No 61



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Mechanics' Tools	1
Agricultural Tools	201
Builders' Hardware	301
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TO THE TRADE

Herewith we present our No. 61 Catalog, which we believe you will find useful and attractive.

We have included in this book many new articles in the Hardware and kindred lines.

The slight change in color we think will make this work even more popular than our last issue, as the cuts are more clear and the typed matter more plain.

Our Catalog has been so universally used that it is known as the TEXT BOOK of the TRADE, and a READY REFERENCE for everything in the Hardware line.

The cover index was one of the best features of our last issue; this has been continued and supplemented by quick indexes preceding the goods of each department. We have also added to the regular index marginal letters, which will simplify and shorten all references.

We will continue the approximate prices (a key to which will be found in this book) on all articles, so that a dealer can readily make a selling price on any item he does not carry in stock. Practically every article can now be sold at our approximate prices and afford a profit to the retailer.

On account of wide fluctuations in some lines it is impossible to guarantee these prices, but we will always do our best to help our customers in any such cases.

We believe this book will commend itself for its compactness.

It is our intention to issue this volume at frequent intervals and it will be our endeavor to keep the trade fully posted at all times.

HIBBARD, SPENCER, BARTLETT & CO.

Chicago, January 1st, 1916.

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QUICK INDEX

We introduce a Quick Index System in this Book which will Save a vast amount of the Merchant's Time and place every Line in the Book at his finger tips.

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Our O. V. B. and REV-O-NOC Brands are made by Skilled Workmen from Best Materials, with an Accurate Knowledge of the Requirements of each Article.

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		Each.
No.	65 Marking Gauges	$0.50
No.	40 Square Face Wood Mallets	.33
No.	30 Round Face Wood Mallets	.33
No.	4 Iron Bench Screws, 1⅛ in.	.62
No.	82 GEM Hand Saws, 26 in.	2.00
No.	10 GEM Steel Squares, 1 ft. x 1½ in.	.59
No.	14 GEM Steel Squares, 2 ft. x 2 in.	.73
No.	3 GEM Steel Squares, 2 ft. x 2 in.	.86
No.	2 2pint—Glue Pots	.95

		Per C.
No.	1 Steel Thumb Tacks	$0.40
No.	2 Steel Thumb Tacks	.44
No.	3 Steel Thumb Tacks	.50
		Per Gross.
No.	4 Brass Thumb Tacks	1.04
No.	5 Brass Thumb Tacks	1.32
No.	6 Brass Thumb Tacks	1.48

		Each.
No.	2 GEM Carborundum Tool Grinder	$4.90
	REVONOC Mounted Grindstone	7.10
No.	184 GEM Lily White Round Edge Slip Stone	.35
No.	17 Wood Workers' Vise	7.00
	REVONOC Alaska Model Bench	20.40

REVONOC MANUAL TRAINING BENCH.

REVONOC—Alaska model, equipped with a No. 3 Vise, Steel Dog and Bench Stop, height 32 in., top 52x22 in., and 2¼ in. thick, tool recess 7 in. wide, drawer 32x19x6 in., fitted with bronze drawer pulls, weight 150 lbs., each $20.40

Tongue and grooved joints used throughout, reinforced by heavy countersunk flush head draw bolts. The top is very solid and extra large, it is proof against rough and careless handling. 14 heavy machine bolts are used in reinforcing the joints. Absolutely the strongest manual training bench made. The carefully selected and seasoned wood used will give this bench a life of 50 years, and the special Sheldon vise will bear a strain of 150 lbs. with ease. The drawer, all the steel fixtures, etc., are the very best procurable, and if any part of the bench proves defective within three years, the purchase price will be promptly refunded. Final proof of the superiority of this bench is found in the fact that it is used in the U. S. Government's industrial schools. They are the standard make for this line of goods and dealers should see that the schools of their town have manual training rooms equipped with REVONOC benches.

The selection of the articles of these assortments are based on the specifications for manual training equipment which we are constantly receiving.
The tools are well known brands and are used by the best mechanics.
We guarantee every article of these equipments to be of first-class materials and free from defects of manufacture.

DOMESTIC SCIENCE OUTFIT FOR CLASS OF 24 PUPILS.

The Following List Comprises the Equipment Recommended By the Household Science Department of the Chicago Public Schools.

In addition to price on the entire outfit, note that catalogue page and price is shown on each item so that the outfit may be modified to meet the requirements of any particular school, or for larger or smaller classes.

DJ⅞ Entire Page.

Page			
	No. 213	REVERE Hammer, 1-12 doz. at $8.00 doz.	$0.67
721		Chopping Bowl, 13 in., 1-12 doz. at $3.50 doz.	.29
720A	No. 3	Mixing Spoon, wood, 12 in., 1-6 doz. at $0.80 doz.	.13
730A	No. 2	Mixing Spoon, 10-in., wood, 2 doz. at $0.70 doz.	1.40
720A	No. 14	Juvenile Rolling Pins, 2 doz. at $1.20 doz.	2.40
723	No. 50	Ironing Tables, Folding, 1-12 doz. at $19.00 doz.	1.58
726	No. 63	Tubs, 18 in., indurated, 1-6 doz. at $28.00 doz.	4.66
730	No. 1	Wash Boards, Lily, 1-6 doz. at $2.20 doz.	.37
751		Scrub Brush, 8 in., Swan, 1-6 doz. at $2.30 doz.	.40
751	No. 49	Scouring Brush, 6 in., 1 doz. at $0.84 doz.	.84
752	No. 92	Vegetable Brush, 1 doz. at $0.58, doz.	.58
752	No. 333	Stove Brush, 1-12 doz. at $1.90 doz.	.16
752	No. 40	Sink Brush, 1-6 doz. at $0.76 doz.	.12
753	No. 214	Broom Brush, Floor with Handle, 1-12 doz. at $20.50 doz.	1.70
754	No. 12	Counter Brush, 1-12 doz. at $7.70 doz.	.64
756	No. 602	Stove Daubers, 1-12 doz. at $0.84 doz.	.07
815	No. 60	Tea Kettle, REVERE Enameled Ware, 1-12 doz. at $10.80 doz.	.90
816	No. 100	Soup Kettle with Cover, REVERE En. Ware, 1-12 doz. at $14.40 doz.	1.20
816	No. 26	Preserving Kettle, Soup, REVERE En- Ware, 1-12 doz. at $6.00 doz.	.50
816	No. 510	Dish Pans, REVERE Enameled Ware, 1½ doz. at $8.80 doz.	13.20
816A	No. 205	Colander, REVERE Enameled Ware 1-12 doz. at $5.40 doz.	.45
816A	No. 350	Covered Pails, REVERE Enameled Ware, 1-6 doz. at $6.80 doz.	1.12
816A	No. 110	Garbage Pail, with Cover, REVERE Enameled Ware, 1-12 doz. at $10.40 doz.	.86
816A	No. 32	Milk Pans, REVERE Enameled Ware 2 doz. at $2.40 doz.	4.80
816B	No. 12	Basting Spoon, REVERE Enameled Ware, 1-6 doz. at $1.36 doz.	.23
816B	No. 28	Wash Basin, REVERE Enameled Ware, 1-12 doz. at $3.60 doz.	.30
816C	No. 14	Double Boilers, 1 pt., Turquoise Enameled Ware, 2 doz. at $11.30 doz.	22.60
816C	No. 2007½	Coffee Pots, 1 pt., Turquoise Enameled Ware, 1 doz. at $8.00 doz.	8.00
816C	No. 9	Sauce Pans, 1 pt., Turquoise Enameled Ware, 2 doz. at $2.80 doz.	5.60
843		Milk—Cook— Tins, ½ pt., I. C., 2 doz. at $0.32 doz.	.64
845	No. 8½	Muffin Tins, Retinned, 8 cups, ¼ doz. at $3.10 doz.	.78
846		Pie Tins, 6 in., 2 doz. at $0.28 doz.	.56
846		Utility Pans, I. C. Deep, J. C. 10 in., 2 doz. at $0.64 doz.	1.28
847	No. 16	Skimmer, 1-12 doz. at $0.96 doz.	.08
848	No. 00	Sugar—Spice— Scoops, ¼ doz. at $0.80 doz.	.20
851	No. 9	Large Wire Flesh Forks, 1-6 doz. $0.40 doz.	.06
855	No. 14	Bread Box, 17x12x10½ in., 1-12 doz. at $13.50 doz.	1.13
855	No. 50	Flour Box, 50-lb., 1-6 doz. at $12.00 doz.	2.00
854	No. 2	Pepper Box, Jap., ½ pt., 1-6 doz. at $0.54 doz.	.09
859	No. 121	Dust Pan, 1-12 doz. at $4.30 doz.	.36
868	No. 188	Steamer, 1-12 doz. at $11.50 doz.	.96
873	No. 65	Measuring Cups, Tin, 1 doz. at $0.80 doz.	.80
873	No. 1	Funnel, 5 in., 1 qt., 1-12 doz. at $4.00 doz.	.34
873	No. ½	Funnel, 3 in., ½ qt., 1-12 doz. at $3.40 doz.	$0.28
874	No. 21	Bread Pans, 8x12x2¾ in., 1-6 doz. at $1.46 doz.	.24
874	No. 31	Bread Tins, 8½x4¼x2¾ in., 2 doz. at $1.26 doz.	2.52
875	No. 22	Biscuit Cutters, 1 doz. at $0.30 doz.	.30
875	No. 62½	Cruller Cutters, 1 doz. at $0.44 doz.	.44
875	No. 33	Cylinder Graters, 1-6 doz. at $0.62 doz.	.10
894A	No. 4	Pan, Frying, 10 in. REVERE Acme, 1-12 doz. at $1.90 doz.	.16
894A	No. 00	Omelet or Frying Pans, 6 in. REVERE Acme, 2 doz. at $0.78 doz.	1.56
894A		Sheet Iron Drip Pans, 14x17, 1-6 doz. at $2.10 doz.	.36
895	No. 10	Griddle, Handled Steel, 1-12 doz. at $6.50 doz.	.54
896	No. 8	Kettle, Fry, E. F. F. B., 1-12 doz. at $13.68 doz.	1.14
899	No. 2	Iron Gem Pans, Cast, 11 cup, 1-6 doz. at $4.30 doz.	.72
901	No. 302	Strainer, 5 in., Bowl, 2 doz. at $0.80 doz.	1.60
903	No. 812	Fry Basket, 1-12 doz. at $2.90 doz.	.24
903	No. 92	Sink Strainer, 1-12 doz. at $2.40 doz.	.20
903	No. 5	Sink Shovel, 1-12 doz. at $0.56 doz.	.05
904B	No. 16	Egg Beater, Dover, 1 doz. at $1.30 doz.	1.30
904A	No. 80	Egg Beater, Wire, 1 doz. at $0.54 doz.	.54
905	No. 104	Conical Toasters, 1-6 doz. at $3.30 doz.	.55
905	No. 17	Asbestos Mats, 1 doz. at $0.70 doz.	.70
906	No. 6	Revolving Sifter, 1-6 doz. at $2.80 doz.	.46
906	No. 8	Flour Dredge, 1-12 doz. at $1.34 doz.	.11
906A	No. 9	Wire Potato Masher, ¼ doz. at $0.90 doz.	.23
922	No. 33	REVERE Can Opener, 1-12 doz. at $1.50 doz.	.13
923	No. 5	Mincing Knife, 1-12 doz. at $1.40 doz.	.12
924	No. 7	Meat Grinder, 1-12 doz. at $17.20 doz.	1.43
927	No. 55	Fruit Press, Henis, 1-12 doz. at $2.50 doz.	.21
929	No. 2	Lemon Juicers, 1-12 doz. at $1.44 doz.	.12
930	No. 2	Ice Pick, 1-12 doz. at $1.50 doz.	.12
937		Ice Cream Freezer, 8 qt., Arctic, 1-12 doz. at $70.80 doz.	5.90
944		Common Flat Irons, 7 lbs., 1-6 doz. at $6.72 doz.	1.12
1083	No. 1	REVERE Ovens, ¼ doz. at $26.40 doz.	19.80
1219	No. 693½	Waste Basket, 1-12 doz. at $6.70 doz.	.56
1651	No. 21746	Kitchen Forks, 2 doz. at $2.10 doz.	4.20
1651	No. 21746	Kitchen Knives, 2 doz. at $2.40 doz.	4.80
1655	No. 34	Carving Knife and Fork, 1-12 doz. at $24.00 doz.	2.00
1661	No. 448	Butcher Knives, 8 in., 1-6 doz. at $5.00 doz.	.83
1668	No. 43	Vegetable Knives, 2 doz. at $1.00 doz.	2.00
1673	No. 3803	Spatulas, 5 in., 1 doz. at $5.00 doz.	5.00
1679	No. 120	Shears, 9 in., 1-12 doz. at $10.00 doz.	.84
1746	No. 16	Cork Screw, 1-12 doz. at $4.00 doz.	.33
1758	No. 25	Table Spoons, Nickel Silver, 2 doz. at $2.00 doz.	4.00
1758	No. 25	Teaspoons, Nickel Silver, 2 doz. at $1.00 doz.	2.00
		Per Assortment	Total $154.90

ANY ARTICLE ON THIS PAGE MAY BE BOUGHT SEPARATELY.



GENERAL ADVERTISING

SIGNS, SOUVENIRS, ETC.

No. 149 OVD

No. 160 REVONOC.



OVD Blue Cardboard Hangers. Size 10 x 15 Inches.

No. 140 OVD—Knives and Carving Sets.
No. 141 OVD—Table Cutlery and Plated Ware.
No. 142 OVD—Razors and Shears.
No. 143 OVD—Files and Wrenches.
No. 144 OVD—Braces, Bits and Drills.
No. 145 OVD—Hammers and Saws.
No. 146 OVD—Forks and Shovels.
No. 147 OVD—Axes and Hatchets.
No. 148 OVD—Food and Meat Choppers.
No. 149 OVD—Tinware and Lanterns.

Miscellaneous OVD Advertising.

OVD String Tags.
OVD Bill Heads—Printed with dealer's name and address.
OVD Letter Heads—Printed with dealer's name and address.
OVD Envelopes—Printed with dealer's name and address.
OVD Paper Window Trim of Tools, Cutlery, etc.
OVD Paper Window Trim of Refrigerators.
OVD Window Trim of Lawn Mowers.
OVD Sign—Padlock shaped, 18x24 in.—For outdoor use.
No. 90 OVD—Board Sign, 1x6 ft.
OVD Souvenir Match Boxes.
OVD Souvenir Watch Fobs.

OVD Moving Picture Slides.

No. 1—Truth—George Washington holding hatchet, Mount Vernon in background.
No. 2—Truth—Washington holding paint brush.
No. 3—Truth—Washington holding pocket knife.
No. 5—Safety Razors.
No. 7—Hardware, tools, cutlery.
No. 8—Food Choppers.
No. 9—Edged Tools.
No. 12—Refrigerators.
No. 17—Hammers.
No. 22—Pocket Knife.
No. 23—Lawn Mower.
No. 25—Bicycle.
No. 29—Bartlett Sewing Machine.
No. 30—Paints.
No. 31—Pilgrim Silverware.
No. 32—Ivanhoe Silverware.
No. 39—Heather Silverware.
No. 44—Inner Tube.
No. 45—Incubator.
No. 46—Scissor and Shear.
No. 47—Food Choppers, IN SPANISH.

REVONOC Red Cardboard Hangers. Size 10 x 15 Inches.

Miscellaneous REVONOC Advertising.

REVONOC String Tags.
REVONOC Battery Cloth Pennant, 16x34 in.
No. 30 REVONOC—Wood Sign, 30x30 in.

REVONOC Moving Picture Slides.

No. 4—Foot Ball Goods.
No. 6—Guns.
No. 10—Fishing Tackle.
No. 11—Washing Machine.
No. 14—Sewing Machine.
No. 15—Baseball Goods.
No. 16—Bicycle.
No. 18—Oil Cook Stoves.
No. 24—Electric Washer.
No. 28—Ice Cream Freezer.
No. 35—Enameled Ware.
No. 36—Aluminum Ware.
No. 40—Range.
No. 41—Oak Stove.
No. 42—Moto-Like Bicycle.
No. 49—Oil Stove, IN HEBREW.
No. 50—Vacuum Cleaner.

Miscellaneous Moving Picture Slides.

No. 13—Domo Cream Separator.
No. 21—Peters Shells.
No. 26—White City Paint.
No. 27—Chicago Bicycle.
No. 37—Chrysolite Ware.
No. 38—5c and 10c Specials.
No. 43—Pennsylvania Tire.
No. 51—Il-a-noy Lawn Mower.

Miscellaneous Domo Advertising.

Domo Booklets—Printed with customer's name.
Domo Fence Signs, 7x10 in.
Domo Wall Posters, 18¼x30 in.

Miscellaneous Peters' Advertising.

Peter's Matts—For counter use.
Peter's Buttons.
Peter's Stick Pins.

Electrotypes.

For Newspaper Advertising.

OVD Electrotypes in various sizes. REVONOC Electrotypes in various sizes. Four Special "Truth" Electrotypes.
Six Special Large Electrotypes showing OVD Tools, Etc.

We will furnish, free of charge, electrotypes of any of our private brand goods, shown in our latest trade catalogue.

PAINT ADVERTISING

SIGNS, HANGERS, COLOR CARDS, RACKS, ETC.

Color Cards.

No. 48 —House Paint.
No. 160 —House Paint.
No. 2401 —House Paint.
Floor Paint.
Porch Paint.
Paints Ground Color.
Screen Paint.
Household Paint.
Floor and Furniture Stain.
Concrete Coating.
Carriage Paint.
Wagon Paint.
Sanitary Flat Wall Finish.
Liquid Enamel.
Colors in Oil.
Barn Paint.
Iron Paint.
No. 516—White City House Paint.
No. 524—White City House Baint.
No. 548—White City House Paint.
White City Screen Paint.
White City Flat Wall Paint.
White City Floor Paint.
White City Barn Paint.
Cruso House Paint.
Cruso Barn Paint.
No. 999—Barn Paint.
Creographite Paint.

Celluloid Coro Panels.

No. 400 —Floor Paint.
No. 401 —Carriage Paint.
No. 402 —Wagon Paint.
No. 403 —Liquid Enamel.
No. 404 —Floor and Furniture Stain.

Cardboard Hangers.

No. 405 —Floor Varnish.
No. 406 —Screen Paint.
No. 407 —Furniture Polish.

Celluloid Hangers.

No. 420—Cruso House Paint.

Cardboard Fence Signs.

No. 425 —House Paint.
No. 435 —Barn Paint.
No. 440—White City House Paint.
No. 450—White City Barn Paint.

Miscellaneous

No. 460 —Color Card Racks.
No. 470—Curved Steel Sign— House Paint, 12x18 in.
No. 490—Panel Board— House Paint, 18x24 in.
No. 500—Paddle Racks— House Paint.
No. 526—Fan, Shingle Stain.
No. 527—Paddle Rack, Shingle Stain.
No. 550—Paddle Rack, White City House Paint.
No. 560—Paddle Rack, White City Barn Paint.
No. 575—Color Suggestions, House Paint.
No. 590—Color Suggestions, White City House Paint.

Cardboard Display Stands.

12 Inches High.

Household Paint.
Floor and Furniture Stain.

FREE PAINT ADVERTISING



The above cut shows the newspaper electros run by us over the dealer's name in his town paper, free of charge, in consideration of a 100 gallon order of House Paint. This free advertising service generally extends over a period of several months.

INSTANTANEOUS SERVICE
A Great Modern Convenience

A Day Letter telegram of 50 words can be sent for one and one-half times the price of an ordinary 10 word telegram.

For example: Where a regular 10 word telegram costs 40 cents, a 50 word Day Letter can be sent for 60 cents.

WESTERN UNION

Form 2589

DAY LETTER

GEORGE W. E. ATKINS, VICE-PRESIDENT NEWCOMB CARLTON, PRESIDENT BELVIDERE BROOKS, VICE-PRESIDENT

RECEIVER'S No.	TIME FILED	CHECK

SEND the following Day Letter, subject to the terms on back hereof, which are hereby agreed to

Dec. 4, 1915.

Hibbard, Spencer, Bartlett & Co.,
State Street Bridge,
Chicago.

Half dozen four thirty hatchets. Quarter dozen R two Hammers. Half dozen fifteen seven eights chisels. Half dozen thirteen Conover shovels . third dozen eighty two twenty six hand sawa. three each R two, R six, R twenty seven planes. Half dozen two hundred padlocks. Two Nineteen Bartlett lawn mowers.

Brown Hardware Co.,





MECHANICS' TOOLS

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





OVB WELDLESS AXES

ONE PIECE CONSTRUCTION.

Eliminating high welding heats, mis-welds, soft body steel and all other faults of old style welded axes, OVB axes are one-piece from bit to head, with no joint, seam, weld or weakness of any sort.

HIGHEST GRADE STEEL.

The result of years of experience and service tests, evolving an axe steel which is a revelation in hardness and toughness.

SPECIAL DOUBLE TEMPER.

Careful heat treatment gives extreme toughness and stiffness combined with special tempering at the bit to produce a keen edge, hard yet tough.

LONG SERVICE.

Bits are hardened all the way through, 1½ inches back, or more. Can be ground repeatedly without reaching soft temper, thus doubling the life of the axe.

RIGIDITY OF EYE.

The toughening of the steel, together with the reinforcing of the eye by our taper-punching process, affords an eye which will never buckle, even under severest service.

HARD HEADS.

Not soft steel as in most axes, but crucible steel. Will stand hard service without battering.

UNIFORMITY OF SHAPE.

Patterns are accurate and uniform, not the hit-or-miss patterns resulting from usual guess-work methods.

HANDLES.

We handle axes to order with a wide selection of handles, from OVB genuine hand-made finest young hickory, to competitive grades of good value. Patterns large or small, straight or regular, octagon or oval, long or short as desired.

OVD IVORY BLACK UNHANDLED AXES.



No. 011.

Extra Quality Forged Crucible Steel, Ivory Black, Rustproof Polished Finish with OVD Trade Mark Deep Etched in Gold. Carefully Hand Tempered, Keen, Thin-Ground Bits, with Edges Polished and Hand Honed. Warranted Against Defects in Material and Workmanship. Our Most Practical and Beautiful Finish.



No. 0110.

SINGLE BIT.

No. 011 OVD—Michigan Pattern.

W'ts, Assorted lbs. ...	3to4	3¼to3¾	3½to4
W't per doz., lbs.	49	49	52
Per dozen	$10.50	10.50	11.00
	JFCJ	JFCJ	JFFJ

W'ts, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
Per dozen	$11.00	11.50
	JFFJ	JFIJ





No. 012 OVD—Yankee Pattern.

Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$11.00	11.50
	JFFJ	JFIJ

DOUBLE BIT.



No. 0110 OVD—Michigan Pattern.

W'ts, Assorted, lbs. ..	3½to4	3½to4½	4to5
W't per doz., lbs.	52	54	59
Per dozen	$16.00	16.00	16.50
	JIFJ	JIFJ	JIIJ

ONE DOZEN IN A CASE.

OVD IVORY BLACK HANDLED AXES.



Any of the Above OVD Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled OVD Single Bit Axes for Fitting with Handles as Shown below.

		Extra Per Dozen.	
No.	A—OVD hickory, regular, oval 36 in.....	EDJ	$9.00
No.	C—REVNOC hickory, regular, oval 36 in.....	DEJ	7.50
No.	D—REVNOC hickory, regular, octagon 36 in...	DEJ	7.50
No.	E—Hib-Spe-Bar hickory, reg., oval 36 in.....	CJJ	5.00
No.	F—Hib-Spe-Bar hickory, reg., octagon 36 in.	CJJ	5.00
No.	G—Hib-Spe-Bar hickory, slim, straight oval 36 in.	CJJ	5.00
No.	H—Hib-Spe-Bar hickory, reg., oval 33 in.....	CJJ	5.00
No.	FF—Hib-Spe-Bar oak, regular, oval 36 in....	BGJ	4.50
No.	GG—Hib-Spe-Bar oak, slim, straight oval, 36 in.	BGJ	4.50

DOUBLE BIT.

Add the Following Extras to Prices of Unhandled OVD Double Bit Axes for Fitting with Handles as Shown Below.

		Extra Per Dozen.	
No.	L—REVNOC hickory, regular, oval 36 in.....	DEJ	7.50
No.	M—REVNOC hickory, slim, oval, 36 in.	DEJ	7.50
No.	P—Hib-Spe-Bar hickory, regular, oval 36 in..	CJJ	5.00
No.	T—Hib-Spe-Bar hickory, slim, oval, 36 in. ..	CJJ	5.00
No.	N—Hib-Spe-Bar hickory, reg., octagon 36 in.	CJJ	5.00
No.	PP—Hib-Spe-Bar oak, slim, oval 36 in.	BGJ	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely bored, with the handles projecting, and fully wrapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. P0110 OVD axes, 4 to 5 lbs., which shows that No. 0110 OVD Ivory Black Michigan Pattern Double Bit axes are desired, fitted with No. P "Hib-Spe-Bar" oval handles.

UNHANDLED HAND MADE AXES.



No. 11.

Extra Quality Forged Crucible Steel, with Natural Forge Finish Body and Cross-Ground Temper-Colored Bit. Carefully Hand Tempered. Warranted Against Defects in Material and Workmanship.



No. 110.

SINGLE BIT.

No. 11 —Michigan Pattern.

W'ts, Asst., lbs.	3 to 4	3¼to3¾	3½to4
W't per doz., lbs.	49	49	52
Per dozen	$8.50	8.50	9.00
	EAJ	EAJ	EDJ
Weights, Assorted, lbs.	**3½to4½**		**4 to 5**
W't per doz., lbs.	54		59
Per dozen	$9.00		9.50
	EDJ		EGJ





No. 12 —Yankee Pattern.

W'ts, Asst., lbs.	3to4	3½to4½	4to5	4½to5½
W't. doz., lbs...	49	54	59	64
Per dozen	$8.50	9.00	9.50	10.00
	EAJ	EDJ	EGJ	JFJJ

No. 13 —Wisconsin Pattern.

Weights, Assorted, lbs.	3¼to3¾	3½to4½
W't per doz., lbs.	49	54
Per dozen	$8.50	9.00
	EAJ	EDJ



DOUBLE BIT.



No. 110.

No. 110 —Michigan Pattern.

W'ts, Assorted, lbs.	3½ to 4	3½ to 4½	4 to 5
W't per doz., lbs.	52	54	59
Per dozen	$13.00	13.00	13.50
	JGHJ	JGHJ	JHAJ

No. 120 —Western Pattern.

W'ts, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59.
Per dozen	$13.00	13.50
	JGHJ	JHAJ

No. 130 —Wisconsin Pattern.

Weights, Assorted, lbs.	3½to3¾	3½to4½
W't per doz., lbs.	49	54
Per dozen	$12.50	13.00
	JGEJ	JGHJ



No. 130.



No. 140 —Reversible Pattern.

W'ts, Assorted, lbs.	3to4	3½to4½
W't per doz., lbs.	49	54
Per dozen	$12.50	13.00
	JGEJ	JGHJ

ONE DOZEN IN A CASE.

HANDLED HAND MADE AXES.



Any of the Above Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

		Extra Per Dozen.
No.	A— hickory, regular, oval 36 in.....EDJ	$9.00
No.	C— hickory, regular, oval 36 in.....DEJ	7.50
No.	D— hickory, regular, octagon 36 in....DEJ	7.50
No.	E—Hib-Spe-Bar Hickory, reg., oval 36 in....CJJ	5.00
No.	F—Hib-Spe-Bar hickory, reg., octagon 36 in.CJJ	5.00
No.	G—Hib-Spe-Bar hickory, slim, straight oval 36 in. .....CJJ	5.00
No.	H—Hib-Spe-Bar hickory, reg., oval 33 in.....CJJ	5.00
No.	FF—Hib-Spe-Bar oak, regular, oval 36 in....BGJ	4.50
No.	GG—Hib-Spe-Bar oak, slim, straight oval 36 in. .....BGJ	4.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

		Extra Per Dozen.
No.	L— hickory, regular, oval 36 in.....DEJ	7.50
No.	M— hickory, slim, oval 36 in.....DEJ	7.50
No.	P—Hib-Spe-Bar hickory, regular, oval 36 in..CJJ	5.00
No.	T—Hib-Spe-Bar hickory, slim, oval 36 in....CJJ	5.00
No.	N—Hib-Spe-Bar hickory, reg., octagon 36 in.CJJ	5.00
No.	PP—Hib-Spe-Bar oak, slim, oval 36 in.....BGJ	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely bored, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled.



For descriptions and prices of axes see: No. P810 axe, page 4, No. L810, page 7, No. L010, page 8, No. A011, page 1, No, A11 page 2 No. R, page 15, No. C1, page 6, No. 22¼, Page 11, No. 24, page 9, No. 10 adze, page 15.

BLUE AND GOLD BEVELED UNHANDLED AXES.



No. 01.

Extra Quality Forged Crucible Steel, Dark Blue Painted Body and Bevels, Polished Bit, Gold Bronzed Edging and Handsomely Labeled. Every Axe Carefully Hand-Tempered. Warranted Against Defects in Material and Workmanship.



No. 010.

SINGLE BIT.

No. 01 —Michigan Pattern.

Weights, Assorted, lbs.		**3 to 4**
W't per doz., lbs.		49
Per dozen		$10.00
		J F J J

Weights, Assorted, lbs.	**3½ to 4½**	**4 to 5**
W't per doz., lbs.	54	59
Per dozen	$10.50	11.00
	J F C J	**J F F J**

No. 02 —Yankee Pattern.

Weights, Assorted, lbs.	**3½ to 4½**	**4 to 5**
W't per doz., lbs.	54	59
Per dozen	$10.50	11.00
	J F C J	**J F F J**



DOUBLE BIT.

No. 010 —Michigan Pattern.

Weights, Assorted, lbs.	**3½ to 4½**	**4 to 5**
W't per doz., lbs.	54	59
Per dozen	$15.50	16.00
	J I C J	**J I F J**

ONE DOZEN IN A CASE.

BLUE AND GOLD BEVELED HANDLED AXES.



Any of the Above Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

		Extra Per Dozen.	
No.	**A**—hickory, regular, oval 36 in.	**E D J**	$9.00
No.	**C**—hickory, regular, oval 36 in.	**D E J**	7.50
No.	**D**—hickory, regular, octagon 36 in.	**D E J**	7.50
No.	**E**—Hib-Spe-Bar Hickory, reg., oval 36 in.	**C J J**	5.00
No.	**F**—Hib-Spe-Bar hickory, reg., octagon 36 in.	**C J J**	5.00
No.	**G**—Hib-Spe-Bar hickory, slim, straight oval 36 in.	**C J J**	5.00
No.	**H**—Hib-Spe-Bar hickory, reg., oval 33 in.	**C J J**	5.00
No.	**F F**—Hib-Spe-Bar oak, regular, oval 36 in.	**B G J**	4.50
No.	**G G**—Hib-Spe-Bar oak, slim, straight oval 36 in.	**B G J**	4.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

		Extra Per Dozen.	
No.	**L**—hickory, regular, oval 36 in.	**D E J**	7.50
No.	**M**—hickory, slim, oval 36 in.	**D E J**	7.50
No.	**P**—Hib-Spe-Bar hickory, regular, oval 36 in.	**C J J**	5.00
No.	**T**—Hib-Spe-Bar hickory, slim, oval 36 in.	**C J J**	5.00
No.	**N**—Hib-Spe-Bar hickory, reg., octagon 36 in.	**C J J**	5.00
No.	**PP**—Hib-Spe-Bar oak, slim, oval 36 in.	**B G J**	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely bored, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. E01 axes, 3 to 4 lbs.," which shows that No. 01 Blue Beveled Michigan Pattern axes are desired fitted with No. E

UNHANDLED BRONZED AXES.

Extra Quality Forged Crucible Steel, Gold Bronzed Body, Polished Bits, Carefully Hand Tempered, with Keen, Thin-Ground Bits. Our Standard Finish, but Much Finer in Workmanship than Other Axes Usually Sold at the Price. Warranted against Defects in Material and Workmanship.



No. 31.



No. 310.

SINGLE BIT.

No. 31 —Michigan Pattern.

W't, Assorted, lbs..	3 to 4	3½ to 3¾	3½ to 4
W't per doz., lbs. ...	49	49	52
Per dozen	$8.50	8.50	9.00
	EAJ	EAJ	EDJ
Weights, Assorted, lbs.	3½ to 4½		4 to 5
W't per doz., lbs.	54		59
Per dozen	$9.00		9.50
	EDJ		EGJ





No. 32 —Yankee Pattern.

Weights, Assorted, lbs.....	3 to 4	3½ to 4½
W't per doz., lbs.	49	54
Per dozen	$8.50	9.00
	EAJ	EDJ
Weights, Assorted, lbs.	4 to 5	4½ to 5½
W't per doz., lbs.	59	64
Per dozen	$9.50	10.00
	EGJ	JFJJ

No. 34 —Southern Kentucky Pattern.

Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$9.00	9.50
	EDJ	EGJ
Weights, Assorted, lbs.	4½ to 5½	5 to 6
W't per doz., lbs.	64	69
Per dozen	$10.00	10.50
	JFJJ	JFCJ





DOUBLE BIT.

No. 310 —Michigan Pattern.

W't, Assorted, lbs.	3½ to 4	3½ to 4½	4 to 5
W't per doz., lbs.	52	54	59
Per dozen	$13.00	13.00	13.50
	JGHJ	JGHJ	JHAJ

No. 320 —Western Pattern.

W't, Assorted, lbs..	3½ to 4½	4 to 5	4½ to 5½
W't per doz., lbs.	54	59	64
Per dozen	$13.00	13.50	14.00
	JGHJ	JHAJ	JHDJ



ONE DOZEN IN A CASE.

HANDLED BRONZED AXES.



Any of the Above Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

			Extra Per Dozen.
No.	A— hickory, regular, oval 36 in.....	EDJ	$9.00
No.	C— hickory, regular, oval 36 in.....	DEJ	7.50
No.	D— hickory, regular, octagon 36 in...	DEJ	7.50
No.	E—Hib-Spe-Bar hickory, reg., oval 36 in.....	CJJ	5.00
No.	F—Hib-Spe-Bar hickory, reg., octagon 36 in.	CJJ	5.00
No.	G—Hib-Spe-Bar hickory, slim, straight oval 36 in.	CJJ	5.00
No.	H—Hib-Spe-Bar hickory, reg., oval 33 in.....	CJJ	5.00
No.	FF—Hib-Spe-Bar oak, regular, oval 36 in....	BGJ	4.50
No.	GG—Hib-Spe-Bar oak, slim, straight oval, 36 in.	BGJ	4.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

			Extra Per Dozen.
No.	L— hickory, regular, oval 36 in.....	DEJ	7.50
No.	M— hickory, slim, oval, 36 in.....	CJJ	5.00
No.	P—Hib-Spe-Bar hickory, regular, oval 36 in..	CJJ	5.00
No.	T—Hib-Spe-Bar hickory, slim, oval, 36 in. ..	CJJ	5.00
No.	N—Hib-Spe-Bar hickory, reg., octagon 36 in.	CJJ	5.00
No.	PP—Hib-Spe-Bar oak, regular, oval 36 in.....	BGJ	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely boxed, with the handles projecting, and fully wrapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. F32 axes, 4 to 5 lbs., which means that No. 32 Bronzed Yankee Pattern axes are desired, fitted with No. F Hib-Spe-Bar octagon handles.

OUR VERY BEST UNHANDLED POLISHED AXES.





SINGLE BIT.

Extra Quality Forged Crucible Steel, Full Polished and Etched, Carefully Hand-Tempered, Keen, Thin-Ground Bit. A Highly Finished Axe at a Very Moderate Price. Warranted Against Defects in Material or Workmanship.

No. 21 OUR VERY BEST—Michigan Pattern.

W't per doz., lbs.	49	49	52
W'ts, Assorted, lbs.	3to4	3¼to3¾	3½to4
Per dozen	$10.00	10.00	10.50
	JFJJ	JFJJ	JFCJ

W ts, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
Per dozen	$10.50	11.00
	JFCJ	JFFJ

DOUBLE BIT.

Extra Quality Forged Crucible Steel, Full Polished and Etched, Carefully Hand-Tempered, Keen, Thin-Ground Bit. A Highly Finished Axe at a Very Moderate Price. Warranted Against Defects in Material or Workmanship.

No. 210 OUR VERY BEST—Michigan Pattern.

W'ts, Assorted, lbs.	3½to4	3½to4½	4to5
W't per doz., lbs.	52	54	59
Per dozen	$15.50	15.50	16.00
	JICJ	JICJ	JIPJ

ONE DOZEN IN A CASE.

OUR VERY BEST HANDLED POLISHED AXES.



Any of the Above OUR VERY BEST Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled OUR VERY BEST Single Bit Axes for Fitting with Handles as Shown below.

			Extra Per Dozen.
No.	A—OUR VERY BEST	hickory, regular, oval 36 in..... EDJ	$9.00
No.	C—REVENOC	hickory, regular, oval 36 in..... DEJ	7.50
No.	D—REVENOC	hickory, regular, octagon 36 in... DEJ	7.50
No.	E—Hib-Spe-Bar	Hickory, reg., oval 36 in.... CJJ	5.00
No.	F—Hib-Spe-Bar	hickory, reg., octagon 36 in. CJJ	5.00
No.	G—Hib-Spe-Bar	hickory, slim, straight oval 36 in. ..... CJJ	5.00
No.	H—Hib-Spe-Bar	hickory, reg., oval 33 in..... CJJ	5.00
No.	FF—Hib-Spe-Bar	oak, regular, oval 36 in.... BGJ	4.50
No.	GG—Hib-Spe-Bar	oak, slim, straight oval 36 in. ..... BGJ	4.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled OUR VERY BEST Double Bit Axes for Fitting with Handles as Shown Below.

			Extra Per Dozen.
No.	L—REVENOC	hickory, regular, oval 36 in..... DEJ	7.50
No.	M—REVENOC	hickory, slim, oval 36 in..... DEJ	7.50
No.	P—Hib-Spe-Bar	hickory, regular, oval 36 in.. CJJ	5.00
No.	T—Hib-Spe-Bar	hickory, slim, oval 36 in.... CJJ	5.00
No.	N—Hib-Spe-Bar	hickory, reg., octagon 36 in. CJJ	5.00
No.	PP—Hib-Spe-Bar	oak, slim, oval 36 in..... BGJ	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely boxed, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. C21 OUR VERY BEST axes, 3 to 4 lbs.," which shows that No. 21 OUR VERY BEST Michigan Pattern axes are desired, fitted with No. C REVENOC oval handles,

UNHANDLED AXES.



No. 10.

PHANTOM BEVELED

Extra Quality Forged Crucible Steel, Full Polished and Etched, Carefully Hand Tempered, Keen, Thin Ground Bits with Patent Hand Ground "Phantom" Bevels. The Expert Woodsman's Axe. Throws the Chips Well and "Clears" Quickly, Without Binding. Warranted Against Defects in Material and Workmanship. Packed in Individual Pasteboard Cartons.

SINGLE BIT.

No. 1 —Michigan Pattern.



Weights, Assorted, lbs.	3 to 4	3½ to 4
W't per doz., lbs.	49	52
Per dozen	$14.00	14.50
	JHDJ	JHGJ
Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$14.50	15.00
	JHGJ	JIJJ

DOUBLE BIT.

No. 10 —Michigan Pattern.



Weights, Assorted, lbs.	3½ to 4	3½ to 4½
W't per doz., lbs.	52	54
Per dozen	$20.50	20.50
	ABCJ	ABCJ
Weights, Assorted, lbs.		4 to 5
W't per doz., lbs.		59
Per dozen		$21.00
		ABFJ

U. S. A. BLUED.

Forged Steel Body, Extra Quality Crucible Steel Bits, Full Polished, Blued and Etched, Carefully Hand Tempered, and Sharpened Ready for Use. An Axe of Exceptional Quality and Handsome Appearance. Packed in Individual Wood Cartons, with Sliding Cover. Fully Warranted.



No. 2.

SINGLE BIT.

No. 1 U. S. A.—Michigan Pattern.



W'ts, Assorted, lbs..	3 to 4	3¼ to 3¾	3½ to 4
W't per doz., lbs.	49	49	52
Per dozen	$14.00	14.00	14.50
	JHDJ	JHDJ	JHGJ
Weights, Assorted, lbs.	3½ to 4½		4 to 5
W't per doz., lbs.	54		59
Per dozen	$14.50		15.00
	JHGJ		JIJJ

No. 2 U. S. A.—Yankee Pattern.



W'ts, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
Per dozen	$14.50	15.00
	JHGJ	JIJJ

DOUBLE BIT.

No. 10 U. S. A.—Michigan Pattern.



W'ts, Assorted, lbs.	3½ to 4	3½ to 4½	4 to 5
W't per doz., lbs.	52	54	59
Per dozen	$20.50	20.50	21.00
	ABCJ	ABCJ	ABFJ

U. S. A. HANDLED AXES.



Any of the Above Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown Below.

			Extra Per Dozen.
No.	A—	hickory, regular, oval 36 in. EDJ	$9.00
No.	C—	hickory, regular, oval 36 in. DEJ	7.50
No.	D—	hickory, regular, octagon 36 in. DEJ	7.50
No.	E—	Hib-Spe-Bar Hickory, reg., oval 36 in. CJJ	5.00
No.	F—	Hib-Spe-Bar hickory, reg., octagon 36 in. CJJ	5.00
No.	G—	Hib-Spe-Bar hickory, slim, straight oval 36 in. CJJ	5.00
No.	H—	Hib-Spe-Bar hickory, reg., oval 33 in. CJJ	5.00
No.	FF—	Hib-Spe-Bar oak, regular, oval 36 in. BGJ	4.50
No.	GG—	Hib-Spe-Bar oak, slim, straight, oval, 36 in. BGJ	4.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

			Extra Per Dozen.
No.	L—	hickory, regular, oval 36 in. DEJ	7.50
No.	M—	hickory, slim, oval, 36 in. DEJ	7.50
No.	P—	Hib-Spe-Bar hickory, regular, oval 36 in. CJJ	5.00
No.	T—	Hib-Spe-Bar hickory, slim, oval, 36 in. CJJ	5.00
No.	N—	Hib-Spe-Bar hickory, reg., octagon 36 in. CJJ	5.00
No.	PP—	Hib-Spe-Bar oak, slim, oval 36 in. BGJ	4.50

ONE DOZEN IN A CASE.

Our handled axes have the heads securely boxed, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. N2 U. S. A. Axes, 3¼ to 4½ lbs.," which shows that No. 2 U. S. A. Yankee Pattern Axes are desired, fitted with No. A oval handles.

UNHANDLED AXES.

REVONOC

High Quality Forged Crucible Tool Steel, Fire Blued Finish with Polished Edges, Carefully Hand Tempered, Edge Sharpened Ready for Use. Warranted Against Defects in Material or Workmanship.

SINGLE BIT.



No. 81 REVONOC—Michigan Pattern.

Weights, Assorted, lbs.		3 to 4
W't per doz., lbs.		49
Per dozen		$9.00
		EDJ
Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$9.50	10.00
	EGJ	JFJJ



No. 82 REVONOC—Yankee Pattern.

Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$9.50	10.00
	EGJ	JFJJ

DOUBLE BIT.

No. 810 REVONOC—Michigan Pattern.

Weights, Assorted, lbs.	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$14.00	14.50
	JHDJ	JHGJ



ONE DOZEN IN A CASE.

EBANO, SINGLE BIT.



Forged Crucible Steel, Body Painted Black, Polished Bit, Well Tempered and Sharpened.

No. 83—EBANO, Ohio or Mexican Pattern.

W'ts, Assorted, lbs..	3 to 4	3½ to 4½	4 to 5
W't per doz., lbs.	49	54	59
Per dozen	$8.50	9.00	9.50
	EAJ	EDJ	EGJ



HANDLED AXES.



Any of the Above Axes May Be Fitted with Any of the Following High-Grade Handles by Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that All Axes Be Purchased Handled, Ready for Use.

REVONOC OR VALLEY FORGE SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

		Extra Per Dozen.
No.	A—REVONOC hickory, regular, oval 36 in.....EDJ	$9.00
No.	C—REVONOC hickory, regular, oval 36 in.....DEJ	7.50
No.	D—REVONOC hickory, regular, octagon 36 in...DEJ	7.50
No.	E—Hib-Spe-Bar Hickory, reg., oval 36 in....CJJ	5.00
No.	F—Hib-Spe-Bar hickory, reg., octagon 36 in.CJJ	5.00
No.	G—Hib-Spe-Bar hickory, slim, straight oval 36 in. .....CJJ	5.00
No.	H—Hib-Spe-Bar hickory, reg., oval 33 in.....CJJ	5.00
No.	FF—Hib-Spe-Bar oak, regular, oval 36 in....BGJ	4.50
No.	GG—Hib-Spe-Bar oak, slim, straight oval 36 in. .....BGJ	4.50

REVONOC OR VALLEY FORGE DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

		Extra Per Dozen.
No.	L—REVONOC hickory, regular, oval 36 in.....DEJ	7.50
No.	M—REVONOC hickory, slim, oval 36 in.....DEJ	7.50
No.	P—Hib-Spe-Bar hickory, regular, oval 36 in..CJJ	5.00
No.	T—Hib-Spe-Bar hickory, slim, oval 36 in....CJJ	5.00
No.	N—Hib-Spe-Bar hickory, reg., octagon 36 in.CJJ	5.00
No.	PP—Hib-Spe-Bar oak, slim, oval 36 in.....BGJ	4.50

Our handled axes have the heads securely boxed, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. D81 REVONOC axes, 3 to 4 lbs." which shows that No. 81 REVONOC Blued Michigan pattern axes are desired, fitted with No. D REVONOC octagon handles.

VALLEY FORGE UNHANDLED AXES.



No. 71

Forged Crucible Steel, Well Tempered and Sharpened. A Good Quality Serviceable Axe at a Medium Price. Not Warranted.



No. 61



SINGLE BIT.

No. 71—VALLEY FORGE, Bronzed, Michigan Pattern.

W'ts, Assorted, lbs....	3 to 4	3½ to 4½	4 to 5
W't per doz., lbs.	49	54	59
Per dozen	$7.00	7.50	8.00
	DBJ	DEJ	DHJ

No. 72—VALLEY FORGE, Bronzed, Yankee Pattern.



W'ts, Assorted, lbs.....	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$7.50	8.00
	DEJ	DHJ



DOUBLE BIT.

No. 710—VALLEY FORGE, Bronzed, Michigan Pattern.

W'ts, Assorted, lbs.....	3½ to 4½	4 to 5
W't per doz., lbs.	54	59
Per dozen	$11.50	12.00
	JFIJ	JGBJ



SINGLE BIT.

No. 61—VALLEY FORGE, Black, Michigan Pattern.

W'ts, Assorted, lbs..	3 to 4	3½ to 4½	4 to 5
W't per doz., lbs.	49	54	59
Per dozen	$7.00	7.50	8.00
	DBJ	DEJ	DHJ

DOUBLE BIT.

No. 62—VALLEY FORGE, Black, Yankee Pattern.



Weights, Assorted, lbs. .....3½ to 4½	4 to 5
W't per doz., lbs. 54	59
Per dozen $11.50	12.00
JFIJ	JGBJ



No. 610—VALLEY FORGE, Black, Michigan Pattern.

W'ts, Assorted, lbs..	3 to 4	3½ to 4½	4 to 5
W't per doz., lbs.	49	54	59
Per dozen	$7.00	7.50	8.00
	DBJ	DEJ	DHJ

ONE DOZEN IN A CASE.

VALLEY FORGE HANDLED AXES.

Any of the Above Axes May Be Fitted with Any of the Following Handles, By Our Expert Workmen. Our Handles are Specially Graded and Gauged for the Purpose, and We Guarantee Correct "Hang" and Secure Wedging. We Strongly Recommend that all Axes be Purchased Handled, Ready for Use.

SINGLE BIT.

Add the Following Extras to the Prices of Unhandled Single Bit Axes for Fitting with Handles as Shown below.

		Per Dozen.	Extra
No.	E—Hib-Spe-Bar Hickory, reg., oval 36 in....	CJJ	5.00
No.	G—Hib-Spe-Bar hickory, slim, straight oval 36 in.	CJJ	5.00
No.	H—Hib-Spe-Bar hickory, reg., oval 33 in.....	CJJ	5.00
No.	FF—Hib-Spe-Bar oak, regular, oval 36 in....	BGJ	4.50
No.	GG—Hib-Spe-Bar oak, slim, straight oval 36 in.	BGJ	4.50
No.	J—Il-a-noy hickory, regular, oval 36 in.....	BDJ	4.00
No.	K—Cruso hickory, regular, oval 36 in.....	BAJ	3.50

DOUBLE BIT.

Add the Following Extras to the Prices of Unhandled Double Bit Axes for Fitting with Handles as Shown Below.

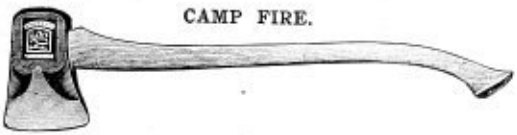
		Extra Per Dozen.	
No.	P—Hib-Spe-Bar hickory, regular, oval 36 in..	CJJ	5.00
No.	T—Hib-Spe-Bar hickory, slim, oval 36 in....	CJJ	5.00
No.	N—Hib-Spe-Bar hickory, reg., octagon 36 in.	CJJ	5.00
No.	PP—Hib-Spe-Bar oak, slim, oval 36 in.....	BGJ	4.50
No.	R—Il-a-noy hickory, regular, oval 36 in.....	BDJ	4.00

ONE DOZEN IN A CASE.

Our handled axes have the heads securely bored, with the handles projecting, and fully burlapped. Handled axes weigh about 16 lbs. per dozen more than the corresponding axes unhandled. In ordering handled axes, always specify the brand and weight of the axe, and prefix to the axe number the letter designating the handle, thus:—"1 dozen No. E61 Valley Forge axes, 3 to 4 lbs.," which shows that No. 61 Michigan Pattern S. B. axes are desired, fitted with No. E Hib-Spe-Bar oval handles.

MEN'S HANDLED AXES.

CAMP FIRE.



Forged Steel, Painted Red and Labeled, Polished Bit, with Pressed Bevels, Blue Lacquered. Fitted with Good Quality Oval Hickory Handle. One of Our Best Sellers.

No. J101—CAMP FIRE, Michigan Pattern.

Weights, Assorted, lbs.	3 to 4	3½ to 4½	4 to 5
W't per doz. handled, lbs.	65	70	75
Per dozen	$12.00	12.50	13.00
	JGBJ	JGEJ	JGHJ

ONE DOZEN IN A BOX, HANDLES BURLAPPED.

FIREMEN'S HANDLED AXES.

Brackets Extra.



No. 7—Forged Steel Body and Pick Point, Painted Red, Extra Quality Crucible Tool Steel Polished Bit, Carefully Hand-Tempered. Fitted with Select Hickory Handle, Painted Red.

Weight, without handle, lbs.	4	5	6
W't per doz., handled, lbs.	54	64	76
Per dozen—without Brackets	$24.00	25.00	26.00
	ADDJ	AEJJ	AEFJ

ONE-HALF DOZEN IN A BOX.

FIREMEN'S AXE BRACKETS.

Malleable Iron, Sherardized Finish, Consists of Two Hooks with Plates to Screw to Wall, Large Bracket Supports Handle Close to Axe Head, Small Bracket Holds the Other End of Handle.

No. 77—Large bracket has 4½x1¼ in. plate, hook 2 in. deep inside and 1¼ in. projection, w't per doz. pairs 10½ lbs., per dozen pairs ..... BDJ $4.00

PACKED LOOSE.

PRIDE OF THE FOREST.



Forged Steel, Black Forge Finish. Fitted with Good Quality Oval Hickory Handle. Second Quality, Not Warranted, But a Surprising Value at the Price.

No. S91—PRIDE OF THE FOREST, Michigan Pattern.

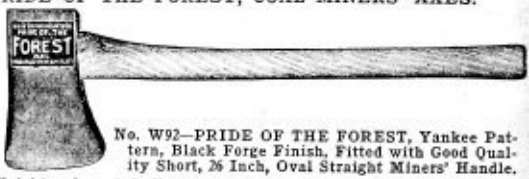
Weights, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., handled, lbs.	65	70	75
Per dozen	$10.00	10.50	11.00
	JFJJ	JFCJ	JFFJ

No. S92—PRIDE OF THE FOREST, Yankee Pattern.

Weights, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., handled, lbs.	65	70	75
Per dozen	$10.00	10.50	11.00
	JFJJ	JFCJ	JFFJ

ONE DOZEN IN A BOX, HANDLES BURLAPPED.

PRIDE OF THE FOREST, COAL MINERS' AXES.



No. W92—PRIDE OF THE FOREST, Yankee Pattern, Black Forge Finish, Fitted with Good Quality Short, 26 Inch, Oval Straight Miners' Handle.

Weights, Assorted, lbs.	3 to 4	3½ to 4½
W't per dozen handled, lbs.	63	68
Per dozen	$11.00	11.50
	JFFJ	JFIJ

ONE DOZEN IN A BOX.

HOUSE AXES



No. 19—Extra quality forged crucible steel, charcoal black finish, w't less handle 2¼ lbs., fitted with extra quality 19 in. hickory handle, w't per doz. 39 lbs., per dozen ..... JHAJ $13.50

ONE-HALF DOZEN IN A CRATE, HANDLES BURLAPPED.

BOYS' HANDLED AXES.





Solid Forged Crucible Steel, with 28 Inch Oval Hickory Handles.

No. 24. No. 25 REVONOC.

No. 20—Full polished and etched, 2¾ lbs. extra quality white handle ..... per dozen JGBJ $12.00

No. 24—Bronzed, with polished bit, 2¼ lbs., extra quality white handle ..... per dozen JFIJ $11.50

No. 25 REVONOC—Black finish, 2¾ lbs., extra quality white handle ..... per dozen JFFJ $11.00





Solid Forged Crucible Steel, with 28 Inch Oval Hickory Handles.

No. 2. No. 12.

No. 2—Camp Fire, body painted red, polished bit, pressed blue bevels, 2¼ lbs., good quality handle, per doz. JFJJ $10.00

No. 12—Cruso, bronzed, with polished bit, 2¼ lbs., medium quality handle ..... per dozen EDJ $9.00

ONE DOZEN IN A BOX. WEIGHT PER DOZEN, ABOUT 40 LBS.

STANDARD AXE LIST.

Showing Extras for Weights Heavier than Base.

3½ LB. GROUP.

Base, Price as Quoted.

All 2, 2¼, 2½, 2¾ or 3 lbs. or assorted.

2 to 2¼	2¾ to 3¼	3¾ to 3¾
2 to 2½	2¾ to 3½	3¾ to 4
2 to 2¾	2½ to 2¾	3 to 3¾
2 to 3	2½ to 3	3 to 3½
2 to 3¼	2½ to 3¼	3 to 3¾
2 to 3½	2½ to 3½	3 to 4
2¼ to 2½	2¼ to 3	3¼ to 3½
2¼ to 2¾	2¼ to 3¼	3¼ to 3¾
2¼ to 3	2¾ to 3½	

Total w't per doz. not over 42 lbs.
No axe over 4 lbs.

4 LB. GROUP.

25c Extra Above Base.

All 3¼ lbs. or 4 lbs. or assorted.

3 to 4¼	3¼ to 4½	3½ to 4½
3 to 4½	3½ to 3¾	3¾ to 4
3¼ to 4	3½ to 4	3¾ to 4¼
3¼ to 4¼	3½ to 4¼	

Total w't per doz. not over 48 lbs.
No axe over 4½ lbs.

4½ LB. GROUP.

50c Extra Above Base.

All 4¼ lbs. or 4½ lbs. or assorted.

3½ to 4¾	3¾ to 5	4 to 5
3½ to 5	4 to 4¾	4¼ to 4½
3¾ to 4½	4 to 4½	4¼ to 4¾
3¾ to 4¾	4 to 4¼	

Total w't per doz. not over 54 lbs.
No axe over 5 lbs.

5 LB. GROUP.

75c Extra Above Base.

All 4¾ lbs. or 5 lbs. or assorted.

4 to 5¼	4¼ to 5½	4½ to 5½
4 to 5½	4¼ to 5¾	4½ to 5¾
4 to 5¾	4¼ to 6	4½ to 6
4 to 6	4½ to 4¾	4¾ to 6
4¼ to 5	4½ to 5	4¾ to 5¼
4¼ to 5¼	4½ to 5¼	

Total w't per doz. not over 60 lbs.
No axe over 5¼ lbs.

5½ LB. GROUP.

$1.00 Extra Above Base.

All 5¼ lbs. or 5½ lbs. or assorted.

4¼ to 5½	5 to 5¼	5 to 6
4¼ to 5¾	5 to 5½	5¼ to 5½
4¼ to 6	5 to 5¾	5¼ to 5¾

Total w't per doz. not over 66 lbs.
No axe over 6 lbs.

6 LB. GROUP.

$1.25 Extra Above Base.

All 5¾ lbs. or 6 lbs. or assorted.

5¼ to 6	5½ to 5¾	5½ to 6½
5¼ to 6¾	5½ to 6	5¾ to 6
5¾ to 6½	5½ to 6¾	5¾ to 6¼

Total w't per doz. not over 72 lbs.
No axe over 6½ lbs.

6½ LB. GROUP.

$1.75 Extra Above Base.

All 6¼ lbs. or 6½ lbs. or assorted.

5¾ to 6½	6 to 6¼	6 to 7
5¾ to 6¾	6 to 6½	6¼ to 6½
5¾ to 7	6 to 6¾	6¼ to 6¾

Total w't per doz. not over 78 lbs.
No axe over 7 lbs.

7 LB. GROUP.

$2.25 Extra Above Base.

All 6¾ lbs. or 7 lbs. or assorted.

6¼ to 7	6½ to 6¾	6½ to 7½
6¼ to 7¾	6½ to 7	6¾ to 7
6¼ to 7½	6½ to 7¼	6¾ to 7¼

Total w't per doz. not over 84 lbs.
No axe over 7½ lbs.

7½ LB. GROUP.

$2.75 Extra Above Base.

All 7¼ lbs. or 7½ lbs. or assorted.

6¼ to 7½	6¾ to 8	7 to 7¾
6¾ to 7¾	7 to 7¼	7 to 8
	7 to 7½	

Total w't per doz. not over 90 lbs.
No axe over 8 lbs.

8 LB. GROUP.

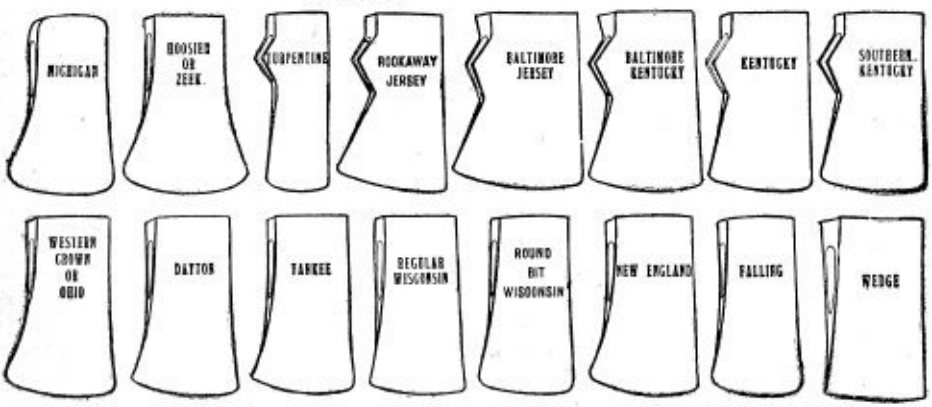
$3.25 Extra Above Base.

All 7¾ lbs. or 8 lbs.

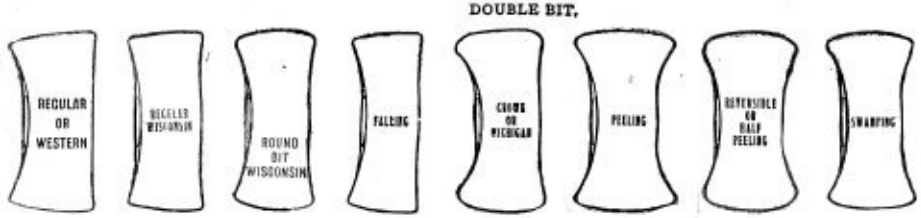
We carry in stock only the items listed on pages 1 to 9 inclusive, but we can supply for factory shipment in any of our brands, any of the below illustrated patterns. All of these patterns take same prices as regular Michigan Pattern, except as follows—

Hoosier or Zeek, S. B. ..... extra per dozen $0.25
Turpentine, S. B. ..... extra per dozen 1.00
Rockaway—Jersey—S. B. ..... extra per dozen .25
Peeling, D. B. ..... extra per dozen .50

SINGLE BIT.



DOUBLE BIT.



CAMP AXES, HUNTERS' AXES, ETC.

BOY SCOUT AXES.



These Axes are Identical in Quality, Pattern and Finish with the Official Standard Axe of the Boy Scouts of America. The Grade of Steel and Workmanship is Unsurpassed. The [illegible] Axe is the Scout's Most Dependable Tool for Any Emergency of Camp or Trail.



No. 28 [illegible]—Hand forged, black finish, one-piece highest grade crucible steel, without sheath or belt, w't 1 lb., 3 in. cut, with 14 in. shaped second growth white hickory handle, w't per doz. 20 lbs., per dozen ..... **JFJJ** $10.00

No. 28S [illegible]—Axe, as above, with No. 1½ sheath, without belt, otherwise same as No. 28 [illegible], per dozen ..... **JICJ** $15.50

No. 28-BS [illegible]—With No. 1½ sheath and No. 10 belt, otherwise same as No. 28 [illegible], per dozen **ABJJ** $20.00

ONE-HALF DOZEN IN A BOX.

CAMP OR HUNTERS' AXES.



No. 22¼ [illegible]—Polished finish, one-piece highest grade crucible steel, w't 1¼ lbs., 3¼ in. cut, with 14 in. shaped second growth white hickory handle, w't per doz., 28 lbs., per dozen ..... **JGBJ** $12.00



No. 21½ [illegible]—Hand forged, black finish, one piece highest grade crucible steel, w't 1 lb., 3 in. cut with 14 in. shaped second growth hickory handle, w't per doz. 20 lbs., per dozen ..... **JFJJ** $10.00

No. 22½ [illegible]—W't 1¼ lbs., 3¼ in. cut with 16 in. handle, w't per dozen, 28 lbs., otherwise same as No. 21½ [illegible] .....per dozen **JFCJ** $10.50

ONE-HALF DOZEN IN A BOX.



No. 23 [illegible]—Hand forged, one-piece extra quality crucible steel, w't 1¼ lbs., 3¼ in. cut, with 14 in. shaped second growth white hickory handle, w't per doz. 28 lbs., per dozen ..... **JFJJ** $10.00

ONE-HALF DOZEN IN A BOX.

CAMP OR HUNTERS' AXES.



No. 23½—CRUSO, silver bronzed finish, converted steel, w't 1 lb., 3 in. cut, with 14 in. shaped hickory handle, w't per doz. 24 lbs., per dozen **DHJ** $8.00

ONE-HALF DOZEN IN A BOX.

SHEATHS AND BELTS.



Select Black Leather Sheaths, with Belt Loops, and Nickeled Snap Catch, But Without Belt.

No. 1½—Will fit any of our Scout or Camp axes .....per dozen **CCJ** $5.50

ONE DOZEN IN A BOX. W'T PER DOZEN ABOUT 1¾ LBS.

Select Black Leather Belts, 1 in. Wide, Nickeled Steel Buckle, for Use with Above Sheaths.

No. 10—Assorted, 30 to 34 in., per dozen ..... **BGJ** $4.50

No. 20—Assorted, 34 to 38 in., per dozen ..... **CJJ** $5.00

No. 30—Assorted, 38 to 44 in., per dozen ..... **CCJ** $5.50

TWO DOZEN IN A BOX. W'T PER DOZEN ABOUT 1¾ LBS.

BREAK BOXES OR ASSORTMENTS.

AXE AND HANDLE DISPLAY RACKS AND TOOL WEDGES.

AXE RACKS.



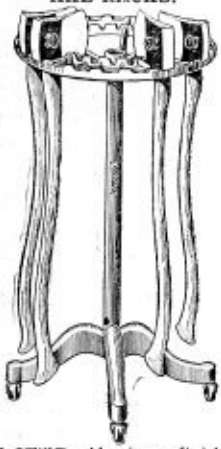
No. 15 REVISED—Semi-circular, hardwood, painted red, base 22½x11½ in., height 13 in., holds up to sixteen handled and sixteen unhandled axes, w't each 18 lbs. .....each **CJJ** $5.00

Can be used on the counter or on the wall by supporting with brackets. For counter use a fine display can be made by placing two racks back to back. The rack is ornamental and attractive, and will save its cost by keeping axes off the floor, away from the dirt and sprinkler.

ONE IN A CRATE.

NOTE—We do not give away Axe Racks as premiums.

AXE RACKS.



No. 10 REVISED—Aluminum finish, cast base with casters, revolving cast head, gas pipe upright, capacity 24 handled axes, height over all 40 in., diameter of head, 19½ in., spread of base, 20 in., w't each 25 lbs.★....each **DEJ** $7.50



No. 12 REVISED—Revolving scythe head for above, cast iron, aluminum finish, diameter 17 in., w't each 8 lbs., each★ .....**AEJ** $2.50

By removing the axe head and substituting the scythe head on the No. 10 rack, the rack will hold and display 32 scythe blades.

ONE IN A CRATE.

"KEEP-STRAIGHT" HANDLE RACKS.



All Select Hardwood, Stained and Varnished, Mortised and Strongly Bolted, Ideal for Display Purposes, Take Little Floor Space, Handles, Being Held Vertically, Stay Straight, Axe Handles, Suspended in Grooved Rack by their Knob-Ends, Will Not Warp or Twist, All Handles in Plain View, All Racks 34 In. High.

Style A—For Axe Handles Only.

No. 100—13x16 in., capacity 36 axe handles, w't 35 lbs.★....each **DBJ** $7.00

No. 110—16x20 in., capacity 60 axe handles, w't 45 lbs.★....each **EAJ** $8.50

No. 120—20x30 in., capacity 110 axe handles, w't 55 lbs.★..each **JIJJ** $15.00

Style B—For Axe and Fork Handles.

No. 200—13x16 in., capacity 24 axe handles, 32 fork handles, w't 35 lbs., each★ .....**DBJ** $7.00

No. 210—16x20 in., capacity 24 axe handles, 60 fork handles, w't 45 lbs., each★ .....**EAJ** $8.50

No. 220—20x30 in., capacity 36 axe handles, 130 fork handles, w't 55 lbs., each★ .....**JIJJ** $15.00

ONE IN A CRATE.

TOOL WEDGES.



Malleable Iron, Natural Finish.

No. 1744—Axe, 4 oz., 3 in. long, 2 in. deep, head ⅝ in. wide, w't per gro. 36 lbs. .....per gross **EDJ** $9.00

ONE DOZEN IN A BOX.



Malleable Iron, Natural Finish.

No. 1742—Light axe, 1½ oz., 2 in. long, 1⅞ in. deep, head ⅞ in. wide, w't per gro. 13½ lbs. ....per gross **BAE** $3.60

TWO DOZEN IN A BOX.



Malleable Iron, Natural Finish.

No. 1747—Hammer or Hatchet, ¼ oz., 1⅜ in. long, ¾ in. deep, head ⅜ in. wide, w't per gro. 4½ lbs., per gross .....**AHJ** $3.00

THREE DOZEN IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

BROAD AXES AND ADZES.

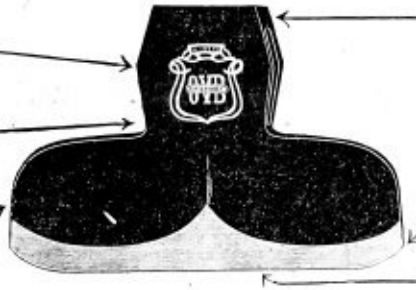
BROAD AXES.

The Front of the Axe.

Large, full eye, built to take a stout, husky handle.

Eye very broad, giving a better hold and leverage on the handle. Eye set close to the blade, gives user perfect control of the cutting edge.

Long, narrow blade, carried full to end of cutting edge, with weight evenly distributed. Makes a perfect balance for a true stroke.



The Back of the Axe.

A straight edge, laid from top of head to cutting edge, touches the bottom of the eye and cutting edge only. The head set forward slightly, axe cannot bind in the wood.

Ground accurately, with a perfectly straight edge, except that the corners are set forward slightly giving timber spring. Corners cannot catch or gouge.

The sharp cutting edge bites, the head clears. Ground concave from cutting edge to bottom of the eye, the axe will not jump forward.

No. R —Canada pattern, round edge, ridge bit, extra quality forged tool steel, ivory black rust-proof polished finish with trade-mark deeply etched in gold, polished face and bevel, assorted 6½ to 7½ lbs., 10½ to 11½ in. cut, w't per doz. about 90 lbs. ..... per dozen **BHHJ** $44.00

CARPENTERS' ADZES.



Half Head, Extra Quality Forged Tool Steel, Gold Bronzed Body, Polished Head and Bit.

No. 10 —

Width of cut, in.	3½	4	4½
W't, doz., lbs..	45	48	51
Per dozen	$26.40	26.40	26.40
	AEHE	**AEHE**	**AEHE**

ONE DOZEN IN A CASE.



No. P —Pennsylvania pattern, assorted, 10 to 11 in. cut, otherwise same as No. R , w't per doz. about 90 lbs., per dozen **BEBE** $32.00

ONE DOZEN ASSORTED IN A CASE.

REVONOC CARPENTERS' ADZES.



Half Head, Extra Quality Forged Tool Steel, Black, Hand Forged Finish.

No. 60 REVONOC—

Width of cut, in.	3½	4	4½
W't, doz., lbs..	45	48	51
Per dozen	$24.00	24.00	24.00
	ADDJ	**ADDJ**	**ADDJ**

ONE DOZEN IN A CASE.

SHIP ADZES.



Extra Quality Forged Tool Steel, Gold Bronzed Body and Spur, Polished Bit.

No. 30 —

Width of cut, in....	4	4½
W't per doz., lbs....	36	39
Per dozen	$30.00	30.00
	AHJJ	**AHJJ**

ONE DOZEN IN A CASE.

REVONOC RAILROAD ADZES.



No. 50 REVONOC—Railroad, full head, extra quality, forged tool steel, black, hand forged finish, 5 in., w't per doz. 51 lbs. ...per dozen **ADDJ** $24.00

ONE DOZEN IN A CASE.

REVONOC SHIP ADZES.



Extra Quality Tool Steel, Plain Bit, Black, Hand Forged Finish.

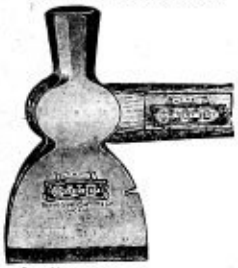
No. 55 REVONOC—

Width of cut, in.	4	4½
W't per doz., lbs....	36	39
Per dozen	$28.00	28.00
	AFHJ	**AFHJ**

ONE DOZEN IN A CASE.

HATCHETS.

POLISHED.



Extra Quality Forged Tool Steel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

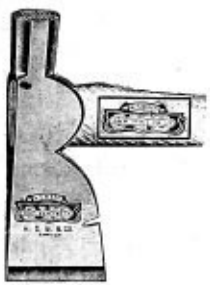
No. 1 —Shingling, 3½ in. bit, w't per doz. 20 lbs., per doz. JGEE $10.50
No. 2 —Shingling, 4 in. bit, w't per doz. 26 lbs., per doz. JGIJ $11.00

POLISHED.



Extra Quality Forged Tool Steel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

No. 1 —Claw, 3½ in. bit, w't per doz. 22 lbs. ...per dozen JHCJ $11.50
No. 2 —Claw, 4 in. bit, w't per doz. 24 lbs. ...per dozen JHFE $12.00



Extra Quality Forged Tool Steel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

No. 0 —Lath, 2 in. bit, w't per doz. 17 lbs. ...per dozen JGBJ $10.00
No. 1 —Lath, 2½ in. bit, w't per doz. 21 lbs. ...per dozen JGEE $10.50
No. 2 —Lath, 3½ in. bit, w't per doz. 23 lbs. ...per dozen JGIJ $11.00

ONE-HALF DOZEN IN A WOOD BOX.

CHROME-VANADIUM.

The World's Finest Hatchet.

Forged under special high-power dies, from chrome-vanadium refined tool steel, of our own special analysis, the finest and highest priced hatchet steel ever used.

This steel contains chromium for superior hardness, and vanadium for maximum toughness, combining the two essential qualities of a perfect hatchet.

Beautiful pattern, octagon head and neck, with full mirror polish.

Finest young second growth hickory handles, tough and springy, with flared end to prevent slipping, highly polished and waxed, handsomely etched and labeled with the brand of quality.

A better hatchet cannot be made. There are none others as good.



No. 1122 — Chrome - Vanadium, Half, 3⅝ in. bit, w't per doz. 26 lbs., per dozen .....JIFJ $20.00

ONE-HALF DOZEN IN A WOOD BOX.

POLISHED.

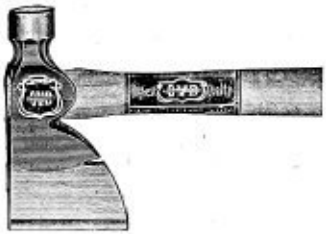


Extra Quality Forged Tool Steel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

No. 1 —Half, 3⅝ in. bit, w't per doz. 21 lbs. ...per dozen JGIJ $11.00
No. 2 —Half, 3¾ in. bit, w't per doz. 26 lbs....per dozen JHCJ $11.50

ONE-HALF DOZEN IN A WOOD BOX.

BRONZED OCTAGON NECK.



Extra Quality Forged Tool Steel, Round Head, Octagon Neck, Bronzed Body, Polished Bit, with Select White Second Growth Hickory Handle.

No. 420 —Half, 3⅝ in. bit, smooth face, w't per doz. 26 lbs., per dozen .....JHCJ $12.00
No. 430 —Half, 4 in. bit, smooth face, w't per doz. 29 lbs., per dozen .....JIJJ $12.50
No. 0420 —Half, 3⅝ in. bit, scored face, w't per doz. 26 lbs., per dozen .....JIJJ $12.50
No. 0430 —Half, 4 in. bit, scored face, w't per doz. 29 lbs., per dozen .....JICJ $13.00

ONE-HALF DOZEN IN A BOX.

POLISHED.



Extra Quality Forged Tool Steel, Single Bevel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

No. 1 —Broad, 4 in. bit, w't per doz. 25 lbs. ...per dozen JGEE $13.50
No. 2 —Broad, 4½ in. bit, w't per doz. 28 lbs. ...per dozen JHCJ $14.50
No. 3 —Broad, 5 in. bit, w't per doz. 35 lbs....per dozen JICE $17.00
No. 4 —Broad, 5½ in. bit, w't per doz. 38 lbs. ...per dozen AJDE $18.50

ONE-HALF DOZEN IN A WOOD BOX.



For descriptions and prices see: No. 28 Axe, page 11, No. 0430 Half and No. 2 Shingling Hatchets, page 16, No. 85 Lath, page 17.

HATCHETS.

SHINGLING.



No. 109 —3¼ in. bit, extra quality forged tool steel, adze eye, bell poll, full polished and etched, with select white second growth hickory handle, w't per doz. 20 lbs., per dozen .....**AJDE** $14.50

ONE-HALF DOZEN IN A WOOD BOX.

HALF.



No. 118 —Scored head, 3 in. bit, extra quality forged tool steel, adze eye, bell poll, full polished and etched, with select white second growth hickory handle, w't per doz. 18½ lbs. .....per dozen **AJHJ** $15.00

No. 119 —Plain head, 3 in. bit, w't per doz. 18½ lbs., otherwise same as No. 118....per dozen **AJDE** $14.50

ONE-HALF DOZEN IN A WOOD BOX.

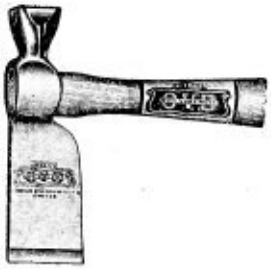
LATH.



No. 129 —Scored head, 2 in. bit, extra quality forged tool steel, adze eye, bell poll, full polished and etched, with select white second growth hickory handle, w't per doz. 16½ lbs.....per dozen **AJDE** $14.50

ONE-HALF DOZEN IN A WOOD BOX.

LATH.



No. 100 —Extra quality forged tool steel, full polished and etched, Boston pattern, with select white second growth hickory handle, 2¼ in. bit, 8 row, 1⅝x1⅝ in. head, 64 points, w't per doz. 20 lbs., per dozen .....**ADDJ** $18.00

ONE-HALF DOZEN IN A WOOD BOX.



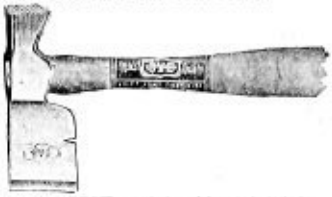
Extra Quality Forged Tool Steel, Full Polished and Etched, with Select White Second Growth Hickory Handle.

No. 85 —2⅛ in. bit, 9 row, 1¼x1¾ in. head, 81 points, w't per doz. 18½ lbs. .....per dozen **ABJJ** $16.50

No. 86 —2½ in. bit, 10 row, 1⅜x1⅝ in .head, 100 points, w't per doz. 20 lbs.....per dozen **ABIE** $17.00

ONE-HALF DOZEN IN A WOOD BOX.

BOXING OR CRATING.

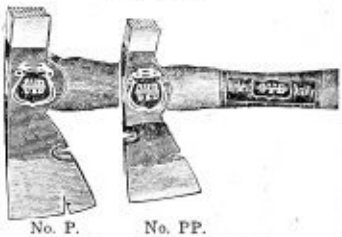


No. 84 —2⅛ in. bit, 1¼x1¼ in. head, 225 points, slightly rounded face, extra quality forged tool steel, full polished and etched, with select white second growth hickory handle, w't per doz. 17 lbs.....per dozen **ABIE** $18.00

This hatchet is especially adapted for fruit packers, and can also be used as a lath hatchet.

ONE-HALF DOZEN IN A WOOD BOX.

BARREL.



No. P. No. PP.

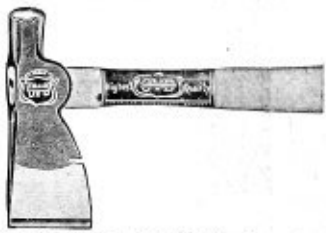
Barrel or Produce Dealers'.

No. P —Improved pattern, extra quality forged tool steel, rich gold bronzed body, polished head and bit, square checkered head, select white second growth hickory handle, bit 2½ in. wide, two nail slots in blade, w't without handle 14 oz., w't per doz. 21 lbs.....per dozen **JGEE** $10.50

No. PP —Regular pattern, w't without handle 12 oz., w't per doz. 18 lbs., otherwise same as No. P, per dozen .....**JGBJ** $10.00

ONE-HALF DOZEN IN A BOX.

SPECIAL SHINGLER.



No. 400 —Special Shingler, extra quality forged tool steel, rich gold bronzed body, polished face and bit, with select white second growth hickory handle, bit 2¼ in. wide, one nail slot in blade, w't per doz. 18 lbs., per dozen .....**JGBJ** $10.00

ONE-HALF DOZEN IN A BOX.

HATCHETS.

ADZE EYE.

Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, With Select White Second Growth Hickory Handle, Adze Eye, Octagon Neck, Round Poll.



No. 1401 —Shingling, 2½ in bit, w't per doz. 22 lbs., per dozen ..... **JGAE** $11.00



No. 1421 —Half. 3¼ in. bit, w't per doz. 20 lbs., per doz. **JGDE** $11.50



No. 1431 —Lath, 2¼ in. bit, w't per doz. 18 lbs., per doz. **JGAE** $11.00

ONE-HALF DOZEN IN A BOX.

CHARCOAL BLACK.

Extra Quality Forged Tool Steel, Rust Proof, Smooth Charcoal Black Finish, with Polished Cutting Edge, Select White Second Growth Hickory Handle, Attractively Labeled.



SHINGLING.

No. 1—3½ in. bit, w't per doz. 20 lbs., per dozen ..... **FJJ** $8.00
No. 2—4 in. bit, w't per doz. 26 lbs., per dozen ..... **FCJ** $8.50



CLAW.

No. 1—3½ in. bit, w't per doz. 22 lbs., per dozen ..... **FFJ** $9.00
No. 2—4 in. bit, w't per doz. 24 lbs., per dozen ..... **FIJ** $9.50

ONE-HALF DOZEN IN A BOX.

CHARCOAL BLACK.



Extra Quality Forged Tool Steel, Rust Proof, Smooth Charcoal Black Finish, with Polished Cutting Edge, Select White Second Growth Hickory Handle, Attractively Labeled.

HALF.

No. 1—3¼ in. bit, w't per doz. 21 lbs., per dozen ..... **FCJ** $8.50
No. 2—3⅝ in. bit, w't per doz. 26 lbs., per dozen ..... **FFJ** $9.00

ONE-HALF DOZEN IN A BOX.

CHARCOAL BLACK.

Extra Quality Forged Tool Steel,, Rust Proof, Smooth Charcoal Black Finish, with Polished Cutting Edge, Select White Second Growth Hickory Handle, Attractively Labeled.



LATH.

No. 0—2 in. bit, w't per doz. 16 lbs., per dozen ..... **EGJ** $7.50

No. 1—2¼ in. bit, w't per doz. 21 lbs., per dozen ..... **FJJ** $8.00

No. 2—2½ in. bit, w't per doz. 23 lbs., per dozen ..... **FCJ** $8.50

CHARCOAL BLACK.



Extra Quality Forged Tool Steel, Rust Proof, Smooth Charcoal Black Finish, with Polished Cutting Edge, Select White Second Growth Hickory Handle, Attractively Labeled.

BROAD.

No. 1—4 in. bit, single bevel, w't per doz. 25 lbs. ...per dozen **JIJJ** $10.50

No. 2—4½ in. bit, single bevel, w't per doz. 28 lbs. ...per dozen **JHGJ** $11.50

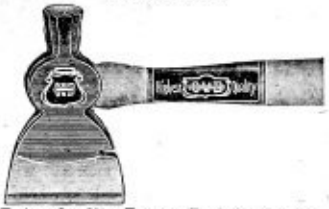
No. 3—5 in. bit, single bevel, w't per doz. 35 lbs. ...per dozen **JIFJ** $13.00

No. 4—5½ in. bit, single bevel, w't per doz. 38 lbs. ...per dozen **AJHJ** $14.50

ONE-HALF DOZEN IN A BOX.

BRONZED HATCHETS.

SHINGLING.



Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

No. 1 —Shingling, 3½ in. bit, w't per doz. 20 lbs., per doz. **EGE** $8.00

No. 2 —Shingling, 4 in. bit, w't per doz. 26 lbs., per doz. **FAJ** $8.50

No. 3 —Shingling, 4½ in. bit, w't per doz. 31 lbs., per doz. **FEJ** $9.00

CLAW.



Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

No. 1 —Claw, 3½ in. bit, w't per doz. 22 lbs.....per dozen **FEJ** $9.00

No. 2 —Claw, 4 in. bit, w't per doz. 24 lbs.....per dozen **FHE** $9.50

No. 3 —Claw, 4½ in. bit, w't per doz. 29 lbs.....per dozen **JGBJ** $10.00

HALF.



Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

No. 1 —Half, smooth face, 3½ in. bit, w't per doz. 21 lbs. per dozen ..... **FAJ** $8.50

No. 2 —Half, smooth face, 3⅝ in. bit w't per doz. 26 lbs., per dozen ..... **FEJ** $9.00

No. 02 —Half, scored face, 3⅝ in. bit, w't per doz. 26 lbs., per dozen ..... **FHE** $9.50

No. 3 —Half, smooth face, 4 in. bit, w't per doz. 30 lbs., per dozen ..... **FHE** $9.50

BROAD.



Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

No. 1 —Broad, 4 in. bit, w't per doz. 25 lbs.....per dozen **JGEE** $10.50

No. 2 —Broad, 4½ in. bit, w't per doz. 28 lbs., per doz. **JHCJ** $11.50

No. 3 —Broad, 5 in. bit, w't per doz. 35 lbs.....per dozen **JICE** $13.00

No. 4 —Broad, 5½ in. bit, w't per doz. 38 lbs.....per dozen **AJDE** $14.50

No. 5 —Broad, 6 in. bit, w't per doz. 44 lbs.....per dozen **AAIJ** $16.50

ONE-HALF DOZEN IN A BOX.

FLOORING.



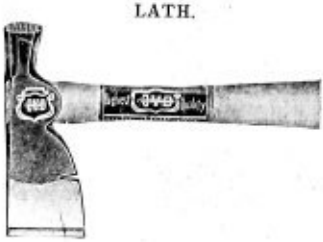
Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

No. 1 —Flooring or Half Broad, 3¾ in. bit, w't per doz. 25 lbs., per dozen ..... **JHFE** $12.00

No. 2 —Flooring or Half Broad, 4¼ in. bit, w't per doz. 28 lbs., per dozen ..... **JICE** $13.00

A BOX.

LATH.



Extra Quality Forged Tool Steel, Rich Gold Bronzed Body, Polished Face and Bit, with Select White Second Growth Hickory Handle.

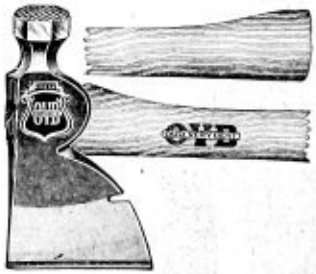
No. 0 —Lath, 2 in. bit, w't per doz. 16 lbs.....per dozen **EDJ** $7.50

No. 1 —Lath, 2¾ in. bit, w't per doz. 21 lbs.....per dozen **EGE** $8.00

No. 2 —Lath, 2½ in. bit, w't per doz. 23 lbs.....per dozen **FAJ** $8.50

No. 3 —Lath, 2¾ in. bit, w't per doz. 24 lbs.....per dozen **FEJ** $9.00

ONE-HALF DOZEN IN A BOX.



No. 450 —Derrick, 3⅝ in. bit, scored face, heavy octagon head and neck, extra quality forged tool steel, rich gold bronzed body, polished bit with 18 in. select white second growth hickory handle, w't per doz. 30 lbs., per dozen ..... **JIFJ** $13.35

ONE-HALF DOZEN IN A BOX.

REVONOC HATCHETS.

REVONOC PAINTED BLACK.



Shingling.



Claw.

Extra Tool Steel, Black Body, Polished Face and Bit, with Select White Hickory Handle.

No. 301 REVONOC—Shingling, 3½ in. bit, w't per doz. 20 lbs., per dozen ..... **EDF** $8.00
No. 302 REVONOC—Shingling, 4 in. bit, w't per doz. 26 lbs., per dozen ..... **EHE** $8.50
No. 311 REVONOC—Claw, 3½ in. bit, w't per doz. 22 lbs., per dozen ..... **FBJ** $9.00
No. 312 REVONOC—Claw, 4 in. bit, w't per doz. 24 lbs., per dozen ..... **FEJ** $9.50
No. 313 REVONOC—Claw, 4½ in. bit, w't per doz. 29 lbs., per dozen ..... **JFHE** $10.00



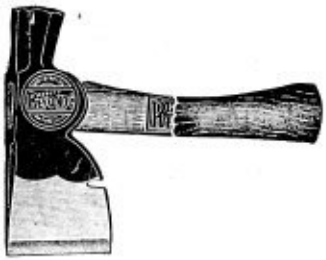
Half.



Lath.

Extra Tool Steel, Black Body, Polished Face and Bit, with Select White Hickory Handle.

No. 321 REVONOC—Half, 3¼ in. bit, w't per doz. 21 lbs., per dozen ..... **EHE** $8.50
No. 322 REVONOC—Half, 3½ in. bit, w't per doz. 26 lbs., per dozen ..... **FBJ** $9.00
No. 331 REVONOC—Lath, 2¼ in. bit, w't per doz. 16 lbs., per dozen ..... **EDE** $8.00
No. 332 REVONOC—Lath, 2½ in. bit, w't per doz. 21 lbs., per dozen ..... **EHE** $8.50



No. 32 REVONOC—Derrick hand made, extra tool steel black finish, polished face and bit, 3 in. bit, with shoulder for starting nails, 18 in. select white hickory handle, w't per doz. 32 lbs. ..... per dozen **JHBJ** $12.00

ONE-HALF DOZEN IN A BOX.



REVONOC PAINTED BLACK.

Extra Tool Steel, Black Body, Polished Face and Bit, with Select White Hickory Handle.

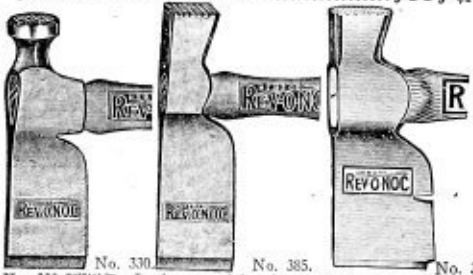
No. 341 REVONOC—Broad, 4 in. bit, w't per doz. 25 lbs., per dozen ..... **JGBJ** $10.50
No. 342 REVONOC—Broad, 4½ in. bit, w't per doz. 28 lbs., per dozen ..... **JGHE** $11.50
No. 343 REVONOC—Broad, 5 in. bit, w't per doz. 35 lbs., per dozen ..... **JHIJ** $13.00
No. 344 REVONOC—Broad, 5½ in. bit, w't per doz. 38 lbs., per dozen ..... **JIIJ** $14.50

ONE-HALF DOZEN IN A BOX.

REVONOC POLISHED.



No. 320 REVONOC—Half, 3 in. bit, extra tool steel, adze eye, bell poll, full polished and etched, with select white second growth hickory handle, w't per doz. 18½ lbs., per dozen ..... **JIIJ** $14.50



No. 330. No. 385. No. 384.

No. 330 REVONOC—Lath, scored head, 2 in. bit, extra tool steel, adze eye, bell poll, full polished and etched, with select white second growth hickory handle, w't per doz. 16½ lbs., per dozen ..... **JIIJ** $14.50
No. 385 REVONOC—Lath, scored head, 81 points, extra tool steel, with select white second growth hickory handle, 2⅛ in. bit, 9 row, 1¼x1¼ in. full polished and etched, w't per doz. 18½ lbs. ..... per dozen **AACJ** $16.50
No. 384 REVONOC—Lathing or Boxing, 2¼ in. bit, 1¼x1¼ in. head, 225 points, extra tool steel, full polished and etched, with select white second growth hickory handle, w't per doz. 17 lbs. ..... per dozen **ABJJ** $18.00

ONE-HALF DOZEN IN A BOX.

CRUSO HATCHETS.

BRONZED.



Shingling.



Half.

Forged Steel, Fire Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 501—Shingling, 3½ in. bit, w't per doz. 20 lbs., per dozen	**DHJ**	$8.00
No. 502—Shingling, 4 in. bit, w't per doz. 26 lbs., per dozen	**EAJ**	8.50
No. 521—Half, 3½ in. bit, w't per doz. 21 lbs., per dozen	**EAJ**	8.50
No. 522—Half, 3⅝ in. bit, w't per doz. 26 lbs., per dozen	**EDJ**	9.00



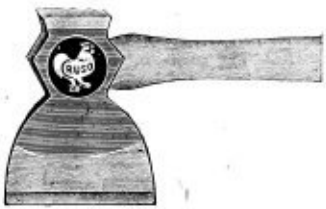
Lath.



Claw.

Forged Steel, Fire Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 531—Lath, 2¼ in. bit, w't per doz. 16 lbs., per dozen	**DHJ**	$8.00
No. 532—Lath, 2½ in. bit, w't per doz. 21 lbs., per dozen	**EAJ**	8.50
No. 511—Claw, 3½ in. bit, w't per doz. 22 lbs., per dozen	**EDJ**	9.00
No. 512—Claw, 4 in. bit, w't per doz. 24 lbs., per dozen	**EGJ**	9.50



Forged Steeel, Fire Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 542—Broad, 4½ in. bit, w't per doz. 28 lbs., per dozen	**JFIJ**	$11.50
No. 543—Broad, 5 in. bit, w't per doz. 35 lbs., per dozen	**JGHJ**	13.00
No. 544—Broad, 5½ in. bit, w't per doz. 38 lbs., per dozen	**JHGJ**	14.50

ONE-HALF DOZEN IN A BOX.

BLACK.



No. 601.



No. 611.

Forged Steel, Dull Black Body, Polished Face and Bevel, with Hickory Handle.

No. 601—Shingling, 3½ in. bit, w't per doz. 20 lbs., per dozen	**DHJ**	$8.00
No. 602—Shingling, 4 in. bit, w't per doz. 26 lbs., per doz.	**EBJ**	$8.50
No. 611—Claw, 3½ in. bit, w't per doz. 22 lbs., per dozen	**EDJ**	$9.00
No. 612—Claw, 4 in. bit, w't per doz. 24 lbs., per dozen	**EGJ**	$9.50



No. 621.



No. 631.

Forged Steel, Dull Black Body, Polished Face and Bevel, with Hickory Handle.

No. 621—Half, 3½ in. bit, w't per doz. 21 lbs., per dozen	**EAJ**	$8.50
No. 622—Half, 3⅝ in. bit, w't per doz. 26 lbs., per dozen	**EDJ**	$9.00
No. 631—Lath, 2¼ in. bit, w't per doz. 16 lbs., per dozen	**DHJ**	$8.00
No. 632—Lath, 2½ in. bit, w't per doz. 21 lbs., per dozen	**EAJ**	$8.50



Forged Steel, Dull Black Body, Polished Face and Bevel, with Hickory Handle.

No. 642—Broad, 4½ in. bit, w't per doz. 28 lbs., per dozen	**JFIJ**	$11.50
No. 643—Broad, 5 in. bit, w't per doz. 35 lbs., per dozen	**JGHJ**	$13.00
No. 644—Broad, 5½ in. bit, w't per doz. 38 lbs., per dozen	**JHGJ**	$14.50

ONE-HALF DOZEN IN A BOX.

HATCHETS.

CALUMET.



Converted Cast Steel, Silver Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 1—Shingling, 3½ in. bit, w't per doz. 20 lbs., per dozen ..... **DHJ** $8.00

No. 2—Shingling, 4 in. bit, w't per doz. 26 lbs., per dozen ..... **EBJ** $8.50



Converted Cast Steel, Silver Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 1—Half, 3¼ in. bit, w't per doz. 21 lbs., per dozen ..... **EAJ** $8.50

No. 2—Half, 3⅝ in. bit, w't per doz. 26 lbs., per dozen ..... **EDJ** $9.00



Converted Cast Steel, Silver Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 1—Claw, 3½ in. bit, w't per doz. 22 lbs., per dozen ..... **EDJ** $9.00

No. 2—Claw, 4 in. bit, w't per doz. 24 lbs., per dozen ..... **EGJ** $9.50

ONE-HALF DOZEN IN A BOX.

BUR-NOR, ALL STEEL.



BUR-NOR, All Steel, Riveted, with Reinforced Hollow Steel Handle, Oil-Tempered Blade, Black Enameled Body, Polished Bit.

No. 198—Shingling, 3¼ in. bit, w't per doz. 18 lbs., per dozen ..... **BFJ** $5.00

No. 199—Half, 3¼ in. bit, w't per doz. 18 lbs., per dozen ..... **BFJ** 5.00

No. 200—Claw, 3½ in. bit, w't per doz. 19 lbs., per dozen ..... **CHE** 6.00

ONE-HALF DOZEN IN A BOX.

CAST IRON.



No. 801.



No. 811.

Cast Iron, Bronzed Body, Polished Head and Bit, with Hickory Handle.

No. 801—Shingling, 3 in. bit, w't per doz. 10 lbs., per dozen ..... **ABJ** $2.00

No. 811—Claw, 3 in. bit, w't per doz. 14 lbs., per dozen ..... **AHJ** $3.00

ONE DOZEN IN A BOX.



No. 821—Half, 3 in. bit, w't per do. 12 lbs., per dozen ..... **ABJ** $2.00

ONE DOZEN IN A BOX.

NAIL HAMMERS.

STEEL—Crucible steel of special analysis, proven the best by years of experience and tested constantly to insure uniformity of composition.

TEMPER—Tempering and hardening heats regulated automatically by thermometer. Steel of uniform composition, uniformly treated, MUST give uniformly perfect results.

FACES—Of extreme hardness, yet not brittle, will do the severest work without cracking, denting or breaking down.

CLAWS—Short, compact, tough, with fine drawn slot, whose sharp knife edge will grip and hold and PULL STRAIGHT any nail which will enter it.

HAMMER HEAD.



Sectional cut of Bell Face Hammer Head, showing eye tapering from both ends toward the center, and Patent Wedge, which locks the handle perfectly. It cannot come out. Notice also the perfect proportions of the Head.

PATTERNS—Embodying the best suggestions of scores of practical mechanics. No "hit or miss" designs, but the best shape in each tool for comfort and efficiency.

HANDLES—Turned from best second growth white hickory, split, not sawed, insuring straight grain. Made with full grip and slightly flared end, will not slip from hand. Wedged with patent lock wedges, heads and handles never part company.

FINISH—A high mirror polish, or buffed nickel plate on copper. The artistic stamp and label brand each tool now and always as .

CHROME-VANADIUM NAIL.

The Highest Quality Ever Produced.



Forged by expensive high-powered dies, from chrome-vanadium refined tool steel of our own composition, containing chromium for maximum hardness, and vanadium for superior toughness. The highest priced hammer steel ever produced, making a tool of heretofore unattained perfection.

Exclusive pattern, round neck, OCTAGON HEAD.

Full mirror polish, handsomely stamped with the brand of quality.

Finest young second growth hickory handles, tough and springy, with flared end to prevent slipping, highly polished and waxed and handsomely labeled. THE WORLD'S SUPREME HAMMER.

No. CV11½—Chrome-vanadium, w't less handle 16 oz., w't per doz. 20 lbs. ..... per dozen **JIFJ** $20.00

ONE IN A CARTON, ONE-HALF DOZEN IN A BOX.

TRIPLE CLAW NAIL.



No. T11½—16 oz. solid forged steel, bell face, with patent triple claw, full polished except black neck, w't per doz. 16 lbs., with select white hickory handle, per dozen ..... **JGBJ** $10.00

This hammer will pull nails that no other hammer can reach, and draw finishing nails straight out of the wood without using a block under the hammer head and without marring the surface. Pulls nails driven close to corners.

ONE IN A CARTON; ONE-HALF DOZEN IN A BOX.

OCTAGON NAIL.



Solid Forged Steel, Octagon Neck, Octagon Face, Full Burnished Nickel Plated Head, Cherry Stained, Hand Rubbed, Best Second Growth Hickory Handle.

Nos.	421½	422
W't less handle, oz.	17	14
W't per doz., lbs.	20	16
Per dozen	$15.00	14.50
	JHGJ	JHDJ



Solid Forged Steel, Round Neck, Octagon Face, Burnished Nickel Plated Head, with Select Second Growth White Hickory Handle

Nos.	221½	222
W't less handle, oz.	17	14
W't per doz., lbs.	20	16
Per dozen	$12.00	11.00
	JGHJ	JGEJ

ONE IN A CARTON; ONE-HALF DOZEN IN A BOX.

HAMMERS.

STEEL—Crucible steel of special analysis, proven the best by years of experience and tested constantly to insure uniformity of composition.

TEMPER—Tempering and hardening heats regulated automatically by thermometer. Steel of uniform composition, uniformly treated, MUST give uniformly perfect results.

FACES—Of extreme hardness, yet not brittle, will do the severest work without cracking, denting or breaking down.

CLAWS—Short, compact, tough, with fine drawn slot, whose sharp knife edge will grip and hold and PULL STRAIGHT any nail which will enter it.

HAMMER HEAD.



Sectional cut of Bell Face Hammer Head, showing eye tapering from both ends toward the center, and Patent Wedge, which locks the handle perfectly. It cannot come out. Notice also the perfect proportions of the Head.

PATTERNS—Embodying the best suggestions of scores of practical mechanics. No "hit or miss" designs, but the best shape in each tool for comfort and efficiency.

HANDLES—Turned from best second growth white hickory, split, not sawed, insuring straight grain. Made with full grip and slightly flared end, will not slip from hand. Wedged with "Never-Slip" patent lock wedges, heads and handles never part company.

FINISH—A high mirror polish, or buffed nickel plate on copper. The artistic stamp and label brand each tool now and always as .

ADZE EYE NAIL.



Solid Forged Steel, Plain Poll, Full Polished, with Select White Hickory Handle.

Nos.	0	1	1½
W't less handle, oz.	28	20	16
W't per doz., lbs.	26	20	18
Per dozen	$12.50	9.00	8.50
	JIJJ	FEJ	FJJ

Nos.	2	3
W't less handle, oz.	13	7
W't per doz., lbs.	14	9½
Per dozen	$8.00	7.50
	EGJ	EDJ



Solid Forged Steel, Bell Face, Full Polished, with Select White Hickory Handle.

Nos.	11	11½	12
W't less handle, oz.	20	16	13
W't per doz., lbs.	20	18	14
Per dozen	$9.00	8.50	8.00
	FEJ	FJJ	EGJ

Nos.	13	14
W't less handle, oz.	7	4
W't per doz., lbs.	9½	6
Per dozen	$7.50	7.25
	EDJ	EBJ

ONE-HALF DOZEN IN A BOX.

A. E. CHECKERED NAIL.



No. C11½ —16 oz., solid forged steel, checkered bell face, full polished, with select white hickory handle, w't per doz. 18 lbs. .....per dozen FEJ $9.50

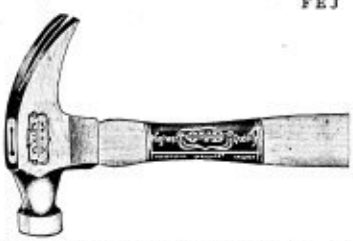
ONE-HALF DOZEN IN A BOX.

ADZE EYE RIPPING.



Solid Forged Steel, Plain Poll, Full Polished, with Select White Hickory Handle.

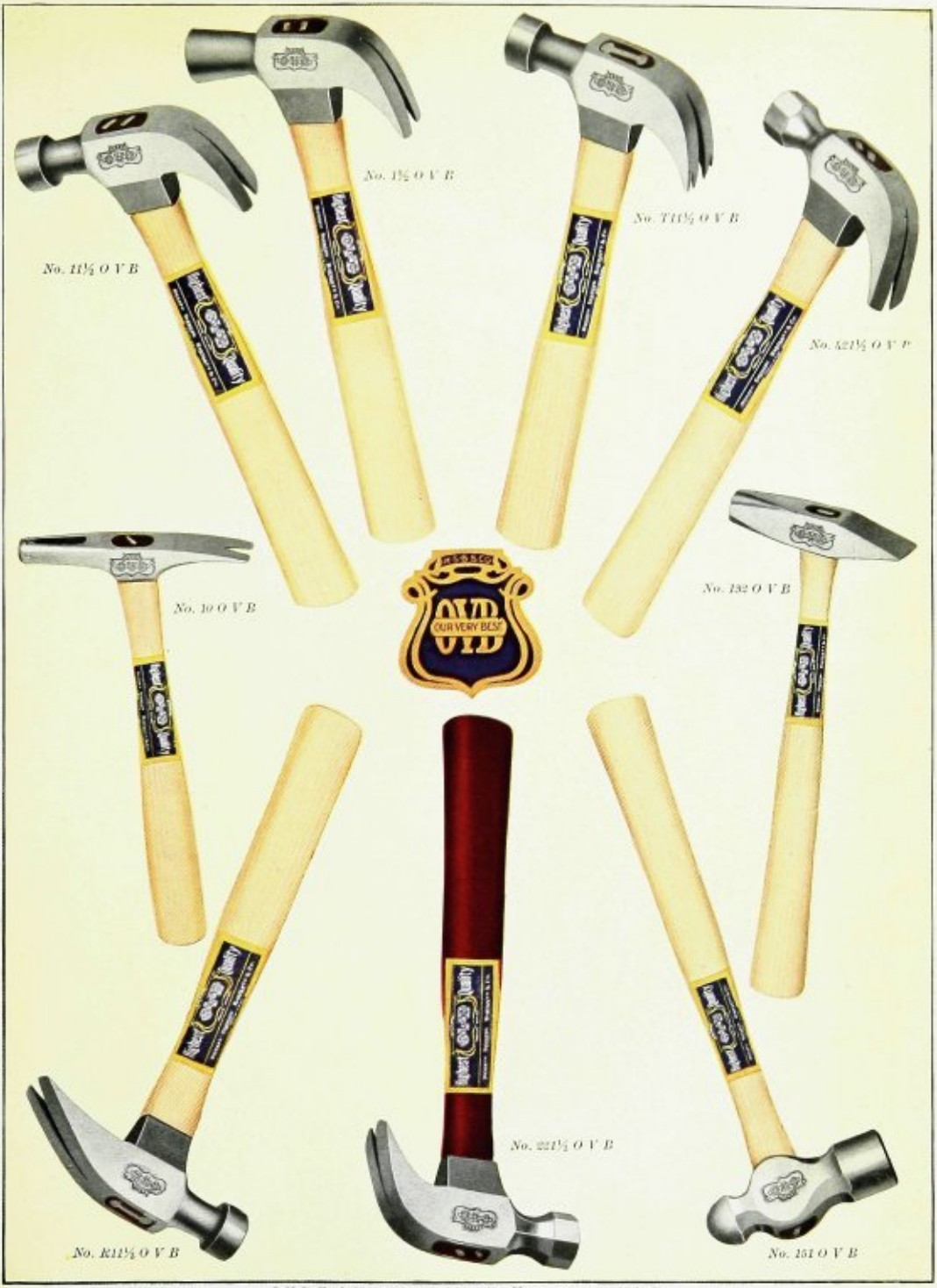
Nos.	R1	R1½
W't less handle, oz.	20	16
W't per doz., lbs.	20	18
Per dozen	$9.00	8.50
	FEJ	FJJ



Solid Forged Steel, Bell Face, Full Polished, with Select White Hickory Handle.

Nos.	R11	R11½	R12
W't less handle, oz.	20	18	14
W't per doz., lbs.	20	28	14
Per dozen	$9.00	8.50	8.00
	FEJ	FJJ	EGE

ONE-HALF DOZEN IN A BOX.



O V B Tack Hammers, page 35, other Hammers, pages 27 to 29.

HAMMERS.

FARRIERS'.



No. F2 —7 oz., adze eye, solid forged steel, round poll, polished, with select white hickory handle, w't per doz. 9 lbs. .....per dozen **EDJ** $7.50



No. F10 —10 oz., adze eye, solid forged steel, Boston pattern, polished, with select white hickory handle, w't per doz. 12 lbs., per dozen **FEJ** $8.00

ONE-HALF DOZEN IN A BOX.

RIVETING.



Solid Forged Steel, Plain Eye, Polished, with Select White Hickory Handle.

Nos.	0	1	2
W't less hdl., oz.	4	7	9
W't per doz., lbs.	4	7½	10
Per dozen	$5.50	5.75	6.00
	CIE	DAE	DCJ

Nos.	3	4	5
W't less hdl., oz.	12	15	18
W't per doz., lbs.	13	15	17
Per dozen	$6.25	6.50	7.00
	DEJ	DEE	EJE

ONE-HALF DOZEN IN A BOX.

MACHINISTS'.



Solid Forged Steel, Ball Pein, Full Polished, Octagon Pattern, with Select White Hickory Handle.

Nos.	4/0	3/0	2/0
W't less hdl., oz.	6	8	12
W't, doz., lbs.	7	10	13
Per dozen	$12.00	12.00	12.00
	JDHJ	JDHJ	JDHJ

Nos.	0	1	2
W't less hdl., oz.	16	20	24
W't, doz., lbs.	16	21	24
Per dozen	$12.50	13.50	14.50
	JDIJ	JEDJ	JEHJ

Nos.	3	4
W't less hdl., oz.	28	32
W't per doz lbs.	27	30
Per dozen	$15.50	16.50
	JFBJ	JFFJ

Nos.	5	6
W't less hdl., oz	36	40
W't per doz., lbs.	33	38
Per dozen	$17.50	19.00
	JGJJ	JGDE

ONE-THIRD DOZEN IN A BOX.

AUTOMOBILE.



No. C2/0 —Solid forged tool steel, ball pein, full nickel plated, octagon pattern, with cherry stained handle, 10 in. over all, w't less handle 12 oz., w't per doz. 12 lbs., per dozen .....**JFCJ** $16.00

No. A2/0 —Full polished, with select white hickory handle, w't per doz. 12 lbs., otherwise same as No. C2/0 , per dozen **JDHJ** $12.00

This hammer is mounted on a short handle, 10 in. long over all, making a compact tool especially suited for use on an automobile, aeroplane or motor boat. Electricians and mechanics in general will find this a handy size and the quality of the hammer will enable it to stand hard service.

ONE-THIRD DOZEN IN A BOX.

PLOW OR ENGINEERS'.



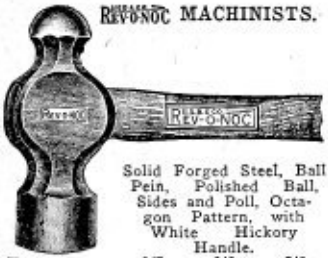
Solid Forged Steel, Cross Pein, Polished, with Select White Hickory Handle.

Nos.	1	2	3
W't less hdl., lbs.	1¼	2	2½
W't, doz., lbs.	24	29	35
Per dozen	$13.00	14.00	15.00
	JGJJ	JGEE	JHAJ

ONE-THIRD DOZEN IN A BOX.

REVONOC AND MAYDOLE HAMMERS.

REVONOC MACHINISTS.



Solid Forged Steel, Ball Pein, Polished Ball, Sides and Poll, Octagon Pattern, with White Hickory Handle.

Nos.	247	248	249
W't, less handle, oz.	6	8	12
W't, doz., lbs.	7	10	13
Per dozen	$12.00	12.00	12.00
	JDAJ	JDAJ	JDAJ
Nos.	250	251	252
W't, less handle, oz.	16	20	24
W't, doz., lbs.	16	21	24
Per dozen	$12.50	13.50	14.50
	JDCJ	JDFJ	JEJJ
Nos.		253	254
W't, less handle, oz.		28	30
W't per doz. lbs.		27	30
Per dozen		$15.50	16.50
		JEDJ	JEHJ

ONE-THIRD DOZEN IN A BOX.

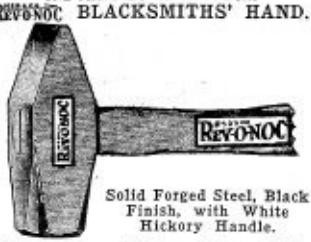


Solid Forged Steel, Black Finish, with White Hickory Handle.

Nos.	0375	0376
Sizes	2	3
W't, less handle, lbs.	1½	1¾
W't per doz., lbs.	24	27
Per dozen	$14.50	15.50
	JDDJ	JDGJ
Nos.	0377	0378
Sizes	4	5
W't, less handle, lbs.	2	2¼
W't per doz., lbs.	30	33
Per dozen	$16.50	17.50
	JEJJ	JECJ

ONE-THIRD DOZEN IN A BOX.

REVONOC BLACKSMITHS' HAND.



Solid Forged Steel, Black Finish, with White Hickory Handle.

Nos.	0281	0282	0283
W't, less handle, oz.	32	42	48
W't, doz., lbs.	30	35	40
Per dozen	$14.00	15.00	16.00
	JFGJ	JGBJ	JGGJ

ONE-THIRD DOZEN IN A BOX.

REVONOC PLOW OR ENGINEERS'.



Solid Forged Steel, Black Finish, with White Hickory Handle.

Nos.	0261	0262	0263
W't, less handle, oz.	26	32	40
W't, doz., lbs.	24	30	36
Per dozen	$13.00	14.00	15.00
	JFBE	JFGJ	JGBJ

ONE-THIRD DOZEN IN A BOX.

MAYDOLE RIPPING.



Maydole's First Quality, Solid Forged Steel, Plain Poll, Straight Claw, Polished.

No. 701½—W't less handle 16 oz., w't per doz. 18 lbs., per doz. **FBJ** $8.00

E. L. Brown's Second Quality, Not Warranted, Sales Subject to Stock on Hand.

No. J701—W't less handle 20 oz., w't per doz. 20 lbs.....per dozen **DHE** $8.75

No. J701½—W't less handle 16 oz., w't per doz. 18 lbs., per dozen **DEJ** $8.00

No. J702—W't less handle 12 oz., w't per doz. 15 lbs.....per dozen **DAE** $7.50

ONE-HALF DOZEN IN A BOX.



Maydole's First Quality, Solid Forged Steel, Bell Face, Straight Claw, Polished.

No. 711½—W't less handle 16 oz., w't per doz. 18 lbs., per doz. **FBJ** $8.00

No. 712—W't less handle 12 oz., w't per doz. 15 lbs.....per dozen **EHE** $7.50

E. L. Brown's Second Quality, Not Warranted, Sales Subject to Stock on Hand.

No. J711—W't less handle 20 oz., w't per doz. 20 lbs.....per dozen **DHE** $8.75

No. J711½—W't less handle 16 oz., w't per doz. 17 lbs., per dozen **DEJ** $8.00

No. J712—W't less handle 12 oz., w't per doz. 15 lbs.....per dozen **DAE** $7.50

ONE-HALF DOZEN IN A BOX.

MAYDOLE NAIL.



Maydole's First Quality.

Solid Forged Steel, Plain Poll, Regular Claw, Polished.

Nos.	1	1½	2	3
W't, less handle, oz.	20	16	13	7
W't, doz., lbs.	20	18	15	9
Per dozen	$8.75	8.00	7.50	6.75
	FHJ	FBJ	EHE	EBE

E. L. Brown's Second Quality, Not Warranted, Sales Subject to Stock on Hand.

Nos.	J1	J1½	J2	J3
W't, less handle, oz.	20	16	13	7
W't, doz., lbs.	20	18	15	9
Per dozen	$8.75	8.00	7.50	6.75
	DHE	DEJ	DAE	CFJ

ONE-HALF DOZEN IN A BOX.



Maydole's First Quality.

Solid Forged Steel, Bell Face, Regular Claw, Polished.

Nos.	11	11½	12	13
W't, less handle, oz.	19	16	12	7
W't, doz., lbs.	19	17	14	8
Per dozen	$8.75	8.00	7.50	6.75
	FHJ	FBJ	EHE	EBE

E. L. Brown's Second Quality, Not Warranted, Sales Subject to Stock on Hand.

Nos.	J10	J11	J11½	J12
W't less handle, oz.	25	19	16	12
W't, doz., lbs.	26	19	17	14
Per dozen	$11.50	8.75	8.00	7.50
	JEIE	DHE	DEJ	DAE
Nos.	J12½	J13	J14	
W't less handles, oz.	10	7	5	
W't, doz., lbs.	12	8	6	
Per dozen	$7.20	6.75	6.40	
	CIJ	CFJ	CDE	

ONE-HALF DOZEN IN A BOX.

HANDLED HAMMERS.

CRUSO NAIL.



CRUSO, Forged Steel, Plain Poll, Polished, Hickory Handle.

Nos.	01	01½	02
W't less hdl., oz....	20	16	13
W't per doz., lbs....	20	18	14
Per dozen.....	$7.00	6.50	6.00
	CHJ	CFJ	CDJ

ONE-HALF DOZEN IN A BOX.

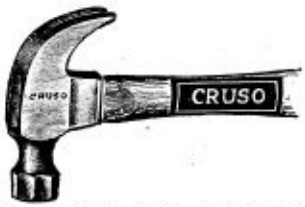


Hickory Handle.

CRUSO, Forged Steel, Bell Face, Polished, Except Black Neck,

Nos.	011	011½	012
W't less hdl., oz....	20	16	13
W't per doz., lbs....	20	18	14
Per dozen.....	$7.00	6.50	6.00
	CHJ	CFJ	CDJ

ONE-HALF DOZEN IN A BOX.



No. 111½—Cruso, 16 oz., forged steel, polished octagon poll and face, round black neck, hickory handle, w't per doz. 18 lbs. .....per dozen **EAJ** $8.00

ONE-HALF DOZEN IN A BOX.

CRUSO RIPPING.



No. 110½—Cruso, 16 oz., forged steel, straight claw, bell face, polished, except black neck, hickory handle, w't per doz. 18 lbs., per dozen **CFJ** $6.50

ONE-HALF DOZEN IN A BOX.

CRUSO MACHINISTS'.



Forged Steel, Black Finish, with Polished Sides, Face and Ball, Hickory Handle.

Nos.	049	050	051
Size	2-0	0	1
W't less handle, oz.	12	16	20
W't per doz. ..	13	16	21
Per dozen ...	$12.00	12.50	13.50
	JBIJ	JCJJ	JCBE

ONE-HALF DOZEN IN A BOX.

CRUSO AUTOMOBILE.

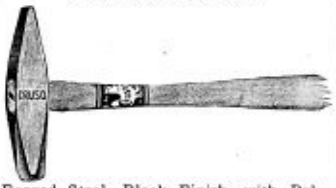


Forged Steel, Rough Black, Finish, Polished Ball and Face.

No. 020—10 in. hardwood handle, w't less handle 12 oz., w't per doz. 12 lbs., per dozen ..... **JBHJ** $12.00

ONE-HALF DOZEN IN A BOX.

CRUSO RIVETING.



Forged Steel, Black Finish, with Polished Face and Bevel.

Nos.	031	032	033
Size	1	2	3
W't less handle, oz	7	9	12
W't per doz., lbs...	7½	10	13
Per dozen	$5.75	6.00	6.25

ONE-HALF DOZEN IN A BOX.

TWO-BITS NAIL.



TWO-BITS, Converted Steel, Plain Poll, Polished Finish, with Ebonized Hickory Handle.

Nos.	M1½	M2	M3
W't less hdl., oz....	16	13	7
W't per doz., lbs....	14	9	5½
Per dozen.....	$5.50	5.00	4.50
	BDJ	BAE	AIJ

TWO-BITS NAIL.



TWO-BITS, Concaved Steel, Bell Face, Polished Finish, Except Black Neck, with Ebonized Hickory Handle.

Nos.	M1½	M12	M13
W't less hdl., oz....	16	13	7
W't per doz., lbs....	14	9	5½
Per dozen.....	$5.50	5.00	4.50
	BDJ	BAE	AIJ

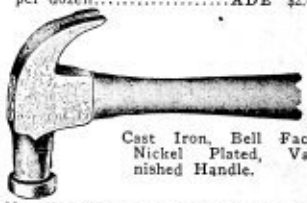
ONE-HALF DOZEN IN A BOX.

CAST IRON NAIL.



Cast Iron, Round Neck, Octagon Face, Nickel Plated, with Ebonized Handle.

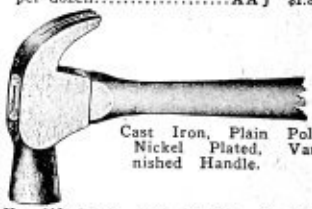
No. 122—16 oz., w't per doz. 13 lbs., per dozen..... **ADE** $2.40



Cast Iron, Bell Face, Nickel Plated, Varnished Handle.

No. 22½—16 oz., w't per doz. 13 lbs., per dozen ..... **ACJ** $2.20

No. 21½—12 oz., w't per doz. 8 lbs., per dozen..... **AAJ** $1.80



Cast Iron, Plain Poll. Nickel Plated, Varnished Handle.

No. 112—16 oz., w't per doz. 13 lbs., per dozen ..... **ABJ** $2.00

No. 110—12 oz., w't per doz. 9 lbs., per dozen..... **AJJ** $1.70

No. 600—6 oz., w't per doz. 4½ lbs., per dozen..... **JFE** $1.05



Cast Iron, Plain Poll, Polished, Varnished Handle.

No. 113—16 oz., w't per doz. 13 lbs., doz. 13 lbs.....per dozen **AAJ** $1.80

No. 610—7 oz., w't per doz. 5½ lbs., per dozen..... **JEE** $0.90

ONE DOZEN IN A BOX.

TACK AND BILL POSTERS' HAMMERS.

TACK.



No. 10—5 oz., magnetic, with claw, highest quality forged crucible tool steel, adze eye, full polished, finest white hickory handle, head 4¼ in. long, length over all 11½ in., w't per doz. 7 lbs.
per dozen .....**EDJ** $8.00



No. 33—5 oz., magnetic, without claw, extra quality forged crucible steel, full polished, select white hickory handle, head 4 in. long, length over all 11½ in., w't per doz. 6 lbs. .....per dozen **DHJ** $8.00



No. 20—6 oz., non-magnetic, highest quality forged crucible tool steel, adze eye, full polished, finest white hickory handle, head 5¼ in. long, length over all 11½ in., w't per doz. 7½ lbs.....per dozen **EDJ** $8.00



No. 190—Two-Bits, 5 oz., magnetic, with claw, converted steel head, full polished, hickory handle, head 4¼ in. long, length over all 11½ in., w't per doz. 6 lbs. .....per dozen **BDJ** $4.00



No. 195—Two-Bits, magnetic, 5 oz., without claw, otherwise same as No. 190.....per dozen **BDJ** $4.00

ONE DOZEN IN A BOX.

TACK.



No. 4—Stanley, malleable iron head and handle in one piece, tinned, with riveted hardwood grips and claw end, head 4 in. long, length over all 11 in., w't per doz. 4½ lbs.,
per dozen .....**AHJ** $3.00



No. 2—Stanley, magnetic, cast iron head, tinned, ash handle, with steel claw on end, head 4 in. long, length over all 11¾ in., w't per doz. 3¾ lbs., per dozen .....**JIJ** $1.50



No. 1—Stanley, magnetic, cast iron head, with claw, tinned, ash handle, head 3¾ in. long, length over all 10¾ in., w't per doz. 3¼ lbs., per dozen .....**JHJ** $1.30



No. 25—Standard, cast iron head, polished, hardwood handle with claw on end, head 3¼ in. long, length over all 11¼ in., w't per doz. 3½ lbs., per dozen .....**EJ** $0.85



No. 5—Standard, solid cast iron head and handle, japanned, with claw on end, head 2¾ in. long, length over all 8¼ in., w't per doz. 5 lbs.,
per dozen .....**CF** $0.60

ONE DOZEN IN A BOX.

TACK.



No. 157—Maricopa, 7 oz., converted steel, full polished, adze eye, with ebonized hickory handle, head 5¼ in. long, length over all 10½ in., w't per doz. 5½ lbs....per dozen **AGJ** $2.80

ONE-HALF DOZEN IN A BOX.

No. 57—Cast iron, 7 oz., nickel plated, with stained hardwood handle, head 5½ in. long, length over all 10½ in., w't per doz. 5¼ lbs.,
per dozen .....**JHE** $1.40

ONE DOZEN IN A BOX.

BILL POSTERS' HAMMER HEADS.



Bill Posters', Horse Shoe Pattern, Superior Magnet Steel, Drop Forged, Full Polished.

No. 500—5 oz., without handle, w't per doz. 4 lbs.,
per dozen .....**JGIJ** $13.20

No. 800—8 oz., without handle, w't per doz. 6½ lbs.,
per dozen .....**JIIJ** $16.50

ONE DOZEN IN A BOX.

EXTRAS FOR BILL POSTERS' HAMMERS.



No. BP24—Handles, 24 in., plain, white ash, hand made, per doz. **CDE** $5.80

No. BJ36—Handles, 36 in., jointed, 2 sections, white ash, screw socket, per dozen .....**JFFJ** $11.00

No. B10—Card Holding Attachments, to put on handles for holding card to set first tack, per dozen sets **AHJ** $3.00

TACK CLAWS, CARPET STRETCHERS AND POST MAULS.

TACK CLAWS.



—⅜ in. octagon steel shank, rosewood finished handle, nickel plated ferrule, w't per doz. 2½ lbs., per dozen .....ADE $3.00

ONE DOZEN IN A BOX.



No. 150—Drop forged steel, tempered, polished claw, length 7 in., w't per doz. 2½ lbs., per dozen ACJ $3.75

ONE DOZEN IN A BOX.



No. 374—Common, beech handle, brass ferrule, w't per doz. 1¾ lbs., per dozen .....A.....DH $0.75

ONE DOZEN IN A BOX.



No. 39—Yankee, tempered steel claw, malleable iron shank, polished maple handle, w't per doz. 2½ lbs., per dozen .....JGJ $1.50

ONE DOZEN IN A DISPLAY BOX.



No. 50 —Cast steel, square shank, blued, stained handle, brass ferrule, w't per doz. 1¾ lbs., per dozen .....JHE $1.50

ONE DOZEN IN A BOX.

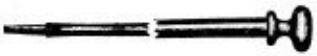
CARPET STRETCHERS.



No. 9—Excelsior, 16 in. wood frame, with wire teeth, japanned malleable iron combined tack hammer and lever, self locking, w't per doz. 18 lbs.....per dozen JFFJ $10.00

ONE IN A BOX.

CARPET STRETCHER HANDLES.



No. 1H—30 in., varnished hardwood, w't per doz. 6 lbs., per dozen .....ABJ $2.50

CARPET STRETCHERS.



No. 5—Polished steel, with socket 3¼ in. blade, w't per doz. 3 lbs., per dozen .....AIJ $4.00

ONE-HALF DOZEN IN A BOX.

POST MAULS.



Japanned Cast Iron, Hickory Handle.

No. 22—W't, without handle, lbs.	10	13
W't per doz. with handles, lbs.	135	171
Per dozen	$6.25	7.50
	CDJ	DAJ

No. 22—W't, without handle, lbs.	16	18
W't per doz. with handles, lbs.	207	231
Per dozen	$9.00	10.00
	DHJ	EDE



Japanned Cast Iron, Wood Faces, Hickory Handle.

No. 23—W't, without handle, lbs.	10	12	14
W't per doz. with handles, lbs.	114	150	190
Per dozen	$9.00	10.00	11.00
	EGJ	FCJ	GBJ

PACKED LOOSE.

POST MAUL FACES.

No. 23½—Extra wood faces for No. 23 post mauls, 3¼ in. diameter, tapering to 3 in., thickness 1½ in., w't per doz. 4 lbs.....per dozen ADD $2.40

PACKED LOOSE.

REVONOC EYE HAMMERS AND SLEDGES.

STRIKING HAMMERS.



REGULAR OR NEVADA PATTERN, Solid Forged Steel, Polished Faces, Oil Finish.

No. 860 REVONOC—			
W't, lbs. ...	3	4	5
Per dozen	$14.40	19.20	18.00
	JCEJ	JDFJ	JCIJ
No. 860 REVONOC—			
W't, lbs. ...	6	7	8
Per dozen	$21.60	25.20	28.80
	JDGJ	JEDF	JFBD
No. 860 REVONOC—			
W't, lbs.	10	12	
Per dozen	$36.00	43.20	
	JGHJ	JICF	



OREGON PATTERN, Solid Forged Steel, Polished Faces, Oil Finish.

No. 870 REVONOC—			
W't, lbs. ...	4	5	6
Per dozen	$19.20	18.00	21.60
	JDFJ	JCIJ	JDGJ
No. 870 REVONOC—			
W't, lbs.	7	8	
Per dozen	$25.20	28.80	
	JEDE	JFBD	
No. 870 REVONOC—			
W't, lbs.	10	12	
Per dozen	$36.00	43.20	
	JGHJ	JICE	

REVONOC STONE SLEDGES.



Solid Forged Steel, Polished Face, Oil Finish.

No. 920 REVONOC—			
W't, lbs. ...	8	10	12
Per dozen	$28.80	36.00	43.20
	JFBD	JGHJ	JICE
No. 920 REVONOC—			
W't, lbs.	14	16	
Per dozen	$50.40	57.60	
	AJIJ	ABEJ	

REVONOC BLACKSMITHS' SLEDGES.



Solid Forged Steel, Cross Pein, Polished Face and Pein, Oil Finish.

No. 1030 REVONOC—			
W't, lbs. ...	4	6	8
Per dozen	$19.20	21.60	28.80
	JDFJ	JDGJ	JFBE
No. 1030 REVONOC—			
W't, lbs.	10	12	
Per dozen	$36.00	43.20	
	JGHJ	JICF	



Solid Forged Steel, Double Face, Oil Finish, Polished Faces.

No. 1060 REVONOC—			
W't, lbs. ...	4	6	8
Per dozen	$19.20	21.60	28.80
	JDFJ	JDGJ	JFBE
No. 1060 REVONOC—			
W't, lbs.	10	12	
Per dozen	$36.00	43.20	
	JGHJ	JICF	
No. 1060 REVONOC—			
W't, lbs.	14	16	
Per dozen	$50.40	57.60	
	AJIJ	ABEJ	

REVONOC MASON'S HAMMERS.



Solid Forged Steel, Polished Ends, Painted Center, Axe Finish.

No. 970 REVONOC—			
W't, lbs.	4	5	
Per dozen	$26.40	30.00	
	JFCE	JGBJ	
No. 970 REVONOC—			
W't, lbs.	6	8	
Per dozen	$36.00	48.00	
	JHFD	AAEJ	

REVONOC BLACKSMITHS' HAND HAMMERS.



ENGLISH PATTERN, Solid Forged Steel, Polished Face, Oil Finish.

No. 2920 REVONOC—			
W't, lbs.	2	3	
Per dozen	$12.00	14.40	
	JBIJ	JCEJ	

REVONOC SHIP OR TOP MAULS.



Solid Forged Steel, Polished Ends, Axe Finish.

No. 1560 REVONOC—			
W't, lbs.	5	6	
Per dozen	$25.20	30.24	
	JFJE	JGBE	

REVONOC RAILROAD MAULS.



Solid Forged Steel, Polished Faces, Oil Finish.

No. 1570 REVONOC—			
W't, lbs. ...	6	8	10
Per dozen	$21.60	28.80	36.00
	JEAE	JFIJ	JHFE

REVONOC TRACK CHISELS.



No. 371 REVONOC — Extra Warranted Forged Steel, Oil Tempered, Size of Body 1⅜ Inches Square, Curved Bit 1¼ Inches, Length About 8½ Inches.

W't, lbs.	4	4½	5
Per dozen ...	$12.00	13.50	15.00
	JDHJ	JEDJ	JFJJ

REVONOC MAULS AND WEDGES.

REVONOC WOOD CHOPPERS' MAULS.



No. 2130 REVONOC, Oregon Pattern, Oval Eye, Solid Forged Steel, Polished Face, Oil Finish.

Use with Sledge Handle.

W't each, lbs.	6	7
Per dozen	$25.92	30.24
	JFBE	JGBE

W't each, lbs.	8	9
Per dozen	$34.56	38.88
	JHCJ	JICE

No. 2131 REVONOC, Oregon Pattern, Axe Eye, Solid Forged Steel, Polished Face, Oil Finish.

Use with D. B. Axe Handle.

W't each, lbs.	6	7
Per dozen	$25.92	30.24
	JFBE	JGBE

W't each, lbs.	8	9
Per dozen	$34.56	38.88
	JHCJ	JICE

IN BULK.

REVONOC COAL MINERS' WEDGES.



No. 2 REVONOC, Solid Forged Steel, Oil Finish.

W't each, lbs.	1½	2	2½
Per dozen	$5.40	7.20	9.00
	AAJ	ADE	AHJ

IN BULK.

REVONOC SAW WEDGES.



No. 45 REVONOC, Forged Steel, Improved Pattern, Oil Finish.

W't each, lbs.	1½	2	2½
Per dozen	$5.40	7.20	9.00
	ABJ	AFJ	BJE

IN BULK.

REVONOC WOOD CHOPPERS' WEDGES.



No. 5 REVONOC, Regular Fluted Pattern, Oil Finish, Forged Steel.

W't each, lbs.	3	3½	4	4½
Per dozen	$3.24	3.78	4.32	4.86
	ABJ	ADJ	AEE	AHJ

W't each, lbs.	5	6	7	8
Per dozen	$5.40	6.48	7.56	8.64
	BJJ	BDJ	BGE	CBJ

IN BULK.

No. 10 REVONOC—Assorted, 3½ to 5 lbs., w't per box about 50 lbs., per box ..... BJE $3.40

WE DO NOT BREAK BOXES.



REGULAR FLUTED PATTERN, Axe Finish, Forged Steel, Painted Red, Polished Bit.

No. 20 REVONOC—Assorted, 3½ to 5 lbs., w't per box about 50 lbs., per box ..... AHJ $3.70

WE DO NOT BREAK BOXES.



No. 15 REVONOC, Truckee Pattern, Forged Steel, Oil Finish.

W't each, lbs.	3	3½	4	4½
Per dozen	$3.78	4.41	5.04	5.67
	ACJ	AEJ	AGE	AIJ

W't each, lbs.	5	6	7	8
Per dozen	$6.30	7.56	8.82	10.08
	BAE	BFJ	CJJ	CEJ

IN BULK.

No. 16 REVONOC—Assorted, 3½ to 5 lbs., w't per box about 50 lbs., per box ..... BJJ $4.00

WE DO NOT BREAK BOXES.



TRUCKEE PATTERN, Forged Steel, Axe Finish, Painted Red, Polished Bit.

No. 18 REVONOC—Assorted, 3½ to 5 lbs., w't per box about 50 lbs., per box ..... BAE $4.50

WE DO NOT BREAK BOXES.

REVONOC WOOD CHOPPERS' WEDGES.



No. 25 REVONOC, Lake Superior Pattern, Forged Steel, Oil Finish.

W't each, lbs.	5	6	7
Per dozen	$21.60	25.92	30.24
	JDCJ	JEBJ	JFAE

IN BULK.



No. 40 REVONOC, Oregon Pattern, Forged Steel, Oil Finish.

W't each, lbs.	4	5	6
Per dozen	$17.28	21.60	25.92
	JCDE	JDCJ	JEBJ

W't each, lbs.	7	8
Per dozen	$30.24	34.56
	JFAE	JFIJ

IN BULK.

REVONOC STAVE WEDGES.



No. 30 REVONOC, Ozark Pattern, Forged Steel, Oil Finish.

W't each, lbs.	3	3½	4
Per dozen	$9.00	10.50	12.00
	JAIE	JBBE	JBFJ

W't each, lbs.	4½	5
Per dozen	$13.50	15.00
	JBJJ	JCBE

IN BULK.

REVONOC TIE WEDGES.



No. 35 REVONOC, Arkansas Pattern, Forged Steel, Oil Finish.

W't each, lbs.	3	3½	4
Per dozen	$9.00	10.50	12.00
	JAGE	JBJJ	JBCJ

W't each, lbs.	4½	5
Per dozen	$13.50	15.00
	JBFJ	JBIJ

IN BULK.

BARS, MAULS, PICKS, ETC.

REVONOC CROW BARS.



No. P REVONOC PINCH POINT, Solid Forged High Carbon Steel, Well Tempered, Oil Finish.

W't each, lbs.	10	12	14
Length, ft. ...	4	4½	4½
Per dozen.....	$8.40	10.08	11.76
	CIE	JDGE	JEEJ

W't each, lbs.	16	18	20
Length, ft. ...	4½	4¾	5
Per dozen.....	$13.44	15.12	16.80
	JFCE	JGAE	JGIJ



No. W REVONOC WEDGE POINT, Solid Forged High Carbon Steel, Well Tempered, Oil Finish.

W't each, lbs.	10	12	14
Length, ft. ...	4	4½	4½
Per dozen.....	8.40	10.08	11.76
	CIE	JDGE	JEEJ

W't each, lbs.	16	18	20
Length, ft. ...	4½	4¾	5
Per dozen.....	$13.44	15.12	16.80
	JFCE	JGAE	JGIJ

PACKED LOOSE.

REVONOC RAILROAD CLAW BARS.



Claw, with Heel, Solid Forged High Carbon Steel, Well Tempered Oil Finish.

No. 515 REVONOC—Length 5½ ft., w't 30 lbs. .....per dozen **BCGE** $36.00

PACKED LOOSE.

REVONOC POST HOLE DIGGING BARS.



Solid Forged High Carbon Steel, Well Tempered, Oil Finish, Tamping Head.

No. 520 REVONOC—Length over all 5½ ft., blade 11½ in. long, 3 in. wide, diam. of bar 1 in., diam. round tamping head 2½ in., w't per doz. 30 lbs., per dozen .....**AJAJ** $16.80

PACKED LOOSE.

REVONOC CARPENTERS' BARS.



Gooseneck, Octagon Tool Steel, Black Finish, with Hardened Claw End and Chisel Top.

Nos.	6	5	4
Diameter, in..	⅝	¾	⅞
Length, in. ...	20	24	30
W't per doz., lbs.	36	39½	51
Per dozen.....	$12.00	13.50	15.00
	JBFE	JBHJ	JCJJ

Nos.	3	2
Diameter, in.	⅞	⅞
Length, in.	30	36
W't per doz., lbs.	65	80
Per dozen	$24.00	27.00
	JCFJ	JDEJ

Just the thing for wrecking old buildings. The claw end will draw any size nails.

PACKED LOOSE.

CAR MOVERS.



No. 500—Beaver, malleable socket, shoe and fittings with double spurs of finest air-hardened tool steel, hardwood handle, length 4½ ft., greatest diam. 2½ in., length over all, 5½ ft., w't each 17 lbs.; each **JCCJ** $5.00

Easy to handle, but powerful in action. Gets under the lowest brakes. Will not slip on icy or greasy rails.

EXTRA SPURS FOR CAR MOVERS.

No. 50—For No. 500 Beaver, ½ in. sq., 1¼ in. long, finest air hardened tool steel, w't per doz. prs. 2½ lbs., per dozen pairs .....**CFJ** $6.00

PACKED LOOSE.

REVONOC COAL MINING PICKS.



No. CM REVONOC Alton Pattern, Common Eared, Oil Finish, Solid Forged Crucible Steel, Well Tempered.

W't each, lbs.....	2	2¼	2½
Per dozen $6.00		6.50	7.00
		CGE	CEJ	CFJ

W't each, lbs.	2¾	3
Per dozen $7.50		8.00
	CGE	CHE

PACKED LOOSE.

REVONOC COAL CUTTING PICKS.



No. CC REVONOC Alton Pattern, Common Eared, Oil Finish, Solid Crucible Steel, Well Tempered.

W't each, lbs.	2½	2¾
Per dozen $7.00		7.50
	CFJ	CGE

W't each, lbs.	3	3¼	3½
Per dozen $8.00		8.50	9.00
	CHE	CIE	DAJ

PACKED LOOSE.

REVONOC COOPERS' FROES.



Round Eye, Extra Quality Forged Steel, Painted Black with Polished Cutting Edge.

No. 10 REVONOC—10 in., w't per doz. 45 lbs.....per dozen **JEHE** $13.50

TWO DOZEN IN A CASE.

MATTOCKS, PICKS AND GRUB HOES.

MATTOCKS.



No. 13.

Adze Eye, One-piece High Carbon, Superior Quality Forged Tool Steel, Green Bronzed, Polished Bits, Extra Well Tempered and Finished.

No. 1½ —Short cutter, light, w't 3 lbs.....per dozen **JGGJ** $16.00

No. 2 —Short cutter, medium, w't 4 lbs.....per dozen **JGGJ** $16.00

No. 3 —Short cutter, heavy, w't 5 lbs.....per dozen **JGGJ** $16.00

No. 13 —Long cutter, heavy, w't 6 lbs.....per dozen **JHAE** $17.00

ONE DOZEN IN A CASE.

REVONOC MATTOCKS.



No. 15.

Adze Eye, Extra Quality Forged Steel, Painted Black, Polished Bits.

No. 3½ REVONOC—Short cutter, light, w't 3 lbs. .....per dozen **JCHE** $16.00

No. 4 REVONOC—Short cutter, medium, w't 4 lbs.....per dozen **JCHE** $16.00

No. 5 REVONOC—Short cutter, heavy, w't 5 lbs.....per dozen **JHIE** $16.00

No. 15 REVONOC—Long cutter, medium, w't 5 lbs.....per dozen **JHIE** $16.00

No. 16 REVONOC—Long cutter, heavy, w't 6 lbs.....per dozen $17.00

TWO DOZEN IN A CASE.

REVONOC PICK MATTOCKS.



No. 140 REVONOC—Adze eye, extra quality forged steel, painted black, polished bit and point, w't 5 lbs., per dozen .....**JCIE** $16.00

TWO DOZEN IN A CASE.

RAILROAD PICKS.



Adze Eye, One-Piece High Carbon Superior Quality Forged Tool Steel, Green Bronzed, Polished Points, Extra Well Tempered and Finished.

No. 40 —Pounds.	4 to 5	5 to 6.
Per dozen.....	$13.00	14.00
	JFBE	**JFGJ**

No. 40 —Pounds.	6 to 7	7 to 8
Per dozen.....	$15.00	16.00
	JGBJ	**JGGJ**

ONE DOZEN IN A CASE.

REVONOC RAILROAD PICKS.

Adze Eye, Extra Quality Forged Steel, Painted Black, Polished Points.

No. 30 REVONOC— Pounds	4 to 5	5 to 6	6 to 7
Per dozen.....	$13.00	14.00	15.00
	JCAJ	**JCCE**	**JCFJ**

No. 30 REVONOC—Pounds	7 to 8	8 to 9
Per dozen.....	$16.00	18.00
	JCHE	**JDCJ**

TWO DOZEN IN A CASE.

REVONOC ORE PICKS.



No. 35 REVONOC—Adze eye, extra quality forged steel, painted black, polished points, weights assorted 6 to 7 lbs., per dozen .....**JCFJ** $15.00

TWO DOZEN IN A CASE.

REVONOC DRIFTING PICKS.



Extra Quality Forged Steel, Painted Black, Polished Points.

Nos.	2	3	4
W't, lbs.	4	4½	5
Per dozen.....	$14.00	15.00	16.00
	JCCE	**JCFJ**	**JCHE**

TWO DOZEN IN A CASE.

REVONOC POLL PICKS.



Extra Quality Forged Steel, Painted Black, Polished Points.

Nos.	1	2
W't, lbs.	3½	4
Per dozen.....	$15.00	16.00
	JCFJ	**JCHE**

TWO DOZEN IN A CASE.

GRUB HOES.



Adze Eye, One-Piece High Carbon, Superior Quality Forged Tool Steel, Green Bronzed, Polished Bit, Extra Well Tempered and Finished.

Nos.	0	1	2
Width of bit, in.	3½	3¾	4
W't, lbs.	3	3½	4
Per dozen ..	$12.50	13.00	13.50
	JFJJ	**JFBE**	**JFEJ**

ONE DOZEN IN A CASE.

REVONOC GRUB HOES.

Adze Eye, Extra Quality Forged Steel, Painted Black, Polished Bit.

Nos.	0	1	2
Width of bit, in.	3½	3¾	4
W't, lbs.	3	3½	4
Per dozen ...	$12.50	13.00	13.50
	JCJJ	**JCAJ**	**JCBE**

TWO DOZEN IN A CASE.

REVONOC HAZEL HOES.



Adze Eye, Extra Quality Forged Steel, Painted Black, Polished Bit.

No. 54 REVONOC—Round eye, width of bit 6 in., w't 3 lbs., per dozen .....**JEAE** $16.00

TWO DOZEN IN A CASE.

HANDLES.

HICKORY HANDLES.

Genuine hand shaved with a drawknife, in the old-fashioned way, from the finest split butt cuts of second growth northern hickory, clear white, straight grained, springy, thoroughly seasoned, beautifully proportioned, carefully belted and waxed. Nothing finer can be made.



Shaving HVD Handles from Split Billets.

OAK HANDLES.

The finest oak handles obtainable. Made from selected butt cuts of second growth "Blue Oak," of a beautiful dark color, straight grained, strong and flexible. One of our most popular lines.

SINGLE BITTED AXE.



Second Growth Hickory, Hand Shaved.

No. 040 HVD—Oval, regular, 36 in., w't per doz. 27 lbs., per dozen .....JEAJ $10.60

ONE DOZEN IN A CASE.



Second Growth Hickory, Hand Shaved.

No. 045 HVD—Octagon, regular, 36 in., w't per doz. 27 lbs., per dozen .....JEAJ $10.60

ONE DOZEN IN A CASE.

DOUBLE BITTED AXE.



Second Growth Hickory, Hand Shaved.

No. 060 HVD—Oval, regular, 36 in., w't per doz. 27 lbs., per dozen .....JEAJ $10.60

ONE DOZEN IN A CASE.

SLEDGE OR MAUL.



Second Growth Hickory, Hand Shaved.

No. 030 HVD—Oval, slim neck, length 30 in., w't per doz. 17 lbs. per dozen .....CJE $6.50

No. 036 HVD—Oval, slim neck, length 36 in., w't per doz. 23 lbs., per dozen .....CCE $7.40

ONE DOZEN IN A CARTON.

ADZE EYE NAIL HAMMER.



Second Growth Hickory.

No. 013 HVD—Length 13 in., adapted for sizes 2 and 3 hammers, w't per doz. 4½ lbs. ...per dozen JIE $2.30

No. 014 HVD—Length 14 in., adapted for sizes 1 and 1½ hammers, w't per doz. 5½ lbs. ...per dozen JIE $2.30

ONE DOZEN IN A CARTON.

REGULAR HATCHET.



Second Growth Hickory.

No. 02 HVD—Length 14 in., w't per doz. 5½ lbs. ....per dozen JIE $2.30

ONE DOZEN IN A CARTON.

BROAD HATCHET.



Second Growth Hickory.

No. 06 HVD—Length 17 in., w't per doz. 8 lbs. .....per dozen ACJ $2.80

ONE DOZEN IN A CARTON.

SINGLE BITTED AXE.



Second Growth "Blue Oak."

No. 70 REVONOC—Oval, regular 36 in., w't per doz. 25 lbs., per dozen .....BIJ $7.00

ONE DOZEN IN A CASE.



Second Growth "Blue Oak."

No. 80 REVONOC—Oval, straight, slim, 36 in., w't per doz. 22 lbs., per dozen .....BIJ $7.00

ONE DOZEN IN A CASE.

DOUBLE BITTED AXE.



Second Growth "Blue Oak."

No. 85 REVONOC—Oval, regular, 36 in., w't per doz. 22 lbs., per dozen .....BIJ $7.00

No. 90 REVONOC—Oval, slim, 36 in., w't per doz. 20 lbs., per dozen BIJ $7.00

ONE DOZEN IN A CASE.

REVONOC HICKORY HANDLES.

Shaved From Select, Clear White Second Growth Hickory, Straight Grained and Carefully Seasoned and Finished. The Peer of Any Highest Grade Handles Except the REVONOC.

SINGLE BITTED AXE.



Second Growth Hickory, Hand Shaved Finish.
No. 40 REVONOC—Oval, regular, 36 in., w't per doz. 24 lbs., per doz. DBJ $9.20



Second Growth Hickory, Hand Shaved Finish.
No. 45 REVONOC—Octagon, regular, 36 in., w't per doz. 22 lbs., per dozen ..... DBJ $9.20
ONE DOZEN IN A CASE.

DOUBLE BITTED AXE.



Second Growth Hickory, Hand Shaved Finish.
No. 60 REVONOC—Oval, regular, 36 in., w't per doz. 25 lbs., per doz. DBJ $9.20
ONE DOZEN IN A CASE.

RAILROAD PICK.



Second Growth Hickory, Hand Shaved Finish.
No. 17 REVONOC—Oval, length 36 in., w't per doz. 30 lbs., per dozen FCJ $9.00
TWO DOZEN IN A CRATE.

COAL PICK.



Second Growth Hickory, Hand Shaved Finish.
No. 18 REVONOC—Oval, length 34 in., w't per doz. 25 lbs., per dozen CCJ $12.50
TWO DOZEN IN A CRATE.

SLEDGE, OR MAUL.



REVONOC
Oval, Slim Neck, Second Growth Hickory, Hand Shaved Finish.

Nos.	30	32	34	36
Length, in..	30	32	34	36
W't per doz., lbs.	17	18	20	25
Per dozen	$6.50	6.50	7.40	7.40
	BGJ	BGJ	CJJ	CJJ



Octagon, Slim Neck, Second Growth Hickory, Hand Shaved Finish.
No. 36X REVONOC—Length 36 in., w't per doz. 25 lbs. ....per dozen CJJ $7.40
ONE DOZEN IN A CARTON.

ADZE EYE NAIL HAMMER.



Second Growth Hickory.

Nos.	N11	N12	N13
For hammers	4	3	2
Length, in.	11	12	13
W't per doz., lbs.	3	3½	4½
Per dozen	$2.30	2.30	2.30
	JIJ	JIJ	JIJ

Nos.	N14	N15
For hammers	1½	1
Length, in.	14	15
W't per doz., lbs.	5¼	6½
Per dozen	$2.30	2.30
	JIJ	JIJ

ONE DOZEN IN A CARTON.

ADZE EYE FARRIERS' HAMMER.



Second Growth Hickory.
No. F14 REVONOC—Length 14 in., w't per doz. 5 lbs. .....per dozen JIJ $2.30
ONE DOZEN IN A CARTON.

RIVETING HAMMER.



REVONOC
Second Growth Hickory.

Nos.	R11	R12	R13	R15
For hammers	0	1	2	3 & 4
Length, in..	11	12	13	15
W't per doz., lbs.	2½	2¾	3¼	3¼
Per dozen	$2.30	2.30	2.30	2.30
	JIJ	JIJ	JIJ	JIJ

No. R11 fits No. 4/0 Machinists' Hammers, No. R12 fits No. 3/0, and No. R13 fits No. 2/0.
ONE DOZEN IN A CARTON.

MACHINISTS' HAMMER.



REVONOC
Second Growth Hickory.

Nos.	M14	M16	M18	M20
For hammers	0	1	2 & 3	4 & 5
Length, in..	14	16	18	20
W't per doz., lbs.	4½	5½	6¾	7¾
Per dozen	$2.30	2.50	2.80	3.20
	JIJ	AJJ	AAE	ADJ

ONE DOZEN IN A CARTON.

BLACKSMITHS' HAMMER.



REVONOC
Second Growth Hickory.

Nos.	B14	B16	B18
For hammers	0	1	2
Length, in.	14	16	18
W't per doz., lbs.	6	6¾	8
Per dozen	$2.30	2.50	2.80
	JIJ	AJE	AAE

Nos.	B20	B24
For hammers	3	4 & 5
Length, in.	20	24
W't per doz., lbs.	9	11½
Per dozen	$3.20	5.30
	ADJ	BAJ

ONE DOZEN IN A CARTON.

STONE MASONS' HAMMER.



Second Growth Hickory.
No. SM16 REVONOC—Length 16 in., w't per doz. 7 lbs. .....per dozen AJJ $2.50
ONE DOZEN IN A CARTON.

TACK OR UPHOLSTERERS' HAMMER.



Second Growth Hickory.
No. T12 REVONOC—Length 11½ in., w't per doz. 2 lbs. ..per dozen JIJ $2.30
ONE DOZEN IN A CARTON.

STRIKING HAMMER.



Second Growth Hickory.
No. S15 REVONOC—Length 15 in., w't per doz. 5½ lbs. ....per dozen JIJ $2.30
ONE DOZEN IN A CARTON.

REGULAR HATCHET.



REVONOC
Second Growth Hickory.

Nos.	1	2	3
Length, in.	13	14	15
W't per doz., lbs.	5	5½	6¼
Per dozen	$2.30	2.30	2.30
	JIJ	JIJ	JIJ

ONE DOZEN IN A CARTON.

UNDERHILL PATTERN LATHING HATCHET.



Second Growth Hickory.
No. 4 REVONOC—Length 13 in., w't per doz. 5½ lbs. ....per dozen AJJ $2.50
ONE DOZEN IN A CARTON.

ADZE EYE HATCHET.



Second Growth Hickory.
No. 5 REVONOC—Length 13 in., w't per doz. 4½ lbs. ....per dozen AJJ $2.50
ONE DOZEN IN A CARTON.

BROAD HATCHET.



REVONOC
Second Growth Hickory.

Nos.	5½	6	7
For hatchets	2	3 & 4	5 & 6
Length, in.	16	17	18
W't per doz., lbs.	7½	8	8½
Per dozen	$2.50	2.80	3.40
	ABJ	ACJ	AEJ

ONE DOZEN IN A CARTON

HUNTERS' AXE



Second Growth Hickory
No. 8 REVONOC—Length 14 in., w't per doz. 6 lbs. .....per dozen JIE $2.30



Second Growth Hickory.
No. 8½ REVONOC—For Scout Axes, length 14 in., w't per doz. 6 lbs., per dozen ..... JIE $2.30
ONE DOZEN IN A CARTON.

DERRICK HATCHET.



Second Growth Hickory.
No. 9 REVONOC—Length 18 in., w't per doz. 9 lbs. .....per dozen AGE $3.40
ONE DOZEN IN A CARTON.

HIB-SPE-BAR HANDLES.

HICKORY.

Good quality white hickory, machine made, shaved eye, well finished, labeled and packed. A big value at a small price.

OAK.

A grade sold by many as "the best." Second only to the [illegible] Oak. Good quality, handsome, dark oak, well finished and durable.

SINGLE BITTED HICKORY AXE.



White Hickory, Shaved Eye.

No. 11½—Oval, regular, plain end, 33 in., w't per doz. 20 lbs., per dozen .....BIJ $8.60

No. 11¼—Boys', oval, plain end, 28 in., w't per doz. 18 lbs. per dozen .....BCJ $5.80

No. 11—Oval, regular, plain end, 36 in., w't per doz. 22 lbs., per dozen .....BIJ $8.60

No. 22—Oval, slim, plain end, 36 in., w't per doz. 20 lbs., per dozen .....BIJ $8.60

ONE DOZEN IN A CARTON.



White Hickory, Shaved Eye.

No. 77—Oval, straight, slim, plain end, 36 in., w't per doz. 20 lbs., per dozen .....BIJ $8.60

ONE DOZEN IN A CARTON.



White Hickory, Shaved Eye.

No. 33—Octagon, regular, plain end, 36 in., w't per doz. 22 lbs., per dozen .....BIJ $8.60

ONE DOZEN IN A CARTON.



White Hickory, Shaved Eye.

No. 88—Oval, regular, scroll end, 36 in., w't per doz. 22 lbs., per dozen .....CJE $9.40

No. 99—Octagon, regular, scroll end, 36 in., w't per doz. 22 lbs., per dozen .....CJE $9.40

ONE DOZEN IN A CARTON.

DOUBLE BITTED HICKORY AXE.



White Hickory, Shaved Eye.

No. 44½—Oval, regular, 33 in., w't per doz. 20 lbs. ....per dozen BIJ $8.60

No. 44—Oval, regular, 36 in., w't per doz. 22 lbs. ....per dozen BIJ $8.60

No. 66—Oval, slim, 36 in., w't per doz. 22 lbs. .....per dozen BIJ $8.60

ONE DOZEN IN A CORRUGATED STRAWBOARD CASE.



White Hickory, Shaved Eye.

No. 55—Octagon, regular, 36 in., w't per dozen 22 lbs., per dozen .....BGJ $8.60

ONE DOZEN IN A CARTON.

SINGLE BITTED OAK AXE.



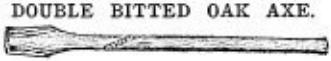
No. 111—Oval, regular, 36 in., w't per doz. 22 lbs. ....per dozen BCJ $5.20



No. 177—Oval, straight, slim, 36 in., w't per doz. 22 lbs., per dozen .....BCJ $5.20

ONE DOZEN IN A CARTON.

DOUBLE BITTED OAK AXE.



No. 144—Oval, regular, 36 in., w't per doz. 22 lbs. .....per dozen BCJ $5.20

No. 166—Oval, slim, 36 in., w't per doz. 22 lbs. .....per dozen BCJ $5.20

ONE DOZEN IN A CARTON.

REVERSIBLE BROAD AXE.

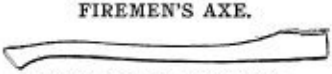


White Hickory.

No. 128—Length 28 in., w't per doz. 22 lbs. .....per dozen CCE $8.60

ONE DOZEN IN A CARTON.

FIREMEN'S AXE.

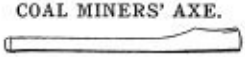


White Hickory, Shaved Eye.

No. 126—Oval, extra heavy, 36 in., w't per dozen 26 lbs., per dozen .....CJJ $9.60

ONE DOZEN IN A CARTON.

COAL MINERS' AXE.



White Hickory.

No. 127—Oval, straight, 26 in., w't per dozen 18 lbs. ....per dozen AGJ $5.80

ONE DOZEN IN A CARTON.

CARPENTERS' ADZE.

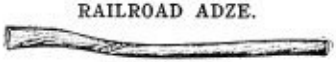


White Hickory.

No. 115—Oval, 34 in., w't per doz. 22 lbs. .....per dozen CCJ $8.60

ONE DOZEN IN A CARTON.

RAILROAD ADZE.



White Hickory.

No. 116—Oval, 34 in., w't per doz. 22 lbs. .....per dozen CCJ $8.60

ONE DOZEN IN A CARTON.

RAILROAD PICK.



White Hickory.

No. 117—Oval, 36 in., w't per doz. 30 lbs. .....per dozen CFJ $9.10

TWO DOZEN IN A CRATE.

DRIFTING PICK.



White Hickory.

No. 119—Oval, 34 in., w't per doz. 25 lbs. .....per dozen BIJ $6.00

ONE DOZEN IN A CARTON.

POLL PICK.



White Hickory.

No. 121—Oval, 34 in., w't per doz. 25 lbs. .....per dozen BIJ $6.00

ONE DOZEN IN A CARTON.

OVAL SLEDGE.



White Hickory.

Nos.	130	132	134	136
Length, in..	30	32	34	36
W't per doz., lbs.	16	16½	18	20
Per dozen ..	$5.60	5.60	6.70	6.70
	AGE	AGE	AIJ	AIJ

ONE DOZEN IN A CARTON.

ADZE EYE NAIL HAMMER.



White Hickory.

No. N113—Length 13 in., for size 2 hammers, w't per doz. 5 lbs., per dozen .....JHJ $1.75

No. N114—Length 14 in., for size 1½ hammers, w't per doz. 5 lbs., per dozen .....JHJ $1.75

ONE DOZEN IN A CARTON.

REGULAR HATCHET.



White Hickory.

No. 102—Length 14 in., w't per doz. 4½ lbs. .....per dozen JHJ $1.75

ONE DOZEN IN A CARTON.

HANDLES.

TWO-BITS, good value practically white hickory, the best quality which can be offered at "two-bits" retail.

IL-A-NOY, a splendid value of medium grade, strong, durable timber, partly red but well seasoned and finished. Will give service equal to many better looking, higher priced handles.

CRUSO, next in rank to the "Il-a-noy." Good strong hickory, but largely red wood. All right for ordinary use and a splendid value at the price. These are not the lowest grade on the market as we do not carry the "culls" or unserviceable handles offered by some makers.

SINGLE BITTED AXE.



TWO-BITS, Hickory.

No. 540—Oval, regular, 36 in., w't per doz. 22 lbs. ....per dozen **BEJ** $7.60

No. 545—Octagon, regular, 36 in., w't per doz. 22 lbs., per dozen **BEJ** $7.60

IL-A-NOY, Hickory.

No. 240X—Oval, regular, 36 in., w't per doz. 22 lbs. .....per dozen **BJE** $6.50

No. 241X—Boys', oval, 28 in., w't per doz. 18 lbs. .....per dozen **ADJ** $4.20

CRUSO, Hickory.

No. C340—Oval, regular, 36 in., w't per doz. 22 lbs. .....per dozen **AEJ** $4.45

ONE DOZEN IN A CARTON.

DOUBLE BITTED AXE.



TWO-BITS, Hickory.

No. 560—Oval, regular, 36 in., w't per doz. 22 lbs. ....per dozen **BEJ** $7.60

IL-A-NOY, Hickory.

No. 260—Oval, regular, 36 in., w't per doz. 22 lbs. .....per dozen **BJE** $6.50

ONE DOZEN IN A CARTON.

RAILROAD PICK.



TWO-BITS, Hickory.

No. 517—Oval, 36 in., w't per doz. 30 lbs., per dozen .....**BEJ** $7.70

IL-A-NOY, Hickory.

No. 217—Oval, 36 in., w't per doz. 30 lbs. .....per dozen **BAJ** $7.70

CRUSO, Hickory.

No. C317—Oval, 36 in., w't per doz. 30 lbs. .....per dozen **AHJ** $5.10

TWO DOZEN IN A CRATE.

COAL PICK.



TWO-BITS, Hickory.

No. 518—Oval, 34 in., w't per doz. 25 lbs., per dozen .....**BEJ** $7.90

IL-A-NOY, Hickory.

No. 218—Oval, 34 in., w't per doz. 25 lbs. .....per dozen **ADE** $3.80

CRUSO, Hickory.

No. C318—Oval, 34 in., w't per doz. 25 lbs. .....per dozen **ABE** $3.00

ONE DOZEN IN A CARTON.

OVAL SLEDGE.



TWO-BITS, Hickory.

No. 536—36 in., w't per doz. 20 lbs., per dozen .....**BEJ** $7.40

IL-A-NOY, Hickory.

No. 230-X—30 in., w't per doz. 16 lbs., per dozen .....**ADJ** $4.00

No. 236-X—36 in., w't per doz. 20 lbs., per dozen .....**AFJ** $5.00

CRUSO, Hickory.

No. C330—30 in., w't per doz. 16 lbs., per dozen .....**AAJ** $2.70

No. C336—36 in., w't per doz. 20 lbs., per dozen .....**ACJ** $3.00

ONE DOZEN IN A CARTON.

GRUB HOE.



CRUSO, Hickory.

No. C321—Oval, straight, 36 in., w't per doz. 25 lbs., per dozen **BJJ** $5.10

ONE DOZEN IN A CARTON.

POST MAUL.



CRUSO, Hickory.

No. C323—Oval, 36 in., w't per doz. 22 lbs. .....per dozen **ADE** $4.00

ONE DOZEN IN A CARTON.

ADZE EYE NAIL HAMMER.



IL-A-NOY, Hickory.

Nos.	N212	N213
For hammers	3	2
Length, in.	12	13
W't per doz., lbs.	3½	4½
Per dozen	$1.10	1.10
	JEE	JEE

Nos.	N214	N215
For hammers	1½	1
Length, in.	14	15
W't per doz., lbs.	5¼	6½
Per dozen	$1.10	1.10
	JEE	JEE

ONE DOZEN IN A CARTON.

RIVETING HAMMER.



IL-A-NOY, Hickory.

Nos.	R212	R213	R215
For hammers	3	2	1
Length, in.	12	13	15
W't per doz., lbs.	2¾	3¼	3¾
Per dozen	$1.10	1.10	1.10
	JEE	JEE	JEE

ONE DOZEN IN A CARTON.

MACHINISTS' HAMMER.



IL-A-NOY, Hickory.

Nos.	M214	M216	M218	M220
For hammers	0	1	2	3
Length, in.	14	16	18	20
W't per doz., lbs.	4½	5½	6¾	7¾
Per dozen	$1.10	1.20	1.30	1.60
	JEE	JFJ	JGJ	JHE

ONE DOZEN IN A CARTON.

BLACKSMITHS' HAMMER.



IL-A-NOY, Hickory.

Nos.	B216	B218
For hammers	1	2
Length, in.	16	18
W't per doz., lbs.	6¾	8
Per dozen	$1.20	1.30
	JFJ	JGJ

Nos.	B220	B224
For hammers	3	4 & 5
Length, in.	20	24
W't per doz., lbs.	9	11
Per dozen	$1.60	2.00
	JHE	AAJ

ONE DOZEN IN A CARTON.

REGULAR HATCHET.



IL-A-NOY, Hickory.

Nos.	201	202	203
Length, in.	13	14	15
W't per doz., lbs.	4¼	4½	6
Per dozen	$1.10	1.10	1.10
	JEE	JEE	JEE

ONE DOZEN IN A CARTON.

BROAD HATCHET.



IL-A-NOY, Hickory.

No. 206—Length 17 in., w't per doz. 8 lbs. .....per dozen **JGJ** $1.50

No. 207—Length 18 in., w't per doz. 8½ lbs. .....per dozen **JHE** $1.75

ONE DOZEN IN A CARTON.

SPOKE SHAVES AND WOOD CARVING SETS.

IRON.



No. 1—9 in. japanned straight handle, 1⅜ in. cast steel cutter, w't per doz. 5½ lbs.....per dozen **AEJ** $2.25
ONE-HALF DOZEN IN A BOX.



No. 63—Bailey's, 9 in. straight handle, japanned, 1¾ in. single cutter, w't per dozen 4⅜ lbs., per doz. **AEJ** $2.25
ONE-HALF DOZEN IN A BOX.



No. 2—10 in. japanned raised handle, 2⅛ in. cast steel cutter, w't per doz. 8 lbs.....per dozen **BDJ** $3.00
ONE-HALF DOZEN IN A BOX.



No. 3—10 in. japanned straight handle, 2 cast steel cutters 1¼x1¼ in., w't per doz. 7 lbs.....per dozen **CAJ** $4.50
ONE-HALF DOZEN IN A BOX.



No. 55—Bailey's, 10 in. japanned raised handle, double iron, hollow face, 2⅛ in. cast steel cutter, w't per doz. 7¾ lbs.....per dozen **BCE** $3.00
ONE-HALF DOZEN IN A BOX.



No. 52—Bailey's, 10 in. japanned straight handle, double iron, 2⅛ in. cast steel cutter, w't per doz. 7¾ lbs., per dozen .....**BFE** $3.50
Extra Irons, for No. 52, per dozen .....**JHJ** $1.00
ONE-HALF DOZEN IN A BOX.

IRON.



No. 53—Bailey's, 10 in. japanned raised handle, 2⅛ in. adjustable cast steel cutter, w't per doz. 9 lbs., per dozen .....**CCE** $4.50



No. 54—Bailey's, 10 in. japanned straight handle, 2⅛ in. adjustable cast steel cutter, w't per doz. 8 lbs., per dozen .....**CCE** $4.50
ONE-HALF DOZEN IN A BOX.

WOOD.



No. 4—10 in. beechwood handle, 2⅛ in. cast steel cutter, w't per doz. 2½ lbs., per dozen .....**CBE** $5.00

No. 5—11 in beechwood handle, 3 in. cast steel cutter, w't per doz. 3¼ lbs., per dozen .....**CHJ** $6.00



No. 8—10½ in. beechwood handle, 2½ in. cast steel cutter, brass set screws, w't per doz. 3¼ lbs., per dozen .....**JIJJ** $14.50
ONE-HALF DOZEN IN A BOX.

UNIVERSAL.



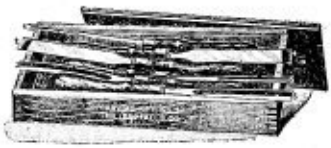
No. 67—Stanley's Improved, nickel plated, rosewood handle, for curved or straight work, length 9½ in., w't per doz. 10 lbs., per dozen .....**ACGJ** $18.00

This spoke shave has two detachable bottoms, adapting it equally well to circular work or straight; and, by means of a movable width-gauge, the tool can be used in rabbeting. Both handles are detachable, and either of them can be screwed into a socket on top of the stock, thus making it possible to work into corners or panels as no other spoke shave can do.

WOOD CARVING SETS.



No. 1—6¼x3½ in. varnished case, containing one each U tool, scraper, bevel chisel, V tool, curved gouge and straight chisel, tool steel blades, cocobolo handles, length over all 5½ in., w't per set ¾ lbs., per set **AJJ** $1.50



No. 2—9x3½ in. varnished case, containing one each V tool, bevel chisel, curved gouge, straight chisel, U tool and straight gouge, tool steel blades, cocobolo handles, length over all 8½ in., w't per set 1 lb., per set .....**AEE** $2.00



No. 3—10x8½ in. case, nicely finished, containing twelve carving tools and one punch, blades of best grade steel, nicely finished, carefully tempered and sharpened, cocobola handles, length over all 8¼ in., w't per set 3½ lbs. .....per set **EJJ** $7.50

This set is designed for manual training schools and for amateurs generally.

CHISELS.

SOCKET FIRMER.



Beveled, Solid Cast Steel, Full Polished, Leather Capped Hickory Handles.

No. 225 —In sets of 12, one each from ⅛ to 2 in., ground sharp and set ready for use, packed one set in a polished and oiled hinged dovetailed box, w't per set 10 lbs.,
per set.....**JEGE** $28.50



Beveled, Solid Cast Steel, Full Polished, Leather Capped Handles.

No. 235 —In sets of 12, one each from ⅛ to 2 in., ground sharp, packed in nicely finished double cover hinged dovetailed box, size 16x5½x6½ in., w't per set 12 lbs.,
per set .....**JEGE** $28.50

SOCKET FIRMER.



Beveled, Extra Cast Steel, Full Polished, Leather Capped Hickory Handle.

No. 15 —Inches	⅛	¼	⅜	½
W't per doz., lbs.	3½	4	4½	5
Per dozen	$14.00	14.00	14.00	14.00
	JCGE	**JCGE**	**JCGE**	**JCGE**
No. 15 —Inches	⅝	¾	⅞	1
W't per doz., lbs.	6½	7	7½	8
Per dozen	$15.50	16.00	18.00	18.50
	JDJJ	**JDBJ**	**JDFJ**	**JDGJ**
No. 15 —Inches	1¼	1½	1¾	2
W't per doz., lbs.	10½	12	14	15
Per dozen	$20.50	22.00	24.00	25.00
	JEAE	**JEDE**	**JEIJ**	**JFBJ**

No. 1215 —Sets of 12, one each of above, 12, packed one set in canvas roll, w't 8 lbs. .....per set **JECJ** $18.50
No. 1115 —Slide cover wood box, w't 8 lbs., otherwise same as No. 1215 .....per set **JDGJ** $18.50
SINGLE SIZES ONE-HALF DOZEN IN A BOX.

SPECIAL TANGED FIRMER.



Extra Wide Bevel, High Grade Steel, Fancy Applewood Handle.

No. 130 —Inches	⅛	¼	⅜	½	⅝
W't per doz., lbs.	2⅝	2¾	3	4½	2⅞
Per dozen	$14.00	14.00	14.00	14.00	15.50
	JCIJ	**JCIJ**	**JCIJ**	**JDAJ**	**JDBE**
No. 130 —Inches	¾	⅞	1		1¼
W't per doz., lbs.	4⅝	4¾	5¾		6½
Per dozen	$16.00	18.00	18.50		20.50
	JDDE	**JEAE**	**JECE**		**JFDJ**
No. 130 —Inches		1½	1¾		2
W't per doz., lbs.		7¼	8½		10½
Per dozen		$22.00	24.00		25.00
		JGBJ	**JHGJ**		**JIFE**

ONE-HALF DOZEN IN A BOX.

SOCKET FIRMER.



Plain, Extra Cast Steel, Full Polished, Leather Capped Hickory Handle.

No. 20 —Inches	⅛	¼	⅜	½
W't per doz., lbs.	3½	4	4½	5
Per dozen	$14.00	14.00	14.00	14.00
	JCJJ	**JCJJ**	**JCJJ**	**JCJJ**
No. 20 —Inches	⅝	¾	⅞	1
W't per doz., lbs.	6½	7	7½	8
Per dozen	$15.50	16.00	18.00	18.50
	JCCE	**JCDE**	**JCIJ**	**JDJJ**
No. 20 —Inches	1¼	1½	1¾	2
W't per doz., lbs.	10½	12	14	15
Per dozen	$20.50	22.00	24.00	25.00
	JDDE	**JDGE**	**JEBJ**	**JEDJ**

No. 1220 —Sets of 12, one each of above, 12, packed one set in a canvas roll, w't 8 lbs. .....per set **JDFJ** $18.50
No. 1120 —Sets of 12, one each of above, 12, packed one set in a wood box with slide cover, w't 8 lbs.,
per set .....**JDJJ** $18.50
SINGLE SIZES ONE-HALF DOZEN IN A BOX.

TANGED BUTT.



Beveled, Solid Cast Steel, 3¾ Inch Blade, Round Shank, Full Polished, Heavy Brass Ferrule, Leather Capped Hardwood Handle.

No. 213 —Inches	¼	⅜	½	⅝
W't per doz., lbs.	2⅝	3⅛	3½	3⅝
Per dozen	$14.00	14.00	14.00	15.50
	JCAJ	**JCBE**	**JCEE**	**JCGE**
No. 213 —Inches	¾	⅞	1	1¼
W't per doz., lbs.	4	4½	4⅝	5
Per dozen	$16.00	18.00	18.50	20.50
	JCIJ	**JDJE**	**JDDJ**	**JEBJ**
No. 213 —Inches	1½	1¾	2	
W't per doz., lbs.	5¾	6½	7	
Per dozen	$22.00	24.00	25.00	
	JEGJ	**JFFE**	**JGFJ**	

No. 1213 —Sets of 11 No. 213 Chisels, sizes ¼ to 2 in., in canvas rolls, w't per set 2¼ lbs.,
per set .....**JEAJ** $18.50
No. 1206 —One each No. 213, ¼, ½, ¾, 1, 1¼, 1½ in., in canvas roll, w't per set 1¼ lbs. .....per set **BIJ** $9.00
ONE-HALF DOZEN IN A BOX.

SOCKET BUTT.



Beveled, Extra Steel, Full Polished, Leather Capped Hickory Handle.

No. 315 —Inches	⅛	¼	⅜	½
W't per doz., lbs.	3	3½	4	4½
Per dozen	$14.00	14.00	14.00	14.00
	JCGJ	**JCGJ**	**JCGJ**	**JCGJ**
No. 315 —Inches ...	⅝	¾	⅞	1
W't per doz., lbs.	4½	4⅞	5	5⅛
Per dozen	$15.50	16.00	18.00	18.50
	JCIE	**JDJE**	**JDEJ**	**JDFJ**
No. 315 —Inches ...	1¼	1½	1¾	2
W't per doz., lbs.	6½	7¾	8¾	9½
Per dozen	$20.50	22.00	24.00	25.00
	JEJE	**JECE**	**JEHJ**	**JFJJ**

No. 1315 —Sets of 12 No. 315 Chisels, sizes ⅛ to 2 in., in canvas rolls, w't per set 5¼ lbs.,
per set .....**JEGE** $18.50
No. 1306 —One each, No. 315, ¼, ½, ¾, 1, 1¼, 1½ in., in canvas roll, w't per set 2⅛ lbs. .....per set **CAJ** $9.00
ONE-HALF DOZEN IN A BOX.

CHISELS AND CHISEL ROLLS.

Solid Handle Chisels, Beveled Edge, Polished Blade, Stained Handle. Blade, Shank and Head are One Piece of Solid Steel. Blade is Forged from One End of Steel Rod which Goes Entirely Through the Handle, the Other End Being "Up Set" to Form the Head. A Leather Washer is Placed Under Head to Act as a Cushion. With This Form of Construction the Full Power of the Blow is Transferred From the Head to the Cutting Edge.



No. 400—Pocket Chisel, 4½ in. blade, all sizes—

Inches	⅛	¼	⅜	½	⅝	¾
W't per doz., lbs.	3½	4	4½	5	5½	5¾
Per dozen	$15.00	15.50	16.40	17.30	18.70	19.60
	JDGJ	JDHJ	JEJE	JECE	JEGE	JFAE

Inches	⅞	1	1¼	1½	1¾	2
W't per doz., lbs.	6	6½	9	10	11½	13
Per dozen	$21.50	22.60	24.90	27.20	29.60	32.50
	JFFJ	JFIE	JGGJ	JHDJ	JIAJ	AJJJ

No. 412—Sets of 12, contain one each of No. 400 packed one set in canvas roll, w't 9 lbs ..... per set JGBJ $22.50



No. 500—Butt Chisels, 3 in. blade, all sizes—

Inches	¼	⅜	½	⅝	¾	⅞
W't per doz., lbs.	4	4½	4½	4¾	5	5½
Per dozen	$15.50	16.40	17.30	18.70	19.60	21.50
	JDHJ	JEJE	JECE	JEGE	JFAE	JFFJ

Inches	1	1¼	1½	1¾	2
W't per doz., lbs.	6	8	9	10½	12
Per dozen	$22.60	24.90	27.20	29.60	32.50
	JFIE	JGGJ	JHDJ	JIAJ	AJJJ

No. 506—Sets of six contain one each No. 500, ¼, ½, ¾, 1, 1¼ and 1½ in., w't 4½ lbs. ..... per set JCHE $11.50

SOCKET FIRMER CHISELS.



Beveled Edge, Extra Cast Steel, Full Polished, Mahogany Stained Leather Tipped Handle.

Inches	⅛	¼	⅜
W't per doz., lbs.	3½	4	4½
Per dozen	$14.00	14.00	14.00
	JCDE	JCDE	JCDE

Inches	½	⅝	¾
W't per doz., lbs.	5	6½	7
Per dozen	$14.00	15.50	16.00
	JCDE	JCHJ	JDJJ

Inches	⅞	1	1¼
W't per doz., lbs.	7½	8	10½
Per dozen	$18.00	18.50	20.50
	JDBJ	JDCJ	JDFJ

Inches	1½	1¾	2
W't per doz., lbs.	12	14	15
Per dozen	$22.00	24.00	25.00
	JDIJ	JEBE	JEEJ

SINGLE SIZES, ONE-HALF DOZEN IN A BOX.

No. 115—Sets of 12, one each of above packed in a wood box with slide cover, w't 8 lbs., per set ..... JDDJ $18.50

SOCKET BUTT CHISELS.



Beveled Edge, Extra Cast Steel, Full Polished, Mahogany Stained Leather Tipped Handle.

Inches	⅛	¼	⅜
W't per doz., lbs.	3	3¼	4
Per dozen	$14.00	14.00	14.00
	JCCJ	JCCJ	JCCJ

Inches	½	⅝	¾
W't per doz., lbs.	4¼	4¼	4¾
Per dozen	$14.00	15.50	16.00
	JCCJ	JCFJ	JCHJ

Inches	⅞	1	1¼
W't per doz., lbs.	5	5¼	6¼
Per dozen	$18.00	18.50	20.50
	JDAJ	JDBJ	JDEJ

Inches	1½	1¾	2
W't per doz., lbs.	7¼	8¼	9¼
Per dozen	$22.00	24.00	25.00
	JDHJ	JEAJ	JEDJ

ONE-HALF DOZEN IN A BOX.

ALL STEEL CHISELS.





Solid Steel, Polished Blade, Black Hexagon Body.

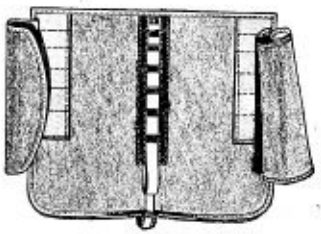
No. 10 Inches	½	⅝	¾
Length, in.	9½	9¾	10
W't, doz., lbs.	3½	5	6
Per dozen	$9.00	10.00	11.00
	CFJ	JCHE	JDAE

No. 10 Inches	1	1¼	1½
Length, in.	11	11½	11½
W't, doz., lbs.	10¾	15½	16½
Per dozen	$12.00	13.00	14.00
	JDGJ	JEJJ	JEDJ

This chisel is forged from special steel, tempered for use as ordinary wood chisel, and also for cutting soft metal.

ONE-HALF DOZEN IN A BOX.

CHISEL ROLLS.



Brown Canvas Cover, Wool Lining, Adjustable Straps.

No. 6—For holding six socket firmer chisels, w't per doz. 3½ lbs., per dozen ..... JFEJ $12.00

No. 12—For holding 12 socket firmer chisels, w't per doz. 6¼ lbs., per dozen ..... JGBJ $14.00

No. 06—For holding 6 butt chisels, w't per doz. 3¼ lbs., per doz. JFJJ $11.00

No. 11—For holding 11 butt chisels, w't per doz. 5 lbs., per doz. JFFJ $12.00

CHISELS AND GOUGES.

SOCKET FRAMING CHISELS.



Extra Cast Steel, Full Polished, Hickory Handle, with Ring.

No. 40 —Inches	¾	⅞	1	1¼
W't per doz., lbs.	8½	10½	12	13½
Per dozen	$9.00	9.00	9.00	9.50
	CIJ	CIJ	CIJ	DAJ
No. 40 —Inches	1½	1⅝	1¾	2
W't per doz., lbs.	14	16	17½	23
Per dozen	$10.00	10.50	11.00	12.00
	JDCJ	JDEE	JDGE	JEBJ
No. 40 —Inches	2½	2¾	3	
W't per doz., lbs.	26	31	33	
Per dozen	$13.00	14.50	16.00	
	JEFJ	JFBE	JFIJ	

ONE-HALF DOZEN IN A BOX.

SOCKET CARPENTERS SLICKS.



10 In. Blade, Extra Cast Steel, Full Polished, Hickory Handle.

No. 80 —Inches	2½	3	3½
W't per doz., lbs.	45	54	60
Per dozen	$21.00	23.50	27.50
	AEAJ	AFIJ	AIHJ

ONE-SIXTH DOZEN IN A BOX.

SOCKET FIRMER GOUGES.



6 In. Blade, Extra Cast Steel, Full Polished, Hickory Handle.

Inches	¼	⅜	½	⅝
W't per doz., lbs.	4	4½	5½	5¾
No. 60 —Outside bevel per dozen	$9.50	9.50	10.00	10.50
	EBE	EBE	JEEE	JEHE
Inches	¾	⅞	1	1¼
W't per doz., lbs.	6	7½	8	10½
No. 60 —Outside bevel per dozen	$11.25	12.00	12.75	14.25
	JFBE	JFFE	JFIE	JGHJ

No. 60 —1½ in., outside bevel, w't per doz. 12 lbs., per dozen ..... JHIJ $16.00

Inches	¼	⅜	½	⅝
No. 160 —Inside bevel per dozen	$9.50	9.50	10.00	10.50
	EGJ	EGJ	JFJJ	JFCJ
Inches	¾	⅞	1	1¼
No. 160 —Inside bevel per dozen	$11.25	12.00	12.75	14.25
	JFGE	JGBJ	JGFE	JHEE

No. 160 —1½ in., inside bevel ..per dozen JIFJ $16.00

ONE-HALF DOZEN IN A BOX.

SOCKET CORNER CHISELS.



8½ Inch Blade, Extra Cast Steel, Polished Outside, Hickory Handle with Ring.

No. 50 —Inches	¾	⅞	1
W't per doz., lbs.	14	17	21
Per dozen	$16.00	17.00	18.25
	AAEJ	ABBE	ACAE

ONE-HALF DOZEN IN A BOX.

TANGED FIRMER CHISELS.



Extra Cast Steel, Polished.

No. 210—Inches	¼	⅜	½	¾	1
W't per doz., lbs.	1	1½	1½	2½	3½
Per dozen	$2.50	2.50	2.75	3.25	4.00
	AHJ	AHJ	BJJ	BCE	BIJ

SINGLE SIZES, ONE DOZEN IN A BOX.



Extra Cast Steel, Polished, Applewood Handle.

No. 212—Inches	¼	⅜	½	¾	1
W't per doz., lbs.	2½	2½	2¾	5	5¾
Per dozen	$3.50	3.50	3.75	4.25	5.50
	BEJ	BEJ	BGJ	CJE	CIE

SINGLE SIZES ONE-HALF DOZEN IN A BOX.

TANGED FIRMER GOUGES.



Extra Cast Steel, Polished, Applewood Handle, Outside Bevel.

No. 262—Inches	¼	⅜	½	⅝
W't per doz., lbs.	2	3	3¼	4½
Per dozen	$3.75	3.75	4.25	4.50
	BGJ	BGJ	CJE	CBE
No. 262—Inches	¾	⅞	1	1¼	1½
W't per doz., lbs.	5	5¼	6	8	9
Per dozen	$5.00	6.00	6.25	8.00	9.50
	CFJ	DCJ	DEJ	EGE	FHE

SINGLE SIZES ONE-HALF DOZEN IN A BOX.

CHISELS, GOUGES AND DRAWING KNIVES.

CARPENTERS' DRAWING KNIVES.



P. S. & W. CO.'S, Cast Steel Razor Blade, Hickory Handles, Polished Caps and Ferrules.

No. 24—Blade, in.	6	7	8
W't per doz., lbs.	10	11	12½
Per dozen	$13.50	13.50	13.50
	JFAE	JFAE	JFAE

No. 24—Blade, in.	9	10	12
W't per doz., lbs.	13	14	15
Per dozen	$14.40	15.60	18.00
	JFEE	JGAE	JHBJ

ONE-HALF DOZEN IN A PACKAGE.

TANGED TURNING CHISELS.



Extra Cast Steel, Polished.

No. 280—Inches	⅛	⅜	½	⅝	1
W't per doz., lbs.	1½	2	3	5	7
Per dozen	$3.25	3.25	3.60	4.50	5.75
	CEE	CEE	DJJ	EJE	FGJ

ONE DOZEN IN A BOX.

TANGED TURNING GOUGES.



Extra Cast Steel, Polished.

No. 290—Inches	⅛	⅜	½	⅝	1
W't per doz., lbs.	2¾	3½	4½	5¼	7¾
Per dozen	$4.25	4.25	4.75	6.00	8.00
	DHE	DHE	EBE	FCJ	HJJ

ONE DOZEN IN A BOX.

SHINGLE KNIVES.



14 in.—1¾ in. cast steel blade, beech handles, w't per doz. 27 lbs. ..... per dozen AGGE $25.20

ONE-HALF DOZEN IN A PACKAGE.

CARPENTERS' DRAWING KNIVES.



Extra Cast Steel Razor Blade, Ebonized Handles, Polished Caps and Ferrules.

No. 18 —Blade, in.	8	9	10
W't per doz., lbs.	13	14	15
Per dozen	$13.50	14.40	15.60
	JFGJ	JGBJ	JGGJ

ONE-HALF DOZEN IN A BOX.



Cast Steel Razor Blade, Folding Rosewood Stained Handles.

No. 30 —Blade, in...	6	7	8	9
W't per doz., lbs.	12	14	20	28
Per dozen	$21.00	22.50	24.00	27.00
	AGJJ	AHBE	AIDE	BAIJ

ONE-QUARTER DOZEN IN A BOX.



Extra Cast Steel Razor Blade, Polished Caps, Mahogany Stained Handles.

No. 118 —Blade, in.	8	9	10
W't per doz., lbs.	13	14	15
Per dozen	$13.50	14.40	15.60
	JEDJ	JEGJ	JFJJ

ONE-HALF DOZEN IN A BOX.



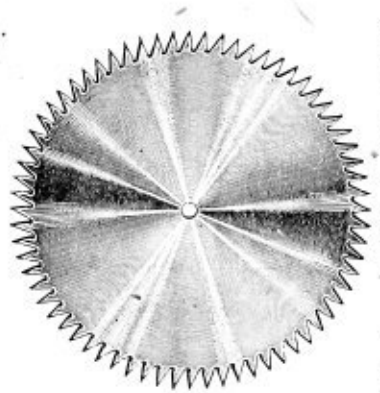
, Folding Handle, Cast Steel Razor Blade, Interchangeable Hickory Handles.

No. 26 —Blade, in.	8	9	10
W't per doz., lbs.	14½	16	18
Per dozen	$19.00	20.00	21.50
	ABCJ	ABIE	ACIE

ONE-QUARTER DOZEN IN A BOX.

SAWS AND MANDRELS.

CIRCULAR CORDWOOD SAWS.



Inches	20	22	24
Gauge	11	11	10
Speed, rev. per minute	1960	1740	1630
Each	$9.50	11.50	13.50
	BHJ	JCCJ	JCIJ
Inches	26	28	30
Gauge	10	10	10
Speed, rev. per minute	1450	1400	1275
Each	$16.00	18.50	21.00
	JDEJ	JEAJ	JEGJ
Inches	32	34	36
Gauge	10	10	9
Speed, rev. per minute	1225	1125	1080
Each	$24.00	27.00	31.00
	JFFJ	JGEJ	JHDJ

Above are now carried in stock, except 34 and 36 in.

Cordwood saws regularly sold with 1 1/8 in. mandreds. Add 10% for other size holes.

CIRCULAR RIP AND CROSS-CUT SAWS.

Disstons **DJ-E%** Hiles **EJ%**

Solid Tooth, Ground and Tempered.

Diameter, Inches.	Thickness, Gauge.	Size of Hole, Inch.	Speed Rev. per min., (Hiles)	Each.	Extra for each additional Gauge (Heavier)	Beveling New Saws (Grinding or Beveling Old Saws Extra) per Gauge.	Extra for Setting and Sharpening if Rip Saw, net.	Extra for Setting and Sharpening if Cross-Cut Saw, net.
10	16	1	....	$ 3.30	$0.12	$0.28	$0.14	$0.19
11	16	1	....	3.90	.16	.30	.16	.22
12	15	1	....	4.40	.20	.35	.18	.24
14	14	1 5/8	....	5.30	.25	.40	.22	.28
16	14	1 1/8	....	6.50	.30	.50	.24	.30
18	13	1 1/4	....	8.00	.40	.60	.28	.34
20	13	1 3/8	1960	9.50	.50	.70	.30	.38
22	12	1 3/8	1740	11.50	.60	.80	.34	.42
24	11	1 1/8	1630	13.50	.70	.90	.37	.48
26	11	1 1/8	1450	16.00	.85	1.05	.42	.54
28	10	1 1/2	1400	18.50	1.00	1.20	.46	.60
30	10	1 1/2	1275	21.00	1.15	1.30	.50	.66
32	10	1 5/8	1225	24.00	1.30	1.40	.54	.72
34	9	1 5/8	1125	27.00	1.50	1.55	.60	.78
36	9	1 5/8	1080	31.00	1.80	1.70	.66	.84
38	9	1 5/8	....	35.00	2.00	1.85	.72	.90
40	9	2	....	41.00	2.30	2.00	.78	.96
42	8	2	....	47.00	2.60	2.20	....	1.02
44	8	2	....	55.00	3.00	2.40	....	1.03
46	8	2	....	65.00	3.50	2.60	....	1.20
48	8	2	....	75.00	4.00	2.80	....	1.32
50	7	2	....	85.00	4.50	3.00	....	1.44
52	7	2	....	95.00	5.00	3.25	....	1.56
54	7	2	....	105.00	6.00	3.50	....	1.68
56	7	2	....	120.00	7.00	3.75	....	1.80
58	7	2	....	135.00	8.00	4.05	....	1.92
60	6	2	....	150.00	9.00	4.35	....	2.02

We have some calls for circular saws cheaper in price than our regular saws. Hiles Circular Cordwood Saws are first class in every respect, set and filed ready for use, and are warranted against defects in material and workmanship.

In ordering Hiles Circular Cordwood Saws, please specify circular saws.

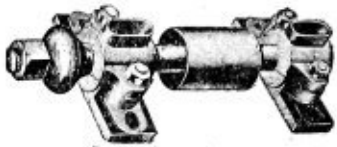
Circular saws for bone or ivory, add 50 per cent to above list.

No extra charge for saws one gauge thicker than list.

Circular saws 48 inches and larger, if made thinner than 10 gauge, are not warranted, and are 10 per cent higher for each gauge thinner than No. 10.

Circular saws 42 inches and less in diameter beveled one gauge without extra charge; 44 inches and larger, beveled two gauges without extra charge.

CIRCULAR SAW MANDRELS.



Pulley in center.



Pulley on end.

Nos.	1	2	3	4
Diam. of pulley, in..	2½	3	3½	4
Face of pulley, in....	3½	4	4½	5
Diam. of flange, in..	2½	3	3½	4
Diam. of shaft, in...	1 1/16	1 3/8	1 5/8	1 7/8
Size of hole, in.	1	1⅛	1¼	1⅜
Length of shaft, in...	16½	19	21	24
W't each, lbs.	15	22	27	35
Each	$6.50	7.00	7.70	8.80
	CIJ	DBJ	DFJ	ECJ
Nos.	**5**	**6**	**7**	
Diam. of pulley, in.....	4½	5	5½	
Face of pulley, in.	5½	6	6½	
Diam. of flange, in...	4½	5	5½	
Diam. of shaft, in.....	1 7/16	1 7/16	1 7/16	
Size of hole, in.	1 5/16	1⅜	1⅜	
Length of shaft, in.....	26	28	30	
W't each, lbs..	45	50	55	
Each	$9.60	10.40	11.20	
	EGE	JFBE	JFGJ	
Nos.	**8**	**9**	**10**	
Diam. of pulley, in.....	6	7	8	
Face of pulley, in.	7	8	8	
Diam. of flange, in...	6	6	6	
Diam. of shaft, in.....	1 7/16	1 1/2	1 1/2	
Size of hole, in.	1½	1⅝	1⅝	
Length of shaft, in.....	32½	37	41	
W't each, lbs..	70	90	105	
Each	$14.50	17.00	19.00	
	JHGJ	AJBJ	AADJ	

These saw mandrels are of the latest improved pattern made from high grade, cold drawn steel shafting and best quality gray iron castings. Boxes are filled with high speed babbitt metal, and are parted for taking up the wear.

These mandrels are made with the pulley on the right hand side when saw is running toward you, unless otherwise ordered. In ordering, specify "pulley on end" or "pulley in center" and left hand or right hand thread.

ALL ITEMS ON THIS PAGE ARE PICK-UP EXCEPT CORDWOOD SAWS.

IN ORDERING, BE PARTICULAR TO STATE WHETHRER CROSS-CUT OR RIP, RIGHT OR LEFT HAND IS WANTED; ALSO SIZE MANDREL HOLE AND SPEED OF SAW.

SAW SWAGES AND HANDLES.

SAW SWAGES.



Swage, Jumper or Upset.

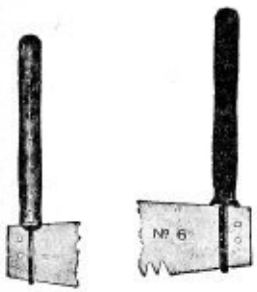
No. 1—Conqueror, for large circular saws, polished steel, carefully hardened and tempered, wth blued polished extra steel band, length 4¾ in., w't 8 oz.....each **BGJ** $3.00
No. 2—For small circular saws and mill saws, otherwise same as No. 1, each .....**BJE** $2.50

CROSS CUT SAW HANDLES.



No. 122—Long neck, heavy malleable iron cap, tapped for loop rod, which extends through handle insuring firm grip on saw, length 8 in., nicely finished, w't per doz. prs. 30 lbs., per dozen pairs .....**CIJ** $6.00

CROSS CUT SAW HANDLES.



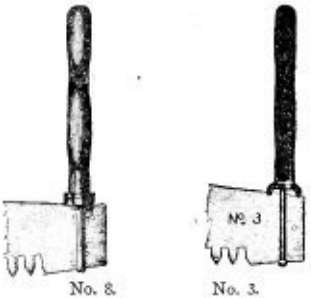
No. 010. No. 6.

Malleable Loop, Short Malleable Ferrule.

No. 010—Plain handle, w't per doz. prs. 15 lbs.....per dozen pairs **ADE** $2.40

No. 6—Atkins, varnished handle, w't per doz. prs. 15 lbs., per dozen pairs.....**AGJ** $2.88

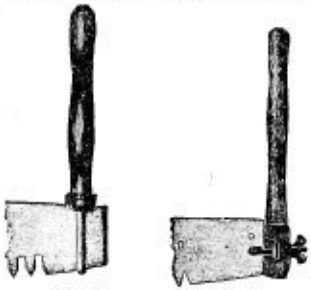
CROSS CUT SAW HANDLES.



No. 8. No. 3.

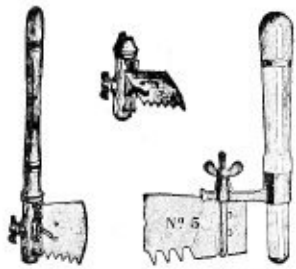
Atkins.

No. 8—Malleable loop, extra heavy long malleable ferrule, varnished handle, w't per doz. prs. 27 lbs., per dozen pairs .....**BCJ** $3.60
No. 3—Heavy malleable loop, long malleable ferrule, varnished handle, w't per doz. prs. 21 lbs., per dozen pairs .....**BEE** $4.32



No. 1. No. 4.

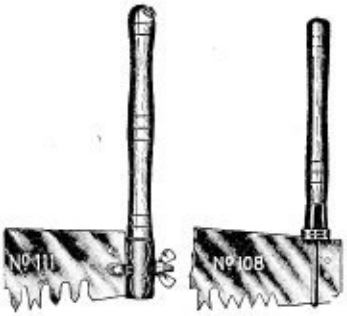
No. 1—Atkins', wrought loop, extra heavy long malleable ferrule, varnished handle, w't per doz. prs. 25 lbs., per dozen pairs **CBJ** $5.40
No. 4—Climax, reversible, plain handle, w't per doz. prs. 21 lbs., per dozen pairs .....**ADE** $2.40



No. 18. No. 5.

No. 18—Champion, reversible, plain handle, w't per doz. prs. 15 lbs., per dozen pairs .....**AHJ** $3.12
No. 5—Malleable loop and arm, plain handle, w't per doz. prs. 30 lbs., per dozen pairs .....**BGE** $4.80

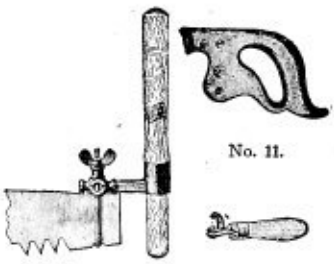
CROSS CUT SAW HANDLES.



No. 111. No. 108.

No. 111—Atkins', malleable clasp, metal parts tinned, fancy polished, w't per doz. prs. 33 lbs., per dozen pairs.....**BAE** $3.60

No. 108—Atkins', malleable iron loop, metal parts tinned, polished handle, w't per doz. prs. 33 lbs., per dozen pairs .....**BGJ** $4.20
FIFTY PAIRS IN A CASE.



No. 11.

No. 17. No. 12.

No. 17—Reversible, malleable loop and arm, plain handle, w't per doz. prs. 30 lbs.....per dozen pairs **CJE** $5.00

No. 10—One-man, 3 screw holes, applewood, for Ajax, Disston's, or Atkins' saws, w't per doz. 7¼ lbs., per dozen .....**BAJ** $4.50

No. 13—One-man, without screw holes, otherwise same as No. 10, w't per doz. 7¾ lbs.....per dozen **BAJ** $4.50

No. 11—One-man, 4 screw holes, applewood, for Ajax, Disston's, or Atkins' saws, w't per doz. 7¾ lbs., per dozen .....**BAJ** $4.50

No. 12—One-man supplementary, malleable ferrule and clamp, length 6 in., w't per doz. 4 lbs., per dozen .....**AAJ** $3.00

CROSS-CUT SAWS.

HOLLOW BACK, CHAMPION TOOTH.



Finest Crucible Steel, Specially Hardened and Tempered, Taper-Ground, Polished, Without Handles.

No. 210 —Feet	5	5½	6	6½
W't, lbs.	3½	3¼	4	5
Each	$1.80	1.98	2.16	2.34
	AAJ	ABJ	ACJ	ADJ



Cast Steel, Polished, without Handles.

No. 7—Feet	5	5½	6	6½
W't, lbs.	3½	4¼	4¼	5
Each	$1.80	1.98	2.16	2.34
	JIJ	AJJ	AAJ	ABJ



DISSTON'S Cast Steel, Polished, Without Handles.

No. 8—Feet	5	5½	6	6½
W't, lbs.	3½	4	4½	5
Each	$1.80	1.98	2.16	2.34
	AAJ	ABJ	ACJ	ADJ

CHAMPION TOOTH.



Cast Steel, Polished, Thin Back, Graduated from 14 to 16 Gauge, without Handles.

No. 9—Feet	5	5½	6	6½	7
W't, lbs.	7½	8	8½	9	9½
Each	$3.00	3.30	3.60	3.90	4.20
	AGE	AIJ	BAJ	BBG	BDE



DISSTON'S, Cast Steel, Polished, Thin Back, Graduated from 14 to 16 Gauge, Without Handles

No. 2—Feet	5	5½	6	6½
W't, lbs.	6½	7	8	9½
Each	$3.00	3.30	3.60	3.90
	AGE	AIJ	BAJ	BCJ

DISSTON'S, Cast Steel, Polished, Extra Thin Back, Graduated from 14 to 18 Gauge, without Handles.

No. 1—Feet	5	5½	6	6½
W't, lbs.	5½	6½	7	7½
Each	$3.25	3.57	3.90	4.22
	AHE	BJE	BBE	BDJ



SIMMON'S, Crescent Ground, Cast Steel, Polished, 14 to 19 Gauge, Without Handles.

No. 13—Feet	4½	5	5½	6	6½
W't, lbs.	4½	5	5½	6½	8¼
Each	$3.60	4.30	5.10	5.90	6.80
	BFJ	CAJ	CFE	DBE	DIJ

COMMON TOOTH.



DISSTON'S, Cast Steed Patent Ground, without Handles.

No. 6—Feet	4	4½	5	5½	6
W't, lbs.	3½	4¼	5½	6½	7
Each	$2.40	2.70	3.00	3.30	3.60
	ADE	AFE	AHE	BJJ	BBJ

TUTTLE TOOTH.



Finest Crucible Steel, Especially Hardened and Tempered, Taper-Ground, Polished, Graduated 14 to 19 Gauge, without Handles.

No. 200 —Feet	5	5½	6	6½
W't, lbs.	5	6	6¼	7¼
Each	$3.90	4.20	4.50	4.85
	BBJ	BDE	BFE	BIJ

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.



DISSTON'S, Spring Steel, Extra Thin Back, Graduated from 14 to 19 Gauge, Without Handles.

No. 3—Feet	5	5½	6	6½
W't, lbs.	4½	5½	6¼	7¼
Each	$3.90	4.20	4.50	4.85
	BBJ	BDE	BFE	BIJ



SIMONDS' Cast Steel, Polished, 14 to 19 Gauge.

No. 326—Feet	6	6½	7
W't, lbs.	6¼	7½	8
Each	$5.90	6.80	7.80
	DBJ	DIJ	EFJ

The above saws are known as Crescent Ground Cottonwood saws. They are slightly narrower than standard wide saws and particularly adapted for use in lumbering operations throughout the lower Mississippi Valley and bordering states.



ATKINS', Cast Steel, Graduated from 14 to 18 Gauge, without Handles.

No. 4—Feet	5	5½	6	6½
W't, lbs.	5	6	7	7¼
Each	$2.60	2.86	3.12	3.38
	AHE	BJE	BBE	BDE

ATKINS', Cast Steel, Graduated from 14 to 19 Gauge, without Handles.

No. 5—Feet	5	5½	6	6½	7
W't, lbs.	5	5½	6¼	7¼	9
Each	$3.10	3.36	3.62	3.88	4.15
	BBE	BDJ	BFJ	BHJ	CJJ

CROSS CUT SAWS.

DIAMOND TOOTH.



Lone Star Pattern, 14 to 18 Gauge, High Grade Spring Steel, Extra Thin Back, Without Handles.

No. 205 —Feet	5	5½	6	6½
W't, lbs.	4½	5	5½	6¼
Each	$3.00	3.30	3.60	3.90
	BAJ	BCJ	BEJ	BGE

6 ft. saws have 5⅝ in. center.



ATKINS', Special Steel, Diamond, Graduated from 14 to 18 Gauge, without Handles.

No. 11—Feet	5	5½	6	6½
W't, lbs.	4½	5½	7¼	7¾
Each	$3.00	3.30	3.60	3.90
	BAE	BDJ	BFJ	BHJ

PERFORATED LANCE TOOTH.



, 14 to 19 Gauge, High Grade Spring Steel, Without Handles.

No. 215 —Feet	5	5½	6	6½
W't, lbs.	4¾	5¾	6¼	7¼
Each	$4.50	5.00	5.40	5.80
	CJJ	CCE	CFJ	CIJ



DISSTON'S, Spring Steel, Extra Thin Back, Graduated from 14 to 18 Gauge, without Handles.

No. 16—Feet	5½	6	6½
W't, lbs.	5¼	6¼	7½
Each	$4.40	4.80	5.20
	BIE	CBJ	CDE



SIMONDS, Crescent Ground, Cast Steel, Polished, 14 to 19 Gauge, Without Handles.

No. 22—Feet	5	5½	6	6½
W't, lbs.	5	5½	6½	8¼
Each	$4.30	5.10	5.90	6.80
	CAJ	CFE	DBE	DIJ



SIMONDS, Cast Steel, Polished, 14 to 19 Gauge.

No. 316—Feet	6	6½	7
W't, lbs.	6	7	7½
Each	$5.90	6.80	7.80
	DBE	DIJ	EFJ

PERFORATED LANCE TOOTH.



SIMONDS, Cast Steel, Polished, 14 to 19 Gauge, Four Cutting Teeth to Each Raker.

No. 324—Feet	6	6½	7
W't, lbs.	6	7¼	8
Each	$5.90	6.80	7.80
	DCJ	DIJ	EFJ



ATKINS', Perfection, Silver Steeel, Perforated, Lance Tooth, 14 to 20 Gauge, Medium Width, Four Cutting Teeth to Each Raker, without Handles.

No. 14—Feet	5½	6	6½
W't, lbs.	5½	6	7
Each	$4.80	5.60	6.40
	CDE	DJE	DFJ

This saw is especially adapted for hard wood and frozen timber.

GREAT AMERICAN.



DISSTON'S Cast Steel, Polished, 14 to 16 Gauge, Without Handles.

No. 31—Feet	4½	5	5½	6
W't, lbs.	4½	5½	6½	7
Each	$3.15	3.50	3.85	4.20
	AIJ	BAJ	BCJ	BEJ

VIRGINIA PATTERN.



DISSTON'S, Crucible Steel, Finely Tempered and Polished, 14 to 20 Gauge, Without Handles.

No. 32—Feet	5	5½	6	6½
W't, lbs.	6	6½	7	7½
Each	$4.55	5.30	6.20	7.10
	CAJ	CFJ	DBJ	DHJ

ZIP.



DISSTON'S, Crucible Steel, Finely Tempered and Polished, 14 to 18 Gauge, Without Handles.

No. 33—Feet	5	5½	6	6½
W't, lbs.	5½	6	6½	7
Each	$4.55	5.30	6.20	7.10
	CAJ	CFJ	DBJ	DHJ

BUZZ.



DISSTON'S, Perforated Tooth, Crucible Steel Finely Tempered and Polished, 14 to 18 Gauge, Without Handles.

No. 34—Feet	5	5½	6	6½
W't, lbs.	5½	6	6½	7
Each	$4.55	5.30	6.20	7.10
	CAJ	CFJ	DBJ	DHJ

ONEMAN SAWS.

CHAMPION TOOTH.



Spring Steel, Patent Ground and Tempered, Polished, Extra Wide Blade, Nickel Plated Screws, with Supplementary Handle.

No. 220 —Ft..	2½	3	3½	4	4½	5
W't, lbs.	2½	3½	4¼	5	6¼	7¼
Each	$2.65	2.65	3.10	3.50	4.00	4.45
	AAE	ADJ	AFJ	AHJ	BJE	BCJ

ONE-QUARTER DOZEN IN A BUNDLE.



Cast Steel, Polished, with Supplementary Handle.

No. 21 —Ft...	2½	3	3½	4	4½	5
W't, lbs.	3	3¼	4	5¼	6	6½
Each	$2.25	2.25	2.60	3.00	3.25	3.70
	AJE	ABE	AEJ	AGJ	AIJ	BAJ
No. 23 Disston's—						
Each	$2.25	2.25	2.60	3.00	3.35	3.70
	AAE	ADJ	AFJ	AHJ	BJE	BCJ

ONE-QUARTER DOZEN IN A BUNDLE.

COMMON TOOTH.

Spring Steel, Patent Ground and Tempered, Polished, Extra Wide Blade, Nickel Plated Screws, with Supplementary Handle.

No. 230 —Feet	3½	4	4½
W't, lbs.	4¼	5	6¼
Each	$3.10	3.50	4.00
	AFJ	AHJ	BJE

ONE-QUARTER DOZEN IN A BUNDLE.

GREAT AMERICAN.



DISSTON'S, Cast Steel, Polished, with Supplementary Handle.

No. 25—Feet	3	3½	4	4½	5
W't, lbs.	3	4¼	5¼	6	7½
Each	$2.55	2.85	3.25	3.65	4.10
	ADJ	AFE	AIJ	BAJ	BCE

ONE-QUARTER DOZEN IN A BUNDLE.

ONEMAN SAWS.

PERFORATED LANCE TOOTH.



DISSTON'S, Spring Steel, Polished, with Supplementary Handle.

No. 27—Feet	3½	4	4½
W't, lbs.	4¼	5½	6¼
Each	$3.10	3.50	4.00
	AGJ	AIJ	BAJ

ONE-QUARTER DOZEN IN A BUNDLE.



Simonds, One Man, Cast Steel.

No. 223—Feet	3½	4	4½
W't, lbs.	4½	5	5½
Each	$3.50	4.00	4.50
	BEJ	BIJ	CBE

Even gauge all along the cutting edge. Accurately tapered from cutting edge to back.

ICE SAWS.

WAGON.



No. 080—24 in., hand, hollow back, cast steel, polished, 6 in. wood handle, w't per doz. 22½ lbs., per dozen JFIE $10.50

ONE-HALF DOZEN IN A BOX.

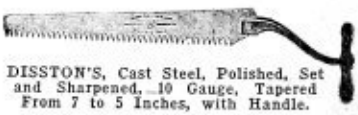


DISSTON'S, Wagon, Cast Steel, Polished, Japanned Iron Handle.

No. 73—Inches	26	28	30
W't per doz., lbs.	42	47	55
Per dozen	$20.00	21.00	22.00
	ABIE	ACFJ	ADBE

ONE-THIRD DOZEN IN A BUNDLE.

POND.



DISSTON'S, Cast Steel, Polished, Set and Sharpened, 10 Gauge, Tapered From 7 to 5 Inches, with Handle.

No. 40—Feet	4	4½	5
W't, lbs.	10	12	13
Each	$4.85	5.30	5.75
	BFE	BIJ	CAJ

HAND AND RIP SAWS.



No. 50—Cruso, 26 in., hand, cast steel, beech handle, polished edge, 3 screws, 5, 6, 7, 8 and 9 points, w't per doz. 21 lbs., per dozen .....**EJJ** $8.00

ONE-HALF DOZEN IN A BOX.



No. 55—Cruso, 26 in., hand, cast steel, polished black walnut handle, 3 screws, raised steel plate, 5, 6, 7, 8 and 9 points, w't per doz. 21 lbs. .....per dozen **JGBJ** $10.00

ONE-HALF DOZEN IN A BOX.



No. 60—Dexter, 26 in., combination hand, with 24 in. square and rule, straight edge, 3 screws, 6, 7, 8 and 9 points, w't per doz. 20 lbs. .....per dozen **EGJ** $8.80

ONE-HALF DOZEN IN A BOX.



No. 80—"I Will," 26 in., hand, cast steel grained blade, etched, skew back, polished beech handle, 4 screws, 5, 6, 7, 8, 9 and 10 points, w't per doz. 22 lbs., per doz. **JFIJ** $12.00

No. 80—"I Will," 28 in., rip, cast steel grained blade, etched, skew back, polished beech handle, 4 screws, 5, 5½ and 6 points, w't per doz. 27 lbs. .....per dozen **JHAJ** $16.00

No. 80—"I Will," 26 in., rip, cast steel grained blade, etched, skew back, polished beech handle, 4 screws, 4½, 5 and 5½ points, w't per doz. 27 lbs. .....per dozen **JFIJ** $12.00

ONE-THIRD DOZEN IN A BOX.



REVONOC

No. 70 REVONOC—26 in., hand, extra cast steel, grained blade, skew back, genuine black walnut carved handle, polished and etched, 4 brass screws, 6, 7, 8, 9 and 10 points, w't per doz. 23 lbs. .....per dozen **ABFJ** $20.00

No. 70 REVONOC—28 in., rip, extra cast steel, grained blade, skew back, genuine black walnut carved handle, polished and etched, 4 brass screws, 5, 5½ and 6 points, w't per doz. 25 lbs. .....per dozen **ADDJ** $22.00

ONE-THIRD DOZEN IN A BOX.



GVB

No. 82 GVB—26 in., hand, extra cast steel grained blade, skew back, apple handle, polished and etched, 4 plated brass screws, 6, 7, 8, 9, 10, 11 and 12 points, w't per doz. 23 lbs. .....per dozen **ADDJ** $24.00

No. 82 GVB—26 in., rip, extra cast steel grained blade, skew back, apple handle, polished and etched, 4 plated brass screws, 5, 5½, 6 and 7 points, w't per doz. 23 lbs., per dozen .....**ADDJ** $24.00

No. 82 GVB—28 in., rip, 4½, 5, 5½ and 6 points, w't per doz. 25 lbs., otherwise same as above ....per dozen **AFHJ** $28.00



GVB

No. 82S GVB—26 in., ship carpenters' hand, extra cast steel grained blade, apple handle, polished and etched, 4 plated brass screws, 7, 8, 9, 10 and 12 points, w't per doz. 19 lbs., per dozen .....**ADDJ** $24.00

Ship pattern is about one inch narrower than hand, the full length of saw.



No. 17 GVB—26 in., special hand, extra cast steel grained blade, straight back, carved cherry handle, 4 nickel plated screws, 7, 8, 9 and 10 points, w't per doz. 25 lbs., per dozen .....**AIBJ** $27.00

ONE IN A BOX.



GVB

No. 18 GVB—26 in., special hand, extra cast steel grained blade, sway back, carved sweet mountain cherry handle, 4 brass screws, 7, 8, 9, 10 and 12 points, w't per doz. 24½ lbs., per dozen .....**AHJJ** $28.00

No. 18 GVB—28 in., rip, 5, 5½ and 6 points, per dozen .....**BJDJ** $32.00

No. 18-S GVB—26 in., ship pattern, 8, 9 and 10 points, w't per doz. 24½ lbs., otherwise same as above, per dozen .....**AHJJ** $28.00

ONE IN A BOX.



REVONOC

No. 72 REVONOC—26 in., hand, cast steel polished blade, etched, skew back, polished beech handle, 4 screws, 5, 6, 7, 8, 9 and 10 points, w't per doz. 24 lbs. .....per dozen **JIJJ** $15.00

No. 72 REVONOC—26 in., rip, 5, 5½ and 6 points, otherwise same as above, w't per doz. 24 lbs. .....per dozen **JIJJ** $15.00

ONE-THIRD DOZEN IN A BOX.

HAND AND RIP SAWS.



No. 3—26 in., Brown's, hand, grained blade, beech handle, polished edge, 4 screws, full width, 6, 7, 8 and 9 points, w't per doz. 27 lbs. .....per dozen **AJDE** $13.50

ONE-THIRD DOZEN IN A BOX.



No. 7—26 in., Disston's, hand, cast steel, grained blade, thin back, etched, beech handle, polished edge, 4 improved screws, 5, 6, 7, 8, 9 and 10 points, w't per doz. 24 lbs., per dozen .....**AEEE** $20.00

No. 7—26 in., Disston's, rip, 4½, 5, 5½ and 6 points, otherwise same as No. 7 Disston's hand, w't per doz. 24 lbs., per dozen .....**AEEE** $20.00

No. 7—28 in., Disston's, hand, 6, 7 and 8 points, otherwise same as above, w't per doz. 30 lbs., per dozen **AHAE** $23.50

No. 7—28 in., Disston's, rip, cast steel, grained blade, etched, beech handle, polished edge, 4 improved screws, 4, 4½, 5, 5½ and 6 points, w't per doz. 30 lbs., per dozen .....**AHAE** $23.50

ONE-THIRD DOZEN IN BOX.



No. 7S—26 in., Disston's, Ship pattern, hand, cast steel, grained blade, thin back, etched, beech handle, polished edge, 4 improved screws, 7, 8, 9 and 10 points, w't per doz. 24 lbs. .....per dozen **AEEE** $20.00

ONE-THIRD DOZEN IN A BOX.



No. 8—26 in., Disston's, hand, spring steel, grained blade, etched, apple handle, polished edge, 4 improved screws, 7, 8 and 9 points, w't per doz. 24 lbs., per dozen .....**AGIJ** $21.50

ONE-THIRD DOZEN IN A BOX.



No. 1874—Disston Compact, 26 in., skew back, Hand, crucible steel blade, full polished, apple handle, 4 brass screws—forward position of handle gives rigidity to saw and allows it to be carrined in short tool box, w't per doz. 23 lbs., per doz.....**AHGJ** $22.50

ONE-THIRD DOZEN IN A BOX.



No. D8—26 in., Disston's, hand, cast steel, grained blade, etched, skew back, apple handle, polished edge, 5 improved screws, 6, 7, 8, 9, 10, 11 and 12 points, w't per doz. 24 lbs., per dozen .....**AHGJ** $22.50

No. D8—26 in., Disston's, rip, cast steel, grained blade, skew back, apple handle, polished edge, 5 improved screws, 5, 5½ and 6 points, w't per doz. 27 lbs., per dozen .....**AHGJ** $22.50

No. D8—28 in., Disston's, rip, 4½, 5, 5½, 6 and 7 points, otherwise same as above, w't per doz. 30 lbs., per dozen .....**BABE** $25.50

ONE-THIRD DOZEN IN A BOX.



No. D100—26 in., Disston's, hand, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws, 7, 8, 9, 10, 11 and 12 points, w't per doz. 25 lbs. .....per dozen **BJHJ** $25.00

No. D100—28 in., Disston's, rip, spring steel, patent ground and tempered blade, etched, graduated teeth, skew back, carved apple handle, polished, 5 improved screws, 5, 5½ and 6 points, w't per doz. 29 lbs., per dozen **BCCJ** $28.00

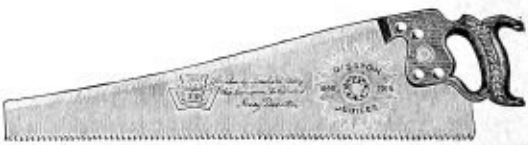
ONE-THIRD DOZEN IN A BOX.



No. D100S—26 in., Disston's, Ship pattern, hand, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws, 7, 8, 9, 10, 11 and 12 points, w't per doz. 25 lbs., per dozen .....**BJHJ** $25.00

No. D100S—26 in., Disston's, Ship pattern, rip, 5, 5½ and 6 points, otherwise same as above, w't per doz. 25 lbs., per dozen .....**BJHJ** $25.00

ONE-THIRD DOZEN IN A BOX.



No. D115—Disston, 26 in., skew back, Hand, extra London spring steel, selcted and highly polished blade—rosewood handle, carved and polished, 5 nickel plated screws, 8, 9 and 10 point, w't per doz. 27 lbs .....per dozen **CJJJ** $36.00

ONE IN A BOX.

HAND, RIP AND PLUMBERS' SAWS AND SAW SCREWS.

HAND AND RIP.



No. D20—26 in., hand, refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws, 26 in. skew back blade, 6 in. wide at butt, 1¾ in. at point, 7, 8, 9, 10 and 12 points .....per dozen **BJHJ** $25.00



No. D23—26 in., hand, refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws, 26 in. straight back blade, 6 in. at butt, 1¾ in. at point, 7, 8, 9, 10 and 12 points .....per dozen **BJHJ** $25.00



No. 12—26 in., Disston's, hand, extra refined London spring steel, selected and highly polished blade, handle carved and polished, 4 raised brass screws, 7, 8, 9, 10, 11 and 12 points, w't per doz. 26 lbs. .....per dozen **BDAE** $29.00

No. 12—28 in., Disston's, hand, 6, 7, 8, 9 and 10 points, w't per doz. 30 lbs. .....per dozen **BGEJ** $33.00

No. 12—26 in., Disston's rip, 5, 5½ and 6 points, otherwise same as above, w't per doz. 25 lbs., per dozen **BDAE** $29.00

No. 12—28 in., Disston's, rip, extra refined London spring steel, selected and highly polished blade, handle carved and polished, 4 raised screws, 4½, 5, 5½ and 6 points, w't per doz. 31 lbs. .....per dozen **BGEJ** $33.00

ONE-THIRD DOZEN IN A BOX.



No. 112—26 in., Disston's, hand, extra refined London spring steel, selected and highly polished skew back blade, carved and polished apple handle, 4 improved brass screws, 7, 8, 9, 10, 11 and 12 points, w't per doz. 27 lbs., per dozen .....**BEJJ** $30.0

No. 112—28 in., Disston's, rip, extra refined London spring steel, selected and highly polished skew back blade, carved and polished apple handle, 4 improved brass screws, 5, 5½ and 6 points, w't per doz. 32 lbs., per dozen .....**BHCJ** $34.00

ONE-THIRD DOZEN IN A BOX.

HAND AND RIP.

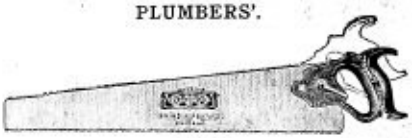


No. 120—26 in., Disston's Acme, hand, extra London spring steel, skew back, carved and polished apple handle, 5 screws, runs entirely without set in dry seasoned lumber, 8, 9, 10, 11 and 12 points, w't per doz. 25 lbs., per dozen .....**BFFE** $32.00

No. 120—28 in., Disston's Acme, rip, extra London spring steel, skew back, carved and polished apple handle, 5 screws, runs entirely without set in dry seasoned lumber, 5, 5½ and 6 points, w't per doz. 27 lbs., per dozen .....**CJJJ** $36.00

ONE-THIRD DOZEN IN A BOX.

PLUMBERS'.



—20 in., special steel blade tempered to suit purpose of sawing nails and metal without injury to teeth, can be resharpened, adjustable carved handle, nickeled trimmings, w't per doz. 11 lbs. .....per dozen **ADCE** $17.25

This saw will prove most successful where nails are numerous and ruinous to all tools not adapted to cut them. In wood it makes a smooth cut. The handle can be adjusted to suit any pitch of blade required for the work and can be instantly fastened.

ONE-THIRD DOZEN IN A BOX.

FLOORING.



No. 190 —18 in., crucible steel, polished blade, adjustable cherry handle, carved and polished, reversible blade, w't per doz. 11 lbs. .....per dozen **AFHJ** $27.00

For cutting out sections of floor, partition or ceiling without necessity of boring holes or chiseling. Sections can be replaced in original position.

ONE-THIRD DOZEN IN A BOX.

SAW SCREWS.



No. 1. No. 2. No. 4. No. 5. No. 6.

No. 1—Brass, diameter ½ in., w't per doz. ⅛ lb., per dozen .....**AH** $0.42

No. 2—Brass, diameter ⅝ in., w't per doz. ¼ lb., per dozen .....**BB** .48

No. 3—Brass, small eagle, diameter ⅞ in., w't per doz. ⅜ lb., per dozen .....**CJ** $0.60

No. 4—Brass, large eagle, diameter 1 in., w't per doz. ½ lb., per dozen .....**DB** $0.70

No. 5—Brass, raised, diameter ⅛ in., w't per doz. ¾ lb., per dozen .....**BD** $0.48

No. 6—Iron, raised, diameter ⅛ in., w't per doz. ¾ lb., per dozen .....**BD** $0.60

ONE DOZEN IN A BOX.

PANEL AND RIP SAWS.



Extra Cast Steel, Patent Ground, Skew Back, Carved and Polished Apple Handle, Four Plated Screws, 8, 9, 10, 11 and 12 Points.

No. 82—Inches	18	20	22	24
W't per doz., lbs.	12	15	17	20
Per dozen	$17.50	19.00	20.00	22.00
	ABJJ	ABFJ	ACBJ	ACHJ

No. 82—24 in., ship pattern, 8, 9, 10 and 11 points, w't per doz. 17 lbs. .....per dozen **ACHJ** $22.00

No. 82—22 in., rip, 6 and 7 points, w't per doz. 17 lbs., per dozen .....**ACBJ** $20.00

No. 18—20 in., 9, 10 and 11 points, per dozen .....**ADDJ** $22.75

No. 18—22 in., 9, 10 and 11 points, per dozen .....**AEJJ** $23.50



Extra Cast Steel, Grained Blade, Skew Back, Genuine Black Walnut Carved Handle, Polished and Etched, Four Brass Screws, 9, 10 and 11 Points.

No. 70—Inches	18	20	22	24
W't per doz., lbs.	12	15	17	20
Per dozen	$15.00	16.00	17.00	18.00
	AJBJ	AJHJ	AADJ	ABJJ



H. S. B. & Co.'s "I WILL," Cast Steel Grained Blade, Etched, Skew Back, Polished Beech Handle, Three Screws.

No. 80—Inches	18	20	22	24
W't per doz., lbs.	13	15	18	20
Per dozen	$9.00	9.75	10.50	12.00
	EDJ	EIJ	JFCJ	JFFJ

18 in. has 8, 9, 10 and 11 points, 20, 22 and 24 in. have 8, 9, 10, 11 and 12 points.



"Cruso," Cast Steel, Beech Handle, Polished Edge, Two Screws.

No. 50—Inches	14	16	18	20	22
W't per doz., lbs.	9	10	12	14	16
Per dozen	$4.80	5.40	5.80	6.40	6.90
	CCJ	CFJ	CIJ	DBJ	DEJ

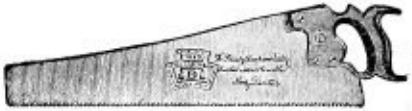
8, 9, 10 AND 11 POINTS. ONE-HALF DOZEN IN A BOX.



DISSTON'S, Grained Blade, Etched, Beech Handle, Polished Edge, 3 Screws.

No. 7—Inches	20	22	24
W't per doz., lbs.	15	18	21
Per dozen	$16.00	18.00	19.00
	ABDE	ADJJ	ADGE

8, 9, 10 and 11 Points.



DISSTON'S, Cast Steel, Skew Back, Grained Blade and Etched, Polished Apple Handle, Four Improved Screws, Warranted.

No. D8—Inches	18	20	22	24
W't per doz., lbs.	12	15	18	19
Per dozen	$16.25	18.00	20.00	21.50
	ACEJ	AEJJ	AFFE	AGIJ

8, 9, 10, 11 AND 12 POINTS.



DISSTON'S, Spring Steel, Patent Ground and Tempered, Skew Back, Polished Apple Handle, Four Improved Screws.

No. D100—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	$20.00	22.00	23.50
	AFFE	AHCJ	AIEE

9, 10, 11 AND 12 POINTS. ONE-THIRD DOZEN IN A BOX.

No. D100S—22 in., ship, 10, 11 and 12 points, w't per doz. 16½ lbs. .....per dozen **AHCJ** $22.00

No. D100S—24 in., ship, 10, 11 and 12 points, w't per doz. 19 lbs. .....per dozen **AIEJ** $23.50



DISSTON'S, Extra London Spring Steel Blade, Selected and Highly Polished Apple Handle, Carved, Four Improved Screws.

No. 12—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	$23.00	25.00	27.00
	AIAE	BJHJ	BBEJ

8, 9, 10 AND 11 POINTS.
8 point not carried in 20 or 22 in. length.



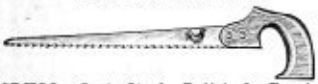
DISSTON'S, Extra Refined London Spring Steel, Highly Polished Skew Back Blade, Selected and Polished Apple Handle, Carved.

No. 112—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	$24.00	26.00	28.00
	BJJJ	BAFE	BCCJ

10, 11 AND 12 POINTS. ONE-THIRD DOZEN IN A BOX.

SAWS AND BLADES.

COMPASS SAWS.



CRUSO, Cast Steel, Polished, Beech Handle, Brass Screws.

No. 51—Inches.....	10	12	14
W't per doz., lbs....	4	4½	5
Per dozen.....	$2.70	2.80	3.00
	ADE	AEJ	AEE

DISSTON'S, Cast Steel. Polished, Apple Handle, Brass Screws.

No. 2—Inches	10	12	14	16
W't per dz. lbs.	5	5½	5½	6
Per dozen...	$4.25	4.50	4.75	5.00
	CEE	CGE	CIE	DAE

ONE-HALF DOZEN IN A BOX.



Polished Blade, Cherry Handle, Two Nickel Plated Screws.

No. 13 —Inches	12	14
W't per doz., lbs.	5½	6
Per dozen	$4.80	5.00
	CFJ	CHJ

ONE-HALF DOZEN IN A BOX.



Interchangeable, Carved Apple Handle, Two Nickel Plated Screws, Crucible Steel Polished Blade.

No. 14 —Inches.	12	14
W't per doz., lbs.	7	8
Per dozen	$5.00	6.00
	DBE	DFJ

Extra Blades for No. 14 .

12 in.	.....per dozen BAJ	$3.50
14 in.	.....per dozen BCJ	3.80

SAWS, ONE-QUARTER DOZEN; BLADES, ONE DOZEN IN A BOX.



DISSTON'S, Interchangeable. Cast Steel Blade. Detachable Beechwood Handle.

No. 4—Inches.....	12	14
W't per doz., lbs.	6	7
Per dozen	$5.00	5.50
	DAE	DFJ

ONE-QUARTER DOZEN IN A BOX.

Extra Blades.

No. 2—Inches	12	14
Per dozen	$2.50	2.75
	BAJ	BCJ

ONE DOZEN IN A BOX.

COMPASS SAWS.





No. 9—Disston's, adjustable, 14 in., cast steel blade, apple-wood handle, w't per doz. 7¼ lbs., per dozen ..EJJ $6.00

ONE-HALF DOZEN IN A BOX.

BACK SAWS.



JACKSON'S, Cast Steel, Polished, Blued Back, Beech Handle, Polished Edge, 3 Brass Screws.

No. 1—Inches.....	10	12
Depth, in.....	2¼	2⅝
W't per doz., lbs.....	10	13
Per dozen	$10.00	12.00
	JHCJ	AJJJ

No. 1—Inches	14	16
Depth	3¼	3½
W't per doz., lbs.....	17	24
Per dozen	$14.00	16.00
	AAFE	ACCJ



Crucible Steel, Polished Edge, Blued Back, Apple Handle, 3 Brass Screws.

—Inches	10	12	14
Depth, in.....	2½	3	3½
W't per doz. lbs.	10½	15	18
Per dozen.....	$14.00	16.00	18.00
	AAFE	ACCJ	ADIE

—Inches	16	20	24
Depth, in.	4	4	4
W't per doz. lbs.	22½	31½	36½
Per dozen	$20.00	24.00	28.00
	AFFE	BJJJ	BCCJ

—Inches	26	28
Depth, in.	4	5
W't per doz., lbs.	39	44
Per dozen	$30.00	36.00
	BEJJ	CJJJ



DISSTON'S, Extra Cast Steel, Polished, Blued Back, Apple Handle, Polished Edge, 3 Brass Screws.

No. 4—Ins.....	8	10	12
Depth in.	2	2½	3
W't per doz. lbs.	9	10	15
Per dozen.....	$13.00	14.00	16.00
	AJHJ	AAFE	ACCJ

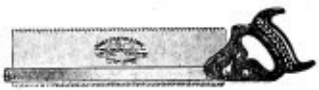
No. 4—Ins.....	14	16	20
Depth, in.....	3½	3⅞	4
W't per doz. lbs.	19	24	31
Per dozen.....	$18.00	20.00	24.00
	AEJJ	AFFE	BJJJ

No. 4—Ins.....	24	26	28
Depth, in.....	4	4	5
W't per doz. lbs.	37	43	49½
Per dozen.....	$28.00	30.00	36.00
	BCCJ	BEJJ	CJJJ

The 20 to 28 in. saws are made especially for mitre boxes.

ONE-THIRD DOZEN IN A BOX.

BACK SAWS.



DISSTON'S, Crucible Steel Blade, Applewood Handle, Nickel Trimmings.

No. 110—Ins...	10	12	14
W't per doz. lbs.	14½	17	20
Per dozen....	$17.00	19.00	21.00
	ACEJ	AEBE	AFHJ

The back of this saw constitutes a slot through which the blade slides, enabling the workman to move, space and adjust it to any desired width from edge of back. One side of blade is for cross cut and the other side for rip sawing.

ONE-THIRD DOZEN IN A BOX.

STAIR BUILDERS' SAWS.



No. 400—Disston's, 6 in. cast steel blade, polished beech handles, brass screws, w't per doz. 8 lbs., per dozen.....CIE $4.75

ONE-HALF DOZEN IN A BOX.

KEYHOLE SAWS.



No. 95—Disston's, round hardwood handle, polished, nickel plated ferrule, 10 in. ground thin-back blade, w't per doz. 3 lbs. .....per dozen **CFJ** $4.00

The handle is slotted clear through, permitting the adjustment of blade for length of cutting edge required. The blade is firmly held in place by means of a steel grip inside of handle, tightened by nickel plated thumb screw.

ONE-HALF DOZEN IN A BOX.

KEYHOLE SAWS AND PADS.



No. 10—Disston's, japanned iron handle, 7 in. cast blade, w't per doz., 2½ lbs., per dozen.....AFE $2.00

No. 15—Iron pad keyhole saw blades, w't per doz. ¼ lb., per dozen.....AAE $1.40

ONE DOZEN IN A BOX.

KEYHOLE SAW BLADES.

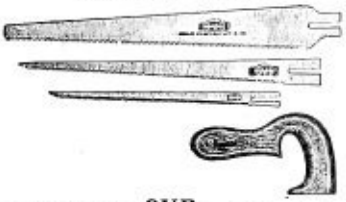


No. 16—Disston's, polished cast steel, ground, set and sharpened, assorted sizes, 8, 9, 10, 11 and 12 in., per dozen .....AFE $2.00

ONE DOZEN IN A BOX.

SAWS AND BLADES.

NESTS OF SAWS.



No. 5—Beech handle, 2 nickel plated screws, 3 detachable steel blades, making 10 in. keyhole saw, 14 in. compass saw and 18 in. pruning saw, w't per doz. 10 lbs.,
per dozen .....**AJJJ** $12.00
ONE-QUARTER DOZEN IN A BOX.



No. 5—Disston's, polished applewood handle, with 2 nickel plated saw screws, 3 detachable cast steel polished blades, making 10 in. keyhole saw, 14 in. compass saw, and 18 in. pruning saw, w't per doz. 12 lbs.,
per dozen .....**AJJJ** $12.00
No. 1—Keyhole saw blades for above, per dozen .....**AFE** $2.00
No. 2—Compass saw blades for above, per dozen .....**BCJ** $2.75
No. 3—Pruning saw blades for above, per dozen .....**DFJ** $5.50
No. 15—Handles for above,
per dozen .....**ADE** $1.75
NO. 5, ONE-QUARTER DOZEN; BLADES, ONE DOZEN IN A BOX.



No. 6—Polished beechwood handle, with 2 polished iron saw screws, 3 detachable blades, making 10 in. keyhole saw, 14 in. compass saw, and 18 in. pruning saw, w't per doz. 12 lbs., per dozen .....**FIJ** $9.00
ONE-QUARTER DOZEN IN A BOX.

PLUMBERS' NESTS OF SAWS.



No. 600—Disston's, consists of handle, tightener, and 3 blades, one 18 in. specially tempered, for wood and metal, one 14 in. compass blade and one 12 in. keyhole blade, w't per doz. 14½ lbs. .....per dozen **AEJJ** $18.00
The blades are fastened in the handle by means of the special lever device, which is so arranged as to take in the different thicknesses of the various blades, the pin in bolt-head being moved forward or backward as may be required; and this at the same time, permits the keeping of the lever on a line with the handle so it will not interfere with the working of the saw. No screw driver required.
ONE-QUARTER DOZEN NESTS IN A BOX.

COPING SAWS.



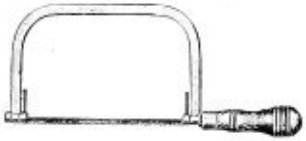
No. 202 GVB—Nickel plated steel frame, polished hardwood handle,, adjustable to any position, ⅛x6½ in. cut tooth blade, w't per doz. 7 lbs., per dozen .....**JFFJ** $11.00
ONE IN A BOX; ONE EXTRA BLADE.

No. 20 GVB—Extra blades for GVB Coping Saws ...per gross **DHJ** $9.00
These blades are evenly tempered and will cut light metals in addition to wood.



No. 150 REVONOC—Polished steel frame, stained handle, adjustable, ⅛x6½ in. cut tooth, tempered blade with pin, w't per doz. 7 lbs.,
per dozen .....**JDHJ** $10.00
TWO IN A BOX.

Extra Blades, for No. 150 REVONOC per gross .....**DHJ** $9.00



No. FPM—⅛x6½ in. blade, solid steel frame, oak handle, adjustable to any position, w't per doz. 5¼ lbs., per dozen .....**JFFJ** $11.00
Extra Blades, with pin, for No. FPM, assorted .....**per gross DHJ** $9.00
These blades are so evenly tempered they will cut light metals as well as wood, and can be filed.
FOUR SAWS IN A BOX; ONE EXTRA BLADE.



No. 100—¼ in. nickel plated steel frame, 6 in. blade with turned ends, 2 slots, for sawing at right angles, 1 dozen extra blades with each saw, w't per doz. 4½ lbs. ....per dozen **BJJ** $4.50
No. 101—Extra blades for above, per gross .....**JIJ** $2.40
SAWS, ONE-HALF DOZEN IN A BOX; BLADES, ONE DOZEN IN A BUNDLE.

COPING SAWS.

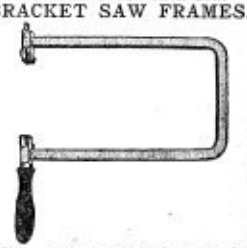


No. 210—⅛x6 in. cut tooth and tempered blade, nickel plated steel frame, adjustable wood handle, one blade with each saw, w't per doz. 4 lbs., per dozen .....**BDJ** $6.00
Extra blades for No. 210,
per gross .....**DEJ** $7.50
ONE-HALF DOZEN IN A BOX.



No. 01—Jones', cable, nickel plated frame, hardwood handle, 6 in. blade, depth from blade to back 4 in., complete with one-half dozen blades, w't per doz. 7 lbs., per doz. **ABJJ** $15.00
ONE-SIXTH DOZEN IN A BOX.

BRACKET SAW FRAMES.



No. 61½—12 in. polished steel frame, ebonized wood handle, for 5 in. blades, w't per doz. 7 lbs.,
per dozen .....**CJJ** $5.00
ONE DOZEN IN A PACKAGE.

BRACKET SAW BLADES.



Length 5 Inches.			
Nos.	2/0—finest to 6—coarse	8	10
Per gross ...	$1.00	1.20	1.30
	JFJ	JGJ	JHE

ONE GROSS IN A PACKAGE.

BARNES' SCROLL SAW BLADES.

7 in.—Widths ⅛, 3/16, ¼, 3-32, ⅜ in., and assorted .....per dozen **JEJ** $1.00

TURNING AND FELLOE WEBS.



Length, in...	10	12	14	16
Width, in...	3/16 to ½	3/16 to ⅝	3/16 to ⅝	¼ to 1⅛
Per dozen ..	$1.60	1.85	2.10	2.35
	ACE	AEJ	AGE	AIE
Length, in...	18	20	22	24
Width, in...	¼ to ½	¼ to ⅝	¼ to ⅝	¼ to ¼
Per dozen ..	$2.70	3.00	3.30	3.65
	BBE	BEJ	BGE	CJE
Length, in.	26	28	30	
Width, in.	¼ to ¼	¼ to ⅞	¼ to 1	
Per dozen	$4.00	4.40	4.80	
	CCE	CFE	DJJ	

ONE DOZEN, ASSORTED, IN A PACKAGE.

SAWS, FRAMES AND BLADES.

HACK SAW FRAMES.



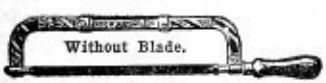
No. 24—Adjustable, for blade 8 to 12 in., extra heavy tempered, compact and rigid back, latest handle adjustment which can be instantly adjusted to any desired length, finely nickel plated frame, cherry handle, without blade, w't per doz. 18 lbs., per dozen .....**ABJJ** $18.00

ONE IN A BOX.



No. 25—Adjustable, for blades 8 to 12 in., heavy steel frame, nickel plated, blades can be faced four ways, w't per doz. 14 lbs., per dozen .....**JHAB** $12.00

TWO IN A BOX.



No. 10—Miller's Falls, nickel plated steel extension frame, with rounded edges, for 8 to 12 in. blades, blade adjustable in position, cocobolo screw-off handle, without blade, w't per doz. 15 lbs. .....per dozen **AAFE** $18.00

ONE IN A BOX.



No. 55—Cruso, adjustable, for 8 to 12 in. blades, steel frame, nickel plated, stained handle, without blade, w't per doz. 12 lbs. ...per dozen **JDFJ** $10.00

ONE IN A BOX.



No. 4—Star, 9 in., japanned malleable iron reversible frame, rosewood handle, without blade, w't per doz. 15 lbs., per dozen .....**CCJ** $4.80

ONE-HALF DOZEN IN A BOX.



No. 121—8 in., japanned malleable iron, enameled reversible handle, without blade, w't per doz. 11 lbs., per dozen .....**BCJ** $4.00

ONE-HALF DOZEN IN A BOX.

SAWS AND BLADES.

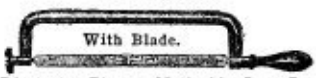


No. 30—Adjustable, for blades 8 to 12 in., rigid back, nickel plated frame, apple handle, w't per doz. 16 lbs. .....per dozen **ABJJ** $18.00



No. 1027—Millers Falls, adjustable for blades 8 to 12 in., nickel plated frame, black composition handle, w't per doz. 18 lbs. .....per dozen **ABJJ** $18.00

ONE IN A BOX.



Disston's, Tinned Malleable Iron Reversible Frame, Polished Steel Blade, Stained Handle.

No. 20—Inches	8	10	12
W't per doz., lbs.	15	16	16½
Per dozen	$8.30	9.00	9.75
	FIJ	**GEJ**	**HAJ**

ONE-THIRD DOZEN IN A BOX.

RAIL HACK SAW FRAMES.



Forged Steel Frame, Solid Beech Handle, For Sawing Sockets, Beams, Rails, Etc.

Nos.	57	58
For blades, in.	12	14
Depth under back, in.	10¼	10¼
W't per doz., lbs.	43	46
Per dozen	$22.00	25.00
	ADJJ	**ADHJ**

Nos.	59	61
For blades, in.	16	18
Depth under back, in.	10¼	10¼
W't per doz., lbs.	57	60
Per dozen	$30.00	36.00
	AHBE	**BAHE**

Nos. 59 and 61 have two handles.

HACK SAW BLADES.



DISSTON'S Polished.

Length, in.	8	10	12	14
Width, in.	5/8	¾	¾	⅞
Per dozen	$2.30	2.50	2.70	3.25
	AIJ	**BJE**	**BBE**	**BGJ**

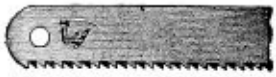
ONE DOZEN IN A BOX.

STAR, Natural Finish.

Length, in.	8	9	10	12
Width, in.	7/16	½	½	½
Per dozen	$0.67	.75	.84	1.05
	CE	**DJ**	**DE**	**JEE**

ONE-HALF GROSS IN A BOX.

HACK SAW BLADES.



All Hard, Natural Finish, 14, 18 or 23 Points.

No. 1—

Length, in.	8	9	10	12
Width, in.	½	½	½	⅝
Per dozen	$0.67	.75	.84	1.05
	EJ	**ED**	**FJ**	**JGE**

14 points is regular, 18 points medium, 23 points fine.



Flexible, Blued, Soft Back, Hard Blade.

No. 2—

Length, in.	8	9	10
Width, in.	½	½	½
Per dozen	$0.67	.75	.84
	EJ	**EE**	**FJ**

No. 2—Length, in.	12	18
Width, in.	½	⅝
Per dozen	$1.00	1.80
	JGE	**ABE**

Flexible, Blued, Soft Back, Hard Blade 32 Points.

No. 2—Length, in.	10	12
Width, in.	½	⅝
Per dozen	$0.84	1.05
	FJ	**JGE**

8 to 12 in. blades have 18 teeth and 18 in. have 14 teeth to the inch, made for cutting tool and machinery steel, and all around machinists' work.

Power, All Hard, Natural Finish, 14 Points and 21 Gauge.

No. 4—

Length, in.	12	14	12
Width, in.	⅝	¾	¾
Per dozen	$1.20	1.58	1.35
	JHE	**AAE**	**JIE**

18 Gauge, 10 Points.

No. 4—

Length, in.	14	17	17
Width, in.	¾	¾	1
Per dozen	$2.28	2.77	3.48
	AFE	**BJJ**	**BEJ**

Lengths given are measured from center to center of holes, an allowance being made for stretch of blade, excepting 14 and 17 inch lengths; these measure from center to center 13½ and 16½ in.

regular blades are recommended for cutting soft steel and cast-iron. Medium blades are good all-round saws, desirable for cutting tool steel and hard metals. Fine blades are adapted for cutting tool steel, drill rod, iron pipe, sheet metal, brass, etc. Hard blades are preferable to flexible for the average user.

When inserting hand blades strain well in frame. Run slowly (not over 60 strokes a minute). Bear hard on forward stroke to avoid slipping and lift slightly on backward stroke. Avoid bending sideways, adding pressure as edge of teeth wear and tighten blade in frame after first few cuts.

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.

SAWS AND SAW KNIVES.

PRUNING SAWS.



No. 44 —18 in., double edge cast steel blade, beechwood handle with 3 brass screws, w't per doz. 8½ lbs., per dozen .....FCJ $7.75
ONE-THIRD DOZEN IN A BOX.



No. 48—Duplex, 18 in. cast steel blade, beech handle, polished edge, 3 screws, w't per doz. 11 lbs., per dozen .....FCJ $7.75
ONE-THIRD DOZEN IN A BOX.



No. 43—Paragon, 18 in. cast steel blade, beech handle, polished edge, 3 screws, w't per doz. 11 lbs., per dozen .....JHDJ $10.50
ONE-THIRD DOZEN IN A BOX.



No. 7.

No. 3—20 in., Brown's, cast steel blade, apple handle, polished edge, 2 screws, w't per doz. 10½ lbs., per dozen .....FHE $8.25
No. 7—20 in., Disston's, cast steel blade, apple handle, polished edge, 2 screws, w't per doz. 11 lbs., per dozen .....JIAE $11.00
ONE-THIRD DOZEN IN A BOX.



No. 45 —California pattern, 14 in. cast steel blade, beech handle, polished edge, w't per doz. 6½ lbs., per dozen .....EDJ $9.00
ONE-HALF DOZEN IN A BOX.



No. 50—Disston's, crescent California pattern, 12 in. blade, w't per doz. 8 lbs. .....per dozen EDJ $6.50
ONE-HALF DOZEN IN A BOX.

PRUNING SAWS.



No. 19 —18 in., crucible steel blued blade, flat polished back and hardwood handle, w't per doz. 21 lbs., per dozen .....ABJJ $24.00
Blades can be adjusted to any position.
ONE-SIXTH DOZEN IN A BOX.

Extra Blades for No. 19, w't per doz. 14 lbs.,..... per dozen BAE $3.00



No. 55—Disston's, improved pole pruners, screw socket, japanned frame, 10 in. cast steel saw and 4 in. knife, w't per doz. 25 lbs., per dozen .....JIAE $11.00

ONE-QUARTER DOZEN IN A BOX.



No. 10—Disston's, tapered pole, polished steel frame, socket handle, 14 in. blade, without pole, w't per doz. 36 lbs. .....per dozen ADIJ $16.00

ONE-SIXTH DOZEN IN A BOX.

Extra Blades for No. 10, per dozen .....AEJ $2.50

PRUNING SAWS.



No. 15—Pacific Coast, 14 in. crucible steel blade, blued steel back, hardwood handle, with thumb screw, w't per doz. 18 lbs., per doz. ABFJ $16.00

The blade can be adjusted to any angle.

ONE-SIXTH DOZEN IN A BOX.

Extra Blades for No. 15, per dozen .....AEJ $2.50

KITCHEN SAWS.



Extra Quality Steel, Finely Polished, Flat Back and Blade, Beech Handle, 3 Brass Screws.

—In..	12	14	16	18
W't per doz., lbs.	12	13	14	16
Per dozen ..	$6.00	6.50	7.00	7.50
	DDJ	DGJ	EJJ	EDJ



Polished Steel, Flat Back and Blade.

Cruso—In. ..	12	14	16	18
W't per doz., lbs.	9½	11	12	13
Per dozen ..	$4.50	5.00	5.50	6.00
	BEJ	BGJ	BHJ	CJJ

ONE-HALF DOZEN IN A BOX.

SAW KNIVES.



No. 13—11 in. cast steel blade, combining butcher knife and saw, 5 in. polished beechwood handle, w't per doz. 5 lbs. .....per dozen CCJ $5.50

ONE DOZEN IN A BOX.

DEHORNING SAWS.



No. 1—Disston's, japanned, malleable iron frame, 10 in. polished blade, beech handle, w't per doz. 14 lbs., per dozen .....JEGJ $10.00
No. 2—Atkins', japanned, malleable iron frame, 10 in. polished blade, beech handle, w't per doz. 15 lbs., per dozen .....EGJ $8.00
No. 11—10 in. Disston's blades, per dozen .....AAJ $1.35
No. 12—10 in. Atkins' blades, per dozen .....AAJ $1.35
NOS. 1 AND 2, ONE-HALF DOZEN; NOS. 11 AND 12, ONE-HALF GROSS IN A BOX.

SAWS AND SAW BLADES.

BUTCHERS' SAWS.



Polished Steel Flat Back, 1 Inch Clock Spring Blued Blade.

No. 33 — Inches	14	16	18
W't, doz., lbs.	25	27	29
Per dozen	$13.50	15.00	16.50
	JGEE	JHBJ	JIBJ

No. 33 —Inches	20	22
W't per doz., lbs.	30	31
Per dozen	$19.00	21.00
	AJDJ	AADJ

No. 33 —Inches	24	26
W't per doz., lbs.	33	35
Per dozen	$22.50	24.00
	ABEJ	ACDE



"CRUSO," Polished, Flat Steel Back, ⅝ Inch Blued Steel Blade.

20 in., w't per doz. 26½ lbs., per dozen.....JGGJ $12.00
22 in., w't per doz. 28½ lbs., per dozen.....JHAJ 13.00



DISSTON'S, Polished Steel Flat Back, 1 Inch Polished Blade.

No. 2—Inches.	16	18	20
W't, doz., lbs.	20	21	23
Per dozen	$11.50	12.00	12.50
	JHIJ	JICJ	JIGJ

No. 2—Inches	22	24
W't per doz., lbs.	24	25
Per dozen	$13.25	14.00
	AJCJ	AJHE



DISSTON'S, Polished Flat Steel Back, ⅝ Inch Polished Blade.

No. 7—Inches.	18	20	22
W't, doz., lbs.	26	33	36
Per dozen	$14.25	15.00	15.75
	AAJE	AAFE	ABBJ

No. 7—Inches.	24	26	28
W't, doz., lbs.	38	41	45
Per dozen	$16.50	17.25	18.00
	ABHJ	ACDJ	ADJJ

ONE-THIRD DOZEN IN A BOX.

Size given on butchers' saws is length of blade.

BUTCHERS' SAW BLADES.



Clock Spring, Blued, 1 Inch Wide.

No. 56 — Inches	16	18	20
Per dozen	$4.00	4.25	4.50
	BGJ	BIE	CJE

No. 56 — Inches	22	24	26
Per dozen	$4.75	5.00	5.25
	CBJ	CCJ	CDJ



DISSTON'S, Polished Cast Steel, ¾ and 1¼ Inch Wide.

No. 50—In...	22	24	26	28
Per dozen	$3.90	4.10	4.30	4.50
	CJE	CBJ	CCE	CEJ

It is customary to send 1¼ inches where width is not specified.

ONE DOZEN IN A BOX.

DISSTON'S, Clock Spring, Blued, ¾ Inch Wide.

No. 51—Inches	24	26	28
Per dozen	$4.30	4.50	4.75
	CCJ	CEJ	CGJ

BUTCHER COILS.



Butchers' Coil.

No. 025 —⅝ in. x 25 ft., finest quality blued clock spring steel, tempered, set, sharpened and fully warranted, 11 teeth to the inch, w't per coil 1¼ lbs.....per coil **AHJ** $3.00
No. 026 —¾ in. x 25 ft., otherwise same as No. 025 , per coil .....**BJJ** $3.90

These saw blades are filed, set and re-filed after setting. They are first quality in every respect, and can be resharpened if desired. Can be readily cut to any desired length and punched, thus making it unnecessary to carry several sizes in stock.

ONE COIL IN A BOX.

WOOD SAW BLADES.



No. 132 —Plain, polished cast steel, set and sharpened, 30 in., 4 pt., w't per doz. 6½ lbs., per dozen.....**CFJ** $6.50
No. 132½ —5½ pt., otherwise same as No. 132 , per dozen .....**CFJ** $6.50

WOOD SAW BLADES.



No. 134 —Champion tooth, polished, cast steel, set and sharpened, 30 in., w't per doz. 6⅞ lbs., per dozen .....**DAJ** $7.00
No. 134½ —Three point, otherwise same as No. 134 , per dozen .....**DAJ** $6.80

ONE-HALF DOZEN IN A PACKAGE.



No. 0145 —Extra thin back, narrow blued clock spring blade, set and sharpened, 30 in., w't per doz. 6 lbs., per dozen .....**CFJ** $6.00

ONE-HALF DOZEN IN A PACKAGE.



No. 78 —Champion tooth, extra cast steel, set and sharpened, 30 in., w't per doz. 7 lbs..per doz. **DAJ** $6.00



No. 0140 —Extra thin back, bow belly blade, extra cast steel, set and sharpened, 30 in., 4 pt., w't per doz. 8 lbs.....per dozen **CFJ** $6.00



No. 4—Jackson's, cast steel, set and sharpened, 30 in., w't per doz. 7 lbs., per dozen.....**BIJ** $4.00



No. 6—Disston's, cast steel, patent ground and tempered, set and sharpened, 30 in., w't per doz. 7 lbs., per dozen .....**EDJ** $7.50
No. 36—Disston's, 3½ points, otherwise same as No. 6...per dozen **EDJ** $7.50
No. 11—Disston's, extra cast steel, for wood sawyers, set and sharpened, 30 in., w't per doz. 6¾ lbs., per dozen .....**JGBJ** $11.25

ONE DOZEN IN A PACKAGE.



No. 25 —Cast steel, blued, set and sharpened, 30 in., width 1¼ in., w't per doz. 3½ lbs..per dozen **BGJ** $4.50



No. 045—Disston's, extra thin back, narrow blued clock spring blade, set and sharpened, 30 in., w't per doz. 5 lbs.....per dozen **EAJ** $7.50

ONE DOZEN IN A PACKAGE.

WOOD SAWS, FRAMES, RODS AND BUCKS.

WOOD SAWS.



No. 32—Black enameled long and short arms, blue center, 30 in. extra quality, plain steel blade, 4½ points to the inch, extra heavy tinned rod, with bronzed turn buckles, w't per doz. 58 lbs., per doz. **JHDJ** $13.00

No. 232—Black enameled long and short arms, blue center, 30 in., extra quality, plain steel blade, 3 points to the inch, extra heavy tinned rod, with bronzed turn buckles, w't per doz. 58 lbs., per doz. **JHGJ** $13.50



No. 34—Black enameled long and short arms, blue center, 30 in., extra quality Champion tooth blade, 4½ points to the inch, extra heavy tinned rod, with bronzed turn buckles, w't per doz. 58 lbs., per dozen ..... **JHGJ** $13.50

No. 234—Black enameled long and short arms, blue center, 30 in. extra quality Champion tooth blade, 3 points to the inch, extra heavy tinned rod, with bronzed turn buckles, w't per doz. 58 lbs., per dozen ..... **JHGJ** $13.50

ONE-HALF DOZEN IN A BOX.



No. 178—Patent frame, painted red, No. 78—30 in. Champion tooth extra cast steel blade, 22 in. clipper rod, w't per dozen 55 lbs., per dozen ..... **JGBJ** $12.00

ONE-HALF DOZEN IN A CASE.

WOOD SAWS.



No. 140—Patent frame, painted red, 30 in. thin back bow belly blade, clipper rod, w't per doz. 55 lbs., per dozen ..... **JFIJ** $10.50

No. 145—Patent frame, painted red, 30 in. thin back clock spring blade, clipper rod, w't per doz. 55 lbs., per dozen ..... **FJJ** $9.50

Cruso—Patent frame, painted red, 30 in. good grade plain blade, clipper rod, w't per doz. 55 lbs., per dozen ..... **EEJ** $9.50

ONE-HALF DOZEN IN A CASE.



No. 45—Patent frame, stained and varnished, Disston's clock spring thin back blade, duplex rod, w't per doz. 58 lbs. .....per dozen **JHHJ** $13.50

ONE-HALF DOZEN IN A CASE.



No. 111—Wood Sawyer's Delight, patent frames, selected ash, oiled, Disston's No. 11 extra thin back, London spring, patent ground blade, extra heavy tinned rod, w't per doz. 58 lbs., per dozen ..... **AAEJ** $16.00

ONE-HALF DOZEN IN A CASE.



Boys'.

Cut-I-Cure-U, Jr., wood saw and buck, painted red, 18 in. plain blade, w't per doz. 21 lbs.....per dozen **EDJ** $9.00

ONE IN A BOX.

WOOD SAW FRAMES.



No. 144—Braced frame, painted red, for 22 in. saw rod, without saw rod; w't per doz. 24 lbs...per dozen **BDJ** $4.50

No. 141—Short end pieces, w't per doz. 9 lbs. .....per dozen **JFJ** $1.40

No. 142—Long end pieces, w't per doz. 10½ lbs. .....per dozen **JHE** $1.60

No. 143—Center pieces, w't per doz. 4½ lbs. .....per dozen **JHE** $1.40

This frame is the same as that used for Nos. 140 and 145 wood saws.

ONE-HALF GROSS IN A BOX.

SAW RODS.



No. 5—22 in., Clipper, w't per doz. 4¼ lbs. .....per dozen **JGJ** $1.50

ONE DOZEN IN A PACKAGE.



No. 15—22 in., Duplex, w't per doz. 6 lbs.....per dozen **JHE** $1.60

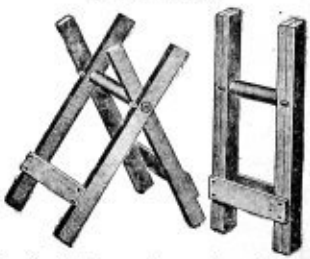
ONE DOZEN IN A BOX.



No. 25—22 in., Samson, extra heavy, tinned, japanned center, w't per doz. 8¼ lbs. .....per dozen **AAE** $2.25

ONE DOZEN IN A PACKAGE.

SAW BUCKS.



No. 1—Folding, w't per doz. 80 lbs., per dozen ..... **BDJ** $4.00

ONE-HALF DOZEN IN A CRATE.

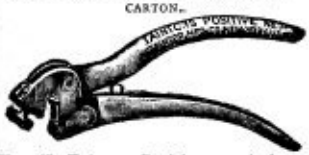
SAW SETS.



[illegible], Special, nickel plated, adjustable for setting hand saws 4 to 16 points, rotary anvil with indicator for setting to corresponding number of teeth on saw, the gauge screw is provided with lock nut and the under lever prevents the set from wabbling when used, length 6½ in., w't per doz. 10 lbs. .....per dozen **JIEJ** $15.00



[illegible], blued finish, for hand saws, adjustable anvil and sliding gauge on top, w't per doz. 9½ lbs., per dozen .....**JFHE** $10.00
ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



No. 17—Taintor Positive, entirely of steel, parts interchangeable, length 6¼ in., w't per doz. 6¼ lbs., per dozen .....**JGHJ** $14.00
Twenty adjustments are obtainable. The punch moves in nearly the same circle as the tooth which it sets, consequently the tooth is not distorted nor its point curled. Faces of anvil are numbered and will produce any setting required.



No. 105—Morrill's Pattern, polished, for timber and board saws, from 6 to 14 gauge—circumference of saw makes no difference—length 15 in., w't per doz. 42 lbs. ....per dozen **ACBJ** $18.00
No. 103—Morrill's Pattern, polished, for single tooth cross-cut and small circular saws, length 10 in., w't per doz. 14½ lbs.....per dozen **JGHJ** $14.50
No. 104—Morrill's Pattern, polished, for Champion or M tooth cross-cut saws, length 10 in., w't per doz. 12 lbs., per dozen .....**JGHJ** $14.50



No. 62—Morrill's Pattern, polished, for hand saws, length 7 in., w't per doz. 8 lbs. .....per dozen **CFJ** $7.50
ONE-HALF DOZEN IN A BOX.



No. 01—Morrill's, polished, for hand saws, length 7 in., w't per doz. 8 lbs., per dozen .....**FJJ** $8.00
Extra Plungers, for No. 01, each .....**AE** .20
Extra Anvils and Screws, for No. 01, per set .....**BE** $0.40



No. 1—Morrill's, polished, for hand saws, length 6½ in., w't per doz. 8 lbs.....per dozen **JHJE** $12.00
Extra Plungers, for No. 1, each .....**AD** .20
Extra Anvils and Screws, for No. 1, per set .....**BE** $0.40



No. 11—Morrill's, polished, for hand scroll and band saws, length 6¼ in., w't per doz. 8 lbs., per dozen .....**JIJJ** $13.50



No. 95—Morrill's, polished, for hand saws, adjustable for 4 to 12 points, length 7 in., w't per doz. 7 lbs., per dozen .....**JIJJ** $13.50
The adjustable feature whereby the correct set for every saw (according to the number of teeth to the inch) is instantly found, is an important improvement over anything yet produced by this maker. The wheel bearing numbers can be instantly adjusted.
ONE-HALF DOZEN IN A BOX.



No. 50—Morrill's Special, polished, for hand saws, adjustable for 4 to 16 points, length 6 in., w't per doz. 8 lbs., per dozen .....**JIFJ** $16.00
This saw set is made with an improved revolving anvil and will give the correct set to hand saws having from 4 to 16 teeth to the inch.
ONE-HALF DOZEN IN A WOOD BOX.



No. 3—Morrill's, polished, for single tooth cross-cut and small circular saws, length 9 in., w't per doz. 15 lbs., per dozen .....**ABFJ** $18.00
No. 4—Morrill's, polished, for Champion or M tooth cross-cut saws, length 9 in., w't per doz. 15 lbs., per dozen .....**ABFJ** $18.00
ONE-HALF DOZEN IN A BOX.



No. 5—Morrill's, polished, for timber and board saws, from 6 to 14 gauge—circumference of saw makes no difference—length 14 in., w't per doz. 40 lbs.....per dozen **AGCJ** $22.00
ONE-HALF DOZEN IN A WOOD BOX.



No. 21—Disston's Monarch, polished, for hand and back saws, length 6 in., w't per doz. 6½ lbs., per dozen .....**JGEJ** $12.00
No. 23—Disston's Monarch, polished, for cross-cut saws, length 10 in., w't per doz. 24 lbs.....per dozen **ACHJ** $21.00
NO. 21, ONE-HALF DOZEN; NO. 23, ONE IN A BOX.



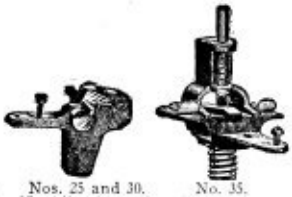
No. 28—Disston's Triumph, polished, for hand saws, web and band saws, length 7½ in., w't per doz. 9 lbs., per dozen .....**JHGJ** $13.50
The principal feature is this use of two plungers operated by two handles, pressure on the lower handle forcing plunger "D" against the body of the saw, thus holding it rigidly in position, while pressure on the upper handle operates plunger "C" in setting the tooth.



No. 13—Stillman's Pattern, blued, wood handle, length 6½ in., w't per doz. 3 lbs. .....per dozen **AEJ** $3.25
ONE-HALF DOZEN IN A BOX.

SAW SETS AND SAW TOOLS.

SAW SETS.



Nos. 25 and 30. No. 35.

No. 25—Aiken's, polished cast steel, w't per doz 6½ lbs., per dozen **DBJ** $6.50

No. 30—Aiken's, polished cast steel, extra quality, w't per doz. 7½ lbs., per dozen .....**EDJ** $9.00

No. 35—Hotchkiss', japanned iron body, steel mandrel and anvil, brass guides, w't per doz. 11 lbs., per dozen .....**JFJJ** $10.00

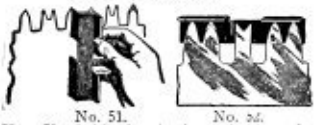
ONE DOZEN IN A BOX.



No. 20—Whiting's pattern, polished steel, for cross-cut saws only, length 3½ in., w't per doz. 3 lbs., per dozen .....**EGJ** $9.75

TWO DOZEN IN A BOX.

SAW GAUGES.



No. 51. No. 52.

No. 51—Atkins', single, w't per doz. 2½ lbs. .....per dozen **JFJ** $1.20

No. 52—Atkins', double, w't per doz. 3 lbs. .....per dozen **JIJ** $2.00

The single gauge is for regulating the length of clearer teeth and width of set in cross-cut saws. The double gauge does the same for both hard and soft wood.

ONE DOZEN IN A BOX.

SAW PUNCHES.



No. 2—Midget, length 5½ in., japanned iron, for punching holes in butcher and hack saw blades, w't per doz. 6 lbs. .....per dozen **EJE** $8.00

ONE IN A BOX.



No. 1—Midget, length 6¾ in., japanned, wood handle, brass ferrule, steel punch, for punching holes in butcher and hack saw blades, w't per doz. 10 lbs. .....per dozen **ACHE** $16.80

ONE IN A BOX.

SAW TOOLS.



Jointing, Raker and Cleaner Tooth Gauge.



Set and Swaging Hammer.



Set Gauge.



Setting Stake.

No. 8—Simond's Crescent, including jointing, raker and cleaner tooth gauge, setting stake, set gauge and set and swaging hammer, w't per doz. sets 22 lbs., per dozen sets .....**ACIE** $18.00



Jointer.

No. 53—Atkins' Dexter, combining jointer, raker tooth, gauge, side file, w't per doz. sets 6 lbs., per dozen sets .....**CFJ** $8.00

ONE-HALF DOZEN SETS IN A BOX.

SAW TOOLS.



Jointer.



Tooth Gauge.



Setting Block.



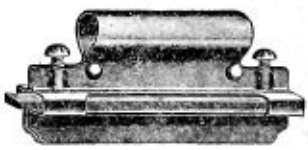
Set Gauge.

No. 54—Atkins' Excelsior, combining jointer, tooth gauge, setting block and set gauge, w't per doz. sets 18 lbs., per dozen sets.....**JEDJ** $12.00

No. 054—Excelsior pattern, otherwise same as No. 54, per dozen sets.....**JDBJ** $12.00

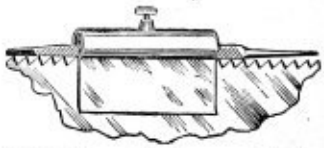
ONE SET IN A BOX.

SAW JOINTERS.



No. 1—Perfect, japanned steel, adjustable, length 4½ in., w't per doz. 8 lbs., per dozen .....**JEAJ** $10.00

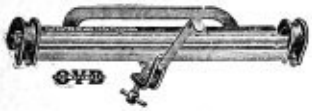
It can be adjusted in a moment to the largest cross-cut or finest handsaw, and will joint or square any straight edge. Flat, triangular or half-round file can be used. Saves time, labor, wear and tear on the hands, and insures accuracy.



No. 3—Andrews, hard brass, nicely finished, length 3 in., takes taper files at right angle, w't per doz. 2 lbs., per dozen .....**DHJ** $8.00

ONE DOZEN IN A BOX.

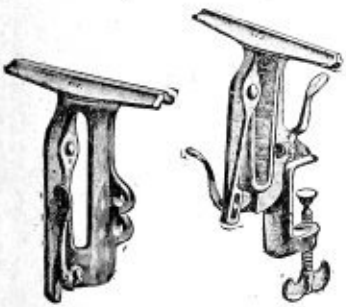
SAW CLAMPS AND VISES.



No. 77—Folding, all steel, japanned, 11½ in. jaws, with rubber cushion, w't per doz. 35 lbs., per dozen .....**JIFJ** $18.00

The saw is clamped the entire length of the jaws by means of the folding handle, and can be jointed as well as filed by inverting the vise.

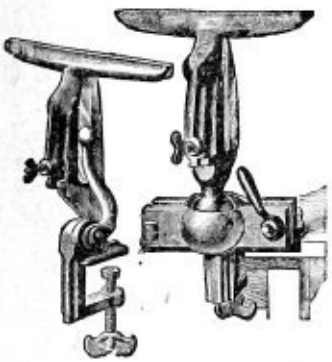
ONE IN A BOX.



No. 0. No. 3-S.

No. 0—Cruso, japanned, 9½ in. jaws, light pattern, w't per doz. 36 lbs., per dozen .....**CJJ** $8.50

No. 3-S—Cruso, adjustable, japanned, 9½ in. jaws, malleable screw clamp, w't per doz. 51 lbs., per dozen .....**JEDJ** $11.00



No. 10. No. 12.

No. 10—Adjustable, japanned, 9½ in. jaws, malleable screw clamp, w't per doz. 54 lbs., per dozen **JEIE** $12.00

No. 12—Ball and socket, japanned, 9½ in. jaws, adjustable to any position, malleable screw clamp, w't per doz. 78 lbs., per dozen **JHAJ** $15.00



No. 15—T and channel steel, baked japan finish, nickel plated trimmings, 11½ in. jaws, rubber cushion, w't per doz. 34 lbs., per dozen .....**JIFJ** $18.00

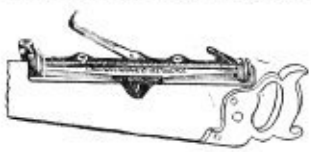
The saw is held securely by lever clamp on back jaw and is below the top of the vise.



No. 1-W—Wentworth's, japanned, 11 in. rubber cushioned jaws, w't per doz. 57 lbs.....per dozen **JFBE** $13.00



No. 3-W—Wentworth's, adjustable, japanned, 11 in. rubber cushioned jaws, malleable screw clamp, w't per doz. 66 lbs.....per dozen **JHDJ** $18.00



No. 116—Perfection, malleable iron, japanned, with drive hooks to attach to bench or board, w't per doz. 31 lbs., per dozen .....**JEFJ** $15.00

Can be instantly and securely fastened to a work bench, saw horse, tool box, window sill, to the edge of a board, plank, joist, stick of timber, pile of lumber, rail of a fence, or any other suitable place, without the aid of screws or nails or other means of fastening.

It self-adjusts the saw, saving time, and clamps or releases the same instantly. Will hold saw for jointing by passing blade through and resting the heel on the arch of the clamp.

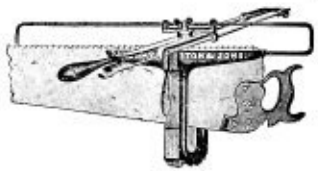
ONE-QUARTER DOZEN IN A BOX.



No. 200—Stearns', overhanging, folding, japanned, noiseless rubber cushioned jaw, w't per doz. 48 lbs., per dozen .....**JHDJ** $18.00

Can be fastened to a bench or board by either the clamp or screws. Clamps fold out of way when not in use.

ONE IN A BOX.

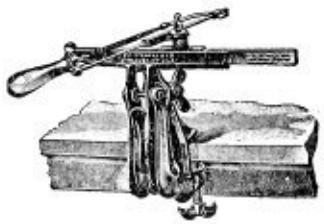


No. 30—Disston's, japanned, extra heavy, adjustable, 12½ in. jaws, screw clamp for attaching to bench, complete with file, w't per doz. 234 lbs., per dozen .....**BEBJ** $30.00

This is especially designed for those not skilled in saw filing, and is a help to an expert. It is adjustable to any and all positions, and when once set it is impossible to change the angle by mistake.

The clamp, guide, file and handle are included and not sold separately.

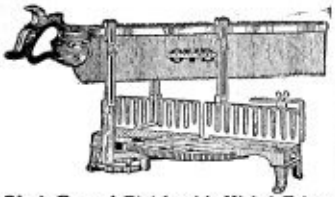
ONE IN A BOX.



No. 25—Stearns', japanned, nickel plated guide, adjustable to three rigid positons, 16 in. flat steel guide bar, 10½ in. planed jaws, rubber cushioned, screw clamp, complete with file, w't per doz. 105 lbs., per dozen .....**BAFJ** $30.00

The guide has three rigid positions in which it holds the file; one position for filing the saw on first side, another for filing it on the opposite side a third for use in filing rip saws only. By means of the ball and socket joint the guide may be set at either of these positions; when thus set the file is rigidly held at the proper angle and incline for filing, it is then impossible to file the teeth inaccurately.

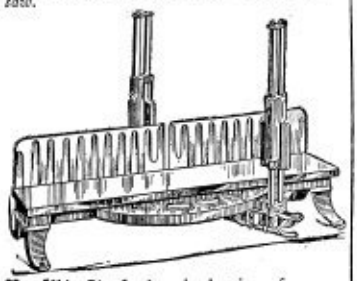
MITRE BOXES.



Black Enamel Finish with Nickel Trimmings—Fitted with Special Back Saw.

Nos.	426	528	530
Saw, in.	26x4	28x5	30x5
Cap. at right angles, in.	8	8	9
Cap. at 45 degrees, in.	6¼	6¼	7
W't, lbs.	39	40	41
Each	$13.50	14.00	14.50
	AADJ	ABFJ	ACBJ

The notched segment and locking device is the most important improvement made in Mitre Boxes in years as every angle is positive. The arrangement of work clamps make it possible to handle a wider range of work than with any other Mitre Box. The device for controlling the depth of saw cut and supporting saw above the work is in one piece. A slight blow on top of saw will release it when held above the work. Cast lugs on sides of saw guide posts hold saw guides in position so that saw slots are always in line to receive the saw.



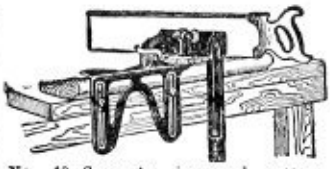
No. 50½—Stanley's, single-piece frame, base and back accurately machined, all parts interchangeable, adjustable saw guides, either back or panel saws may be used, w't 21 lbs., each .....DHJ $6.50



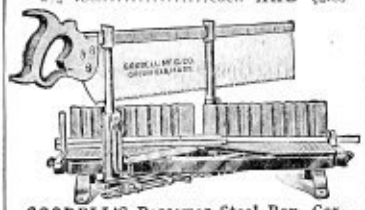
OLMSTED'S, Hardwood, Oiled, Iron Guides.

No. 1—For 1½x3 in. wood, w't 3¾ lbs., each .....AJJ $2.00
No. 2—For 2½x4 in. wood, w't 10¼ lbs., each .....AEE $3.00
No. 3—For 1½x3 in. wood, w't 6¼ lbs., each .....ABE $2.50
No. 4—For 2½x4 in. wood, w't 11 lbs., each .....AHJ $3.50

The guides can be adjusted to any thickness or pattern of saw; the frame cannot be cut away.



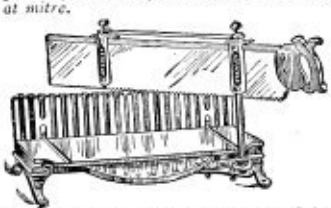
No. 10—Seavey's, improved pattern, japanned, nickel plated bright parts, adjustable to any angle, degrees marked on bar with set screw, w't 2¾ lbs.....each **AHE** $2.00



GOODELL'S Bessemer Steel Box, Corrugated Cold Rolled Steel Back, Complete with Disston's Saw and Attachments.

Nos.	264	285	305	306
Saw, in.	26x4	28x5	30x5	30x6
W't lbs.	30	35	40	45
Each	$12.00	13.25	13.50	15.25
	AJHJ	AAIE	ABAJ	ACHJ

These boxes have automatic stops to hold up the saw, allowing the operator to use both hands in placing the wood. The backs are corrugated to ¼ in. in depth and ½ in. in width, allowing perfect clearance for sawdust. These boxes give 10½ in. at right angles and 7¼ in. at mitre.

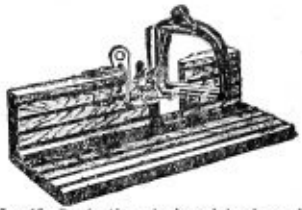


STANLEY'S, Single Piece Frame, Malleable Iron Legs, Steel Saw Guide, Rods, Complete with Disston's Saw.

Nos.	242	244	246
Saw, in.	22x4	24x4	26x4
W't lbs.	27	30	33
Each	$10.75	11.00	11.25
	JIJJ	JIBJ	JIEJ
Nos.	346	358	460
Saw, in.	26x4	28x5	30x6
W't in.	35	40	45
Each	$12.25	13.00	16.00
	AJBJ	AJHJ	ABIE

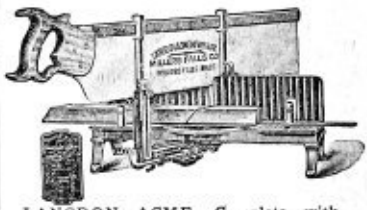
Nos. 242, 244 and 246 have a right angle capacity of 8¼ in., 5½ in. at 45 deg. and 3½ in. at 30 deg. Nos. 346 and 358 have a right angle capacity of 9½ in., 6½ in. at 45 deg. and 4½ in. at 30 deg.

In these boxes the saw is supported above the work; the swivel is clamped automatically. Supplied with a spring catch, which allows the swivel to swing free. A second socket in swivel allows use of short saw. All parts are interchangeable. ONE IN A CASE.



No. 15—Perfection, bed and back made from selected wood with inlaid strips to prevent warping, can be used with a back, hand or panel saw, capacity 45, 36, 30, 22½ and 9 degrees, w't 7 lbs.....each **BDJ** $4.00

TWO IN A BOX.



LANGDON ACME, Complete with Disston's No. 6 Saw.

Nos.	68	69	73
Saw, in.	22x4	24x4	26x4
W't, lbs.	35	35½	35
Each	$10.00	10.50	12.00
	JHIJ	JICE	AJFE
Nos.	74		75
Saw, in.	28x5		30x5
W't, lbs.	35½		42
Each	$14.00		14.50
	AAGJ		ABBJ

Capacity at mitre for Nos. 68 and 69 is 5 in., for Nos. 73, 74 and 75 is 7 in. Capacity at right angles for Nos. 68 and 69 is 7½ in., for Nos. 73, 74 and 75 is 10¼ in.

In addition to notches for the positive angles commonly in use, the box has a graduated arc in front with the various degrees marked on it. A metal index plate with degrees marked thereon is attached to machine.



No. 20—Marsh, mitre machine and picture frame vise, malleable iron, japanned frame, saw is 26x4½ in., will cut any moulding 5 in. in width, or less, and will join any frame 7½x7½ in. or larger, w't 20 lbs., each .....ABJJ $15.00

Has a rule and measure gauge from either side of the machine alike, making it possible to cut the sides and ends of a frame the same length. The clamps on either side hold the work securely in position. ONE IN A CASE.

ALL SAWS FURNISHED WITH MITRE BOXES SHOWN ON THIS PAGE ARE ELEVEN POINTS TO THE INCH.

BENCH STOPS AND SCREWS, CLAMP HEADS, ETC.

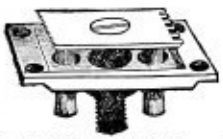
BENCH STOPS.



QUICK SET BENCH STOP

No. 5—3x1¼ in., polished face, reversible, with patent spring catch, can easily be raised with nail or screw driver, w't per doz. 12 lbs., per dozen.....**EDJ** $9.00

ONE-HALF DOZEN IN A BOX.



No. 10—Hotchkiss', 3½x1½ in., polished face, reversible, w't per doz. 8 lbs., per dozen.....**CIJ** $8.00

ONE DOZEN IN A BOX.



No. 20—Morrill's pattern, 3½x2 in., polished face, w't per doz. 12 lbs., per dozen .....**JEIJ** $11.00

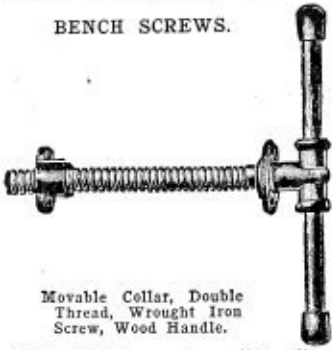
ONE-HALF DOZEN IN A BOX.



No. 22—Morrill's, 4x2 in., reversible, polished face, w't per doz. 15 lbs., per dozen.....**JHDJ** $14.00

ONE-HALF DOZEN IN A BOX.

BENCH SCREWS.



Movable Collar, Double Thread, Wrought Iron Screw, Wood Handle.

No. 4—Inches	1	1⅛	1¼
Entire Length, in....	15	16	17
W't per doz., lbs...	51	66	84
Per dozen.....	$6.50	7.50	9.00
	CHJ	DDE	EDE

Extra Nuts for No. 4, 1⅛ in., per dozen .....**ADE** $2.40

ONE DOZEN IN A CASE.



No. 5—2 ft. x 2¼ in., screw, thoroughly seasoned white maple, w't per doz. 66 lbs., per dozen .....**EGJ** $7.50

TWO DOZEN IN A CASE.

HAND SCREWS.

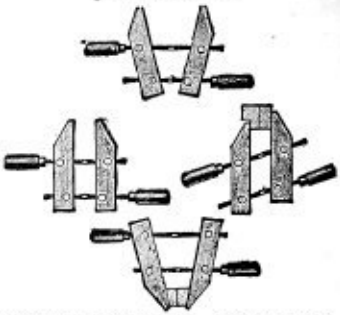


Selected Maple Jaws, Selected Hickory Screws.

Nos.	224	223	222
Length, jaw, in.	8	10	12
Length screw, in.	10	12	14
Open, in.....	4½	5½	7¼
Size of jaw, in.	1⅝	1⅝	1⅝
Diam. screw, in.	⅝	¾	¾
W't per doz., in.	16	26	35
Per dozen	$12.00	14.50	17.00
	JCCJ	JDJJ	JDGJ
Nos.		221	219
Length jaw, in.....		14	16
Length screw, in.		16	18
Open, in.....		8¼	9¼
Size of jaw, in.....		2	2¼
Diam. screw, in.....		¾	1
W't per doz., lbs.....		55	74
Per dozen.....		$20.00	23.50
		JEEE	JFEJ
Nos.		218	217
Length jaw, in.....		18	20
Length screw, in.....		20	24
Open, in.....		10½	13¼
Size of jaw, in.....		2⅛	2⅝
Diam. screw.....		1⅛	1¼
W't per doz., lbs.....		102	128
Per dozen.....		$37.00	32.00
		JGDE	JHHE

NOS. 224, 223 AND 222, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

JORGENSEN'S.



Seasoned Maple Jaws, Adjustable to Any Angle, Spindles and Sockets of Best Steel.

Nos.	22	23
Length jaw, in.....	12	14
Length screw, in.	12	14
Open, in.....	8	10
Size of jaw, in.....	1¼x2½	2x2¼
Diam. screw, in.....	⅞	⅞
Per dozen.....	$17.40	19.20
W't per doz., lbs.....	48	60
	JIDJ	AJCE
Nos.	24	25
Length of jaw, in.....	16	18
Length screw, in.....	16	20
Open, in.....	12	14
Size of Jaw, in.....	2¼x2¼	2¼x2¼
Diam. screw, in.....	½	½
W't per doz., lbs.....	90	96
Per dozen.....	$22.80	26.40
	ABCJ	ADBE

ONE DOZEN IN A CRATE.

FLOORING CLAMPS.



No. 125—Malleable Iron, nicely japanned, diam. of clamp 2¼ in., length of handle 16¼ in. w't per doz. 30 lbs., per dozen.....**DHJ** $9.00

A useful and labor saving device for laying flooring, especially where the lumber is warped and requires pressure to fit the boards closely.

CABINET MAKERS' CLAMPS.



No. 258—Selected maple frame, hickory screw, length inside of jaws 4 ft. w't per doz. 80 lbs., per single dozen .....**JGBJ** $10.00

TWO DOZEN IN A CASE.

CLAMPS.

QUILT FRAME.



No. 13.



No. 1. No. 010 and 020.

No. 1—Cruso, Malleable iron, japanned, wrought screw, opens 2¼ in., w't per doz. 3 lbs.....per dozen **DJ** $0.60

No. 010—Cruso, Malleable iron, japanned, swivel head wrought steel screw, opens 2¾ in., wt per doz. 4½lbs.,per dozen .....**FJ** $0.80

No. 020—Cruso, opens 3 in., otherwise same as No. 010, w't per doz. 6½ lbs., per dozen .....**JIJ** $1.50

No. 13—Cruso, heavy malleable iron, japanned, malleable screw, opens 4 in., w't per doz. 7 lbs., per doz. **JHJ** $1.25

ONE DOZEN IN A BOX.

CARRIAGE MAKERS'.



Malleable Iron, Swivel Head, Solid Steel Screw.

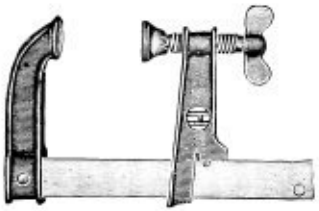
Nos.	2	3	4
Opening, in...	2½	3	4
W't, doz., lbs.	14	16	20
Per dozen	$2.60	3.00	4.20
	AEJ	AGJ	BDJ

Nos.	5	6	7
Opening, in...	5	6	7
W't, doz., lbs.	27	30	36
Per dozen	$5.00	6.50	7.80
	BHE	CGJ	DDE

Nos.	8	10
Opening, in.	8	10
W't per doz., lbs.	42	60
Per dozen	$9.00	11.00
	EAE	JFCJ

ONE-HALF DOZEN IN A BOX.

QUICK.



Malleable Iron Frame, Japanned, Steel Screw, Swivel Head, Quick Adjusting.

Nos.	26	28
Opening, in.	4	8
W't per doz., lbs.	40	46
Per dozen	$12.50	13.50
	JGCJ	JGHE

Nos.	30	34
Opening, in.	10	14
W't per doz., lbs.	48	54
Per dozen	$14.50	16.00
	JHCJ	JICE

ECCENTRIC.



STYLE B.

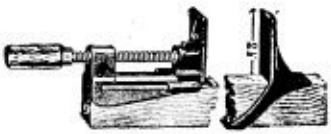
Malleable, Iron, 1½x9-16 In. Steel Bar, Japanned.

Length, ft.	2	2½
W't per doz., lbs.	80	90
Per dozen	$14.40	16.20
	JICE	AJEJ

Length, ft.	3	4
W't per doz., lbs.	100	115
Per dozen	$18.00	21.60
	AAFJ	ADJE

The sliding jaw moves easily and by an automatic enclosed spiral spring is held firmly in place at any desired point on the bar.

PARLOR FRAME.



Malleable Iron, ½x7 In. Steel Screw, Face of Jaw 1½x2½ In. High, Mounted on Select Maple Bars.

Nos.	202	203	204
Length, ft.	2	3	4
W't, doz., lbs.	48	55	65
Per dozen	$15.00	17.00	19.00
	JICE	AJDE	AAEJ

ONE-HALF DOZEN IN A CRATE.

SHELDON'S CLAMP FIXTURES.



Mounted on Maple Bars, 1¼x2½ in. Wide.

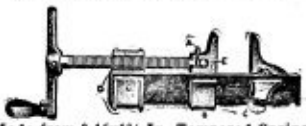
Nos.	02	03
Length, ft.	2	3
W't per doz., lbs.	70	85
Per dozen	$15.00	17.00
	JICE	AJDE

Nos.	04	05
Length, ft.	4	5
W't per doz., lbs.	95	110
Per dozen	$19.00	21.00
	AAEJ	ABFJ

ONE-HALF DOZEN IN A CRATE.

No. 11—Without wood bars, malleable iron, ⅝x7 in. steel screws with square threads cut from cold rolled steel, face of jaws 1¼ in. sq., w't per doz. 50 lbs., per dozen .....**JGBJ** $12.00

SHELDON'S STEEL BAR.



Made from 9-16x1⅜ In. Tempered Spring Steel Bars, ⅝x7 In. Screw Cut from Cold Rolled Steel, Face of Jaws 1¾x2 In.

Nos.	20½	30	40
Length, ft.	2½	3	4
W't, doz., lbs.	75	90	110
Per dozen	$20.00	22.50	25.00
	ACBJ	AEJJ	AFHJ

Nos.	50	60	70
Length, ft.	5	6	7
W't, doz., lbs.	130	150	165
Per dozen	$28.00	31.00	34.00
	AHFJ	BJDJ	BBBJ

Saddle is held in bar notches by indestructible spring bars. The double end malleable cranks are quick and permit the use of two hands for excessive pressure.

CARPENTERS' DOOR.



3-16x1½ In. Wrought Steel T Bar, Malleable Iron Frame and Sliding Stop, Spring Catch, ⅝ In. Wrought Iron Screw, Ebonized Handle.

Nos.	103	104	105
Length between jaws, ft.	3	4	5
W't per single doz., lbs.	98	110	122
Per single doz.	$24.00	27.00	30.00
	AIBJ	BAFJ	BDJJ

The bar is special quality rolled stiff steel; the "T" shape has much more strength for a given weight than is possessed by flat stock. The notches are cut on the lower edge of the bar, affording greater holding power to a sliding jaw than if cut on the upper edge. The wrought iron screw is provided with a deep thread.

ONE DOZEN IN A CASE.

REVONOC ADJUSTABLE PLANES.

IRON.



No. R2 REVONOC—7 in., 1⅝ in. cutter, w't each 2¼ lbs. .....each **ABJ** $2.75
No. R3 REVONOC—8 in., smooth, 1¾ in. cutter, w't 3 lbs. ....each **ACJ** $3.00
No. R4 REVONOC—9 in., smooth, 2 in. cutter, w't 3½ lbs.....each **ADJ** $3.25
No. R4½ REVONOC—10 in., smooth, 2⅛ in. cutter, w't 5 lbs. ....each **AFJ** $3.75



No. R5 REVONOC—14 in.; jack, 2 in. cutter, w't 4½ lbs. .....each **AFJ** $3.75
No. R5½ REVONOC—15 in., jack, 2¼ in. cutter, w't 6 lbs. .....each **AHE** $4.25
No. R6 REVONOC—18 in., fore, 2¾ in. cutter, w't 7 lbs. .....each **BJE** $4.75
No. R7 REVONOC—22 in., jointer, 2⅛ in. cutter, w't 8 lbs. ....each **BDJ** $5.50
No. R8 REVONOC—24 in., jointer, 2⅝ in. cutter, w't 9½ lbs. ..each **BHJ** $6.50



No. R2-C REVONOC—7 in., corrugated, 1⅝ in. cutter, w't each 2¼ lbs., each .....**ABJ** $2.75
No. R3-C REVONOC—8 in., smooth, 1¾ in. cutter, w't 3 lbs. .....each **ACJ** $3.00
No. R4-C REVONOC—9 in., smooth, 2 in. cutter, w't 3½ lbs. ..each **ADJ** $3.25
No. R4½-C REVONOC—10 in., smooth, 2⅛ in. cutter, w't 5 lbs., each .....**AFJ** $3.75
No. R5-C REVONOC—14 in., jack, 2 in. cutter, w't 4½ lbs. .....each **AFJ** $3.75
No. R5½-C REVONOC—15 in., jack, 2¼ in. cutter, w't 6 lbs. ....each **AHE** $4.25
No. R6-C REVONOC—18 in., fore, 2¾ in. cutter, w't 7 lbs. ....each **BJE** $4.75
No. R7-C REVONOC—22 in., jointer, 2⅛ in. cutter, w't 8 lbs. ....each **BDJ** $5.50
No. R8-C REVONOC—24 in., jointer, 2⅝ in. cutter, w't 9½ lbs. ..each **BHJ** $6.50
These are the same as planes shown above except that they have corrugated bottom.

IRON BLOCK.



No. R103 REVONOC—5½ in., adjustable, 1½ in. cutter, w't 3¼ lbs., each .....**CJ** $0.70
ONE IN A BOX.

WOOD.



Unhandled.
No. R22 REVONOC—8 in., smooth, 1⅝ in. cutter, w't 2¼ lbs. ..each **JHE** $2.00
No. R23 REVONOC—9 in., smooth, 1⅝ in. cutter, w't 2½ lbs. ..each **JHE** $2.00
No. R24 REVONOC—8 in., smooth, 2 in. cutter, w't 2½ lbs. ..each **JHE** $2.00
ONE IN A BOX.

Handled.
No. R35 REVONOC—9 in., handled smooth, 2 in. cutter, w't 3 lbs., each .....**AAJ** $2.50
No. R36 REVONOC—10 in. handled smooth, 2⅛ in. cutter, w't 3¼ lbs., each .....**ABJ** $2.75
ONE IN A BOX.



No. R26 REVONOC—15 in., jack, 2 in. cutter, w't 3¾ lbs. .....each **AJJ** $2.25
No. R27 REVONOC—15 in., jack, 2⅛ in. cutter, w't 4 lbs. .....each **AAJ** $2.50
No. R27½ REVONOC—15 in., jack, 2¼ in. cutter, w't 4¼ lbs. ..each **AAJ** $2.50
No. R28 REVONOC—18 in., fore, 2⅜ in. cutter, w't 5 lbs. .....each **ABJ** $2.75
No. R29 REVONOC—20 in. fore, 2⅝ in. cutter, w't 5½ lbs. .....each **ABJ** $2.75
No. R30 REVONOC—22 in., jointer, 2⅛ in. cutter, w't 6 lbs. ....each **ACJ** $3.00
No. R31 REVONOC—24 in., jointer, 2⅛ in. cutter, w't 6½ lbs. ..each **ACJ** $3.00
No. R32 REVONOC—26 in., jointer, 2⅝ in. cutter, w't 7 lbs. ....each **ADJ** $3.25
No. R33 REVONOC—28 in., jointer, 2⅝ in. cutter, w't 7½ lbs. ..each **ADJ** $3.25
ONE IN A BOX.

IRON BLOCK.



No. R101. No. R100.

No. R101 REVONOC—3½ in., 1 in. cutter, w't 4 oz. .....each **AA** $0.25
No. R100 REVONOC—3½ in., handled, 1 in., cutter, w't 6 oz. .....each **AD** $0.33
NO. R101, SIX; NO. R100, ONE IN A BOX.



No. R102 REVONOC—5½ in., 1¼ in. cutter, w't 1½ lb. .....each **BD** $0.55
No. R110 REVONOC—7½ in., 1⅝ in. cutter, w't 1¼ lbs. .....each **CJ** $0.70
ONE IN A BOX.

IRON BLOCK.



No. R2200 REVONOC—7½ in., adjustable, 1⅝ in. cutter, w't 1¼ lbs., each .....**DJ** $0.95



No. R1300 REVONOC—8 in., double-ender, 1⅝ in. cutter, w't 1½ lbs., each .....**JDB** $1.00



Nickel Plated Cap.
No. R6000 REVONOC—6 in., low angle, 1½ in. cutter, w't 1 lb., each .....**JGE** $1.75
No. R6500 REVONOC—7 in., low angle, 1⅝ in. cutter, w't 1 lb., each .....**JHJ** $1.85

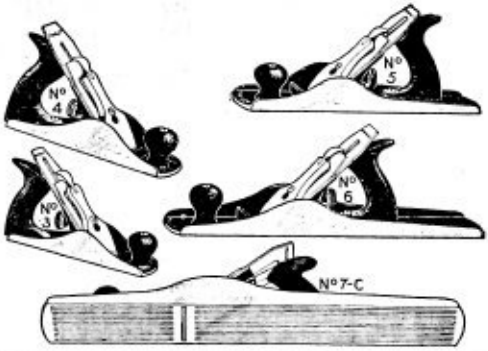


With Throat and Lateral Adjustments.
No. R9½ REVONOC—6 in., 1⅝ in. cutter, w't 1½ lbs. .....each **JGJ** $1.60
No. R15 REVONOC—7 in., 1⅝ in. cutter, w't 1¼ lbs. .....each **JGE** $1.70
No. R1600 REVONOC—6 in., 1⅝ cutter, nickel plated cap ....each **JGE** $1.75
No. R1700 REVONOC—7 in., 1⅝ in. cutter, nickel plated cap ....each **JHJ** $1.85



With Throat and Lateral Adjustments.
No. R1800 REVONOC—6 in., knuckle joint, nickel plated cap, 1⅝ in. cutter, w't 1¼ lbs. .....each **JHJ** $1.85
No. R1900 REVONOC—7 in., knuckle joint, nickel plated cap, 1⅝ in. cutter, w't 1½ lbs. .....each **JHE** $1.95
The knuckle joint in the cap makes it a lever too, and placing the cap in position will also clasp the cutter securely in its seat.
ONE IN A BOX.

STANLEY PLANES.

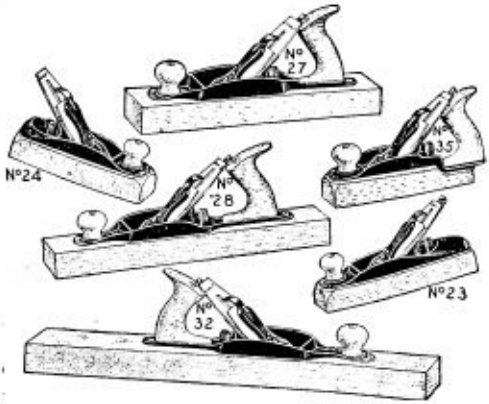


"BAILEY" ADJUSTABLE IRON.

The handle and knob are made of highly finished, thoroughly seasoned rosewood. The English steel cutter is tempered, ground and honed, ready for use, is adjustable both endwise and sidewise, and bedded to the heel of bevel. The width of mouth can be varied by changing the setting of the frog. Bottoms, either flat or corrugated (see cut 7-C) as desired.

Flat Bottom	Corrugated Bottom		Type	Length	Cutter	W't		Each
No. 1			Smooth	5½ in.	1⅝ in.	1¼ lbs.	AAE	$1.50
No. 2	No. 2	C	Smooth	7 in.	1⅝ in.	2¼ lbs.	AEJ	2.00
No. 3	No. 3	C	Smooth	8 in.	1¾ in.	3⅛ lbs.	AEE	2.10
No. 4	No. 4	C	Smooth	9 in.	2 in.	3¼ lbs.	AGE	2.20
No. 4½	No. 4½	C	Smooth	10 in.	2⅛ in.	4¼ lbs.	BJJ	2.50
No. 5	No. 5	C	Jack	14 in.	2 in.	4¼ lbs.	BJJ	2.50
No. 5½	No. 5½	C	Jack	15 in.	2⅛ in.	6½ lbs.	BBJ	3.00
No. 6	No. 6	C	Fore	18 in.	2⅛ in.	7½ lbs.	BEE	3.25
No. 7	No. 7	C	Jointer	22 in.	2⅛ in.	8½ lbs.	CJJ	3.75
No. 8	No. 8	C	Jointer	24 in.	2⅝ in.	9¼ lbs.	CDE	4.50

ONE IN A BOX.

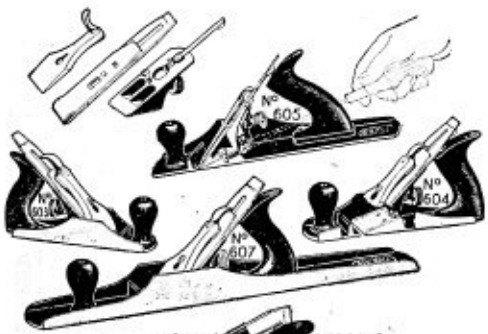


BAILEY" WOOD.

These planes are made for those wanting a wood bottom plane of superior quality. Made of specially selected, well seasoned Beech. The cutters are the celebrated Bailey cutters and are adjustable both endwise and sidewise.

	Type	Length	Cutter	W't		Each
No. 21	Smooth	7 in.	1¾ in.	2½ lbs.	AAJ	$1.50
No. 22	Smooth	8 in.	1¾ in.	2¾ lbs.	AAJ	1.50
No. 23	Smooth	9 in.	1¾ in.	2¾ lbs.	AAJ	1.50
No. 24	Smooth	8 in.	2 in.	2⅞ lbs.	AAJ	1.50
No. 25	Block	9½ in.	1¾ in.	2½ lbs.	AAJ	1.50
No. 26	Jack	15 in.	2 in.	3¼ lbs.	ABJ	1.65
No. 27	Jack	15 in.	2⅛ in.	4 lbs.	ACJ	1.90
No. 27½	Jack	15 in.	2¼ in.	4¼ lbs.	ACE	1.90
No. 28	Fore	18 in.	2¾ in.	5½ lbs.	AEJ	2.05
No. 29	Fore	20 in.	2⅜ in.	6¼ lbs.	AEJ	2.05
No. 30	Jointer	22 in.	2⅜ in.	6¼ lbs.	AEE	2.20
No. 31	Jointer	24 in.	2⅜ in.	6½ lbs.	AEE	2.20
No. 32	Jointer	26 in.	2⅜ in.	7⅝ lbs.	AGJ	2.40
No. 33	Jointer	28 in.	2⅜ in.	8⅛ lbs.	AGE	2.40
No. 34	Jointer	30 in.	2⅜ in.	8½ lbs.	AIJ	2.60
No. 35	Handle Smooth	9 in.	2 in.	3¼ lbs.	ACJ	1.90
No. 36	Handle Smooth	10 in.	2⅛ in.	4 lbs.	AEJ	2.05
No. 37	Jenny Smooth	13 in.	2⅜ in.	5 lbs.	AFJ	2.20

ONE IN A BOX.



STANLEY "BED ROCK."

For fine work on hard and knotty wood, this plane surpasses all others.

The cutter, frog and bottom are so machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.

The frog travels in a groove, ensuring it being square with the mouth of the plane, and preventing shifting or "wobbling."

The width of the mouth can be regulated by use of a screw driver as shown in the cut, without removing the cutter and lever.

The cutters are made of the best English steel and are adjustable both endwise and sidewise.

The shape of the sides, a distinctive feature, adds greatly to the strength of the plane.

The handles and knobs are of rosewood and finely finished.

Bottoms either flat or corrugated (see No. 606-C) as desired.

Flat Bottom	Corrugated Bottom	Type	Length	Cutter	W't		Each
No. 602..	No. 602C	Smooth	7 in.	1⅝ in.	2¼ lbs.	AGJ	$2.20
No. 603	No. 603C	Smooth	8 in.	1¾ in.	3¼ lbs.	AHJ	2.30
No. 604	No. 604C	Smooth	9 in.	2 in.	3⅝ lbs.	AIJ	2.50
No. 604½	No. 604½C	Smooth	10 in.	2⅜ in.	4¼ lbs.	BAE	3.00
No. 605	No. 605C...	Jack	14 in.	2 in.	4½ lbs.	BAE	3.00
No. 605½	No. 605½C.	Jack	15 in.	2¼ in.	6½ lbs.	BDE	3.50
No. 606	No. 606C	Fore	18 in.	2⅜ in.	7⅛ lbs.	BGE	3.75
No. 607	No. 607C	Jointer	22 in.	2⅜ in.	8¾ lbs.	CBJ	4.40
No. 608	No. 608C	Jointer	24 in.	2⅝ in.	9¼ lbs.	CHJ	5.25

ONE IN A BOX.

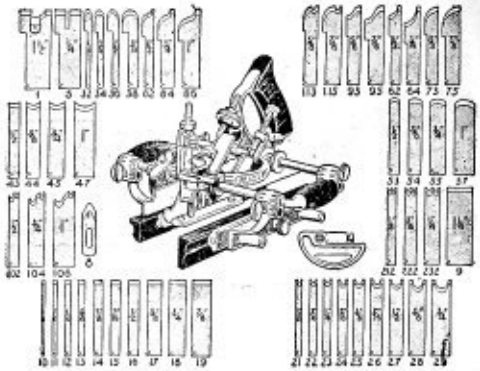
STANLEY PLANES.

BEADING, CENTER, PLOW, DADO, RABBET, FILLETSTER, MATCH, SASH, SLITTING AND MOULDING.

Will accomodate cutters of almost any shape and size. All metal parts nickel plated, handle and fences of selected rosewood, all parts well finished.

No. 55—Length 10 inches, w't 15¼ lbs., complete with 52 cutters .....**ACDE** $14.00

ONE IN A STEEL BOX.



BEADING, CENTER BEADING, PLOW, DADO, RABBET, FILLETSTER, MATCH, PLANE, SASH AND SLITTING.

Seven beading tools, 1/8 in., 3/16 in., 1/4 in., 5/16 in., 3/8 in., 7/16 in., and 1/2 in., ten plow and dado bits—1/8 in., 1/4 in., 1/4 in., 1/8 in., 3/8 in., 7/16 in., 1/2 in., 5/8 in., 3/4 in., and 1 in., a tonguing tool, a sash and a slitting cutter, are regularly furnished.

Each plane has an adjustable fence a depth gauge, spurs for use across the grain, a cam leveling or steading rest, and can be used either right or left hand.

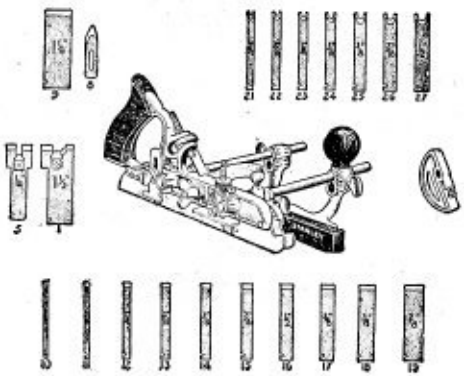
No. 45—Nickel plated, with twenty tools ....each **FEJ** $7.00

Extra Bottoms and Cutters.

By substituting special bottoms for the sliding section, cutters as follows may be used. Special bottom required for each cutter. Prices of hollows and rounds include two cutters and two bottoms, of nosing tool, one cutter and one bottom.

No. 6—Hollow and round 1/2 in. cutters work 3/4 in. circle, per pair .....**ABJ** $1.50
No. 8—Hollow and round 5/8 in. cutters work 1 in. circle, per pair .....**ABJ** $1.50
No. 10—Hollow and round 3/4 in. cutters work 1 1/4 in. circle, per pair .....**ABE** $1.50
No. 12—Holow and round 1 in. cutters work 1 1/2 in. circle, per pair .....**ABE** $1.50
No. 5—Nosing tool, 1 1/4 in. cutters work 1 1/2 in. circle, each .....**JIE** $1.10
Extra cutters, 20 tools, bits, etc.....per set **CJJ** $3.50
Extra spurs .....per dozen **BB** $0.50
Extra Screws .....per dozen **BB** $0.50

ONE IN A STEEL BOX.



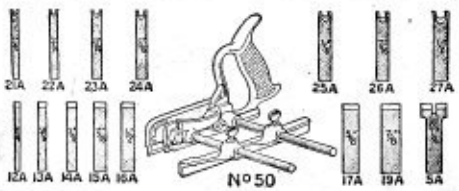
PLOW, BEADING AND MATCHING.

For light work, consists of a main stock with metal handle, carrying a spur and a depth gauge, and forming a support for one side of cutter, a sliding section carrying a spur and forming a support for other side of cutter, a fence with a 5 inch adjustment.

The cutters comprise 7 plow and dado bits, 1/4, 1/8, 3/16, 1/2, 5/8, and 7/8 inch, 7 beading tools, 1/8, 3/16, 1/4, 1/8, 3/8, 7/16, and 1/2 inch, and a 1/4 inch tonguing tool.

No. 50—Nickel Plated, Length 9¼ inches, 15 cutters, w't 3½ lbs. .....each **CFE** $5.00

ONE IN A BOX.



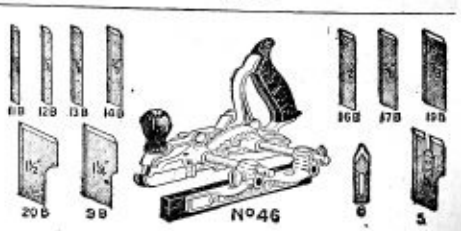
PLOW, DADO, FILLETSTER AND MATCHING.

Skew cutters are the feature of this plane, main stock carries a spur, depth gauge, slitting cutter, sliding section carrying a spur forming an extra sole for the plane. Rosewood handle and knob.

Cutters comprise 8 plow and dado bits, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1 1/4 inch, 1 1/2 in. filletster cutter, 1/4 in. tongueing tool, and slitting cutter.

No. **46**—Nickel Plated, length 10 inches, 11 cutters, w't 5¾ lbs. .....each **DJJ** $5.00

ONE IN A BOX.



SIEGLEY AND STANLEY PLANES.

SIEGLEY ADJUSTABLE IRON.



Corrugated Bottom.

No. 4-S—9 in., smooth, 2 in. cutter, w't 2¾ lbs. .....each **ADE** $2.75

No. 4½-S—10 in., smooth, 2⅛ in. cutter, w't 3⅛ lbs. .....each **AEE** $3.15

ONE IN A BOX.



Corrugated Bottom.

No. 5-S—14 in., jack, 2 in. cutter, w't 3½ lbs. .....each **AEE** $3.15

No. 5½-S—15 in., jack, 2⅛ in. cutter, w't 4⅛ lbs. .....each **AGE** $3.55

ONE IN A BOX.



Corrugated Bottom.

No. 6-S—18 in., fore, 2⅜ in. cutter, w't 4¾ lbs. .....each **BAJ** $4.00

No. 7-S—22 in., jointer, 2⅜ in. cutter, w't 5½ lbs. .....each **BCE** $4.55

No. 8-S—24 in., jointer, 2½ in. cutter, w't 6½ lbs. .....each **BHJ** $5.45

ONE IN A BOX.



Combination.

No. 2-S—Siegley, 9 in., nickel-plated combination carpenters' plow and dado with side and center beading plane, 9 plow cutters, 1/8, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 and 7/8 in., 7 beading tools, 3/16, 1/4, 1/2, 5/16, 3/4, 7/8, and 1 in., 7/8 in. match cutter and sash tool, w't 7½ lbs. .....each **FJJ** $8.00

ONE IN A BOX.

STANLEY WOOD.



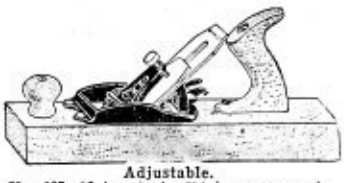
No. 122—8 in., smooth, adjustable, 1⅝ in. cutter, w't 2 lbs. ....each **JHE** $1.10

ONE IN A BOX.



No. 135—10 in., handled smooth, adjustable, 2⅛ in. cutter, w't 3 lbs., each .....**AAJ** $1.80

ONE IN A BOX.



Adjustable.

No. 127—15 in., jack, 2⅛ in. cutter, w't 3½ lbs. .....each **AAJ** $1.50

No. 129—20 in., fore, 2⅜ in. cutter, w't 5 lbs. .....each **ABE** $1.65

No. 132—26 in., jointer, 2⅜ in. cutter, w't 6½ lbs. .....each **ADJ** $1.90

Adjusted by a lever, especially adapted for working on soft woods.

ONE IN A BOX.

STANLEY STEEL.



No. 104—9 in., smooth, adjustable, 2⅛ in. cutter, w't 3 lbs. ....each **AEJ** $2.05

ONE IN A BOX.



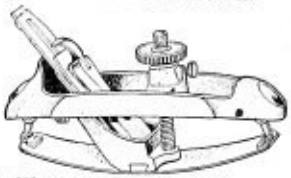
No. 105—14 in., jack, adjustable, 2⅛ in. cutter, w't 3½ lbs.....each **AIJ** $2.60

These planes are adjusted by a lever and are especially adapted for working on soft woods.

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

STANLEY CIRCULAR.



No. 113—10 in., adjustable, 1¾ in. cutter, w't 3½ lbs. .....each **BCE** $3.00



No. 20½—Victor, 10 in., adjustable, 1¾ in. cutter, w't 4 lbs., each .....**BDE** $3.50

No. 20—Victor, 10 in., adjustable, nickel plated, 1¾ in. cutter, w't 4 lbs., each .....**CAE** $4.10

ONE IN A BOX.

STANLEY IMPROVED SCRUB.



No. 40—9½ in., iron stock, 1¼ in. cutter, w't 2 lbs. .....each **JHE** $1.10

No. 40½—10½ in., iron stock, 1½ in. cutter, w't 2½ lbs.....each **AAE** $1.50

Cutters, for No. 40★.....each **AH** .20

Cutters, for No. 40½★....each **BC** .25

This tool has a single iron with cutting edge rounded, and is particularly adapted for roughing down work before using jack or other planes.

ONE IN A BOX.

STANLEY LOW ANGLE BLOCK.



No. B62—14 in., 2 in. cutter, w't 4 lbs., each .....**BAE** $2.50

The construction of this plane is such that it is especially adapted for use in cutting across the grain on heavy work, where more power is required than can be obtained by use of the ordinary block plane. The plane is fitted with an adjustable throat, which enables the user to work equally well on hard or soft wood.

ONE IN A BOX.

PLANES AND SCRAPERS.

"BAILEY" BLOCK PLANES.



With Throat and Lateral Adjustments.

No. 9½—6 in., 1¾ in. cutter, w't 1¾ lbs., each ..... JHJ $1.10

No. 15—7 in., 1¾ in. cutter, w't 1¾ lbs., each ..... JHE $1.20

No. 16—6 in., 1¾ in. cutter, nickel plated cap, w't 1½ lbs. .....each JIJ $1.25

No. 17—7 in., 1¾ in. cutter, nickel plated cap, w't 1¾ lbs. .....each AJJ $1.35



No. 9¼—6 in., rosewood handle, 1¾ in. cutter, w't 1½ lbs. ..each JIE $1.30

No. 15½—7 in., rosewood handle, 1¾ in. cutter, w't 1¾ lbs. ..each AJE $1.40

These block planes stand as the highest type of block plane manufactured.



Knuckle Joint, with Throat and Lateral Adjustments.

No. 18—6 in., nickel plated cap, 1¾ in. cutter, w't 1¼ lbs. ..each JIE $1.30

No. 19—7 in., nickel plated cap, 1¾ in. cutter, w't 1½ lbs. ...each AJJ $1.40

The knuckle joint in the cap makes it a lever, too; and placing the cap in position, will also clamp the cutter securely in its seat.



Low Angle.

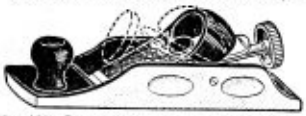
No. 60½—6 in., 1½ in. cutter, w't 1¼ lb., each ..... JHJ $1.10

No. 65½—7 in., 1¼ in. cutter, w't 1½ lbs., each ..... JIJ $1.20

No. 60—6 in., 1½ in. cutter, nickel plated cap, w't 1¼ lbs.....each JIJ $1.25

No. 65—7 in., 1¾ in. cutter, nickel plated cap, w't 1½ lbs., each ..... AJJ $1.35

No. 61—Length 6 in., 1¾ in. cutter, japan finish, w't 1¼ lbs., each ..... JHJ $1.10



No. 131—Double end, 8 in., 1¼ in. cutter, w't 1½ lbs. .....each JIE $1.50

This plane has two slots and a movable cutter seat. When it is desirable to use it as a bull nose plane, the adjustable cutter seat can be reversed as indicated in cut.

ONE IN A BOX.

STANLEY BLOCK PLANES.



No. 101. No. 100.

No. 101—3½ in., 1 in. cutter, w't 4½ oz., each .....AB $0.20

No. 100—3½ in., handled, 1 in. cutter, w't 6 oz. .....each AH $0.25



No. 103.

No. 102—5½ in., 1¼ in. cutter, w't ¾ lb., each .....BH $0.30

No. 103—5½ in., adjustable, 1¼ in. cutter, w't ¾ lbs. .....each CH .45



No. 110—7½ in., 1¾ in. cutter, w't 1¼ lbs. .....eachCH $0.55



No. 130—8 in., double-ender, 1¼ in. cutter, w't 1½ lbs. .....each EC $0.75



No. 220—7½ in., adjustable, 1¾ in. cutter, w't 1½ lbs. .....each EC $0.75



No. 203—Screw adjustment, rosewood knob, length 5½ in., 1¾ in. cutter, w't ⅞ lb. .....each FJ $0.85

CABINET MAKERS' EDGE PLANES.



No. 97—10 in., 2¼ in. cutter, w't 3¼ lbs., each .....AFE $2.20

Cutters, for No. 97★ .....each DJ .45

A useful tool for piano makers and all cabinet workers, for trimming inside work where space prevents use of any other plane.

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

BAILEY VENEER SCRAPERS.



No 12

No. 12—6¼ in., 3 in. cutter, rosewood handle, w't 3½ lbs...each AIJ $2.50

No. 12½—Wood face, 6½ in., 3 in. cutter, w't 4 lbs. .....each BEE $3.30

No. 12¾—2 in. cutter, otherwise same as No. 12 .....each AGE $2.50

Cutters, for veneer scraping, each .....AH .20

No. 12 takes the same cutter as No. 112 Scraper Planes. For many kinds of work, its peculiar form is of great advantage.

ONE IN A BOX.

STANLEY SCRAPER PLANES.



No. 112—9 in. adjustable, 3 in. cutter, with 1 scraper blade, w't 4 lbs., each .....AFE $2.20

Cutters, for veneer scraping, each .....AH .20

Cutters, for toothing, Nos. 22, 28, 32—22, 28 or 32 teeth per in.—each BH $0.30

ONE IN A BOX.

BULL NOSE RABBET PLANES.



No. 75—4 in., iron stock, 1 in. cutter, w't 8 oz. .....each CJ $0.40

ONE IN A BOX.

STANLEY EDGE TRIMMING PLANES.

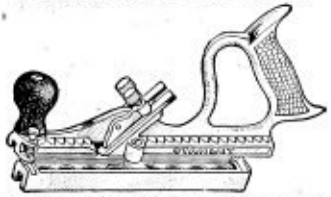


No. 95—6 in., ⅞ in. cutter, japanned, w't each 1¼ lbs. .....each JIJ $1.15

ENTIRE COLUMN, ONE IN A BOX.

STANLEY ADJUSTABLE PLANES.

TONGUING AND GROOVING.



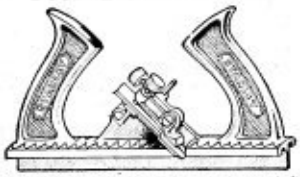
No. 48—8¼ in. nickel plated iron stock and fence, for ¾ to 1¼ in. boards, including two narrow and one extra wide tonguing and grooving tools, w't 3 lbs. .....each **BJE** $2.75

No. 49—8 in. nickel plated iron stock and fence, for ⅜ to ¾ in. boards, including tonguing and grooving tools, w't 2½ lbs. .....each **BJE** $2.75

Cutters, for Nos. 48 and 49,★ each .....**AE** .17

The fence is set in a center pivot and can be swung around and locked either way. Set one way it exposes two cutters for cutting the tongue and when reversed leaves only one exposed for making the groove. ONE IN A BOX.

DOUBLE END MATCH.



No. 146—Nickel plated, matches ⅜ in. boards, cuts groove ⅜ in., w't 1½ lbs., each .....**AFE** $2.20

No. 147—Nickel plated, matches ⅝ in. boards, cuts groove ⅜ in., w't 2 lbs., each .....**AFE** $2.20

No. 148—Nickel plated, matches ⅞ in. boards, cuts groove ¾ in., w't 2¼ lbs., each .....**AFE** $2.20

As shown in cut, the tool is provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends, the plane will cut a groove to fit. ONE IN A BOX.

RABBET AND FILLETSTER.



No. 278—Japanned iron stock and fence, 6¼ in. long, 1 in. cutter, w't 2 lbs., each .....**ACE** $1.80

The sides and bottom being square with each other, the planes will lie perfectly flat on either side. Adjustable fence slides under bottom to regulate width of cut. Has one spur on each side and adjustable depth gauge. Is suitable for either right or left hand work. The front part of plane can be easily detached thus providing a bull nose plane.

ONE IN A BOX.

IMPROVED RABBET.



Iron Stock, Length 8 Inches, with Depth Gauge.

No. 180—1½ in. wide, without spur, w't 2¾ lbs. .....each **JHE** $1.10

No. 181—1¼ in. wide, without spur, w't 2¼ lbs. .....each **JHE** $1.10

No. 182—1 in. wide, without spur, w't 2 lbs. .....each **JHE** $1.10

No. 190—1½ in. wide, with spur, w't 2¾ lbs. .....each **AJJ** $1.25

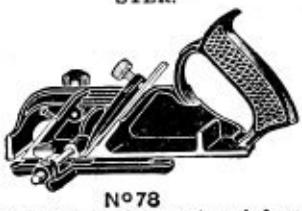
No. 191—1¼ in. wide, with spur, w't 2¾ lbs. .....each **AJJ** $1.25

No. 192—1 in. wide, with spur, w't 2 lbs., each .....**AJJ** $1.25

Cutters, for above★ .....each **AH** .20

This plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces. ONE IN A BOX.

DUPLEX RABBET AND FILLETSTER.



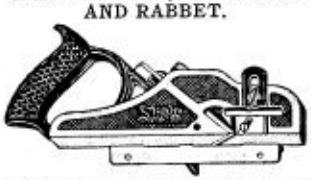
No. 78—8½ in. iron stock and fence, 1½ in. cutter, w't 3 lbs., each .....**ABE** $1.65

Cutters, for No. 78★ .....each **AH** .20

This plane has two seats for the cutter, one for regular work and the other where a bull nose is required. Has spur and removable depth gauge. Adjustable fence can be used on either side and slides under the bottom regulating width of cut. To use as rabbet plane, remove fence and arms.

ONE IN A BOX.

SKEW CUTTER, FILLESTER AND RABBET.



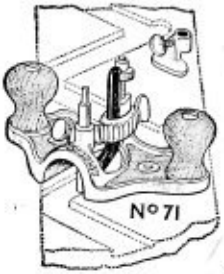
No. 289—8½ in., japanned, 1⅝ in. cutter, with fence and depth gauge and two adjustable spurs, one on each side, w't 4 lbs. .....each **AEJ** $1.75

The fence and depth gauge can be attached to either side so that the plane can be used equally well for right or left hand work. The adjustable fence slides under the bottom, regulating the width of the cut. By removing arms and fence a skew cutter rabbet plane is obtained.

ONE IN A BOX.

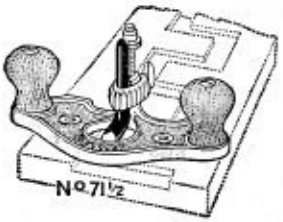
★*FOR FACTORY SHIPMENT ONLY.*

WOODWORKERS' ROUTER.



No. 71—Nickel plated, width 8¼ in., open throat, ¼ and ½ in. steel bits, with throat attachment, w't 2½ lbs., each .....**AEE** $2.05

Cutters, for No. 71★ .....each **BE** .30



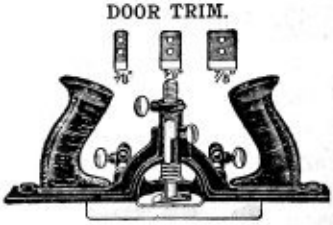
No. 71½—Nickel plated, width 8¼ in., closed throat, ¼ and ½ in. steel bits, w't 2¾ lbs. .....each **ABE** $1.65

Cutters, for No. 71½★ ...each **CE** .30

Nos. 71 and 71½ are for surfacing the bottom of grooves and depressions parallel with the general surface of the work. The open throat design gives more freedom for chips and a better view of the work and cutter. The latter has an attachment for regulating the thickness of the chip and a second attachment for closing the throat for use on narrow surfaces.

ONE IN A BOX.

DOOR TRIM.



No. 171—11 in., japanned, nickel plated trimmings, rosewood handles, 3 forged steel cutters, w't 3 lbs., each .....**BCJ** $2.75

This new plane will make mortises for Butts, Face Plates, Strike Plates, Escutcheons, etc., without the use of a butt gauge or chisel. Cutter can be set to work from either end of the plane or across it. Spring prevents taking a heavier chip than can be easily carried.

ONE IN A BOX.

STANLEY PLANES, BEADERS, ETC.

CARRIAGE MAKERS' RABBET PLANES.



No. 10½—9 in., 2⅛ in. cutter, w't 3 lbs., each .....BJJ $2.75

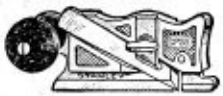
No. 10—13 in., 2⅛ in. cutter, w't 4½ lbs., each .....BDJ $3.30

No. 10½ C—9 in., with corrugated bottom, 2⅛ in. cutter, w't 3 lbs., each .....BJJ $2.75

No. 10C—13 in., with corrugated bottom, 2⅛ in. cutter, w't 4½ lbs., each .....BDJ $3.30

Adapted for mining, wagon making and other heavy work.

SIDE RABBET PLANES.



No. 98—4 in., nickel plated, right hand, w't 8 oz.....each JGE $1.00



No. 99—4 in., nickel plated, left hand, w't 8 oz.....each JGE $1.00

Cutters, for Nos. 98 and 99, each★ .....AH .20

Convenient tools for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give each tool a form by which it will work close up into corners.

ONE IN A BOX.

UNIVERSAL HAND BEADERS.

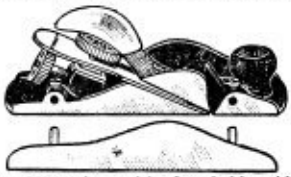


No. 66—Stanley's, width 11¼ in., nickel plated stock, 7 steel cutters and 1 blank with 2 gauges for straight or curved work, w't 1¼ lbs., each .....JGE $1.00

Cutters or blanks for No. 66, each★ .....JE .05

Very handy for beading, reeding or fluting straight or irregular surfaces and for light routering. The handles are curved to give ample room between the user's hands and the surface of the work.

RABBET AND BLOCK PLANES.



No. 140—7 in., with detachable side, 1½ in. cutter, w't 1¼ lbs., each .....AAJ $1.40

Cutters, for No. 140★....each AH .20

The detachable side will easily change this tool from a block plane to a rabbet plane, and vice versa. The cutter is adjustable end-wise and is set on askew.

DADO PLANE.

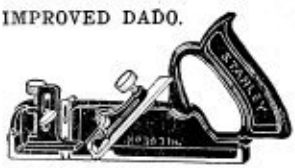


No. 239—Stanley's, 7½ in., ⅛ in. cutter, w't each 1 lb.....each AGE $2.20

Extra narrow cutter makes it ideal for blind wire grooving. Double spur prevents splintering in cross grain work. Depth gauge allows a ½ inch groove to be cut.

ONE IN A BOX.

IMPROVED DADO.



8 Inch, Iron Stock, with Depth Gauge and Two Adjustable Spurs.

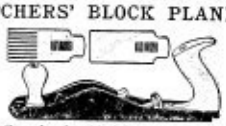
No. 39—Cutter, in...	¼	⅜	½
Each $1.65	1.65	1.65
	ABE	ABE	ABE
No. 39—Cutter, in...	⅝	¾	⅞
Each $1.65	1.65	1.65
	ABE	ABE	ABE

Cutters, for No. 39★.....each AH $0.20

Holds true in narrow widths where a wood plane will not. Has a skew cutter and adjustable depth gauge and spurs on each side of plane, thus allowing wear to be taken up and depth of the cut regulated.

ONE IN A BOX.

BUTCHERS' BLOCK PLANE.



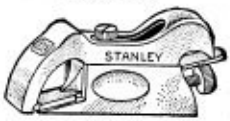
No. 64—Stanley's, 12½ in., two 2 in. cutters, w't each 4 lbs., each AHE $2.40

For truing up and resurfacing butchers' blocks. The regular plane iron is used for finishing, also for keeping in condition meat benches and tables.

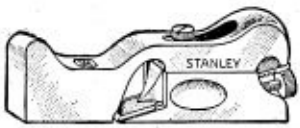
ONE IN A BOX.

★FOR FACTORY SHIPMENT ONLY.

CABINET MAKERS' RABBET PLANES.



No. 90—4 in., bull nose, adjustable, 1 in. cutter, w't 1 lb..each AFE $2.20



Nickel Plated, with Adjustable Throat.

No. 92—5½ in., ¾ in. cutter, w't 1½ lbs., each .....AFE $2.20

No. 93—6½ in., 1 in. cutter, w't 1¾ lbs., each .....BJJ $2.60

No. 94—7½ in., 1¼ in. cutter, w't 2 lbs., each .....BCE $3.00

Cutters, for above★.....each BE .30

For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the plane will lie perfectly flat on either side and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Handy" grip feature. The cutters are adjustable endwise.

ONE IN A BOX.

CORNERING TOOLS.



No. 28—5¼x⅝ in., flat steel, ⅛ and 5/16 in. cutters, w't per doz. 1½ lbs., per dozen .....BJE $4.80

No. 29—5¼x ⅞ in., flat steel, ¼ and ⅜ in. cutters, w't per doz. 1½ lbs., per dozen .....BBJ $4.80

These tools are used by pattern makers and all wood workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.

ONE-HALF DOZEN IN A BOX.

CABINET SCRAPER BURNISHERS.



No. 01—Polished oval cast steel blade, wood handle with ferrule, entire length 8½ in., w't per doz. 1¼ lbs., per dozen.....AHJ $4.00

This tool is used to put a smooth finishing edge to a cabinet scraper.

ONE-HALF DOZEN IN A BOX.

CABINET SCRAPERS.

CABINET SCRAPERS.



No. 81—Stanley's, nickel plated, raised handles, length 10 in., 2½ in. cutter, w't per doz. 30 lbs.,
per dozen.....**ADDJ** $18.00
Designed to do fine scraping such as veneering, cabinet work, etc. Has a rosewood face which reduces friction and prevents marring the surface worked upon. Handles are raised to protect user's hands and are pierced for easy hanging up when not in use.



No. 80—Stanley's, japanned, raised handles, length 11 in., 2¼ in. cutter, w't per doz. 21 lbs.,
per dozen.....**JHIJ** $12.00
Cutters, for No. 80, per doz. **BAE** 2.40



No. 82—Stanley's, japanned with polished edges, maple handle and knob, length 14½ in., 3 in. cutter, swinging adjustment, w't per doz. 21 lbs., per dozen .....**JIFJ** $12.60
Extra Cutters, for No. 82,
per dozen .....**AEF** 2.00
The adjustable handle allows the blade to be tilted to any angle desired. Special blades of different forms and widths can be securely held in any position required, thus permitting the tool to be worked in many places inaccessible to other scrapers.

ONE IN A BOX.

CABINET SCRAPERS.



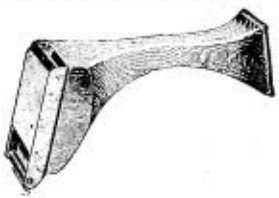
No. 114—Polished steel frame, crucible steel blades, rubberoid handle, blades 3x5 in., 16 guage, w't per doz. 24 lbs.....per dozen **ABJJ** $24.00
Extra Blades.....per dozen **BAE** $4.00
The handle is adjustable to any position up or down and sidewise. Blade can be instantly removed or adjusted by releasing the lever under hand rest.
The hand rest relieves strain on the wrist and prevents chattering. Will hold any blade up to 3 in. wide.



No. 116—Japanned steel frame, 3x1½ in. crucible steel blade, stained handle, adjustable to any position, w't per doz. 21 lbs.,
per dozen.....**JIJJ** $18.00
Blade is adjustable and handle by an ingenius ball and socket arrangement, can be instantaniously set at a wide angle to the blade in any direction.



No. 150—Bennett, adjustable, nickel plated, blade 3 in. wide, 5 in. long, 11 in. maple handle, w't per doz. 17 lbs.....per dozen **JHDJ** $18.00



No. 21—Ellsworth's, 8 in., adjustable, 3 in. steel cutter, polished hickory handle, w't per doz. 15½ lbs., per dozen .....**JIFJ** $16.00
Extra blades .....per dozen **JHE** 1.50

ONE IN A BOX.

CABINET SCRAPERS.



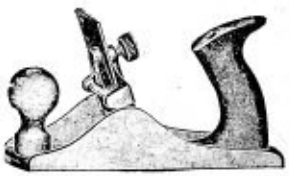
Best Crucible Steel, Nicely Finished, Dressed on Edges.

Nos.	22½	23	24	25½
Size, in.	2½x5	3x5	3x6	3½x6
W't per doz., lbs.	1¾	2¼	2½	2¾
Per dozen	$2.50	3.00	3.50	4.00
	ACJ	**AEJ**	**AGJ**	**BJJ**

Disston Cast Steel, Polished.

Nos.	1	2	3
Inches	2½x5	4x6	3x6
W't per doz., lbs.	2	3½	3
Per dozen	$1.00	1.80	1.30
	JFJ	**AAJ**	**JHJ**

Made of selected high grade English steel, great care being taken to give them a special temper for this kind of work.



No. 87—Stanley's, 8 in., adjustable, 2 in. cutter, stationary rosewood handle and knob, w't per doz. 30 lbs., per dozen.....**AHJJ** $24.00
Cutters, for No. 87, per doz. **BAE** 2.40

In use the blade springs backward from the front end of the mouth, allowing shavings to pass through. When working pressure is released the blade springs back to its normal position.

ONE DOZEN IN A BOX.



No. 10—Ajax, 3x3 in. cast steel polished blade, polished beechwood handle, japanned malleable iron clamp, w't per doz. 10 lbs. ....per dozen **BBJ** $5.00

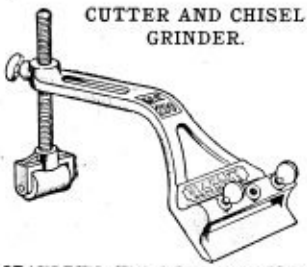
No. 11—Extra blades for No. 10, 3x3 in., 16 gauge steel ..per dozen **ADJ** $2.80

A labor saving and convenient tool, relieves the fingers from the painful stiffening effect produced by the ordinary scraper. With its aid very rapid work can be done with much less than the usual effort and correct scraping-angle is more easily preserved.

ONE-HALF DOZEN IN A BOX.

CUTTERS, ANGLE DIVIDERS, GAUGES, BRACKETS, ETC.

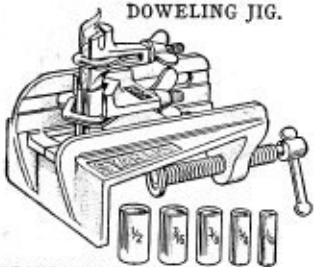
CUTTER AND CHISEL GRINDER.



STANLEY'S, Nickel Plated, All Metal.
No. 200—W't each 1¾ lbs.,
each ..... **JGJ** $1.25

This device is designed for holding plane irons, chisels and other similar tools so that they may be ground or honed to any desired angle or bevel, insuring an accuracy that is very difficult to obtain when the tool is held in the hand. Three screw holes and two thumb screws enable one to grind any sized blade. The tool can be adjusted to any height on the roller column at the back, thus regulating the bevel of the blade. Roller can be turned at any angle to the main body, thus obtaining the slanting stroke so commonly used when tools are sharpened without a holder. ONE IN A BOX.

DOWELING JIG.



STANLEY'S, Nickel Plated, All Metal.
No. 59—Furnished with five steel guides ¼x⅞, ⅜x⅞ and ½x1¼ in. long, w't each 1½ lbs. .....each **AEE** $2.50

This tool enables the user to bore dowel holes in the edge, end or surface of any work with ease and accuracy. It is also an excellent bit guide for mortising. Will take any thickness of material up to 3 in.

ONE SET IN A BOX.

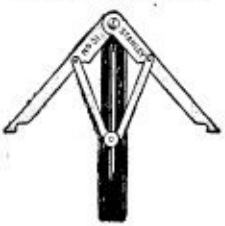
ROOFING BRACKETS.



No. 1—Stanley's, steel, japanned, 8 in., w't per doz. 14 lbs.,
per dozen.....**BFE** $3.50

So constructed that any increase of pressure or weight from above increases their security by pressing the spurs into the shingles. Steel spurs also hold the sawing boards. No loose parts to get lost and no nail holes are made in the roof. ONE-HALF DOZEN IN A BOX.

ANGLE DIVIDERS.



No. 31—8 in. long, rosewood handle.
per dozen.....**JIJJ** $12.00

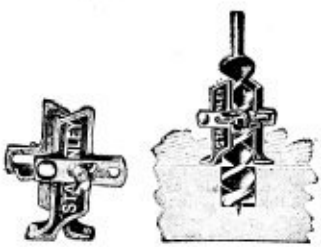


No. 30—Nickel plated, w't per doz. 8 lbs.....per dozen **ACEJ** $18.00

With this tool any angle can be found and bisected. Fitting moulding or other woodwork to odd angles can be done with ease and certainty. It is also graduated for parts of circle commonly used. A handy tool for laying out work, can also be used as a try or T square.

ONE IN A BOX.

BIT GAUGES.



No. 49—Nickel plated steel, adjustable, w't per doz. 3¼ lbs.,
per dozen.....**DHJ** $7.20

This gauge being adjustable will fit any bit and will always remain secure and accurate. To operate, loosen the thumb screws, insert the shank of the bit, turn the twist of the bit in the gauge to the required depth and tighten the thumb screws, stops on either side prevent the worm being bent or broken. Will hold bits of any size up to 1 in. in diameter.

ONE IN A BOX.

CLAPBOARD MARKERS AND GAUGES.



No. 88.



No. 89.

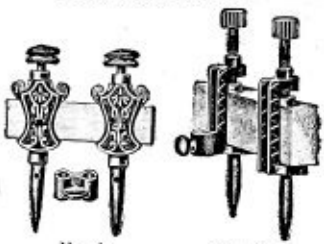
No. 88—Clapboard markers, metal stock, wood handle, steel blade, adjustable, w't per doz. 12 lbs.,
per dozen.....**DHJ** $6.00
No. 89—Clapboard gauges, metal stock, wood handle, steel blade, adjustable, w't per doz. 6 lbs.,
per dozen.....**DHJ** $6.00
NO. 88, ONE; NO. 89, ONE-QUARTER DOZEN IN A BOX.

SHINGLE GAUGES.



No. 040—Cold rolled steel, ¾x⅛ in., with set screws, w't per doz. ¾ lb.,
per dozen.....**ABJ** $3.00
ONE-HALF GROSS IN A BOX.

TRAMMEL POINTS.



No. 2. No. 4.

For Bar.

No. 2—Stanley's, cast brass, steel points, with pencil holder, w't per doz. prs. 3¼ lbs.,
per dozen pairs .....**AAHJ** $18.00
No. 4—Stanley's, iron, nickel plated, steel points, with pencil pocket, w't per doz. prs. 3¼ lbs.,
per dozen pairs .....**FAJ** $9.00
ONE PAIR IN A BOX.



For Rule.

No. 99—Stanley's, cast brass, steel points, with pencil socket, per dozen sets .....**EJE** $6.00
ONE SET IN A BOX.

PLANE IRONS AND PARTS.

PLANE IRONS.



Single.

Width, in.	1⅝	1¾	2
No. 60—Bailey, each	$0.21	.23	.25
	AI	BA	BC
No. R60 Reversible, each		.23	.25
		BD	BG
Width, in.	2⅛	2¼	2⅜	2⅝
No. 60—Bailey, each	$0.27	.28	.29	.32
	BD	BE	BI	CJ
No. R60 Reversible, each	.27	.28	.29	.32
	BI	CA	CC	CF

ONE-HALF DOZEN IN A BOX.



Double, for Wood Bottom Planes.

Width, in.	1¾	2	2⅛
No. 65—Bailey, each	$0.38	.42	.45
	CD	CH	DJ
No. R65 Reversible, each	.38	.42	.45
	CD	CH	DJ
Width, in.	2¼	2⅜	2⅝
No. 65—Bailey, each	$0.47	.48	.50
	DB	DC	DD
No. R65 Reversible, each	.47	.48	.50
	DE	DH	DH

ONE-HALF DOZEN IN A BOX.

Double, for Iron Bottom Planes.

Width, in.	1¾	2	2⅛
No. 75—Stanley, ea.	$0.38	.42	.45
	CD	CH	DJ
No. R75, Reversible, ea.	.38	.42	.45
	CC	CG	DE
Width, in.		2⅜	2⅝
No. 75—Stanley, each		$0.48	.50
		DC	DD
No. R75 Reversible, each		.48	.50
		DH	DH

ONE-HALF DOZEN IN A BOX.



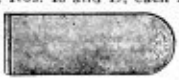
Block.

Irons, for Bailey planes, Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19 and 220, each ..... **AE** $0.17

Irons, for Reversible planes, Nos. R9½, R9¾, R15, R15½, R1600, R1700, R1800, R1900, R6500 and R2200, each **AE** $0.17

Extra Caps and Levers, for Bailey planes, Nos. 9½, 9¾, 15 and 15½, each ..... **JI** $0.10

Extra Caps and Levers, for Bailey planes, Nos. 18 and 19, each **AF** $0.20



Block.

Irons, for Stanley planes, Nos. 110 and 130 ..... each **AB** $0.13

Irons, for Reversible planes, Nos. R102, R103, R110 and R1300...each **AB** $0.13

Extra Caps and Screws, for Stanley planes, Nos. 110, 220 and 130, each ..... **JI** $0.10

No. 4—Extra Caps for Nos. 3, 4, 5, 5½, 6 and 7 Bailey and Reversible Planes, each ..... **BD** $0.25

SIEGLEY SINGLE PLANE IRONS.

Width, in.	2	2¼	2⅜	2½
Each	$0.30	.35	.40	.45
	BE	BG	CJ	EJ

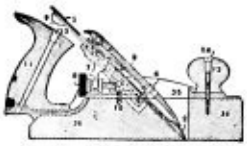
PLANE PARTS.



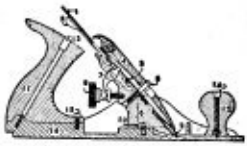
Parts of Block Planes.

Fig. 1B—Plane iron.
Fig. 4B—Cap.
Fig. 5B—Cap screw.
Fig. 7B—Adjusting lever.
Fig. 8B—Adjusting nut.
Fig. 9B—Lateral adjustment.
Fig. 16B—Bottom—adjustable throat.
Fig. 20B—Mouth-piece.
Fig. 21B—Eccentric plate.
Fig. 22B—Knob.
Fig. 26B—Adjustable frog.
Fig. 28B—Adjusting screw.
Fig. 46B—Bottom.

PLANE PARTS.



Sectional View of Bailey Wood Planes.



Sectional View of Bailey Iron Planes.

Parts of Bailey Planes.

No. 1—Plane iron.
No. 2—Plane iron cap.
No. 3—Plane iron screw.
No. 4—Lever cap.
No. 5—Cap screw.
No. 6—Frog.
No. 7—"Y" adjustment.
No. 8—Brass adjusting nut.
No. 9—Lateral adjustment.
No. 10—Frog screw.
No. 11—Handle.
No. 12—Knob.
No. 13—Handle "bolt and nut."
No. 14—Knob "bolt and nut."
No. 15—Handle screw.
No. 16—Bottom—iron plane.
No. 35—Top casting—wood plane.
No. 36—Bottom—wood plane.

The sectional cuts show the parts assembled in the Bailey iron and wood planes. The cuts of the block planes show how the parts are assembled for this class of plane. It will be noticed that two designs of adjustment for block plane are shown. In one the plane iron rests on a support cast solid with the bottom, and is moved backward and forward on this support, by the adjusting lever 7B, which engages with the notches in the plane iron. In the other the plane iron rests on and engages with the adjustable frog 26B, and the position of this adjustable frog is directly governed by adjusting screw No. 28B.

The collection of parts marked A consists of the No. 6 frog, No. 7 "Y" adjustment, No. 8 brass adjusting nut and No. 9 lateral adjustment. These parts we term "Frog Complete," and if a "Frog Complete" is ordered, the parts are always put together before shipment from our factory.

In ordering parts for any plane, give the number and name as given in the list and also the number on the plane for which the parts are required.

We do not carry these goods in stock. All orders will be shipped from factory.

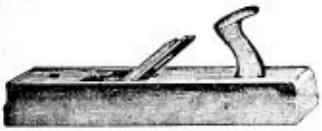
WOOD PLANES.

BARTLETT'S BENCH.



No. 03—8 in., smooth, 2 to 2¼ in. double iron, polished lignumvitae start, w't 2 lbs. .....each **J G E** $0.90

THIRTY-SIX IN A CASE.



No. 010—16 in., jack, 2 to 2¼ in., **single iron,** polished lignumvitae start, w't 3½ lbs. .....each **J G J** $0.85

No. 013—16 in., jack, to 2¼ in., **double iron,** polished lignumvitae start, w't 3½ lbs. .....each **J H E** $1.00

THIRTY-SIX IN A CASE.

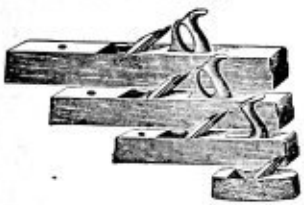


No. 019—22 in., fore, 2⅛ to 2⅜ in., double iron, polished lignumvitae start, w't 5¾ lbs. .....each **A D E** $1.70

All Bartlett planes are fitted with superior irons, manufactured from best cast steel and fully warranted.

TWENTY IN A CASE.

OGONTZ BENCH.



Double Iron, Polished Ebony Start.

8 in. Smooth, 2 to 2¼ in., w't 2 lbs., each .....**F E** $0.90

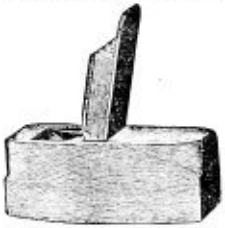
16 in. Jack, 2 to 2¼ in., w't 3½ lbs., each .....**J G J** $1.00

22 in. Fore, 2⅛ to 2⅛ in., w't 6 lbs., each .....**A B J** $1.70

26 in. Jointer, 2⅛ to 2⅜ in., w't 7½ lbs., each .....**A C J** $1.80

8 IN. AND 16 IN., THIRTY-SIX; 22 IN., TWENTY-FOUR; 26 IN., TWENTY IN A CASE.

BARTLETT'S TOOTH.



No. W36—2⅛ in., cast steel iron, w't 1¼ lbs. .....each **J I J** $1.00

ONE IN A PACKAGE.

BARTLETT'S DADO.



No. 62—Screw top, sizes ⅛, ¾ and ⅞ in., w't 1 lb. .....each **A C E** $1.50

Specify size in ordering.

ONE IN A PACKAGE.

BARTLETT'S STEP NOSING.



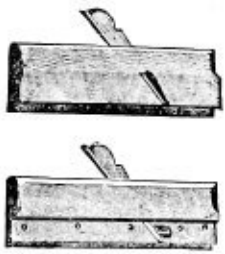
No. 113½—2 irons, sizes ⅞, 1, 1⅛ and 1¼ in., w't 1¼ lbs.....each **A J J** $1.10

No. 113½—2 irons, sizes 1¼ and 1½ in., w't 1½ lbs. .....each **A A J** $1.20

Specify size in ordering.

ONE IN A PACKAGE.

BARTLETT'S BOARD MATCH.



One Pair No. 99.

No. 199—Sizes ¼, ⅝, ¾, ⅞ and 1 in., w't 2¼ lbs. .....per pair **A C E** $1.50

Specify size in ordering.

ONE PAIR IN A PACKAGE.

BARTLETT'S SKEW RABBET.



No. 146—Sizes ½, ⅝, ¾, ⅞ and 1 in., w't 14 oz. .....each **E E** $0.60

No. 146—1¼ in., w't 1¾ lbs., each .....**F J** .65

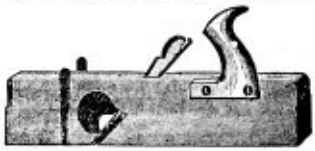
No. 146—1½ in., w't 1½ lbs., each .....**F E** .70

No. 146—1¾ in., w't 1¾ lbs., each .....**G J** .80

Specify size in ordering.

ONE PAIR IN A PACKAGE.

BARTLETT'S JACK RABBET.



No. 149. Side Handle.

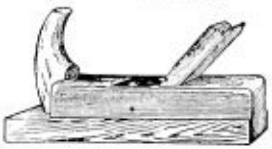
No. 149—Center handle, with 2 cutters, sizes 1½, 1¾ and 2 in., w't 2¼ lbs., each .....**A E E** $1.70

No. 149—Side handle, with 2 cutters, sizes 1¼, 1½, 1¾ and 2 in., w't 2¼ lbs., each .....**A G J** $1.90

Specify size in ordering.

ONE PAIR IN A PACKAGE.

GERMAN SCHRUP.

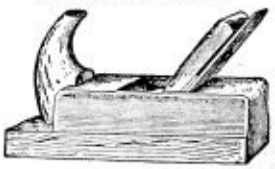


No. 500—10 in., 1¼ in. single iron, with horn, w't 3½ lbs.....each **J G J** $1.25

Extra irons, for No. 500..each **B J** .40

This plane is imported from Germany, where it is extensively used. It has a round nose iron, and is especially useful for rough planing.

GERMAN SMOOTH.

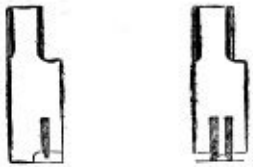


No. 400—8½ in., 2 in. double iron, **w't** 2¼ lbs. .....each **A D J** $1.50

Fitted with a French 2 in. double iron and requires a little fitting by the user.

FANCY WOOD PLANES AND FLOOR SCRAPERS.

BARTLETT'S BEAD.



No. 47. No. 51.

Side, Single Boxed.

No. 47—Sizes ¼, ⅜, ½ and ⅝ in., w't 12 oz. .....each **DE** $0.50

Center, Double Boxed.

No. 51—Sizes ¼, ⅜ and ½ in., w't 12 oz., each .....**EE** $0.60

Specify size in ordering.

ONE IN A PACKAGE.

BARTLETT'S SASH.



No. 169—Ogee, boxed, dovetailed, screw arms, self regulating, w't 2 lbs., each .....**BJE** $2.25

ONE IN A PACKAGE.

BARTLETT'S MOULDING.



Scotia or Quarter Round.

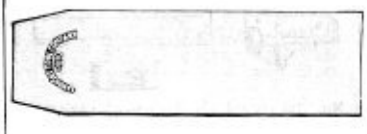
No. 54—Size ⅝ in., w't 1⅝ lbs., each .....**DE** $0.50

No. 54—Sizes ¼ and ⅜ in., w't 1¼ lbs., each .....**FJ** $0.65

Specify size in ordering.

ONE IN A PACKAGE.

PLANE IRONS.



BARTLETT'S, Single, for Wood Bench Planes.

No. 80— Width, in..	2	2⅛	2¼	2⅜
W't, doz., lbs.	6½	6¾	7⅛	8⅛
Each $0.26		.28	.31	.38
	BE	**BE**	**CJ**	**CE**

ONE DOZEN IN A BOX.

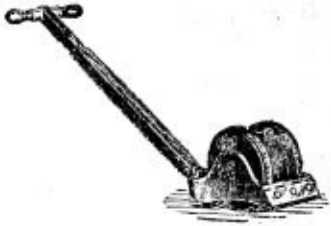
REVONOC PLANES

are perfect in every detail of construction and beautifully finished lending an air of distinction wherever shown.

The smooth Jack and Jointer in both Iron and Wood are fitted with heavy laid steel cutters.

All parts are interchangeable and carefully fitted.

FLOOR SCRAPERS.



"Little Giant," complete with 6 blades, 7¼ in. long, 2½ in. wide, w't crated 105 lbs.....each **CFJJ** $50.00

Extra blades, w't per doz. 2½ lbs., per dozen .....**FEJ** $8.00

The Little Giant floor scraper is a device used for scraping any kind of a floor. The blade is mounted on a frame at an angle of 60 degrees, and the frame is mounted on four rollers. The large roller is a weight of 65 pounds and is used to give the pressure upon the blade when the scraper is in operation.

It has a capacity of from five to seven squares (100 square feet in a square) per day. The handle can be shortened, when necessary, for small rooms. Every inch of the floor can be scraped, as the blade extends to the full width of the frame and allows it to go along the base-board and quarter-round strip. Six blades are included with each machine, which will scrape 15,000 square feet of floor.



No. 100—Stearn's, 2—6 in. blades 2½ in. wide, adjustable cross handle, length of handle and braces 38½ in., 5 in. wheels with rubber tires, heavy iron frame, aluminum finished, shipping w't each 118 lbs.....each **AJHJ** $25.00

Extra Blades for No. 100 Floor Scrapers, w't per doz. 2 lbs., per doz. **EDJ** $8.00

The handle can be moved to either side, thus permitting close work in corners.

ONE IN A BOX; SHIPPING W'T PER BOX 135 LBS.

GAUGES.

MARKING.



No. 18 —6 in., hexagon steel bar, ¾ in., diameter, finely nickel plated, marked in 32nds, beveled steel roller on end for marking, w't per doz. 3 lbs. .....per dozen **DEJ** $8.00

ONE IN A BOX.



No. 0—Stanley's 8½ in., beechwood bar marked in 16ths, fixed marking point, beechwood head, boxwood thumb screw, w't per doz. 2⅜ lbs., per dozen .....**DE** $0.75

ONE DOZEN IN A BOX.



No. 61—Stanley's, 8½ in., beechwood bar marked in 16ths, fixed marking point, beechwood head, boxwood thumb screw, w't per doz. 2⅜ lbs., per dozen .....**JFJ** $1.00

ONE DOZEN IN A BOX.



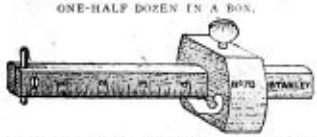
No. 62—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable steel marking point, beechwood head, boxwood thumb screw, w't per doz. 2⅜ lbs.....per dozen **ABJ** $2.00

ONE DOZEN IN A BOX.



No. 64½—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable steel marking point, oval plated beechwood head, brass thumb screw, w't per doz. 1⅜ lbs. .....per dozen **BFJ** $4.50

ONE-HALF DOZEN IN A BOX.



No. 70—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable, steel marking point, plated beechwood head, boxwood thumb screw, w't per doz., 1¼ lbs. ...per dozen **BCE** $4.00

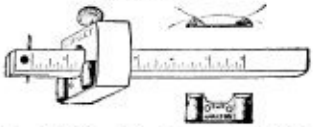
ONE DOZEN IN A BOX.



No. 65—Stanley's, 8½ in., boxwood bar marked in 16ths, adjustable steel marking point, plated boxwood head, brass thumb screw, w't per doz. 1⅞ lbs., per dozen .....**CFJ** $6.00

ONE-HALF DOZEN IN A BOX.

MARKING.



No. 162—Stanley's Improved, 8½ in., beechwood bar marked in 16ths, adjustable steel point, beechwood head, boxwood thumb screw, w't per doz. 3½ lbs. .....per dozen **AHJ** $3.00

No. 165—Stanley's Improved, 8½ in., boxwood bar marked in 16ths, adjustable steel marking point, plated boxwood head, brass thumb screw, w't per doz. 2½ lbs., per dozen .....**DBE** $7.00

The metal plate with two convex faces attached to one side of head, permits of a gauge line being run with perfect steadiness and accuracy around curves of any degree, either concave or convex. Head is reversible and flat side used for ordinary work.

NO. 162, ONE DOZEN; NO. 165, ONE-HALF DOZEN IN A BOX.

MORTISE.



No. 68—Stanley's, 8½ in., beechwood bar marked in 16ths, fixed marking point, plated beechwood head, brass thumb screw, wood slide, w't per doz. 1⅞ lbs. .....per dozen **CBJ** $6.00

ONE-HALF DOZEN IN A BOX.



No. 73—Stanley's, 6½ in., boxwood bar marked in 16ths, fixed marking point, plated boxwood head, brass thumb screw, brass slide, w't per doz. 2 lbs., per dozen .....**DGJ** $8.00

ONE-HALF DOZEN IN A BOX.



No. 72—Stanley's, 8½ in., beechwood bar marked in 16ths, fixed marking point, boxwood head, boxwood thumb screw, double bar, w't per doz. 1⅞ lbs., per dozen .....**BCE** $4.00

ONE-HALF DOZEN IN A BOX.



No. 77—Stanley's 6½ in., rosewood bar marked in 16ths, fixed marking point, plated rosewood head, brass thumb screw, screw slide, w't per doz. 2½ lbs., per dozen .....**JFGJ** $10.00

ONE-HALF DOZEN IN A BOX.

MARKING.



No. 90—Stanley's, 8 in., nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 3 lbs. .....per dozen **CAJ** $4.20



No. 97—Stanley's, 8 in., nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 6 lbs. .....per dozen **EAJ** $6.60

This gauge has both rollers and steel points, the rollers being preferable for running over knots and across the grain.

ONE IN A BOX.

MARKING AND MORTISE.



No. 19 — in., hexagon steel bars, long bar 8 in., short bar 4 in., finely nickel plated, long bar marked in 32nds, beveled steel rollers, for marking, two set screws, w't per doz. 10½ lbs. .....per dozen **JIJJ** $15.00



No. 91—Stanley's, 8 in., nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 6 lbs. .....per dozen **FJJ** $7.80

BUTT AND RABBET.



No. 92—Stanley's, 8 in., polished brass bar marked in 16ths, steel plate and markers, rosewood head, w't per doz. 9 lbs. .....per dozen **AAGJ** $15.00

For hanging doors, mortising, marking, etc.

ONE IN A BOX.

PANEL.



No. 85—Stanley's, 17½ in., beechwood bar marked in 8ths, adjustable marking point, plated beechwood head, boxwood thumb screw, w't per doz. 5½ lbs. .....per dozen **AIJ** $3.20

No. 85½—Stanley's, 20½ in., rosewood bar marked in 8ths, adjustable marking point, plated rosewood head, brass thumb screw, w't per doz. 5⅝ lbs., per dozen .....**ACHJ** $18.00

NO. 85, ONE DOZEN; NO. 85½, ONE-HALF DOZEN IN A BOX.

PLUMBS AND LEVELS.

LEVELS.



No. 102 —Hardwood, brass top plate, two side views, polished, assorted 14 to 16 in., w't per doz. 15 lbs., per dozen.....**CFJ** $8.50

ONE DOZEN IN A BOX.

PLUMBS AND LEVELS.



No. 104 —Hardwood, brass top plate, two side views, polished, assorted 16 to 18 in., w't per doz. 20 lbs., per dozen.....**JECJ** $13.00

ONE DOZEN IN A CASE.



No. 00 —Hardwood, brass top plates, two side views, polished, assorted 18 to 24 in., w't per doz. 34 lbs., per dozen.....**JFIJ** $16.00

ONE-HALF DOZEN IN A CASE.



No. 0 —Hardwood, brass top plates, two side views, polished, assorted 24 to 30 in., w't per doz. 44 lbs., per dozen.....**JGHJ** $18.00

ONE-HALF DOZEN IN A CASE.



No. 2 —Adjustable, hardwood, brass top plates, two brass lipped side views, polished, assorted 26 to 30 in., w't per doz. 50 lbs., per dozen.....**AJFJ** $26.00

ONE-HALF DOZEN IN A CASE.

PLUMBS AND LEVELS.



No. 3 —Adjustable, hardwood, brass top plates and brass tips, two side views, polished, assorted 26 to 30 in., w't per doz. 50 lbs., per doz .....**ABFJ** $30.00

ONE-HALF DOZEN IN A CASE.



No. 5 —Adjustable, hardwood, three piece brass top plates, brass tips, and two brass lipped side views, polished, assorted 26 to 30 in., w't per doz. 50 lbs., per doz. **AEEJ** $36.00

ONE-HALF DOZEN IN A CASE.



Duplex Adjustable.

No. 300 —Adjustable, hardwood, brass top plates, two circular brass side plates, brass tips, two side views, polished, 26, 28 or 30 in., w't per doz. 48 lbs. .....per dozen **AEEJ** $36.00

ONE-HALF DOZEN IN A CASE.



No. 500 —Adjustable, hardwood, three piece brass top plates, two circular brass side plates, brass tips, two brass lipped side views, polished, 26, 28 or 30 in., w't per doz. 48 lbs., per dozen.....**AHGJ** $45.00

ONE-HALF DOZEN IN A CASE.

These levels have three glasses, a level glass set in the top in the usual way, a second glass set in the side, and a plumb glass. The plumb glass is set close to one side of the stock, a great advantage in over-head work. The second level glass can be reversed to form a second plumb if required

PLUMBS AND LEVELS.



No. 150 —Adjustable, hardwood, three piece heavy brass top plates, corner tips and two brass lipped side views, special set, special finish, 26, 28 or 30 in., w't per doz. 42 lbs., per dozen .....**AHGJ** $45.00

ONE IN A BOX.



Double Plumb Adjustable.

No. 130 —Adjustable, hardwood, heavy brass top plates and corner tips, two plumb glasses, special set, special finish, 26, 28 or 30 in., w't per doz. 42 lbs., per doz. **AEFJ** $28.00

ONE IN A BOX.



No. 190 —Adjustable, mahogany, heavy brass top plates, corner tips and two brass lipped side views, two plumb glasses, special set, special finish, 26, 28 or 30 in., w't per doz. 39 lbs. .....per dozen **AIIJ** $48.00

In these levels two plumb glasses are so set that the user can plumb from either end of the level without reversing.

ONE IN A BOX.



Adjustable, Mahogany, Brass Top Plates, Two Side Views, Full Brass Bound, Two Plumbs, Special Finish.

No. 193 —

Inches	12	18	24
W't, doz., lbs..	13½	33	42
Per dozen	$54.00	67.00	81.00
	BBBJ	**BGJJ**	**CBDJ**

These brass bound adjustable plumbs and levels have the four edges protected by one piece of brass of special form dove tailed the entire length into the wood and through the solid tips.

PLUMBS AND LEVELS.

LEVELS.



No. 115—Nickel plated top plate, 2 side views, cherry stained, length 12 in., w't per doz. 6½ lbs., per dozen .....**AEJ** $3.60

ONE DOZEN IN A BOX.



No. 102—Brass arch top plate 2 side views, polished, assorted, 14 to 16 in., w't per doz. 20 lbs., per dozen .....**CBE** $8.15

No. 103—Brass arch top plate, 2 side views, polished, assorted, 18 to 24 in., w't per doz. 32 lbs., per dozen .....**JDBJ** $10.25

ONE-HALF DOZEN IN A CASE.

PLUMBS AND LEVELS.



No. 155—Nickel plated top plate, cherry, length 12 in., w't per doz. 6 lbs., per dozen .....**BJJ** $4.50

ONE DOZEN IN A BOX.



No. 00—Brass arch top plate, polished, 2 side views, assorted, 18 to 24 in., w't per doz. 34 lbs., per doz. **JFCJ** $14.00

No. 0—Brass arch top plate, 2 side views, polished, assorted, 24 to 30 in., w't per doz. 44 lbs., per dozen .....**JGJJ** $15.85

ONE-HALF DOZEN IN A CASE.



No. 2—Adjustable, brass arch top plate, 2 brass lipped side views, polished, assorted, 26 to 30 in., w't per doz. 50 lbs. .....per dozen **JIDJ** $23.30

No. 3—Adjustable, brass arch top plate, 2 side views, polished and brass tipped, assorted, 26 to 30 in., w't per doz. 50 lbs.....per dozen **AACJ** $26.00

ONE-HALF DOZEN IN A CASE.

PLUMBS AND LEVELS.



No. 4—Adjustable, brass arch top plate, 2 brass lipped side views, polished and brass tipped, asorted, 26 to 30 in., w't per doz. 50 lbs., per dozen .....**ABCE** $27.00

No. 5—Adjustable, triple stock, brass arch top plate, 2 ornamental brass lipped side views, polished and brass tipped, assorted, 26 to 30 in., w't per doz. 50 lbs.....per dozen **ADAJ** $32.00

ONE-HALF DOZEN IN A CASE.



STANLEY'S.

No. 00-S—Brass arch top plate, 2 side views, polished, assorted, 18 to 24 in., side groove, proved glasses, w't per doz. 33 lbs. .....per dozen **FIJ** $8.75

No. 0-S—Brass arch top plate, 2 side views, polished, assorted, 24 to 30 in., side groove, proved glasses, w't per doz. 40 lbs. ....per dozen **GHJ** $9.90

ONE-HALF DOZEN IN A BOX.



No. 3-S.

STANLEY'S.

No. 2-S—Adjustable, square brass top plate, 2 brass lipped side views, polished, assorted, 26 to 30 in., side groove, proved level glasses, w't per doz. 44 lbs.....per dozen **AJFJ** $14.70

No. 3-S—Adjustable, brass arch top plate, 2 brass lipped side views, polished and brass tipped, assorted, 26 to 30 in., side groove, proved glasses, w't per doz. 44 lbs., per dozen .....**ABFJ** $16.50

ONE-HALF DOZEN IN A CASE.



No. 13—Stanley's, adjustable, heavy brass top plate and corner tips, two plumb glasses, selected hardwood, side groove, length 26 to 30 in., w't per doz. 44 lbs., per doz. **AEFJ** $21.00

ONE IN A BOX.

PLUMBS AND LEVELS.



No. 90—Stanley's, adjustable, square brass top plate, 2 brass lipped side views, mahogany, brass tipped, ground glasses, 26, 28 or 30 in., grooved side, w't per doz. 38 lbs., per dozen .....**BGGJ** $39.00

ONE IN A BOX.



STANLEY'S.

No .95—Adjustable, square brass top plate, 2 brass lipped side views, mahogany, brass bound, ground glasses, grooved side, 26, 28 or 30 in., w't per doz. 38 lbs.....per dozen **DJIJ** $60.00

No. 96—Adjustable, square brass top plate, 2 brass lipped side views, rosewood, brass bound, ground glasses, grooved side, 26, 28 or 30 in., w't per doz. 64 lbs.....per dozen **EICJ** $80.00

ONE IN A BOX.



No. 93—Stanley's, adjustable, square brass top plate, 2 side views, mahogany, full brass bound, proved glasses, grooved side, 26, 28 or 30 in., w't per doz. 40 lbs.....per dozen **CBGE** $48.00

The ground level glass is accurately fitted in a brass case and the only plaster used is that necessary to plug the ends of this case. This brass case is fastened by a screw at each end, directly to the stock of the level, and is entirely independent of top plate. When a change of adjustment is necessary, the same can be readily changed by means of the screw mentioned above. When new glasses are required they are generally set in the brass case at the factory, and it is a very simple matter for the owner to replace the brass case in the stock of the level.

ONE IN A BOX.



STANLEY'S Carpenter's Duplex, Adjustable Brass Arch Top Plate, Two Brass Circular Side Plates, Brass Tips.

No. 30—Polished hardwood, assorted, 26 to 30 in., w't per doz. 48 lbs., per dozen .....**AEEJ** $30.00

No. 25—Polished mahogany, assorted, 26 to 30 in., w't per doz. 44 lbs., per dozen .....**AIGJ** $26.00

No. 50—Polished triple hardwood, assorted, 26 to 30 in., w't per doz. 48 lbs., per dozen .....**AHGJ** $26.00

ONE-HALF DOZEN IN A CASE.

PLUMBS AND LEVELS.

MASONS'.



Stanley's Brass Arch Top Plate, 2 Plumbs, 2 Side Views, Proved Glasses, Polished Hardwood, Grooved Side.

No. 7½—36 in., w't per doz. 52 lbs.....per dozen **ADDJ** $18.90
No. 8-S—42 in., w't per doz. 58 lbs. .....per dozen **AFHJ** $21.60

ONE-HALF DOZEN IN A CASE.



No. 35—Stanley's, adjustable, brass arch top plate, 2 side views, proved glasses, adapted for plumb bob and line, polished, 42 in., w't per doz. 65 lbs. .....per dozen **ADGJ** $21.00

ONE-HALF DOZEN IN A CASE.



Stanley's, Adjustable, Square Top Plate, 2 Brass Lipped Side Views, 2 Plumbs, Proved Glasses, with Plumb Rule, Adapted for Plumb Bob and Line.

No. 45—1¾ stock, 48 in., w't per doz. 80 lbs. .....per dozen **BHAJ** $36.00
No. 45½—1 1/16 stock, 48 in., w't per doz. 60 lbs. .....per dozen **BDIE** 32.00

The two plumb glasses are set in separate holes, but each on the right hand side. This will enable the workman to plumb work below where he stands, or above him, without turning the level stock end for end. There are also two plumb bob holes, so that plumb bob can be used from either end of the level. These improvements will be found a great convenience by the workingman.

ONE-HALF DOZEN IN A BOX.



No. 100—48 in., polished, 2 plumbs, 1 level, proved glasses, incased in brass tubing with movable covers for protection when not in use, w't per doz 54 lbs. .....per dozen **AGJE** $32.00

ONE-HALF DOZEN IN A CASE.



Reversible.

No. 101—42 or 48 in., polished stock with two grips, fitted with six improved glasses, four plumb and two level, w't per doz. 72 lbs., per dozen ..... **BHHJ** $60.00

Being of double construction this Plumb and Level, no matter how it may be picked up, is always in position for use, while the duplicate plumb glasses, one at top and the other just below center, both reading the same, add to its convenience. For low work the upper plumb glass is read and for overhead work the lower glass.

CARPENTERS' AND MACHINISTS'.



STANLEY'S, Adjustable, Japanned Iron, Ground Edges, Nickel Plated Trimmings, Two Plumbs, Proved Glasses.

No. 36—Inches	6	9	12
W't, doz., lbs.	10½	15	22½
Per dozen	$15.00	18.00	20.00
	AJHJ	**ABFE**	**AEIJ**

No. 36—Inches	18	24
W't per doz., lbs.	36	51
Per dozen	$24.00	27.00
	AHIJ	**BADE**

ONE IN A BOX.

STANLEY'S, Adjustable, Nickel Plated Iron, Polished Edges, Nickel Plated Trimmings, 2 Plumbs, Ground Glasses, Revolving Glass Protectors.

PLAIN BOTTOM.

No. 37—Inches	12	18	24
W't, doz., lbs..	25	38	51
Per dozen	$36.00	42.00	48.00
	BCDJ	**BHAJ**	**CBGE**

ONE IN A BOX.

GROOVED BOTTOM.

No. 37-G— Inches	12	18	24
W't, doz., lbs.	24	37½	50
Per dozen	$36.00	42.00	48.00
	BCDJ	**BHAJ**	**CBGE**

ONE IN A BOX.



Stanley's Aluminum, Adjustable, Nickel Plated Level Cases, Revolving Glass Protectors, 2 Plumbs, Proved Glasses, Aluminum and Black Finish, Light in Weight, Will Not Rust or Warp

No. 237—In.....	12	18	24
W't, doz., lbs..	12	15	21
Per dozen	$36.00	42.00	48.00
	BCDJ	**BHHJ**	**CDCJ**

ONE IN A BOX.

Nos. 36, 37, 37G and 237 have tops and bottoms milled and wet ground to insure two perfectly parallel surfaces. Glasses are accurately placed and are so set that either surface may be used to level or plumb. Glass cases have screw adjustments in eccentric cone centers.

STANLEY'S MACHINISTS'.



Nickel Plated, Proved Level Glasses, 2 Side Views, Square Ends.

No. 38½—4 in., w't per doz. 3½ lbs., per dozen .....**DCJ** $5.00
No. 39½—6 in., w't per doz. 7 lbs., per dozen .....**EBJ** $6.00

ONE-HALF DOZEN IN A BOX.

POCKET LEVELS, SIGHTS AND GAUGES.

MACHINISTS' LEVELS.



STANLEY'S, Adjustable, Nickel Plated, Iron Base, Polished Edges, V Bottom, Revolving Glass Protector, Ground Glass.

No. 34-V—Inches	**4**	**6**
W't per doz., lbs.....	6	9
Per dozen	$15.00	18.00
	JICE	**AAGJ**
No. 34-V—Inches	**8**	**10**
W't per doz., lbs.	12	18
Per dozen	$24.00	30.00
	AEFJ	**AFAJ**

ONE IN A BOX.



POCKET LEVELS.

Stanley's, Japanned Iron, Rounded Ends, Proved Glass, Length 3¼ in., W't per Doz. 1⅝ Lbs.

No. 40—Japanned top plate, per dozen .....**ABJ** $1.56

No. 41—Brass top plate, per dozen .....**ACJ** $1.68

ONE DOZEN IN A BOX.



STANLEY'S, Nickel Plated Brass, Hexagon, Spherical Ends, Proved Glass.

No. 31—Inches	2½	3	3½
W't per doz., lbs. ..	½	1	1½
Per dozen	$4.20	5.10	6.00
	BGJ	**CBJ**	**CIJ**

ONE-HALF DOZEN IN A BOX.



No. 200—Rosewood, brass top plate, two side views, 6x1x⅝ in., w't per doz. 2 lbs. .....per dozen **BJJ** $3.00

ONE DOZEN IN A BOX.

LEVEL SIGHTS.



No. 2—Stanley's, improved, length ¾ in., width 1¼ in., gun finish iron, for iron levels, w't ¼ lb., per pair .....**FJ** $0.75

Can be attached to any iron level and they afford a convenient and accurate means for leveling at a long distance.

ONE PAIR IN A BOX.



No. 1—Stanley's, improved, length 1½ in., width 2 in., gun finish iron, for wood levels, w't ¼ lb., per pair .....**FJ** $0.75

Can be attached to any wood level and afford a convenient and accurate means for leveling at a distance.

ONE PAIR IN A BOX.

LEVEL GLASSES.



STANLEY'S, Proved.

Length, in...	**1**	**1¼**	**1½**	**1¾**
W't, gro., lbs.	1½	2	3	3
Per gross ...	$9.25	9.60	9.72	9.84
	DHJ	**EJJ**	**EBJ**	**EDJ**
Length, in. ...	**2**	**2½**		**3**
W't, gro., lbs..	4½	4½		6
Per gross	$10.00	10.50		11.50
	JEFE	**JFAJ**		**JFIE**
Length, in. ...	**3½**	**4**		**Asst'd. 1¾,3,3½**
W't, gro., lbs..	6	7½		6
Per gross	$13.00	14.50		12.00
	JGEJ	**JICJ**		**JFIJ**

ONE DOZEN IN A BOX.

STRAIGHT EDGE LEVELS.



No. 10—Leonhart's, diam. 3 in., stamped from one piece of nickel plated steel, w't per doz. 1½ lbs., per dozen .....**DHJ** $8.00

A unique labor saving device, for setting door jambs, window frames, plumbing walls, leveling joists, wall plates and sleepers.

Can be attached to any piece of wood.

ONE IN A BOX.

JOINTER GAUGES.



No. 9—Perfection, cast iron, japanned, polished surface, small parts nickel plated, adjustable, for squaring to any bevel, can be attached to either wood or iron plane, w't per doz. 23 lbs., per dozen .....**ABJJ** $18.00

ONE IN A BOX.



No. 386—Stanley, all metal, nickeled finish, for use on all sizes iron pack or jointer planes to plane bevels of any angle between 30 and 90 degrees, w't per doz. 24 lbs., per doz. **AFEE** $30.00

Also used to square up edge of boards. Can be used on either side of plane for right or left hand work.

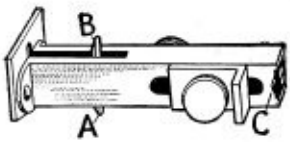
ONE IN A BOX.

STANLEY BUTT GAUGES.



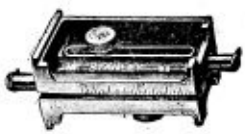
No. 95½—Stanley's, metallic, nickel plated, w't per doz. 6 lbs., per dozen .....**EDJ** $9.00

When the cutter at outer end of bar is set for gauging on edge of door, the cutter at inner end is set for gauging from back of jamb. Outer bar has a steel cutter to accurately gauge for thickness of butt.



No. 93—Steel head, brass slide, nickel plated, w't per doz. 4½ lbs., per dozen .....**JHAJ** $12.00

This gauge has two cutters on the same end of a sliding bar designed so that at one setting one cutter will mark the location of butt on the door and the other the location of butt on the casing, allowing necessary clearance. A gauge at the opposite end of the tool can be set for the thickness of butt both on casing and door.

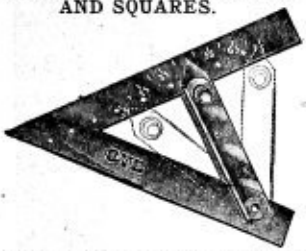


No. 95—Stanley's Improved, metallic, nickel plated, w't per doz. 8 lbs., per dozen .....**JGIJ** $12.00

Has two bars, one bar has two steel cutters fixed upon it. When cutter at outer end of this bar is set for gauging on the end of the door, cutter at inner end is set for gauging from the back of jamb. The other bar has a steel cutter to accurately gauge the thickness of the butt.

TRY AND MITRE SQUARES AND BEVELS.

COMBINED BEVELS AND SQUARES.



No. 19—10x1 in., nickel plated steel blade graduated in 8ths on one side, reverse side has scale for movable base which can be set to to any angle, w't per doz. 6 lbs., per dozen .....JGBJ $12.00

This tool combines all the advantages of a mitre and square with the added feature of having a bevel.

ONE-HALF DOZEN IN A BOX.

MITRE TRY SQUARES.



No. 15—Stanley's, 7½x1⅝ in. nickel plated steel blade marked in 8ths, 5¾ in., nickel plated iron handle, w't per doz. 8¼ lbs..per dozen GJJ $9.90

ONE-HALF DOZEN IN A BOX.



Blued Steel Blade Marked in 8ths, Polished Rosewood Handle, Brass Face Plate.

No. 20 —In...	4½	6	7½
Width blade, in....	1½	1⅝	1¾
Length handle, in...	3½	4⅝	5⅛
W't per doz., lbs...	3¼	4	6
Per dozen $2.70	3.60	4.15	
	AIJ	BDE	BFE

No. 20 —In.	9	12
Width blade, in.....	2	2¼
Length blade, in.....	6	7
W't per doz., lbs.....	7¼	9½
Per dozen $5.10	6.70	
	CDJ	DEJ

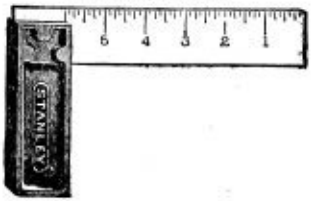
Square and true inside and out. Blade is securely fastened in handle with three rivets.

ONE-HALF DOZEN IN A BOX.

No. 26—H. S. B. & Co., 6x1¼ in., polished steel blade, marked in 8ths, 3¼ in. polished steel handle, w't per doz. 2⅝ lbs....per dozen ABJ $3.00

ONE-HALF DOZEN IN A BOX.

TRY SQUARES.

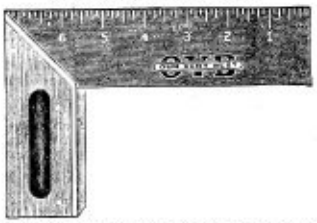


STANLEY'S Nickel Plated Steel Blade, Marked in 8ths, Nickel Plated Iron Handle.

No. 12—Inches	4	6	8
Width blade, in....	1⅛	1¼	1½
Length handle, in....	3⅛	4⅛	5⅛
W't per doz., lbs...	3	4½	8¼
Per dozen $3.40	3.95	5.00	
	BDJ	BGJ	CDJ

No. 12—Inches	10	12
Width blade, in.....	1¾	1⅞
Length handle, in.....	6⅝	8
W't per doz., lbs.....	11	16
Per dozen $6.40	7.50	
	DDE	ECJ

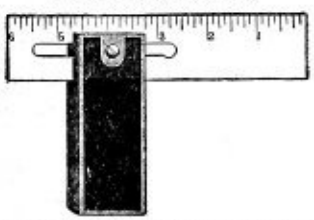
ONE-HALF DOZEN IN A BOX.



Blued Steel Blade, Marked in 8ths, Polished Rosewood Handle, Grooved.

No. 2 —In. ..	6	7½	9
Width blade	1⅜	1⅞	2
Length handle, in...	4	5	5¼
W't per doz., lbs...	4½	5	7½
Per dozen $6.00	7.20	8.40	
	CEJ	DJE	DIE

ONE-HALF DOZEN IN A BOX.



STANLEY'S Adjustable, Nickel Plated Steel Blade, Marked in 8ths, Nickel Plated Iron Handle, with Set Screw.

No. 14—Inches.....	4	6
Width blade, in.....	1⅛	1½
Length handle, in.....	2¾	3⅝
W't per doz., lbs.....	2½	4½
Per dozen $4.10	4.95	
	BIE	CEE

Handle can be moved along slot to any desired position and then held firmly in place by tightening thumb screw.

ONE-HALF DOZEN IN A BOX.

MITRE SQUARES.



STANLEY'S, Improved, Nickel Plated Steel Blade, Nickel Plated Iron Handle.

No. 16—Inches.....	8
Width blade, in.....	1⅞
Length handle, in.	4⅝
W't per doz., lbs.....	8
Per dozen $7.70	
	EIJ

ONE-HALF DOZEN IN A BOX.



No. 8—Fox's, 10x1 in., nickel plated steel blade, marked in 8ths, 5½ in. nickel plated bent steel handle, w't per doz. 5½ lbs., per dozen.....JFIJ $12.00

ONE-HALF DOZEN IN A BOX.

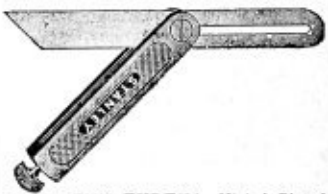
SLIDING T BEVELS.



Blued Steel Blade, Polished Rosewood Handle, Brass Tipped, Brass Screw.

No. 25 — Inches	6	8	10	12
Width blade in.	1	1	1	1
Length handle in.	4⅞	5⅞	7⅛	8½
W't doz., lbs.	2½	3½	4½	5
Per dozen...$3.95	4.30	4.65	5.00	
	BEJ	BGE	BIE	CCJ

ONE-HALF DOZEN IN A BOX.



STANLEY'S EUREKA, Nickel Plated Steel Blade, Nickel Plated Iron Handle, End Screw.

No. 18 Inches.....	6	8	10
Width blade, in.....	⅞	⅞	1
Length handle, in,.	4½	5⅛	6¼
W't per doz., lbs...	4¾	5	7
Per dozen $6.60	8.40	9.10	
	DFE	EIE	FEJ

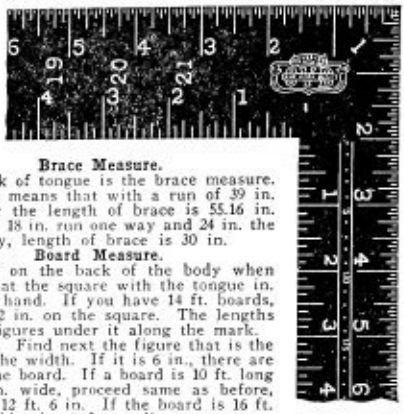
ONE-HALF DOZEN IN A BOX.

SQUARES.



Octagon "Eight Square Scale."
This scale is one the face side of the tongue and is for laying out an eight square on a square stick of timber. Suppose the timber is eight inches square. Take the eighth mark from 0 in your divider and lay off from each side of the center line on each of the four sides of the timber, work off the corners up to these lines.

Hundredth Scale.
There is one inch graduated into one hundred parts, sub-divided into twenty parts, that will be found convenient when using the brace and rafter measures, where decimal fraction occur. This is located in the corner near the brace measure.



Brace Measure.
On back of tongue is the brace measure. 39-39-55.16 means that with a run of 39 in. each way the length of brace is 55.16 in. 18-24-30 is 18 in. run one way and 24 in. the other way, length of brace is 30 in.

Board Measure.
This is on the back of the body when you look at the square with the tongue in your left hand. If you have 14 ft. boards, look at 12 in. on the square. The lengths are the figures under it along the mark.

Find 14. Find next the figure that is the same as the width. If it is 6 in., there are 7 ft. in the board. If a board is 10 ft. long and 15 in. wide, proceed same as before, and find 12 ft. 6 in. If the board is 16 ft. long, double the 8 ft. reading.

POLISHED STEEL.

No. 10—Extra, body 1 ft. x 1½ in., tongue 8x1 in., face marked in 4ths and 8ths, back in 4ths and 12ths, w't per doz. 11 lbs. .....per dozen **DDE** $9.75

No. 14—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths with board measure, w't per doz. 28 lbs. .....per dozen **JEHJ** $12.75

No. 3—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths,, back in 4ths and 12ths with board and brace measure, w't per doz. 28 lbs. .....per dozen **JFHE** $15.00

No. 1—For drafting, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths and 12ths with brace and board measure and hundredth scale, w't per doz. 28 lbs. .....per dozen **JHBJ** $18.00

No. 100—Improved, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with brace and board measure and hundredth scale, w't per doz. 28 lbs. .....per dozen **JHIJ** $19.50

No. 16—Body 16x1½ in., tongue 12x1 in., face marked in 4ths and 16ths, back in 4ths and 12ths, w't per doz. 12 lbs. .....per dozen **JEHJ** $12.75
ONE-QUARTER DOZEN IN A CRATE.

GALVANIZED STEEL.

No. 14-G—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths with board measure, w't per doz. 26 lbs. .....per dozen **JIDJ** $12.75

No. 3-G—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths with board and brace measure, w't per doz. 26 lbs. .....per dozen **AJDE** $15.00

No. 100-G—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 26 lbs., per dozen .....**ABEJ** $19.50

NICKEL PLATED STEEL.

No. 100-NP—Improved, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredth scale, w't per doz. 28 lbs. .....per dozen **ACDJ** $19.50
ONE-QUARTER DOZEN IN A BOX.

POLISHED STEEL.

No. 10—Body 1 ft. x 1½ in., tongue 8x1 in., face marked in 4ths and 8ths, back in 4ths and 12ths, w't per doz. 11 lbs., per dozen .....**DDE** $9.75

No. 14—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths, with board measure, w't per doz. 28 lbs. .....per dozen **JEHJ** $12.75

No. 3—Super, super extra, body 2 ft. x 2 in., tongue 16 or 18x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths with board and brace measure, w't per doz. 28 lbs., per dozen .....**JFHE** $15.00

No. 2—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths and 12ths, with board and brace measure, w't per doz. 28 lbs. .....per dozen **JGEE** $16.50

No. 1—For drafting, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths and 12ths with brace and board measure and hundredth scale, w't per doz. 28 lbs., per dozen .....**JHBJ** $18.00

No. 100—Improved, body 2 ft. x 2 in., tongue 16 or 18x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredth scale, w't per doz. 28 lbs. .....per dozen **JHIJ** $19.50

No. 12—Body 1½x12 in., tongue 1x8 in., marked in 4ths, 8ths, 12ths and 16ths, w't per doz. 9 lbs., per dozen **JEAJ** $11.25

No. 18—Body 1½x18 in., tongue 1x12 in., marked in 4ths, 12ths and 16ths, w't per doz. 13 lbs., per dozen **JEHJ** $12.75
ONE-QUARTER DOZEN IN A BOX.

ROYAL COPPER FINISHED.

No. 3—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths, with board and brace measure, w't per doz. 26 lbs. .....per dozen **AEBE** $30.00

No. 100—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 26 lbs., per dozen .....**AGDJ** $39.00

Royal copper finish consists of a double coating of copper electro-plated on, making a very heavy coating of copper which prevents moisture from attacking the steel.
ONE-QUARTER DOZEN IN A BOX.

ON ALL ORDERS BE PARTICULAR TO SPECIFY FINISH WANTED.

SQUARES.

BLUED STEEL.



For description of markings, see page 94.

No. 14-B —Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths, with board measure, w't per doz. 28 lbs.....per dozen **AJBJ** $12.75

No. 3-B —Super extra, body 2 ft. x 2 in., tongue 16 or 18x1½ in., face marked in 4ths and 16ths, back in 4ths, 8ths and 12ths ,with board and brace measure, w't per doz. 28 lbs. .....per dozen **AABJ** $15.00

No. 100-B —Improved, body 2 ft. x 2 in., tongue 16 in., face marked in 4ths, 8ths and 16ths, with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 28 lbs. .....**ACBJ** $19.50

ONE-QUARTER DOZEN IN A BOX.

POLISHED IRON.

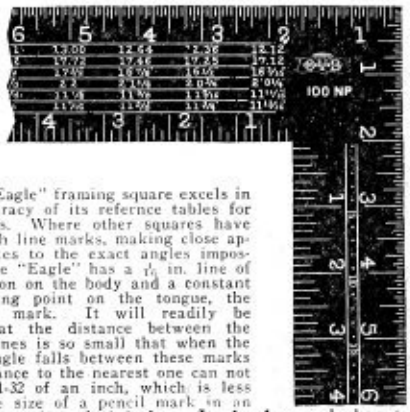
No. 21—Body 2 ft. x 1½ in., tongue 12x1 in., face marked in 4ths and 8ths, w't per doz. 12 lbs. .....per dozen **BDJ** $5.25

No. 22—Body 2 ft. x 1¾ in., tongue 12x1 in., face marked in 4ths and 8ths, back in 4ths, w't per doz. 14 lbs., per dozen .....**BGE** $6.00

No. 24—Body 2 ft x 2 in., tongue 12x1½ in., face marked in 4ths and 8ths, back in 4ths, w't per doz. 21 lbs., per dozen .....**CDJ** $7.50

ONE-HALF DOZEN IN A BOX.

RAFTER AND FRAMING.



The "Eagle" framing square excels in the accuracy of its refernce tables for side cuts. Where other squares have only inch line marks, making close approximates to the exact angles impossible, the "Eagle" has a $\frac{1}{10}$ in. line of graduation on the body and a constant or turning point on the tongue, the 12 inch mark. It will readily be seen that the distance between the $\frac{1}{10}$ in. lines is so small that when the exact angle falls between these marks the distance to the nearest one can not exceed 1-32 of an inch, which is less than the size of a pencil mark in an angular opening of 12 inches. It also has a single set of reference numbers, making it impossible to transpose or get the angle wrong by laying the square on the timber with the body and tongue on the wrong numbers, as is so easy with other squares.

Another feature to be found on the "Eagle" square, are the special marks on each an every graduation mark referred to in the tables. There is still another safe guard against mistakes by having different special marks for jack rafters and hip or valley rafters. These marks are also shown in the lettering at the end of the square connected with the directions.

Another valuable point is the fact that it is necessary to remember but one number while marking the framing on a lot of timbers, while with other squares there are two.

This square has six rows of figures with large and distinct fractions, feet and inch marks. All cuts on the various members of a roof are marked by the figures in the fifth and sixth rows in the tables. The inch lines do not run across the space occupied by the tables, the decimal point is in its proper place. It has Essex' board measure on it while other squares have not. Hundredth scale is one inch graduated into one hundred parts, sub-divided into twenty parts, that will be found convenient when using the brace and rafter measures, where decimal factions occur. This is located in the corner near the brace measure.

No. 100-F —Framing, nickel plated copper, body 24x2 in., tongue 16x1¼ or 1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight-square scale and rafter measure, back in 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 29 lbs., per dozen .....**BJAJ** $80.00

No. 100-RF —Framing squares, royal copper finish, otherwise same as No. 100-F , per doz. **BAFJ** $80.00

No. 3-F —Framing, polished steel, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with rafter measure, back in 4ths and 12ths with board and brace measure, w't per doz. 29 lbs., per dozen .....**AJJJ** $41.00

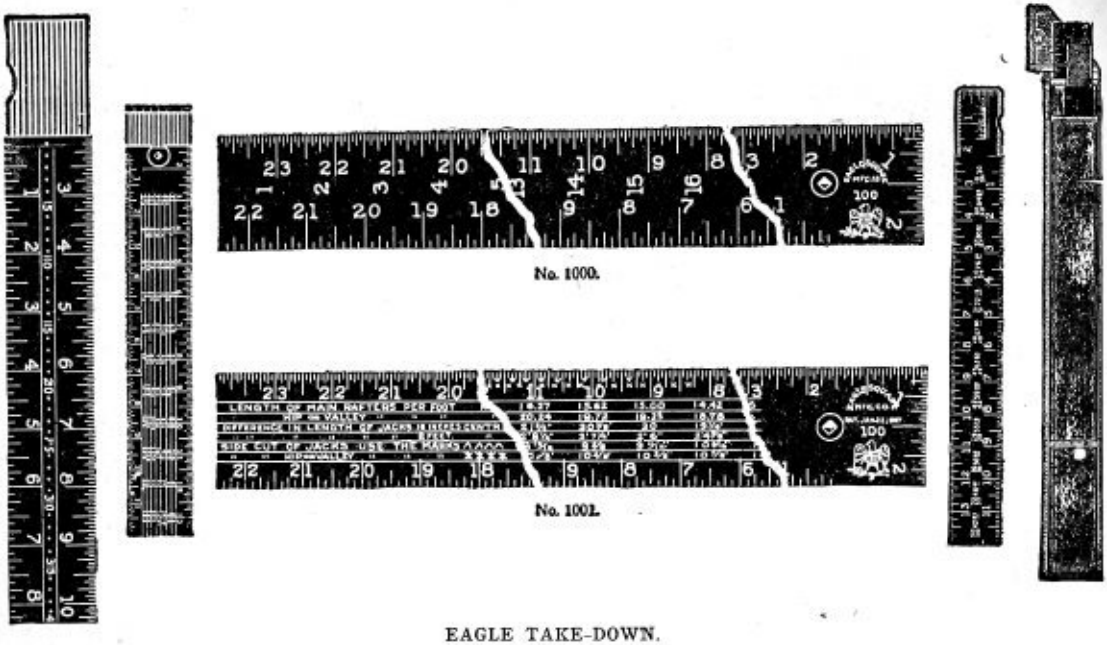
No. 100-BF —Blued framing, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale and rafter measure, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredths scale, w't per doz. 29 lbs., per doz. **AGDJ** $65.00

No. 3BF —Blued framing, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with rafter measure, back in 4ths and 12ths with board and brace measure, w't per doz. 29 lbs .....per dozen **ADDJ** $53.00

ONE-QUARTER DOZEN IN A BOX.

ON ALL ORDERS BE PARTICULAR TO SPECIFY FRAMING AND FINISH WANTED.

SQUARES.



No. 1000.

No. 1001.

EAGLE TAKE-DOWN.

The latest improved in Take-Down square. The strongest construction, the tongue is made of one solid piece, the body is also milled from the solid. The proportions of the two parts are such as to give the strongest possible joint. The cam is the only one ever offered that will firmly hold the tongue into the body. Being eccentric, it draws the two parts together. It is the only square hole locking device ever offered. The convenience and durability of this square hole, into which if the key should be lost any square tool or file shank will successfully operate, needs only to be seen to be appreciated.

No. 1000—Regular, steel, oxidized copper finish, yellow figures and markings, body 2 ft. x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight square-scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 28 lbs.....per dozen **BDJJ** $36.00

No. 1001—Framing, steel, oxidized copper finish, yellow figures and markings, body 2 ft. x2 in., tongue 16x1½ in., face marked in 4ths, 8ths, and 16ths, with octagon eight square scale, and rafter measure, back in 10ths, 12ths, and 32nds, with board and brace measure and hundredth scale, w't per doz. 30 lbs.....per dozen **BHEJ** $42.00

Only framing square made containing the board measure in addition to complete framing tables.

The two parts of the square and the key to operate the locking cam, are enclosed in a rust-proof enamel leather case.

MAIL ORDER DEPARTMENT

Our constant attention in fifty-eight years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

BOXWOOD RULES.



No. 69—1 ft., round joint, middle plates, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. ¾ lb., per dozen .....**JIJ** $1.75
ONE DOZEN IN A BOX.



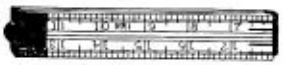
No. 65—1 ft., square joint, middle plates, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. ¾ lb., per dozen .....**AAJ** $2.00
ONE-HALF DOZEN IN A BOX.



No. 68—2 ft., round joint, middle plates, marked in 8ths and 16ths in., 1 in. wide, w't per doz. 1¼ lbs., per dozen .....**AAE** $2.50
No. 68-C—With centimeters, otherwise same as No. 68, per dozen **ADJ** $3.00
ONE DOZEN IN A BOX.



No. 62½—2 ft., square joint, full bound, marked in 8ths, 10ths, 12ths and 16ths in., ¾ in. wide, w't per doz. 2 lbs., per dozen .....**DJJ** $8.00



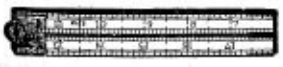
No. 61—2 ft., square joint, middle plates, marked in 8ths and 16ths in., 1 in. wide, w't per doz. 1½ lbs., per dozen .....**AEJ** $3.00



No. 63—2 ft., square joint, edge plates, marked in 8ths, 10ths 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 1½ lbs ....per dozen **BJJ** $4.00



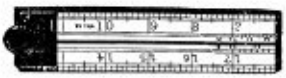
No. 84—2 ft., square joint, half bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2 lbs .....per dozen **CBE** $6.50



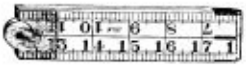
No. 62—2 ft., square joint, full bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2¼ lbs. ....pe rdozen **DJJ** $8.00
ONE-HALF DOZEN IN A BOX.



No. 72—2 ft., square joint, edge plates, marked in 8ths, 10ths and 16ths in., drafting scales, 1⅛ in. wide, w't per doz. 2 lbs. .....per dozen **BEJ** $5.00



No. 72½—2 ft., square joint, bound, marked in 8ths, 10ths and 16ths in., drafting scales, 1⅛ in. wide, w't per doz. 3 lbs. .....per dozen **DEE** $9.00



No. 07—2 ft., blindmen's, square joint, edge plates, marked in 8ths and 16ths in., 1⅛ in. wide, w't per doz. 2 lbs., per dozen .....**JEDJ** $11.00

This rule was made to meet the large demand for a rule which could be easily seen in a dim light by workmen with poor eyes. It is in fact a rule which will be appreciated by any mechanic.



No. 51—2 ft., arch joint, middle plates, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 1½ lbs. ....per dozen **AGE** $3.50



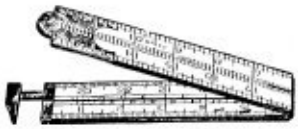
No. 53—2 ft., arch joint, edge plates, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz 1½ lbs. ....per dozen **BBE** $4.50



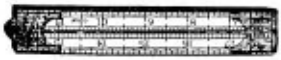
No. 52—2 ft., arch joint, half bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2 lbs. .....per dozen **CFE** $7.25



No. 54—2 ft., arch joint, bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2½ lbs. .....per dozen **DCE** $8.75
ONE-HALF DOZEN IN A BOX.



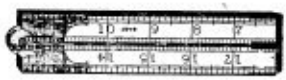
No. 83½—Stanley, 2 ft., 4 fold, 1⅛ in. wide, arch joint, edge plates, marked in 8ths, 10ths, 16ths in., drafting scales, caliper graduated in 32nds, w't per doz. 2½ lbs., per doz. **JFBE** $12.00



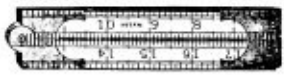
No. 60—2 ft., double arch joint, bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2½ lbs., per doz. **JECE** $10.50



No. 75—2 ft., arch joint, edge plates, marked in 8ths, 10ths and 16ths in., drafting scales, 1¼ in. wide, w't per doz 2¼ lbs. .. .per dozen **CJJ** $6.00



No. 76—2 ft., arch joint, bound, marked in 8ths, 10ths and 16ths in., drafting scales, 1⅛ in. wide, w't per doz. 3 lbs., per dozen .....**JEJE** $10.00



No. 78½—2 ft., double arch joint, bound, marked in 8ths, 10ths and 16ths in., drafting scales, 1⅛ in. wide, w't per doz. 3 lbs. ...per dozen **JFJJ** $12.00



No. 53½—2 ft., arch joint, edge plates, marked in 8ths, 10ths, 12ths and 16ths in., with inside beveled edges and architect's drafting scales, 1 in. wide, w't per doz. 1½ lbs., per dozen .. ..**DJJ** $8.00
ONE-HALF DOZEN IN A BOX.

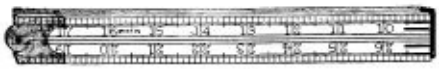
SHIP CARPENTERS' BEVELS.



No. 42—1 ft., boxwood, 2 brass tongues, brass tipped, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. 1½ lbs., per dozen .....**BJJ** $4.00
ONE DOZEN IN A BOX.

RULES.

BOXWOOD RULES.

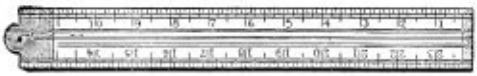


No. 66½.

No. 66½—3 ft., 4 fold, arch joint, middle plate, marked in 8ths and 16ths in., 1 in. wide, w't per doz. 2 lbs. .....per dozen **CJJ** $6.00

No. 66¼—With edge plate at joint, otherwise the same as No. 66½, w't per doz. 2 lbs. .....per dozen **CEJ** $6.00

No. 66¾—Full brass bound, otherwise same as No. 66½, w't per doz. 3½ lbs., per dozen .....**JGEE** $15.00



No. 18—2 ft., 2 fold, square joint, marked in 8ths and 16ths in., 1½ in. wide, w't per doz. 2 lbs. .....per dozen **BJJ** $4.00

BOXWOOD CALIPER.



No. 36—6 in., square joint, two fold, marked in 8ths, 10ths, 12ths and 16ths in., ⅞ in. wide, w't per doz. ¼ lb., per dozen .....**BBE** $4.50



No. 32—1 ft., arch joint, edge plates, four fold, marked in 8ths, 10ths, 12ths and 16ths in., 1 in. wide, w't per doz. 1½ lbs. .....per dozen **CDE** $7.00



No. 32½—1 ft., arch joint, full bound, four fold, marked in 8ths, 10ths, 12ths and 16ths in., 1 in. wide, w't per doz. 1¾ lbs. .....per dozen **JDIE** $10.00



No. 36½—1 ft., square joint, two fold, marked in 8ths, 10ths, 12ths and 16ths in., 1⅛ in. wide, w't per doz. 1¼ lbs., per dozen .....**CBE** $6.50

ONE-HALF DOZEN IN A BOX.

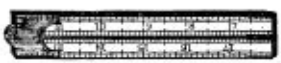
IVORY.



No. 38—6 in., square joint, German silver bound, two fold, marked in 8ths, 10ths, 12ths and 16ths in., ⅞ in. wide, w't per doz. ¾ lb., per dozen .....**ABAJ** $15.00



No. 40—1 ft., square joint, German silver bound, four fold, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. 1¼ lbs. .....per dozen **CEDJ** $44.00



No. 87—2 ft., arch joint, German silver bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 3 lbs., per dozen .....**FDEJ** $80.00

ONE-HALF DOZEN IN A BOX.

BLACKSMITHS' BRASS.



No. 17—Stanley's, 2 ft., polished spring brass, two fold, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. 2½ lbs. .....per dozen **DEJ** $6.00

ONE-HALF DOZEN IN A BOX.

COMBINATION RULES.



No. 44—Johnson's, 6 in., German silver, combines caliper rule, try square, bevel square and protractor, adjustable to any angle or bevel desired, marked in 8ths, 16ths and 32nds, w't per doz. 1½ lbs., per dozen .....**ABIE** $18.00

The center joint is so constructed that the rule remains firm in any position. The vernier reads to one-half degree and is a valuable feature in obtaining fine measurements.

DAHL'S SLIDE RULES.



Nos.	23	24
Length, ft.	3	4
W't per doz., lbs.	1¼	1½
Per dozen	$7.20	9.60
	EBJ	**FIJ**
Nos.	**25**	**26**
Length, ft.	5	6
W't per doz., lbs.	2	2½
Per dozen	$12.00	14.40
	JHFE	**AJDJ**

Made of select boxwood and trimmed with brass plated steel. The principal merit of this rule if for taking inside measurements by extending to the desired width which can be instantly read. The reverse side is marked same as a regular rule.

ONE-HALF DOZEN IN A BOX.

ZIGZAG EXTENSION.



No. 204—Stanley's, 4 ft., boxwood stained, brass joints, slides and tips, marked in 8ths and 16ths in., ⅝ in. wide, w't per doz. 2½ lbs., per dozen .....**EJE** $7.00

No. 206—Stanley's, 6 ft., otherwise same as No. 204, per doz. 3¾ lbs., per dozen .....**FGJ** $9.00

These rules have all the advantages of the regular Zigzag rules, and in addition have at one end an extension slide, by the use of which exact inside measurements may be readily obtained.

ONE-HALF DOZEN IN A BOX.

EXTENSION.



No. 604—Stanley's, 2 to 4 ft., hickory, brass extension slides and tips, brass set screw, 1 in. wide, w't per doz. 9 lbs. .....per dozen **GBJ** $8.00

No. 610—5 to 10 ft., w't per doz. 15 lbs., otherwise same as No. 604, per dozen.....**AAAJ** $12.00

RULES AND YARD STICKS.

ZIGZAG RULES.



STANLEY'S, Boxwood, Stained, Rivet Joints and Tips, Width ⅝ Inch, Graduated in Sixteenths.

Nos.	403-F	404-F	405-F	406-F
Length, ft...	3	4	5	6
W't, doz., lbs.	1½	2	2½	3
Per dozen	$3.30	4.40	5.50	6.60
	BJE	BGJ	CDJ	DAJ

STANLEY'S White Enameled, Rivet Joints and Tips, Width ⅝ Inch, Graduated in Sixteenths.

Nos.	503-F	504-F	505-F
Length, ft.	3	4	5
W't per doz., lbs.	1⅝	2	2⅝
Per dozen	$3.60	4.80	6.00
	BBE	CJJ	CEJ

Nos.	506-F	508-F
Length, ft.	6	8
W't per doz., lbs.	3½	4½
Per dozen	$7.20	9.60
	DEJ	FJJ

Nos. 1, 2, 3, etc., commence on the inside of the rule, allowing the rule to lie flat when open. The figures 12, 24, 36, etc., are made extra large.



STANLEY'S, Yellow Enameled, Concealed Joints, Brass Plated Trimmings, Width 7-16 Inch, Graduated in Sixteenths, 4 In. Fold.

Nos.	302	303	304
Length, ft.	2	3	4
Fold, in.	6	9	12
W't per doz., lbs.	¾	⅞	1¼
Per dozen	$3.70	5.50	7.30
	BEJ	CHJ	EJJ

STANLEY'S, White Enameled, Concealed Joints, Brass Plated Trimmings, Width 7-16 Inch, Graduated in Sixteenths, 4 Inch Fold.

Nos.	0602	0603	0604
Length, ft.	2	3	4
Fold, in.	6	9	12
W't per doz., lbs.	¾	⅞	1¼
Per dozen	$4.08	6.00	8.04
	BAE	CBJ	DBJ

ONE-HALF DOZEN IN A BOX.

FOLDING POCKET RULES.



No. 202—2 ft., blued steel, four fold, marked on both sides in 8ths and 16ths, ⅜ in. wide, leather case, w't per doz. 1 lb. .....per dozen **CAJ** $7.00

ONE DOZEN IN A BOX.

ZIGZAG.



VICTOR, 6 Inch Fold, Rivet Joint, Yellow Enameled.

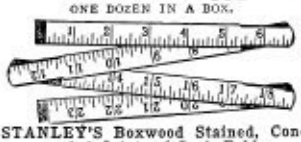
Nos.	803	804	805	806
Length, ft.	3	4	5	6
W't, doz., lbs.	1⅜	1¾	2¼	2⅞
Per dozen	$2.70	3.60	4.50	5.40
	AHJ	BDJ	CJJ	CFJ

VICTOR, 6 Inch Fold, Rivet Joint, White Enameled.

Nos.	853	854	855
Length, ft.	3	4	5
W't per doz., lbs.	1¾	1¾	2¼
Per dozen	$3.00	3.96	4.92
	BJJ	BFE	CCJ

Nos.	856	858
Length, ft.	6	8
W't per doz., lbs.	2¾	3½
Per dozen	$6.00	7.92
	CIE	ECJ

ONE DOZEN IN A BOX.



STANLEY'S Boxwood Stained, Concealed Joints, 6 Inch Fold.

Nos.	03	04	05
Length, ft.	3	4	5
W't per doz., lbs.	1½	2	2½
Per dozen	$3.30	4.40	5.50
	BBE	CJJ	CGE

Nos.	06	08
Length, ft.	6	8
W't per doz., lbs.	3	4
Per dozen	$6.60	8.80
	DEJ	FJJ

STANLEY'S, White Enameled, Concealed Joints, 6 Inch Fold.

Nos.	103	104	105
Length, ft.	3	4	5
W't per doz., lbs.	1¾	2	2⅜
Per dozen	$3.60	4.80	6.00
	BFE	CCJ	DAE

Nos.	106	108
Length, ft.	6	8
W't per doz., lbs.	3½	4½
Per dozen	$7.20	9.60
	EJE	FFJ

Made of flexible hardwood, each joint containing a stiff spring, which holds the rule rigid when open.

ONE-HALF DOZEN IN A BOX.

LUFKIN, Yellow Enameled, Concealed Joints, Marked Feet and Inches on One Side, 10th and 100ths on the Other Side.

Nos.	$514-D	$516-D
Length, ft.	4	6
W't per doz., lbs.	2	3
Per dozen	$4.00	6.00
	BAE	CCJ

4 FT., ONE DOZEN; 6 FT., ONE-HALF DOZEN IN A BOX.

PATTERN MAKERS' SHRINKAGE RULES.



STANLEY'S, Boxwood, Brass Tips, 24x1½ Inches.

No. 30⅛—Shrinkage, per ft., in.	⅛	⅛	¼
W't, doz., lbs.	2¼	2¾	2¼
Per dozen	$18.00	18.00	18.00
	JIFJ	JIFJ	JIFJ

ONE-HALF DOZEN IN A BOX.

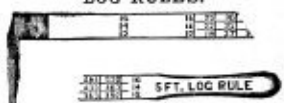
BOARD RULES.



No. 3—Diamond head, hickory, white shellaced, burnt figures, polished steel head, 3 tiers wide—12, 14, 16, and 8, 10 and 18 ft.—length 3 ft., w't per doz. 6½ lbs. .....per dozen **ACBJ** $23.00

ONE-HALF DOZEN IN A PACKAGE.

LOG RULES.



Hickory, Solid Hook, Figured 48 Inch Scale, for 12 to 24 Foot Logs, 8 Inch Handle.

No. 11—Scribner's, w't per doz. 11 lbs., per dozen .....**AEDJ** $27.00

No. 12—Doyle's w't per doz. 11½ lbs., per dozen .....**AEDJ** $27.00



LUFKIN'S, Hickory, Square Steel Head, Burnt Figures.

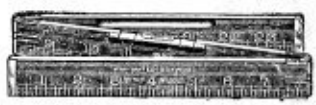
No. 15—Doyle's scale, figured 36 in., for 8 to 20 ft. logs, length 42 in., w't per doz. 8½ lbs....per dozen **ACAJ** $23.00

No. 15½—Doyle-Scribner scale, figured 36 in., for 8 to 20 ft. logs, length 42in., w't per doz. 8½ lbs., per dozen .....**ACAJ** $23.00

No. 14—Doyle scale, figured 48 in., for 12 to 24 ft. logs, length 56 in., w't per doz. 9¼ lbs....per dozen **AEDJ** $27.00

ONE-HALF DOZEN IN A PACKAGE.

LEVEL RULES.



No. 2062—2 ft., 3 fold, boxwood, brass joints, marked in 8ths, 12ths and 16ths, middle joint has level glass set in enclosed brass tube, w't per doz. 2½ lbs....per dozen **JHDJ** $18.00

ONE-HALF DOZEN IN A BOX.

YARD STICKS.



No. 41—Maple, polished, brass tipped, marked in 8ths in., width 1 in., w't per doz. 3½ lbs.....per dozen **BAJ** $3.50

No. 50—Hickory, polished, brass tipped, marked in 8ths in., width ¾ in., w't per doz. 2 lbs....per dozen **BGJ** $4.50

ONE DOZEN IN A PACKAGE.

No. 16—Maple, marked in 8ths and inches on one side and 8ths of yard on opposite side, 1⅛ in. wide, w't per doz. 3½ lbs. .....per dozen **JIJ** $2.25

No. 16-B—Brass tipped and brass eyelet on end, w't per doz. 4 lbs., otherwise same as No. 16, per dozen **ADE** $3.50

LOOSE.

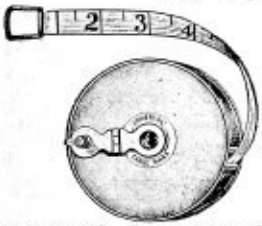
MEASURING TAPES.



RIVAL

Asses' Skin, Brass Bound, Red Enameled Case with Folding Handle, ⅜ Inch Yellow Cotton Tape.

Nos.	30		33
Length, ft.	25		50
W't per doz., lbs.	2		3½
Per dozen	$3.75		5.00
	BGJ		CFJ
Nos.	34	35	37
Length, ft.	66	75	100
W't per doz., lbs.	3¼	4½	5¼
Per dozen	$6.00	7.50	9.00
	DCJ	EDJ	FEJ



UNIVERSAL, Extra Grade, Pressed Steel Body, Brass Trim, ½ Inch Linen Corded Line, Brass Folding Handle, Brass Rings and Trimmings.

Nos.	730	733	734
Length, ft.	25	50	66
W't per doz., lbs.	3	4½	5¼
Per dozen	$5.00	8.00	9.00
	DJJ	FDJ	GBJ
Nos.	735		736
Length, ft.	75		100
W't per doz., lbs.	6		7½
Per dozen	$10.00		12.50
	JHJJ		AJJJ



LUFKIN METALLIC, Hard Leather Case, Brass Trimmings, Folding Handle, ⅝ Inch Woven Linen Tape with Metallic Warp, Marked in 12ths.

Nos.	500-L	503-L
Length, ft.	25	50
W't per doz., lbs.	6	9½
Per dozen	$21.60	31.20
	AHAE	BFBJ
Nos.	505L	506L
Length, ft.	75	100
W't per doz., lbs.	13	16
Per dozen	$39.60	50.40
	CCCJ	DBCE

Metallic Warp, ⅝ In., Marked in 10ths.

No.	503-DL
Length, ft.	50
W't per doz., lbs.	9½
Per dozen	$31.20
	BFBJ



RIVAL, Nickel Plated Steel Case, Flush Handle, ⅜ Inch Steel Tape, Marked in 12ths.

Nos.	240	243
Length, ft.	25	50
W't per doz., lbs.	3	9
Per dozen	$33.00	40.80
	BGGJ	CDBE

ONE IN A BOX.

Nos.	245	246
Length, ft.	75	100
W't per doz., lbs.	12	15
Per dozen	$54.00	69.00
	DECE	EHCJ

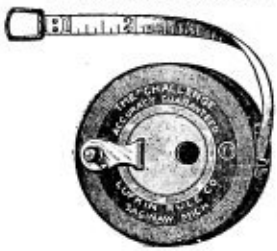
ONE-HALF DOZEN IN A BOX.



CHALLENGE JR., Hard Leather Case, Nickel Plated Trimmings, Flush Handle, ¼ Inch Steel Tape, Marked in 12ths.

No. 1260—25 ft., w't per doz. 3 lbs., per dozen ..... CJBE $36.00
No. 1263—50 ft., w't per doz. 5 lbs., per dozen ..... CECJ $42.00

ONE-HALF DOZEN IN A BOX.



LUFKIN'S CHALLENGE, Hard Leather Case, Nickel Plated Trimmings, Flush Handle, ⅜ Inch Steel Tape, Marked in 12ths.

Nos.	263	265	266
Length, ft.	50	75	100
W't, doz., lbs.	7½	11	14
Per dozen	$48.00	63.00	81.00
	DJCJ	EBIJ	FIBE

ONE-HALF DOZEN IN A BOX.



Our Lufkin Tapes have instantaneous reading as shown on above cut.



LUFKIN'S RELIABLE JUNIOR, Hard Leather Case, Nickel Plated Trimmings, Double Folding Flush Handle, Opened by Pressing Small Button on Opposite Side, ⅛ Inch Steel Tape, Marked in 12ths.

Nos.	100	103
Length, ft.	25	50
W't per doz., lbs.	3	5
Per dozen	$45.00	55.00
	CGHJ	DFBJ

LUFKIN'S RELIABLE STEEL, ⅜ In. Tapes, Marked in 12ths, and on Back with Links and Poles, Otherwise Same as Reliable Junior.

Nos.	203	205	206
Length, ft.	50	75	100
W't, per doz., lbs.	8	11½	14¼
Per dozen	$86.40	124.80	153.60
	FIAJ	JIIHJ	AAHJE

ONE IN A BOX.



Oak Tanned Bend Leather Case, ⅝ Inch Heavy Holland Tape.

Nos.	120	121
Length, ft.	50	66
W't per doz., lbs.	5	6½
Per dozen	$32.00	34.00
	AFIJ	AGIE
Nos.	122	123
Length, ft.	75	100
W't per doz., lbs.	7	9
Per dozen	$36.00	40.00
	AIJJ	BAAJ

ONE-HALF DOZEN IN A BOX.



CHESTERMAN'S METALLIC, Natural Color Leather Case, ⅝ Inch Wired Linen Tape, Marked in 10ths or 12ths.

No. 34-L—Feet	50
W't per doz., lbs.	3
Per dozen	$31.20
	BHAJ

ONE-QUARTER DOZEN IN A BOX.

POCKET TAPES, MASONS' AND CHALK LINES, ETC.

POCKET TAPES.



No. 165—Universal, 5 ft., nickel plated case, spring wind, center stop, ¼ in. painted tape, marked in inches and eighths, w't per doz. 1 lb., per dozen .....**JIJ** $1.50



No. 3143—Marvel, 3 ft., nickel plated case, spring wind with center stop, ¼ in. steel tapes marked in 16ths, w't per doz. 14 oz., per dozen .....**BDJ** $4.00

ONE DOZEN IN A DISPLAY CASE.



No. 125. No. 290.

No. 125—5 ft., leather case, silver trimmings, ¼ in. steel tape, marked in 16ths, patent spring with stop, w't per doz. 1 lb...per dozen **ABIE** $18.00

The cases for No. 125 tapes are made with metal lined leather of the very best quality and in attractive assorted colors. They are spring wind, with center stop, and all trimmings are silver plated. Each tape is put up in a handsome embossed paper box, with jewelers' cotton.

No. 290—5 ft., nickel plated steel case, patent spring with stop, ¼ in. steel tape, with centimeters and inches, w't per doz. 1½ lbs., per dozen .....**JIJJ** $15.00

No. 125, ONE IN A BOX; ONE-HALF DOZEN IN A CARTON; **No. 290**, ONE IN A BOX.

POCKET TAPES.



No. 3145—Nickel plated case, ¼ in. 5 ft. steel tape marked in 16ths, spring wind with center stop, w't per doz. 1 lb. .....per dozen **DHJ** $6.00

No. 3146—6 ft. steel tapes, otherwise same as **No. 3145**, w't per doz. 1 lb., per dozen.....**EGJ** $7.00

ONE-HALF DOZEN IN A BOX.



No. 25. No. 143.

No. 25—5 ft., nickel plated case, patent spring with stop, ½ in. linen tape, w't per doz. 1 lb....per dozen **DAJ** $6.50

No. 26—6 ft., otherwise same as **No. 25**, per dozen .....**DEJ** $8.00

No. 143—3 ft., nickel plated brass case, ¾ in. steel tape, marked in 16ths, spring wind with center stop, w't per doz. 1 lb.....per dozen **EAJ** $8.00

ONE-HALF DOZEN IN A BOX.

CARPENTERS' CHALK.



No. 77—Package contains 3 cakes of blue and 1 cake of white to retail at 5 cents per package, w't per case 50 lbs..per gross packages **EDJ** $9.00

ONE GROSS PACKAGES IN A CASE.

CARPENTERS' CHALK.



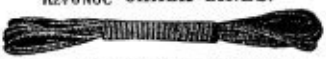
No. 5 REVONOC—White, hemispherical, per box .....**JFJ** $1.20

No. 3 REVONOC—Red, hemispherical, per box .....**JHE** $1.70

No. 4 REVONOC—Blue, hemispherical, per box .....**JHE** $1.70

ONE-HALF GROSS IN A BOX. W'T 6 LBS. PER BOX.

REVONOC CHALK LINES.



No. 14



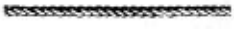
No. 13



No. 12



No. 11½



No. 11

Twisted, White Cotton, in 20 Foot Hanks.

Nos.	14	13	12
Per dozen	$0.33	.45	.76
	AE	BJ	CJ
Nos.		11½	11
Per dozen		$0.86	1.05
		CF	JDB

ONE DOZEN IN A BUNDLE.
ONE-HALF GROSS IN A BOX.





No. 1
No. 2
No. 3
No. 4

Twisted, White Cotton, in 50 Foot Balls.

Nos.	1	2	3	4
Per dozen	$0.80	.90	1.00	1.20
	CF	DB	JDH	JED

Twisted, White Cotton, in 100 Foot Balls.

Nos.	2	3	4
Per dozen	$1.80	2.00	2.40
	JGB	JHD	JIF

ONE DOZEN BALLS IN A BOX.





No. 1



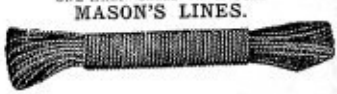
No. 2

Braided, White Cotton, in 20 Foot Hanks.

Nos.	1	2
Per dozen	$0.90	.95
	CJ	CF

ONE-HALF GROSS IN A BOX.

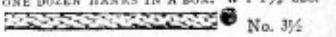
MASON'S LINES.





No. 21 REVONOC—Hard laid, yellow cotton, 100 ft. in hank, per dozen .....**AJJ** $3.25

ONE DOZEN HANKS IN A BOX. W'T 1½ LBS.



No. 3½



No. 4



No. 4½

Sampson Braided, White Cotton, in 48 Foot Hanks.

Nos.	3½	4	4½
Per dozen	$3.00	4.00	5.00
	AEE	BAJ	BGJ

ONE DOZEN IN A BOX.

PLUMB BOBS, CHALK LINE REELS AND AWLS.

PLUMB BOBS.



Turned from Solid Steel Bars on Finely Adjusted Automatic Screw Machines, Making Them Perfectly Accurate and True in Every Respect. Hardened Points, Finely Nickel Plated Over a Coat of Electro-plated Copper.

Nos.	6	8	10
Length, in.	2 7/16	3¼	4
W't, oz.	5	10	18
Per dozen	$6.00	10.00	12.00
	CFJ	JEIJ	JFIJ

ONE IN A WOOD BOX, WITH SCREW TOP.



Hexagon Tool Steel, Brass Screw, Full Polished.

Nos.	26	28	22
Length, in.	3½	4	5
W't, oz.	6	8	12
Per dozen	$3.00	5.00	6.50
	BDJ	BHJ	DGE

PLUMB BOBS.



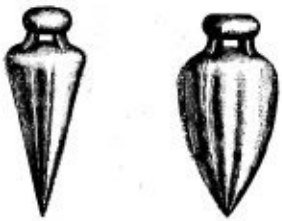
No. 1. No. 5.

No. 1—Cruso, 2¼ in., iron, japanned, w't 8½ oz. .....per dozen **JHE** $1.25

No. 1½—Cruso, 4½ in., iron, japanned, w't 1½ lbs. .....per dozen **AIJ** $3.00

No. 5—Cruso, 4½ in., iron, japanned, 2¾ lbs. .....per dozen **BAE** $3.50

NO. 1, ONE DOZEN; NOS. 1½ AND 5, ONE-HALF DOZEN IN A BOX.



No. 11. No. 12.

Soft Gray Iron, Nickel Plated, Highly Finished.

No. 11—Cruso, length 3 in., w't 4½ oz., per dozen .....**ADE** $2.00

No. 12—Cruso, length 3½ in., w't 13½ oz., per dozen .....**AHJ** $2.50

Sharp points give correct alignment.

ONE DOZEN IN A BOX.

PLUMB BOBS.



No. 2—3 in., brass, steel point, w't 6½ oz. .....per dozen **CFJ** $6.00

No. 3—3 in., brass, steel point, w't 12 oz., per dozen .....**EDJ** $8.00

ONE-HALF DOZEN IN A BOX.

CHALK LINE REELS.



No. 10—Beechwood, length 3 in., diam. 2 in., w't per doz. 1 lb., per dozen .....**CB** $0.60

No. 199—Beechwood, length 3¼ in., diam 2½ in., w't per doz. 2¼ lbs., per dozen .....**JDH** $1.60

THREE DOZEN IN A BOX.



No. 12—Beechwood, length 3 in., diam. 2 in., with steel scratch awl, w't per doz. 1¼ lbs.....per dozen **JHE** $1.50

ONE DOZEN IN A BOX.

PEG AWLS.



No. 6—Patent, extra cast steel, assorted, per gross .....**EE** $0.90

ONE GROSS IN A BOX.

HARNESS AWLS.



No. 2—Patent, extra cast steel, assorted, per gross .....**AJJ** $2.25

ONE GROSS IN A BOX.



No. 1—Common, extra cast steel, assorted .....per gross **ABJ** $2.50

ONE-HALF GROSS IN A BOX.

TOOL HANDLES AND AWLS.

HANDLED BRAD AWLS.



Nos. 1 to 4—Tool steel spring tempered blades, polished and stained handle, nickel plated ferrule, sizes 2-32, 3-32 and 4-32 in., assorted,
per dozen .....**AJJ** $1.50
Blades are securely fastened in handle.
ONE DOZEN IN A BOX.



No. 4—Cast steel, polished handle, brass ferrule, assorted sizes,
per dozen .....**DJ** $0.50
IN BULK.

SCRATCH AWLS.



No. 2—Beech handles, brass ferrule, polished steel point, length 6½ in., per dozen .....**DJ** $0.80
ONE DOZEN IN A BOX.



No. 100—Enameled handle, brass ferrule, No. 9 steel wire point, length 5¾ in., per dozen .....**JHJ** $1.30
No. 200—Enameled handle, brass ferrule, No. 6 steel wire point, length 6½ in., per dozen .....**JHE** $1.50



No. 1—Beech handle, socket forged steel point, 6½ in.,
per dozen .....**ACJ** $2.25



Nos. 10 to 20—Ebonized handle, finely tempered polished steel blade, nickel plated ferrule, length 7½ in., per dozen .....**AEE** $3.00



No. 20—Hurwood, ebonized handle, polished steel ferrule, cast steel tempered point running through handle and headed, length 5½ in.,
per dozen .....**BJE** $3.50
ONE DOZEN IN A BOX.

SEWING AWLS.



No. 4—Patent, extra cast steel, assorted, per gross .....**AJJ** $2.25
ONE GROSS IN A BOX.



No. 3—Common, extra cast steel, assorted .....per gross **AJJ** $2.50
ONE-HALF GROSS IN A BOX.

SEWING AWL HAFTS.



No. 10—Common, hickory, brass ferrule, per dozen .....**CJ** $0.55
ONE DOZEN IN A BOX.



No. 6½—Patent, applewood, with screw, nut and wrench, per dozen **JFJ** $1.00
ONE DOZEN IN A BOX.

TOOL HANDLES WITH TOOLS.



No. 60—Cocobolo handles, length 7 in., nickel plated thumb nut, 9 cast steel tools contained in handle—1 gouge bit, 1 gouge, 1 saw, 2 chisels, 1 screw driver, 1 gimlet bit, 2 awls—w't per doz. 8½ lbs.,
per dozen .....**AJBJ** $20.00
ONE-HALF DOZEN IN A BOX.



No. 44—Cocobolo handle, length 4¾ in., nickel plated cap, 12 tool steel tools—1 chisel, 1 screw driver, 1 reamer, 1 tack puller, 1 pegging awl, 1 marking awl, 6 brad awls—w't per doz. 3 lbs., per dozen .....**JEIJ** $12.00
ONE-HALF DOZEN IN A BOX.

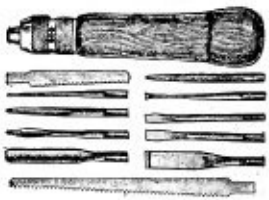


No. 50—Cocobolo handle, length 6 in., nickel plated thumb nut, 10 cast steel tools contained in handle—1 gouge, 1 chisel, 1 tack puller, 1 screw driver, 5 awls—w't per doz. 4½ lbs., per dozen .....**DHJ** $9.00
No. 40—Maple handle, w't per doz. 4 lbs., otherwise same as No. 50 .....per dozen **CJJ** $6.00
ONE-HALF DOZEN IN A BOX.

TOOL HANDLES WITH TOOLS.



No. 1—Cocobolo handle, length 6 in., nickel plated chuck, holds square, flat or triangular shanks, 10 cast steel tools contained in handle—2 chisels, 2 screw drivers, 1 reamer, 1 gouge, 1 gimlet bit, 3 awls and 1 7 in. keyhole saw blade—w't per doz. 8 lbs. .....per dozen **AJHJ** $18.00
ONE IN A BOX.



No. 2—Cocobolo handle, length 7 in., nickel plated chuck, holds square, flat or triangular shanks, 10 cast steel tools contained in handle—1 saw, 1 gouge, 1 three-cornered file, 2 screw drivers, 2 awls, 1 gimlet bit, 1 reamer, 1 chisel and 1 extra 7 in. keyhole saw blade—w't per doz. 12 lbs.
per dozen .....**AFCJ** $27.00
ONE IN A BOX.



No. 10—Nickel plated knurled steel handle, length 6 in., with case hardened four jaw chuck, which holds round or square shank drills, 1/8 to 7/8 in. diam., 10 tools contained in handle—2 chisels, 2 screw drivers, 1 reamer, 1 gouge, 1 gimlet bit and 3 awls—w't per doz. 8 lbs., per dozen .....**AJHJ** $21.00

No. 15—Nickel plated knurled steel handle, length 4¼ in., case hardened four jaw split chuck which holds round or square shank drills 1/8 to 1/4 in. diam., 12 steel tools contained in handle—1 chisel, 1 screw driver, 1 reamer, 1 tack claw, 1 pegging awl, 1 marking awl and 6 brad awls—w't per doz. 4 lbs., per dozen **JGHJ** $15.00
ONE IN A BOX.

HAFTS AND HANDLES.

BRAD AWL HAFTS.



No. 3—Hickory, brass ferrule, per dozen ..... **CJ** $0.45

IN BULK.

PEG AWL HAFTS.



No. 11—Common, hickory, brass ferrule, per dozen ..... **CJ** $0.50

THREE DOZEN IN A BOX.



No. 5—Patent, hickory, plain top, with screw, nut and wrench, per dozen ..... **EE** $0.90

ONE DOZEN IN A BOX.



No. 6—Patent, hickory, leather top, with screw, nut and wrench, per dozen ..... **JFJ** $1.00

ONE DOZEN IN A BOX.



STANLEY'S.

No. X6—Selected hickory, specially finished, leather top, fitted with a 4 jaw chuck and knurled locking nut, w't per doz. 2¾ lbs., per dozen **AGJ** 3.00

Fitted with a machined and tempered four jaw clutch and knurled locking nut. A wrench is furnished with each tool for securing rigidity in chuck. End of haft is neatly leathered.

ONE DOZEN IN A BOX.

SOCKET FIRMER CHISEL HANDLES.



No. 22—Hickory, iron ring, assorted, w't per doz. 2 lbs. ....per dozen **DJ** $0.70

No. 22½—All large, w't per doz. 2½ lbs., otherwise same as No. 22, per dozen $0.80

ONE DOZEN IN A BOX.



No. 125 RWYAOC—Hickory, leather head, polished, assorted, w't per doz. 1½ lbs., per dozen ..... **JEJ** $1.00

No. 125½ RWYAOC—Hickory, leather head, polished, all large, w't per doz. 2¼ lbs., per dozen ..... **JEE** $1.25

ONE DOZEN IN A BOX.

CHISEL HANDLES.



Socket Firmer.

No. 20—Hickory, small, assorted, w't per doz. 1½ lbs.....per dozen **BE** $0.40

No. 21—Hickory, large, assorted, w't per doz. 2 lbs. .....per dozen **CJ** $0.50

No. 25—Applewood, assorted, w't per doz. 1¼ lbs. .....per dozen **CJ** $0.50



Socket Firmer Butt.

No. 135—Hickory, leather head, polished, assorted, w't per doz. 1¼ lbs., per dozen .....**JFJ** $1.25



Socket Framing.

No. 30—Hickory, iron ring, assorted, w't per doz. 2½ lbs...per dozen **JCE** $1.00

No. 31—Hickory, heavy, iron ring, for 1½ to 2 in. chisels, w't per doz. 3¼ lbs., per dozen .....**JFJ** $1.50



Socket Framing.

No. 130 RWYAOC—Hickory, leather head, polished, assorted, w't per doz. 1½ lbs., per dozen .....**JEE** $1.10

TANGED CHISEL HANDLES.



No. 150 RWYAOC—Hickory, polished, leather head, heavy brass ferrule, assorted, w't per doz. 2 lbs., per dozen .....**JGJ** $1.75

No. 150½ RWYAOC—All large, w't per doz. 2¼ lbs., otherwise same as No. 150, per dozen .....**JHJ** $2.00



No. 211—Hickory, brass ferrule, iron ring, w't per doz. 2¼ lbs., per dozen .....**DJ** $0.75

No. 211½—All large, w't per doz. 2¼ lbs., otherwise same as No. 211, per dozen .....**EJ** $0.85



No. 140—Butt, hickory, polished, leather head, assorted, w't pe rdoz. 1½ lbs., per dozen .....**JIE** $1.50



No. 10—Hickory, brass ferrule, assorted, w't per doz. 2 lbs., per dozen **CE** $0.55

No. 11—Hickory, brass ferrule, large, w't per doz. 3 lbs., per dozen **CE** $0.60



No. 145—Applewood, for No. 130 [illegible] chisels, w't per doz. 2¼ lbs., per dozen .....**ABJ** $2.00

ONE DOZEN IN A BOX.

FIBRE CHISEL AND FILE HANDLES.



Nos. 301 to 404.



Nos. 202 to 205.

Made from the Best Fibre Stock Obtainable, Peculiarly Pleasant to the Grip. The Chisel Handles Take All of the Shock Out of the Blow and Can Be Used Down to a Stub.

SOCKET CHISEL HANDLES.

Nos.	301	302	303	304	305	306
Length, in.	4½	4¾	4⅝	5¼	5¼	5½
Diameter, in.	⅞	1	1⅛	1¼	1¾	1½
For chisels, in.	¼to¼	⅜to⅝	¾to1	1⅛to1⅛	1½to1¾	1¾to2
W't per doz., lbs.	1½	2	2½	3	3½	4
Per dozen	$1.80	2.00	2.20	2.35	2.55	2.70
	JHJ	JHE	JIE	AJJ	AAJ	ABJ

SOCKET BUTT CHISEL HANDLES.

Nos.	401	402	403	404
Length, in.	4	4½	4½	4½
Diam., in.	1¼	1⅜	1⅜	1½
For Chisels, in.	1	1⅛to1¼	1¼to1⅛	1½to2
W't per doz., lbs.	1½	2	2½	3
Per dozen	$2.17	2.25	2.35	2.35
	JIC	JIE	AJJ	AJJ

FILE HANDLES.

Nos.	202	203	204	205
Length, in.	3½	4	4½	5
Diam., in.	⅞	1	1⅛	1¼
For Files, in.	6to8	9to10	11to12	13to14
W't per doz., lbs.	1	1½	2	2½
Per dozen	$1.00	1.20	1.35	1.50
	JEJ	JFJ	JGJ	JHE

ALL OF ABOVE ONE DOZEN IN A BOX.

FILE, AUGER, PLANE AND SAW HANDLES.

FILE HANDLES.



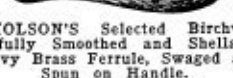
No. 46—Soft wood, brass ferrule, assorted .....per dozen **AD** $0.25
No. 47—Soft wood, brass ferrule, all large .....per dozen **AH** $0.30
IN BULK. AVERAGE W'T 1¼ LBS. PER DOZ.



No. 45—Lockjaw, beechwood, brass ferrule, assorted, w't per doz. 1½ lbs., per dozen .....**CJ** $0.75
THREE DOZEN IN A BOX.



No. 48—Malleable iron, tinned, adjustable clamp, securely holds files of all sizes, brad awls, etc., w't per doz. 4½ lbs. .....per dozen **ABJ** $2.55
ONE DOZEN IN A HINGED COUNTER DISPLAY BOX.



NICHOLSON'S Selected Birchwood, Carefully Smoothed and Shellaced, Heavy Brass Ferrule, Swaged and Spun on Handle.

Nos.	0	1	2
For files, in.	14	12	10
W't per doz., lbs.	2½	2	1½
Per dozen	$1.60	1.90	1.40
	JFJ	JEH	JED
Nos.		3	4
For files, in.		8	6
W't per doz., lbs.		1	¾
Per dozen		$1.30	1.20
		JEJ	JDG

Will not split with ordinary use.
ONE DOZEN IN A BOX.

BRICK TROWEL HANDLES.



Adapted to Trowels with Drive Tang. Rose's, soft wood, steel ferrule, per dozen .....**ADE** $2.40
IN BULK. AVERAGE W'T 2 LBS. PER DOZEN.

SCREW DRIVER HANDLES.



No. 1—Polished, brass ferrule, assorted, per dozen .....**FJ** $0.80
No. 2—Polished, brass ferrule, all large, per dozen .....**JGJ** $1.00
ONE DOZEN IN A BOX. AVERAGE W'T 2 LBS. PER DOZEN.

PLANE HANDLES.



No. 48 No. 49.

No. 48—Beech, plain, for jack planes, w't per doz. 3 lbs.....per dozen **EJ** $0.85
No. 49—Beech, plain, for fore or jointer planes, w't per doz. 4 lbs., per dozen .....**JHE** $1.20



No. 51. No. 52.

No. 51—Beech, varnished, for Nos. 26, 27, 28, 29, 30, 31, 32, 33 and 34 Bailey's wood planes, w't per doz. 1½ lbs., per dozen .....**AAE** $2.00
No. 52—Rosewood, varnished, for Nos. 4½, 5, 5½, 6, 7 and 8 Bailey's flat and corrugated iron planes, w't per doz. 1½ lbs. .....per dozen **BCJ** $4.00
ONE DOZEN IN A PACKAGE.

AUGER HANDLES.



No. 20—Peck's, adjustable, hardwood, polished, length 18 in., w't per doz. 12 lbs. .....per dozen **BFE** $4.00
ONE-HALF DOZEN IN A PACKAGE.



No. 3—Rogers', adjustable, malleable iron, japanned, hickory handles, riveted, length 16 in., w't per doz. 17 lbs., per dozen .....**EGE** $8.00
ONE-QUARTER DOZEN IN A BOX.



Ratchet.
No. 4—Pratt's, white hickory handles, nickel plated nut, chuck and ratchet, japanned head, length 16 in., w't per doz. 36 lbs.....per dozen **BCBE** $24.00
ONE IN A BOX.

AUGER HANDLES.



No. 1—Common, hickory, assorted, length 13 to 15½ in., w't per doz. 6½ lbs. .....per dozen **DJ** $0.70
No. 10—Common, hickory, all large, length 16 in., w't per doz. 9¾ lbs., per dozen .....**EJ** $0.80

SAW HANDLES.



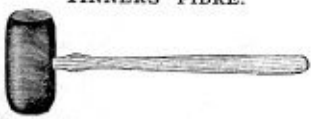
No. 04—Panel, beech, varnished edges, w't per doz. 4 lbs., per doz. **ABJ** $1.50
No. 03—Hand, beech, plain edges, w't per doz. 6 lbs., per dozen **ACJ** $1.50
No. 2—Hand, beech, varnished edges, w't per doz. 6 lbs., per doz. **ADE** $1.75
ONE DOZEN IN A BOX.



No. 4½—Panel, applewood, varnished edges, for No. D8-18 and 20 in. saws, w't per doz. 5 lbs., per doz **BIE** $4.90
No. 9—Panel, applewood, varnished and highly polished, for Nos. 12 and 112-18 and 20 in. saws, w't per doz. 5 lbs. .....per dozen **EJJ** $8.25
No. 4¼—Panel, applewood, varnished edges, for No. D8-22 in. panel saws, w't per doz. 4¼ lbs., per dozen .....**BIE** $4.90
No. 20—Hand, applewood, for No. 82-26 in. 8 9 10 hand saws, w't per doz. 5 lbs. .....per dozen **DEJ** $7.50
No. 21—Rip, applewood, for No. 82-28 in. 8 9 10 rip saws, w't per doz. 5½ lbs. .....per dozen **EFJ** $9.30
No. 22—Panel, applewood, for No. 82-18 to 20 in. 8 9 10 panel saws, w't per doz. 3¼ lbs. ....per dozen **DAJ** $6.80
No. 23—Panel, applewood, for No. 82-22 and 24 in. 8 9 10 panel saws, w't per doz. 3¼ lbs., per dozen .....**DAJ** $6.80
No. 05—Hand, applewood, varnished, edges, for Disston's No. D8 hand, w't per doz. 5¼ lbs., per dozen **CFJ** $6.00
No. 7—Hand, applewood, carved, varnished and highly polished, for Disston's No. 12 hand, w't per doz. 6½ lbs., per dozen .....**JFJJ** $10.00
No. 06—Rip, applewood, varnished edges, for Disston's No. D8 rip, w't per doz. 5½ lbs. .....per dozen **CHE** $6.40
No. 08—Rip, applewood, carved, varnished and highly polished, for Disston's No. 12 rip, w't per doz. 6¼ lbs., per dozen .....**JGCJ** $10.50
No. 043—For No. 43 paragon pruning saws, beech, polished, w't per doz. 4 lbs. .....per dozen **ADE** $6.00
No. 044—For No. 44 8 9 10 pruning saws, beech, polished, w't per doz. 3½ lbs. .....per dozen **ADE** $6.00
ONE DOZEN IN A BOX.

MALLETS.

TINNERS' FIBRE.



Made of the Best Fibre Stock Obtainable, Wound in Successive Layers with a Film of Waterproof Cement Between Each Layer. Handle is of Polished White Hickory and the Mallets have a Coat of Good Shellac.

Size in.	2x4	2½x4½	3x5
W't oz.	8	16	24
Per dozen	$6.60	7.20	9.00
	CDJ	CGJ	DEE

TINNERS'.



Select Second Growth Hickory, Mortised Hardwood Handle, Nicely Finished.

No. 60 —6x2¼ in., w't per doz. 11 lbs. .....per dozen **BAE** $4.00

No. 61 —6x2½ in., w't per doz. 14 lbs. .....per dozen **BBE** $4.50

Second Growth Hickory, Mortised Hardwood Handle.

No. 70 —6x2¼ in., w't per doz. 10 lbs. .....per dozen **ACJ** $3.00

No. 71 —6x2½ in., w't per doz. 13 lbs. .....per dozen **AEJ** $3.50

CARPENTERS'



Select Second Growth Hickory, Mortised Handle, Nicely Finished.

No. 62 —6x2¼ in. face, 3 in. center, w't per doz. 18 lbs., per dozen .....**CAJ** $5.50

No. 63 —6½x3 in. face, 3½ in. center, w't per doz. 28 lbs., per dozen .....**CFJ** $6.50

Second Growth Hickory, Mortised Hardwood Handle.

No. 72 —6x2½ in., 3 in. center, w't per doz. 17 lbs., per dozen .....**AHJ** $4.50

No. 73 —6x3 in., 3½ in. center, w't per doz. 24 lbs., per dozen .....**BDJ** $5.50

TINNERS'.



No. 20—Cruso, hardwood, 5x2 to 2½ in., w't per doz. 10 lbs., per dozen .....**JIJ** $1.30



Carpenters'.

No. 25—Cruso, hardwood, 6x2¼ to 2½ in., w't per doz. 14 lbs., per dozen .....**ABJ** $2.00

No. 25½—Hardwood, 6x3 in., w't per doz. 15 lbs. .....per dozen **AEJ** $2.50



Rawhide Head, Nicely Varnished, Hickory Handle.

No. 2—3x1½ in., w't per doz. 4 lbs., per dozen .....**JEDJ** $10.80

No. 3—3¼x1¾ in., w't per doz., 5½ lbs., per dozen .....**JFBE** $12.50

No. 4—3¼x2 in., w't per doz. 7½ lbs., per dozen .....**JHJJ** $16.00

No. 5—4½x2¾ in., w't per doz. 16 lbs., per dozen .....**AGFE** $35.50



No. 50—Iron, wood faced, mortised, 4½x2 in., w't per doz. 31 lbs., per dozen .....**DFJ** $6.00

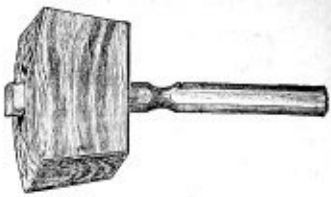
CARPENTERS' ROUND.



No. 30—Hardwood, 6x3½ in., w't per doz. 18 lbs. .....per dozen **BDJ** $3.30

No. 35—Lignumvitae, 5½x3¼ in., w't per doz. 28 lbs...per dozen **CHE** $5.50

No. 36—Lignumvitae, 6x3½ in., w't per doz. 44 lbs. ....per dozen **DHJ** $7.00



Carpenters', Square.

No. 40—Hickory, 6¼x2¾x3¾ in., w't per doz. 21 lbs., per dozen **BDJ** $3.30

No. 45—Lignumvitae, 6x2¾x3¼ in., w't per doz. 32 lbs., per dozen **DEE** $6.50

No. 46—Lignumvitae, 6½x3¼x3½ in., w't per doz. 40 lbs...per dozen **EEJ** $8.00



Hard Rubber, Hickory Handle.

No. 6—3x2 in., w't per doz. 12¾ lbs., per dozen .....**JFJJ** $10.00

No. 7—4x2¼ in., w't per doz. 15 lbs., per dozen .....**JHFE** $15.00

No. 8—5x2½ in., w't per doz. 29 lbs., per dozen .....**AJHJ** $18.00



No. 51—Heavy malleable iron socket, hickory ends, 5¾x2¾ in., w't per doz. 44 lbs. .....per dozen **JHDJ** $10.00



Iron Bound.

No. 52—Hickory, 5½x3 in., w't per doz. 23 lbs. .....per dozen **DEJ** $5.50

No. 53—Hickory, 6x3½ in., w't per doz. 34 lbs. .....per dozen **FBJ** $7.50



Fibre Head, Polished Steel Ferrules, Screw Handle.

No. 12—Beech, 4¼x2 in., w't per doz. 15 lbs. .....per dozen **FCJ** $9.50

No. 12½—Beech 5¼x2½ in., w't per doz. 21 lbs. .....per dozen **JGBJ** $11.00

PRICE LIST OF FILES AND RASPS.

REVONOC, NICHOLSON, DISSTON AND AMERICAN.

Adopted Nov. 1, 1899.

List Per Dozen.

Mill and Round. Flat.

In.	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	$3.00	$3.50	$3.90	$3.70	$4.30	$4.70
5	3.20	3.80	4.10	3.90	4.60	4.90
6	3.50	4.00	4.50	4.30	4.80	5.30
7	3.90	4.60	4.90	4.80	5.50	6.10
8	4.30	4.90	5.40	5.30	6.10	6.60
9	4.90	5.80	6.30	6.30	7.20	7.90
10	5.60	6.40	7.00	7.00	8.10	8.70
11	6.70	7.80	8.50	8.60	9.80	10.70
12	7.50	8.60	9.40	9.70	11.00	12.10
13	9.40	10.90	11.70	11.80	13.60	14.70
14	10.70	12.20	13.10	13.30	15.30	16.70
15	13.10	15.00	16.10	16.00	18.30	20.00
16	14.70	16.80	17.90	17.80	20.10	22.30
17	18.20	20.20	21.70	21.50	24.20	26.50
18	20.20	22.70	24.30	23.90	26.80	29.20
19	24.60	27.50	29.40	28.40	31.60	34.60
20	27.40	30.70	32.90	31.50	35.30	38.30

Mill Blunt, Double Cut, adv. 2 in.
Mill Double Cut, adv. 1 in.
Mill Narrow Point, adv. 1 in.
Mill Machine, adv. 1 in.
Mill Triangular and Square, adv. 1 in.
Farmers' Own, adv. on Bastard 1 in.

Cant (Blunt) Double Cut, adv. 2 in.

Square. Hand and Pillar.

In.	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	$3.80	$4.60	$4.90	$3.70	$4.30	$4.80
5	4.10	4.80	5.30	3.90	4.70	5.30
6	4.60	5.10	5.50	4.30	5.10	5.60
7	5.10	5.80	6.30	4.90	5.80	6.30
8	5.50	6.30	7.00	5.40	6.30	6.70
9	6.60	7.70	8.30	6.70	7.80	8.30
10	7.40	8.50	9.10	7.50	8.70	9.40
11	9.10	10.40	11.30	9.40	10.90	11.80
12	10.20	11.50	12.80	10.70	12.30	13.50
13	12.50	14.30	15.40	13.30	15.20	16.20
14	13.90	16.10	17.50	15.00	17.00	18.20
15	16.90	19.20	20.90	17.90	20.60	21.70
16	18.70	21.20	23.30	20.10	22.80	24.20
17	22.50	25.40	27.50	24.20	27.10	28.60
18	25.10	28.20	30.40	26.80	29.90	31.50
19	29.70	33.20	35.70	31.90	35.40	37.60
20	32.80	36.70	39.30	35.10	39.20	41.60

Square Blunt, adv. 2 in.

Slotting (Blunt) adv. 2 in.
Cotter Blunt or Taper, adv. 2 in.
Reaper, advance 1 in. on 2d Cut.

Hlf.Rd.&ThreeSq. Warding.

In.	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	$4.80	$5.60	$6.10	$4.00	$4.80	$5.40
5	5.40	6.10	6.40	4.50	5.30	5.80
6	6.10	6.70	7.10	4.90	5.90	6.40
7	7.00	7.70	8.20	5.90	6.90	7.50
8	7.50	8.30	8.90	6.40	7.50	8.20
9	8.50	9.40	9.90	7.80	9.00	9.90
10	9.10	10.10	10.70	8.70	10.10	11.00
11	10.70	11.80	12.70	10.90	12.70	13.70
12	11.80	13.00	13.90	12.30	14.30	15.40
13	14.10	15.40	16.60	15.20	17.40	18.70
14	15.50	17.00	18.30	17.00	19.40	21.00
15	18.50	20.40	21.70			
16	20.60	22.50	24.20			
17	24.70	27.00	28.90			
18	27.50	29.90	32.40			
19	32.80	35.70	38.10			
20	36.20	39.40	42.30			

Ginsaw, take Bastard price.
Crossing, adv. 2 in.
Tumbler, adv. 2 in.
Feather Edge (Blunt) adv. 2 in.
High Back, adv. 2 in.
Half Round, adv. 2 in.

Stavesaw.

8 in.....$9.40

Stavesaw Impoved.

6 in..... 6.40
7 in..... 7.40
8 in..... 8.10
9 in..... 9.70
10 in.....10.70
12 in.....15.40

Mill. One Round Edge. Mill. Two Round Edges.

In.	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	$3.40	$3.90	$4.40	$3.80	$4.40	$4.90
5	3.60	4.30	4.60	4.00	4.80	5.10
6	3.90	4.50	5.10	4.40	5.00	5.60
7	4.40	5.20	5.50	4.90	5.80	6.10
8	4.80	5.50	6.10	5.40	6.10	6.80
9	5.50	6.50	7.10	6.10	7.30	7.90
10	6.30	7.20	7.90	7.00	8.00	8.80
11	7.50	8.80	9.60	8.40	9.80	10.60
12	8.40	9.70	10.60	9.40	10.80	11.80
13	10.60	12.00	13.20	11.80	13.40	14.60
14	12.00	13.70	14.70	13.40	15.30	16.40
15	14.70	16.90	18.10	16.40	18.80	20.10
16	16.50	18.90	20.10	18.40	21.00	22.40
17	20.50	22.70	24.40	22.80	25.30	27.10
18	22.70	25.50	27.30	25.30	28.40	30.40

Tapers. Slim Tapers. Bandsaw. Blunt&Taper.

In.	Single Cut	Double Cut	Single Cut	Double Cut	Regular	Slim
3	$2.10	$2.50	$2.10	$2.50	$2.50	$2.50
3½	2.10	2.50	2.10	2.50	2.50	2.50
4	2.20	2.90	2.20	2.60	2.90	2.60
4½	2.40	3.10	2.30	3.00	3.10	3.00
5	2.60	3.50	2.50	3.20	3.50	3.20
5½	3.00	4.00	2.90	3.50	4.00	3.50
6	3.40	4.70	3.10	3.90	4.70	3.90
7	4.30	5.60	3.80	4.50	5.60	4.50
8	5.40	6.70	4.50	5.30	6.70	5.30
9	6.60	8.10	5.40	6.30	8.10	6.30
10	8.10	9.70	6.40	7.50	9.70	7.50
11	10.70	12.10	8.30	9.10	12.10	9.10
12	12.50	14.70	9.50	11.00	14.70	11.00
13	15.90	17.50	12.10	13.10	17.50	13.10
14	18.20	20.60	13.80	15.40	20.60	15.40

Pit Saw. Cant Saw. Cross Cut. Hook Tooth. Planer Knife.

In.	Single Cut	Single Cut	Single Cut	Single Cut	Single Cut	Inserted Tooth, or Chisel Tooth
4	$4.80	$4.30	$4.80	.....	.....	.....
5	5.40	4.70	5.40	.....	.....	.....
6	6.10	5.40	6.10	$6.70	.....	.....
7	7.00	6.10	7.00	7.70	.....	.....
8	7.50	6.40	7.50	8.30	$6.40	$8.30
9	8.50	7.80	8.50	9.40	.....	9.40
10	9.10	8.70	9.10	10.10	8.60	10.10
11	10.70	10.40	10.70	11.80	.....	.....
12	11.80	11.40	11.80	13.00	12.10	.....

Climax, adv. 2 in. on Hlf. Rd. Bastard. Round Gulleting, take Pitsaw price.

Double-Ender with Handle.

Inch.	7	8	9	10	Inch.
	$3.50	$3.90	$4.40	$4.90	

Horse Rasps. File Rasps.

In.	Plain	Beveled & ¾ Rasp	Tanged	Flat	Hf.Rd.
6	.....	.....	.....	$7.40	$8.10
7	.....	.....	.....	8.60	9.30
8	.....	.....	.....	9.40	10.10
9	.....	.....	.....	11.40	12.20
10	$9.40	10.70	12.80	12.80	13.70
11	11.40	12.90	15.20	15.50	16.80
12	12.80	14.40	16.80	17.50	18.70
13	15.20	17.00	19.60	20.90	22.40
14	17.80	20.10	23.10	23.20	24.80
15	20.90	23.60	27.30	27.80	29.70
16	24.40	27.50	32.20	30.80	32.90
17	28.90	31.50	.....	36.20	38.90
18	32.90	36.20	.....	40.90	43.60

Wood Files. Wood Rasps.

In.	Flat	Hf.Rd.	Cabinet	Flat	Hf.Rd.	Cabinet
6	$4.30	$6.10	$8.10	$7.40	$8.10	10.10
7	4.80	7.00	9.30	8.60	9.30	11.70
8	5.30	7.50	10.10	9.40	10.10	12.80
9	6.30	8.50	12.20	11.40	12.20	15.50
10	7.00	9.10	13.70	12.80	13.70	17.50
11	8.60	10.70	16.80	15.50	16.80	20.70
12	9.70	11.80	18.70	17.50	18.70	22.80
13	11.80	14.10	22.40	20.90	22.40	26.80
14	13.30	15.50	24.80	23.20	24.80	29.60
15	16.00	18.50	29.70	27.80	29.70	31.90
16	17.80	20.60	32.90	30.80	32.90	36.90
17	21.50	24.70	38.90	36.20	38.90	42.40
18	23.90	27.50	43.60	40.90	43.60	46.90

Shoe Rasps.

In.	Flat	Hf.Rd.	Oval
6	$8.10	$8.10	$9.30
7	9.30	9.30	10.10
8	10.10	10.10	12.20
9	12.30	12.20	13.70
10	13.70	13.70	16.80
11	16.80	16.80	18.70
12	18.70	18.70	22.40
13	22.40	22.40	.....
14	24.80	24.80	.....

Last Makers' Rasps.

1 in. adv. on Cabinet Rasp.

Knife.

In.	Bastard	2d Cut	Smooth
4	$5.40	$6.10	$6.40
5	6.10	6.70	7.10
6	6.90	7.50	7.90
7	7.80	8.50	8.90
8	8.50	9.10	9.50
9	9.40	10.60	11.30
10	10.10	11.50	12.30
11	12.20	13.70	14.60
12	13.70	15.20	16.10
13	16.30	17.90	19.20
14	18.20	19.90	21.20

Sizes below 4 in., not extended, take 4 in. price.
Half inches not specified, take next higher full inch price.
Dead Smooth, double the price of Bastard Cut.
One Round Edge, advance 12½%.
All lengths above those listed, advance 20% on next lower in. price.
Blunt Files not specified, advance 1 in. on respective kinds and cuts.

Single or Float Cut not specified, on regular shapes take double Cut price.
Equalings—Bellied, advance 2 in. on respective kinds and cuts.
Two Round Edges, advance 25%.
Files varying from standard sizes, subject to special prices.
Cuts not specified, made upon regular blanks, advance 1 in. on respective kinds and nearest cut.

H.S.B. & CO.....discount GJ%
RELIANCE.....discount GJ-AJ%
Nicholson's.....discount FE-AJ-B A/B%

FILES.

Disston's.....discount GJ-AJ-E%
New American.....discount GE-AJ%
Seconds.....discount HJ-B A/B%
Black Diamond.....discount FE-E-B A/B%



H.S.B. & CO. files are as good as can be made. The steel is the best procurable, the workmanship perfect and great care is exercised in the inspection. The following guarantee is packed in every box—"If any of these files are found not up to standard, return them and they will be cheerfully replaced."

RELIANCE files are of high grade crucible cast steel, which is manufactured for us according to specifications. They are "A1" and carry a strong guaranty.

MILL BASTARD.



Length, in.	3	4	5	6	7	8
W't doz., lbs.—H.S.B. & CO.	½	¾	1¼	2¼	3	
H.S.B. & CO., per dozen	$3.00	3.20	3.50	3.90	4.30	
RELIANCE, per dozen	3.00	3.20	3.50	3.90	4.30	
Nicholson's, per doz.	3.00	3.20	3.50	3.90	4.30	
Disston's, per doz.	3.00	3.20	3.50	....	4.30	
New American, doz.	3.00	3.20	3.50	3.90	4.30	
Seconds, per dozen	....	....	....	....	4.30	
Black Diamond, doz.	....	....	3.50	....	4.30	

Length, in.	9	10	12	14	16
W't per doz., lbs.—H.S.B. & CO.	3½	6	10	14	21
H.S.B. & CO., per dozen	$4.90	5.60	7.50	10.70	14.70
RELIANCE, per dozen	....	5.60	7.50	10.70	14.70
Nicholson's, per dozen	4.90	5.60	7.50	10.70	14.70
Disston's, per dozen	4.90	5.60	7.50	10.70	14.70
New American, per dozen	4.90	5.60	7.50	10.70	14.70
Seconds, per dozen	....	5.60	7.50	10.70	.....
Black Diamond, per dozen	....	5.60	7.50	.....	.....

H.S.B. & CO. 3 TO 7 IN., NICHOLSON'S AND NEW AMERICAN 3 TO 10 IN., DISSTON'S 4 TO 6 IN., ONE DOZEN IN A BOX; BALANCE, ONE-HALF DOZEN IN A BOX.

MILL BASTARD, WITH ONE ROUND EDGE.



Length, in.	6	8	10	12
W't per doz., lbs.—H.S.B. & CO.		3	6	10
H.S.B. & CO., per dozen	....	4.80	6.30	8.40
RELIANCE, per dozen	$3.90	4.80	6.30	8.40
Nicholson's, per dozen	....	4.80	6.30	8.40

RELIANCE ONE-HALF DOZEN; NICHOLSON'S 8 AND 10 IN., ONE DOZEN; 12 IN., ONE-HALF DOZEN IN A BOX.

FLAT BASTARD.



Length, in.	4	5	6	8	10	12	14	16
W't doz., lbs. H.S.B. & CO.	⅝	1¼	1¾	4	6½	13	20	28
H.S.B. & CO., per dozen	$3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.30
RELIANCE, per dozen	....	....	4.30	5.30	7.00	9.70	13.30	17.30
Nicholson's, doz.	3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.30
New American, doz.	3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.30

4 TO 8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HAND BASTARD.



Length, in.	8	10	12	14
W't per doz., lbs.	5½	10	17	24
H.S.B. & CO., per dozen	$5.40	7.50	10.70	15.00

8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

FLAT SECOND CUT.



Length, in.	6	8	10	12	14	16
W't doz., lbs.—H.S.B. & CO.	2	4	8	12	20	29
H.S.B. & CO., per dozen	$4.80	6.10	8.10	11.00	15.30	20.10
Nicholson's, per doz.	4.80	6.10	8.10	11.00	15.30	.....

6 TO 10 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HAND SMOOTH.



Length, in.	8	10	12	14
W't per doz., lbs.—H.S.B. & CO.	5	9	14	22
H.S.B. & CO., per dozen	$6.70	9.40	13.50	18.20

8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

FLAT SMOOTH.



Length, in.	4	5	6	8	10	12	14
W't, doz., lbs.—H.S.B. & CO.	1	1	2	4	7½	12	20
H.S.B. & CO., per dozen	$4.70	4.90	5.30	6.60	8.70	12.10	16.70
Nicholson's, per dozen	4.70	4.90	5.30	6.60	8.70	12.10	16.70
New American, per doz.	4.70	....	5.30	6.60	8.70	12.10	16.70

4 TO 8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HALF ROUND BASTARD.



Length, in.	4	5	6	8	10	12	14	16
W't doz., lbs. H.S.B. & CO.	1¼	1¼	1¼	3¼	6½	11	19	27
H.S.B. & CO., per dozen	$4.80	5.40	6.10	7.50	9.10	11.80	15.50	20.60
RELIANCE, per dozen	....	....	6.10	7.50	9.10	11.80	15.50	20.60
Nicholson's, doz.	4.80	5.40	6.10	7.50	9.10	11.80	15.50	...
New American doz.	4.80	5.40	6.10	7.50	9.10	11.80	15.50	20.60

4 TO 8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

ROUND BASTARD.



Length, in.	4	5	6	8	10	12	14	16
Diam. widest part	5/32	3/16	7/32	5/16	¼	⅜	⅝	⅝
W't doz., lbs. H.S.B. & CO.	¼	¾	⅞	2	3½	8	14	23
H.S.B. & CO., per dozen	$3.00	3.20	3.50	4.30	5.60	7.50	10.70	14.70
RELIANCE, per dozen	3.00	3.20	3.50	4.30	5.60	7.50	.....	.....
Nicholson's, doz.	3.00	3.20	3.50	4.30	5.60	7.50	10.70	14.70
New American doz.	3.00	3.20	3.50	4.30	5.60	7.50	10.70	14.70

4 TO 10 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

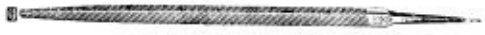
FILES AND RASPS.

[illegible].....discount GJ%
[illegible].....discount GJ-AJ%

Nicholson's.....discount FE-AJ-B A/B%
New American.....discount GE-AJ%

[illegible] Files are warranted and if not up to standard will be cheerfully replaced.

SQUARE BASTARD FILES.



Length, in.	4	5	6	8	10	12	14	16
W't doz., lbs.—[illegible]	¾	½	1	2	4	9	16	28
[illegible], per dozen	$3.80	4.10	4.60	5.50	7.40	10.20	13.90	18.70
Nicholson's, doz.	3.80	4.10	4.60	5.50	7.40	10.20	13.90	18.70
New American, doz.	3.80	4.10	4.60	5.50	7.40	10.20	13.90	18.70

4 TO 10 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

WARDING BASTARD FILES.



Length, in.	3	4	4½	5	6
W't per doz., lbs.—[illegible]	¾	½	⅝	¾	1
[illegible], per dozen	$4.00	4.00	4.50	4.50	4.90
[illegible], per dozen	4.00	4.00	4.50	4.50	4.90
Nicholson's, per dozen	4.00	4.00	4.50	4.50	4.90
New American, per dozen	4.00	4.00	4.50	4.50	4.90

ONE DOZEN IN A BOX.

KNIFE BASTARD FILES.



Length, in.	3	4	5	6
W't per doz., lbs.—[illegible]	¾	¾	1	1⅛
[illegible], per dozen	$5.40	5.40	6.10	6.90
[illegible], per dozen	5.40	5.40	6.10	6.90
Nicholson's, per dozen	5.40	5.40	6.10	6.90
New American, per dozen	5.40	5.40	6.10	6.90

ONE DOZEN IN A BOX.

HALF ROUND SECOND CUT FILES.



Length, in.	6	8	10	12	14
W't per doz., lbs.—[illegible]	1¼	3	7	11	18
[illegible], per dozen	$6.70	8.30	10.10	13.00	17.00
Nicholson's, per dozen	6.70	8.30	10.10	13.00	.....

6 TO 10 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

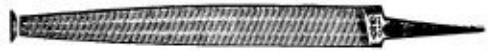
HALF ROUND SMOOTH FILES.



Length, in.	5	6	8	10	12	14	16
W't, doz., lbs.—[illegible]	1	1½	3¼	7	12	18	25
[illegible], per dozen	.....	7.10	8.90	10.70	13.90	18.30	24.20
Nicholson's, per dozen	6.40	7.10	8.90	10.70	13.90	18.30	.....

4 TO 8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HALF ROUND CABINET FILES.



Length, in.	8	10	12	14
W't per doz., lbs.—[illegible]	3	6	9	15
[illegible], per dozen	$10.10	13.70	18.70	24.80
Nicholson's, per dozen	10.10	13.70	18.70	24.80
New American, per dozen	10.10	13.70	18.70	24.80

8 IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HALF ROUND CABINET RASPS.



Length, in.	8	10	12	14
W't per doz., lbs.—[illegible]	3	7	11	16
[illegible], per dozen	$12.80	17.50	22.80	29.60
[illegible], per dozen	12.80	17.50	22.80	29.60
Nicholson's, per dozen	12.80	17.50	22.80	29.60
New American, per dozen	12.80	17.50	22.80	

HALF ROUND WOOD RASPS.



Length, in.	8	10	12	14
W't per doz., lbs.—[illegible]	3½	7	12	18
[illegible], per dozen	$10.10	13.70	18.70	24.80
[illegible], per dozen	10.10	13.70	18.70	.....
Nicholson's, per dozen	10.10	13.70	18.70	24.80
New American, per dozen	10.10	13.70	18.70	24.80

FLAT WOOD RASPS.



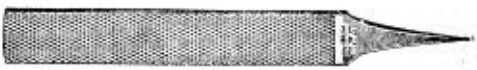
Length, in.	10	12	14
W't per doz. lbs.—[illegible]	8	14	20
[illegible], per dozen	$12.80	17.50	23.20
New American, per dozen	12.80	17.50	23.20

HALF ROUND SHOE RASPS.



Length, in.	6	8	10
W't per doz. lbs.—[illegible]	2	4	8
[illegible], per dozen	$8.10	10.10	13.70
New American, per dozen	8.10	10.10	13.70

TANGED HORSE RASPS.



Length, in.	14	16
W't per doz., lbs.	28	38
[illegible], per dozen	$23.10	32.20

PLAIN HORSE RASPS.



Length, in.	12	14	16
W't per doz., lbs.—[illegible]	15	19	29
[illegible], per dozen	$12.80	17.80	24.40
[illegible], per dozen	12.80	17.80	24.40
New American, per dozen	12.80	17.80	24.40

[illegible], narrow, length 18 in., w't per doz. 30 lbs., per dozen $24.40

[illegible], narrow, length 18 in., w't per doz. 30 lbs., per dozen $24.40

PLAIN AND TANGED HORSE RASPS.



Discount.....GJ%

Length, in.	12	14	16
W't per doz., plain	15	19	29
W't per doz., tanged	..	28	38
Heller Bros.', plain, per dozen	$12.80	17.80	24.40
Heller Bros.'s, tanged, per dozen	.....	23.10	32.20

Heller Bros.', slim or narrow, length 18 in., w't per doz. 30 lbs., per dozen $24.40

ENTIRE COLUMN, ONE-HALF DOZEN IN A BOX.

FILES.

[illegible].....discount GJ%
[illegible].....discount GJ-AJ%
Nicholsons'.....discount FE-AJ-B A/B%

Disston's.....discount GJ-AJ-E%
New American.....discount GE-AJ%
Black Diamond.....discount FE-E-B A/B%

COMMON TAPER SAW.



Length, in.	3½	4	4½	5	5½
W't per doz., lbs.—[illegible]	½	¾	1⅛	1½	2
[illegible], per dozen	$2.10	2.20	2.40	2.60	3.00
Nicholson's, per dozen	....	2.20	2.40	2.60	3.00
New American, per dozen	....	2.20	2.40	2.60	3.00

Length, in.	6	7	8	10	12
W't per doz., lbs.—[illegible]	2¼	3	4½	8	14
[illegible], per dozen	$3.40	4.30	5.40	8.10	12.50
Nicholson's, per dozen	3.40	4.30	5.40	8.10	12.50
New American, per dozen	3.40	4.30	5.40	8.10	....

ONE DOZEN IN A BOX.

SLIM TAPER SAW.



Length, in.	3	3½	4	4½	5
W't per doz., lbs.—[illegible]	¼	¼	½	¾	⅞
[illegible], per dozen	$2.10	2.10	2.20	2.30	2.50
[illegible], per dozen	2.10	2.10	2.20	2.30	2.50
Nicholson's, per dozen	2.10	2.10	2.20	2.30	2.50
Disston's, per dozen	2.10	2.10	2.20	2.30	2.50
New American, per dozen	2.10	2.10	2.20	2.30	2.50
Black Diamond, per dozen	....	....	2.20	....	2.50

Length, in.	5½	6	7	8	10
W't per doz., lbs.—[illegible]	1	1¼	2	3	6
[illegible], per dozen	$2.90	3.10	3.80	4.50	6.40
[illegible], per dozen	2.90	3.10	3.80	4.50	6.40
Nicholson's, per dozen	2.90	3.10	3.80	4.50	6.40
Disston's, per dozen	2.90	3.10	3.80	4.50	....
New American, per dozen	2.90	3.10	3.80	4.50	....
Black Diamond, per dozen	....	3.10	....	....	....

ONE DOZEN IN A BOX.

EXTRA SLIM TAPER SAW.



Length, in..	3	3½	4	4½	5	5½	6	7	8
W't, doz. lbs.	⅛	⅛	¼	⅛	½	⅝	¾	1	1½
[illegible], doz.	$2.10	2.10	2.20	2.30	2.50	2.90	3.10	3.80	4.50
[illegible], doz.	2.10	2.10	2.20	2.30	2.50	2.90	3.10	3.80	4.50
Nicholson's	2.10	2.10	2.20	2.30	2.50	2.90	3.10	3.80	....

ONE DOZEN IN A BOX.

DOUBLE ENDER SAW.



With Handle.

Length, in.	7	8	9	10
W't per doz., lbs.—[illegible]	1¼	2	2½	3½
[illegible], per dozen	$3.50	3.90	4.40	4.90
[illegible], per dozen	3.50	3.90	4.40	4.90
Nicholson's, per dozen	3.50	3.90	4.40	4.90
New American, per dozen	3.50	3.90	4.40	4.90

[illegible] ONE DOZEN, ONE DOZEN; BALANCE ONE-HALF DOZEN IN A BOX.

SLIM BLUNT.



One Handle Supplied with Every Three Files.

Length, in.	4½	5	5½	6	7
W't per doz., lbs.	½	¾	1	1¼	1¼
Weed's Special, per dozen	$2.30	2.50	2.90	3.10	3.80
	JIJ	JIE	AAJ	ABJ	ADE

ONE DOZEN (WITH FOUR HANDLES) IN A BOX.

BLUNT END.



One Handle Supplied with Every Three Files.

Length, in.	4½	5	5½	6
W't per doz., lbs.	½	¾	⅞	1
Hunt's Chrome Steel, per dozen	$2.30	2.50	2.90	3.10
	JHE	JIJ	AJE	AAJ

ONE DOZEN (WITH FOUR HANDLES) IN A BOX.

PIT SAW.



Length, in.	6	8
W't per doz., lbs.—[illegible]	2	4
[illegible], per dozen	$6.10	7.50

ONE DOZEN IN A BOX.

CANT OR LIGHTNING.



Length, in.	6	8	10
W't per doz., lbs.—[illegible]	1½	2¾	5
[illegible], per dozen	$5.40	6.40	8.70
[illegible], per dozen	5.40	6.40	8.70
Nicholson's, per dozen	5.40	6.40	8.70
New American, per dozen	5.40	6.40	8.70

ONE DOZEN IN A BOX.

GREAT AMERICAN SAW.



For Disston's Great American Cross-Cut Saws.

Length, in.	8	10
W't per doz., lbs.—[illegible]	4	6
[illegible], per dozen	$6.00	7.40
Disston's, per dozen	6.00	....
New American, per dozen	7.50	9.10

ONE DOZEN IN A BOX.

CLIMAX SAW.



[illegible], 6 in. .....per dozen $7.50

ONE DOZEN IN A BOX. W'T 2 LBS. PER DOZEN.

FILES AND FILE CLEANERS.

NEEDLE FILES.



Flat.



Square.



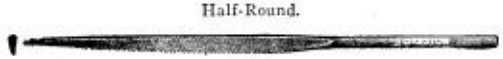
Three-Square.



Round.



Half-Round.



Knife.



Oval.

Disston's assorted, 2 each, flat, square, round, half-round and oval, 1 each, three-square and knife, length 5½ in., per dozen .....**J I J** $1.10

ONE DOZEN IN A BOX.

AUGER BIT FILES.



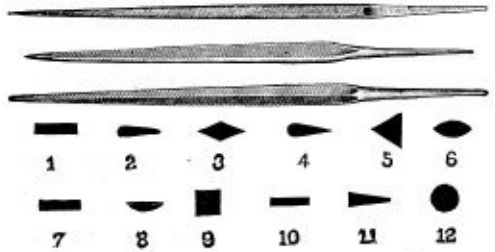
For Auger Bits of All Sizes.

No. 1—7 in., double ender, one end having flat file with smooth edges, the other end being smooth with file edges, per dozen .....**A B J** $3.50

This file is made especially for the purpose, and will do quick and fine work without the danger of ruining the lip.

ONE DOZEN ON AN EASEL-BACK CARD; WEIGHT ½ LB. PER DOZEN.

ASSORTED DIE SINKERS' FILES.



No. 1—Flat.
No. 2—Pippin.
No. 3—Lozenge.
No. 4—Auriform.
No. 5—Three Square.
No. 6—Oval.
No. 7—Warding.
No. 8—Half Round.
No. 9—Square.
No. 10—Crochet.
No. 11—Knife.
No. 12—Round.

No. 15—3½ in., one dozen assorted shapes, flat safe edge, pippin, lozenge, auriform, three square, oval, warding, half round, square, crotchet, knife and round—sold in sets only, per set .....**A E J** $2.80

HORSE TOOTH FILES.



No. 10—Polished, 3 in. detachable file, stained wood handle, length 19 in., w't per doz. 13 lbs. ...per dozen **J I J J** $15.00

Extra Files, for No. 10, w't per doz. 2 lbs., per dozen ..... **B J J** $3.00

ONE-QUARTER DOZEN IN A BOX; EXTRA FILES, ½ DOZEN IN A BOX.



No. 30—Polished, 3 in. detachable file, jointed shank, stained wood handle, length 19 in., w't per doz. 14 lbs., per dozen .....**A B J J** $30.00

Extra Files, for No. 30, w't per doz. 2 lbs., per dozen ..... **B J J** $3.00

ONE-QUARTER DOZEN IN A BOX; EXTRA FILES, ½ DOZEN IN A BOX.



No. 60—Polished, adjustable holder, 3 in. detachable file, jointed shank, stained wood handle, length 19 in., w't per doz. 16 lbs. .....per dozen **A F H J** $28.00

Extra Files, for No. 60, w't per doz. 2 lbs., per dozen ..... **B J J** $3.00

ONE-QUARTER DOZEN IN A BOX; EXTRA FILES, ½ DOZEN IN A BOX.

FILE CLEANERS.



No. 9—Nicholson's, wood back and frame, hardened and tempered steel wire teeth, with scorer, length 10 in., w't per doz. 3½ lbs. .....per dozen **B B J** $3.00



No. 10 REVISED—Colton's patent file cleaners, steel back and frame, hardened and tempered, steel wire teeth, with pick, length 7¼ in., w't per doz. 2½ lbs., per dozen **B D J** $3.50

ONE DOZEN IN A BOX.



No. 05—Pilley Quick, wire handle, 5 in. long, steel bristles 1½ in., width 2¼ in., length 7½ in. over all, w't per doz. 3½ lbs. .....per dozen **A G J** $2.80

Useful in engine room, factory, farm and household. May be used for removing rust if used with a little acid; for cleaning brass, iron that needs painting, pots and pans. Indispensable in cleaning harvesting machinery, etc., as it reaches every nook and corner.

ONE DOZEN IN A WOODEN BOX.

AUGER BITS.



Extra Cast Steel, Extension Lips.

No. 15 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1¼	1½	1¾	2	2¼
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	AGE	AEE	AEE	AEE	AGE	AIE

No. 15 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	2¼	3	3½	4	4½	5
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	BAE	BCE	BGE	BGE	CAJ	CAJ

No. 15 — Inches	15/16	16/16	18/16	20/16
W't per doz., lbs.	5½	6	6½	7½
Per dozen	$9.00	9.00	10.50	12.00
	CEJ	CEJ	JDAJ	JDGJ

No. 15 — Sets of 24 quarters, two each 6-16, 8-16 and 10-16, one each 4-16, 5-16, 7-16, 9-16, 11-16 and 12-16 in., w't 2¼ lbs. ..... per set BJE $5.25

No. 15 — Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16, and 16-16 in., w't 3½ lbs. ..... per set BGJ $7.00

ONE-HALF DOZEN IN A WOOD BOX.



Irwin Pattern, Solid Centers, Extra High Grade Crucible Steel, Extension Lip, Double Cutter.

No. 20 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1½	1½	1¾	2	2¼
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	BDE	BAE	BAE	BAE	BDE	BGJ

No. 20 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	2¼	3	3½	4	4½	5
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	CJJ	CBE	CHJ	CHJ	DCJ	DCJ

No. 20 — Inches	15/16	16/16	18/16	20/16
W't per doz., lbs.	5½	6	6½	7½
Per dozen	$9.00	9.00	10.50	12.00
	DHE	DHE	JEGJ	JFEJ

IRWIN.



Extra Cast Steel, Solid Center Stem, Double Cutter, Extension Lips.

No. 23 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1	1¼	1½	2	2
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	BDE	BAE	BAE	BAE	BDE	BGJ

No. 23 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	2½	2¾	3	3¼	3½	3½
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	BIJ	CBE	CHJ	CHJ	DCJ	DCJ

No. 22 Inches	15/16	16/16
W't per doz., lbs.	4	4½
Per dozen	$9.00	9.00
	DHE	DHE

ONE-HALF DOZEN IN A BOX.

No. 35—12x4¼x3¾ in., varnished hardwood box, containing one set 20½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 10-16, 12-16, 14-16 and 16-16ths Irwin auger bits, w't 4½ lbs., per set ..... BDJ $4.40

No. 32—11½x6½x3 in., handsome hardwood box, containing one set 32½ quarters, 4-16 to 16-16ths, Irwin auger bits, w't 5½ lbs. ..... per set CHJ $7.00



Irwin Pattern, Extra Cast Steel, Solid Stem, Single Cutter, Polished.

No. 22 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1¼	1½	1¾	2	2½
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	AIE	AGE	AGE	AGE	AIE	BAE

No. 22 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	3	3¼	3½	4	4¼	5
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	BDJ	BGJ	CJJ	CJJ	CDE	CDE

No. 22 — Inches	15/16	16/16
W't per doz., lbs.	5¼	5½
Per dozen	$9.00	9.00
	CIJ	CIJ

No. 22 — Sets of 32½ quarters, in rolls, per set ..... BHJ $7.00

ONE-HALF DOZEN IN A WOOD BOX.



Extra Cast Steel, Double Spurs and Lips.

No. 26 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1¼	1½	1¾	2	2½
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	AEE	ACE	ACE	ACE	AEE	AGJ

No. 26 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	3	3¼	3½	4	4¼	5
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	AIJ	BJE	BDJ	BDJ	BGE	BGE

No. 26 — Inches	15/16	16/16
W't per doz.	5¼	5½
Per dozen	$9.00	9.00
	CAJ	CAJ

No. 26 — Sets of 24 quarters, two each 6-16, 8-16 and 10-16, one each 4-16, 5-16, 7-16, 9-16, 11-16 and 12-16 in., w't 2¼ lbs. ..... per set AHJ $5.25

No. 26 — Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't 3½ lbs. ..... per set BDJ $7.00

RAPID BORING AUGER BITS.

Extra Cast Steel, Polished, Double Spurs and Lips, Same Style as No. 26.

No. 28 — Inches	10/16	11/16
W't per doz., lbs.	3¼	3½
Per dozen	$6.00	7.00
	BAE	BEJ

These bits have coarse screw and a special twist, making them excellent bits for rapid boring.

ONE-HALF DOZEN IN A BOX.

FORD.



Extra Cast Steel, Single Concaved Twist, Extension Lip.

No. 29 — Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	¾	1¼	1¾	2	2¼	2½
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	BGJ	BDJ	BDJ	BDJ	BGJ	CJJ

No. 29 — Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	3	3½	4	4½	5	5½
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	CCJ	CFJ	DBJ	DBJ	DHJ	DHJ

No. 29 — Inches	15/16	16/16	18/16	20/16	24/16
W't per doz., lbs.	6½	6½	8	8½	11½
Per dozen	$9.00	9.00	10.50	12.00	15.00
	EDJ	EDJ	JFCJ	JGBJ	JIJJ

No. 29—Sets of 32½ quarters, in hardwood box, similar to No. 612 ..... per set DBJ $7.00

3-16 TO 20-16THS, ONE-HALF DOZEN; 24-16THS, ONE-THIRD DOZEN IN A BOX.

AUGER BITS AND SETS.

RUSSELL JENNINGS AUGER BITS.



Extra Cast Steel, Extension Lips.

No. 24—						
Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	¾	1¼	1½	1¾	2	2½
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	CBE	BIJ	BIJ	BIJ	CBE	CFJ

No. 24—						
Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	2¾	3	3¼	3½	3¾	4½
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	CIE	DCJ	EJE	EJE	EGE	EGE

No. 24—Inches	15/16	16/16
W't per doz., lbs.	5	5½
Per dozen	$9.00	9.00
	FDE	FDE

No. 24—Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't 5 lbs., in hardwood box ..... per set **CJE** $7.00

3 TO 12-16THS, ONE DOZEN; 13 TO 16-16THS, ONE-HALF DOZEN IN A BOX.

SPECIAL BLUED AUGER BITS.



Jennings' Pattern, Cast Steel, Extension Lips.

No. 62—Cruso,						
Inches	3/16	4/16	5/16	6/16	7/16	8/16
W't per doz., lbs.	1	1½	1½	1¾	2	2½
Per dozen	$4.50	4.00	4.00	4.00	4.50	5.00
	ABJ	AAJ	AAJ	AAJ	ABJ	ACE

No. 62—Cruso,						
Inches	9/16	10/16	11/16	12/16	13/16	14/16
W't per doz., lbs.	2½	2¾	3	3¼	4	4½
Per dozen	$5.50	6.00	7.00	7.00	8.00	8.00
	AEJ	AFJ	AIJ	AIJ	BAE	BAE

No. 62—Cruso, Inches	15/16	16/16
W't per doz., lbs.	4½	5½
Per dozen	$9.00	9.00
	BDE	BDE

No. 62—Cruso, sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't 5 lbs. ..... per set **AIJ** $7.00

ONE-HALF DOZEN IN A WOOD BOX.

AUGER BIT SETS.



No. 220 C.S.B.—Sets of 20½ quarters, w't per set 4¼ lbs., per set ..... **BDJ** $4.40

No. 232 C.S.B.—Sets of 32½ quarters, w't per set 4½ lbs., per set ..... **CHJ** $7.00

C.S.B. *auger bits are made from extra quality tool steel, they are carefully forged so that the steel may be of uniform density and every precaution is taken to secure strength at the points of strain. The tempering is done by the most accurate, modern method. The lips, spurs and throat are filed to such form that they will retain their cutting edges and give the greatest amount of service.*

AUGER BIT SETS.



In Bartlett Boxes.

No. 6—11x5½x1¼ in., cherry finished, containing one each 4-16, 6-16, 8-16, 10-16, 12-16 and 16-16ths No. 26 REVANC extra cast steel auger bits, w't 3 lbs., per set ..... **ADE** $3.00

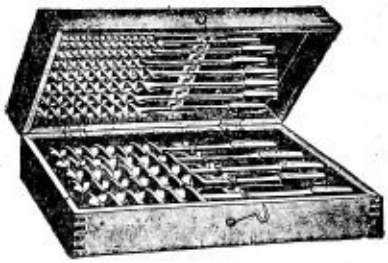
No. 8—11x7x1¼ in., cherry finished, containing one each 4-16, 5-16, 6-16, 8-16, 10-16, 12-16, 14-16 and 16-16ths No. 26 REVANC extra cast steel auger bits, w't 3¼ lbs., per set ..... **AHJ** $4.00

No. 13—11x6x2 in., cherry finished, containing one set 32½ quarters—4-16 to 16-16ths—No. 26 REVANC extra cast steel auger bits, w't 5 lbs. ..... per set **CJE** $7.00

No. 213—Containing one set 32½ quarters—4-16 to 16-16ths—No. 15 C.S.B. auger bits, otherwise same as No. 13, w't 5½ lbs., per set ..... **CCE** $7.00



No. 600—Cruso, 10½x4½x1½ in., containing one each 4, 5, 6, 8, 10 and 12-16 in. cast steel blued auger bits in slide cover box, w't 1½ lbs. ..... per set **JGJ** $2.50



No. 12—11x5½x2½ in., oiled hardwood box, containing one set 32½ quarters—4-16 to 16-16ths—No. 26 REVANC extra cast steel auger bits, w't 2½ lbs. ..... per set **BIJ** $4.70

No. 212—Containing one set 32½ quarters—4-16 to 16-16ths—No. 15 C.S.B. auger bits, w't 4 lbs. ..... **CAJ** $5.30

Hardwood Bit Boxes.

No. 012—For 13 bits, oil finish, w't per doz. 12 lbs., per dozen ..... **CIJ** $.650

AUGER BIT BOXES.

No. 16—Bartlett, for 6 bits, cherry finish, w't 1¼ lbs., per dozen ..... **DCJ** $7.20

No. 18—Bartlett, for 8 bits, cherry finish, w't 1¼ lbs., per dozen ..... **EAJ** $9.00

No. 013—Bartlett, for 13 bits, cherry finish, w't 2 lbs., per dozen ..... **JFEJ** $10.80

AUGER AND CAR BITS.

IRWIN PATTERN CAR BITS.



Extra Cast Steel, Solid Center Stem, Double Cutter, Extension Lip.

No. 40 —In.	4-16	5-16	6-16	7-16	8-16
W't per doz., lbs.	3	3½	4¼	4¾	5½
Per dozen	$9.00	9.00	9.00	10.00	11.25
	DHE	DHE	DHE	JEDJ	JFAJ
No. 40 —Inches	**9-16**	**10-16**	**11-16**	**12-16**	
W't per doz., lbs.	5¾	6½	7¼	7½	
Per dozen	$12.50	13.75	15.00	16.25	
	JFGE	JGDE	JHAJ	JHGE	
No. 40 —Inches	**13-16**	**14-16**	**15-16**	**16-16**	
W't per doz., lbs.	8¼	8¾	10	10½	
Per dozen	$17.50	19.00	20.50	22.00	
	JIDE	AJBE	AAAJ	AAIJ	
No. 40 —Inches	**17-16**	**18-16**	**20-16**	**21-16**	
W't per doz., lbs.	13	13½	15	17	
Per dozen	$24.00	26.00	30.00	32.00	
	ABIE	ADJE	AFBJ	AGCJ	

ONE-HALF DOZEN IN A BOX.

IRWIN CAR BITS.



Extra Cast Steel, Solid Center Stem, Double Cutter, Extension Lip.

No. 34—Inches	4-16	5-16	6-16	7-16	8-16
W't per doz., lbs.	3	3½	4¼	4¾	5½
Per dozen	$9.00	9.00	9.00	10.00	11.25
	DHE	DHE	DHE	JEDJ	JFAJ
No. 34—Inches	**9-16**	**10-16**	**11-16**	**12-16**	**13-16**
W't per doz. lbs.	5¾	6½	7¼	7½	8¼
Per dozen	$12.50	13.75	15.00	16.25	17.50
	JFGE	JGDE	JHAJ	JHGE	JIDE
No. 34—Inches	**14-16**	**15-16**	**16-16**	**17-16**	
W't per doz., lbs.	8¾	10	10½	13	
Per dozen	$19.00	20.50	22.00	24.00	
	AJBE	AAAJ	AAIJ	ABIE	

ONE-HALF DOZEN IN A BOX.

SNELL'S SHIP AUGER PATTERN CAR BITS.



Superior Cast Steel, with Screw, Full Polished.

8 in. Twist.

No. 49—In.	6-16	7-16	8-16	9-16	10-16	11-16
W't. doz., lbs.	2½	3½	4	5	5½	6½
Per dozen	$7.50	7.50	8.00	9.00	10.00	10.50
	DEJ	DEJ	DHJ	EDJ	JFJJ	JFCJ
No. 49—In.	**12-16**	**13-16**	**14-16**	**15-16**	**16-16**	**17-16**
W't, doz., lbs.	7	8	9	10½	12	14
Per dozen	$11.00	12.00	12.00	13.50	13.50	15.00
	JFFJ	JGBJ	JGBJ	JHAJ	JHAJ	JIJJ

12 in. Twist.

No. 51—Inches	6-16	7-16	8-16	9-16	10-16
W't per doz., lbs.	3	4	5	6	7
Per dozen	$9.00	9.50	10.00	10.50	11.00
	EDJ	EGJ	JFJJ	JFCJ	JFFJ
No. 51—Inches	**11-16**	**12-16**	**13-16**	**14-16**	
W't per doz., lbs.	7¾	9	10½	11½	
Per dozen	$11.50	12.00	12.50	13.00	
	JFIJ	JGBJ	JGEJ	JGHJ	
No. 51—Inches	**15-16**	**16-16**	**17-16**	**18-16**	
W't per doz., lbs.	13	14	15	18½	
Per dozen	$14.00	14.50	15.50	16.00	
	JHDJ	JHGJ	JICJ	JIFJ	

ONE-HALF DOZEN IN A BOX.

SNELL'S CAR BITS.



Superior Cast Steel, Extension Lip, 12 Inch Twist.

No. 36—Inches	6-16	7-16	8-16	9-16
W't per doz.	3	3½	4	5
Per dozen	$9.00	10.00	11.25	12.50
	DCJ	JDHJ	JEDJ	JFJJ
No. 36—Inches	**10-16**	**11-16**	**12-16**	**13-16**
W't per doz., lbs.	6	6	6½	7¼
Per dozen	$13.75	15.00	16.25	17.50
	JFFJ	JGBJ	JGHJ	JHDJ

ONE-HALF DOZEN IN A BOX.

FORD'S SHIP AUGER PATTERN CAR BITS.



Superior Cast Steel, with Screw, Full Polished, 12 Inch Twist.

No. 54—Inches	6-16	7-16	8-16	9-16	10-16
W't per doz., lbs.	3	3¾	4½	5	6
Per dozen	$9.00	9.50	10.00	10.50	11.00
	EDJ	EGJ	JFJJ	JFCJ	JFFE
No. 54—Inches	**11-16**	**12-16**	**13-16**	**14-16**	
W't per doz., lbs.	7½	9½	10½	11½	
Per dozen	$11.50	12.00	12.50	13.00	
	JFIJ	JGBJ	JGEJ	JGHJ	
No. 54—Inches	**15-16**	**16-16**	**17-16**	**18-16**	
W't per doz. lbs.	12	16	17	17½	
Per dozen	$14.00	14.50	15.50	16.00	
	JHDJ	JHGJ	JICJ	JIFJ	

ONE-HALF DOZEN IN A BOX.

SNELL'S SHIP AUGERS.



With Screw.



Without Screw.

Superior Cast Steel, Japanned Inside.

No. 52—Inches	6-16	7-16	8-16	9-16	10-16
Twist, in.	8½	9	9½	10½	11½
W't per doz., lbs.	2¼	3	4	6	7½
With Screw, doz.	$7.50	7.50	7.50	9.00	9.00
Without Screw	7.50	7.50	7.50	9.00	9.00
	DEJ	DEJ	DEJ	EDJ	EDJ
No. 52—Inches	**11-16**	**12-16**	**13-16**	**14-16**	**15-16**
Twist, in.	12	12	12½	12½	13
W't per doz., lbs.	8	9	9¼	10¼	12
With Screw, doz.	$10.50	10.50	12.00	12.00	13.50
Without Screw	10.50	10.50	12.00	12.00	13.50
	JFCJ	JFCJ	JGBJ	JGBJ	JHAJ
No. 52—Inches	**16-16**	**17-16**	**18-16**	**19-16**	
Twist, in.	13	13½	13½	14	
W't per doz., lbs.	14	18	20¼	23	
With Screw, per dozen	$13.50	15.00	15.00	16.50	
Without screw	13.50	15.00	15.00	16.50	
	JHAJ	JIJJ	JIJJ	JIIJ	
No. 52—Inches	**20-16**	**24-16**	**28-16**	**32-16**	
Twist, in.	14	14	14	15	
W't per doz., lbs.	26	35	42	52	
With Screw, per dozen	$16.50	21.00	27.50	38.00	
Without Screw	16.50				
	JIIJ	ABFJ	AFEJ	BBHJ	

4-16 TO 16-16THS, ONE-HALF DOZEN; BALANCE, ONE-QUARTER DOZEN IN A BOX.

AUGER BITS AND AUGERS.

SNELL'S SHIP AUGER BITS.



Superior Cast Steel, with Screw, 5 Inch Twist.

No. 50—Inches	4-16	5-16	6-16	7-16	8-16
W't per doz., lbs.	1	1½	2	2½	3
Per dozen	$6.00	6.00	6.00	6.00	6.00
	CFJ	CFJ	CFJ	CFJ	CFJ
No. 50—Inches	9-16	10-16	11-16	12-16	
W't per doz., lbs.	3¼	3¾	4	4½	
Per dozen	$7.50	7.50	9.00	9.00	
	DEJ	DEJ	EDJ	EDJ	
No. 50—Inches	13-16	14-16	15-16	16-16	
W't per doz., lbs.	5	5½	6½	8	
Per dozen	$10.50	10.50	12.00	12.00	
	JFCJ	JFCJ	JGBJ	JGBJ	

ONE HALF DOZEN IN A BOX.

FORD'S SHIP AUGERS.



Superior Cast Steel, Full Polished, with Screw.

No. 53—Inches	6-16	7-16	8-16	9-16	10-16	11-16
Twist, in.	11	12	12	12	12	12
W't per doz., lbs.	3¼	3¾	4½	6	7	8½
Per dozen	$7.50	7.50	7.50	9.00	9.00	10.50
	DEJ	DEJ	DEJ	EDJ	EDJ	JFCJ
No. 53—Inches	12-16	13-16	14-16	15-16	16-16	
Twist, in.	12	12	12	12	12	
W't per doz., lbs.	9½	10½	12¼	13¼	15½	
Per dozen	$10.50	12.00	12.00	13.50	13.50	
	JFCJ	JGBJ	JGBJ	JHAJ	JHAJ	

ONE-HALF DOZEN IN A BOX.

BIT EXTENSIONS.



No. 5—Inches	12	15	18	21	24
W't per doz., lbs.	6	7½	8¼	9	11
Per dozen	$18.00	18.00	18.00	18.00	21.00
	AAFE	AAFE	AAFE	AAFE	ACFJ

Extensions will follow ⅝ in. bit and longer.

ONE IN A BOX.

STEER'S EXPANSIVE AUGER BITS.



Nickel Plated, with Two Cutters.

Small, ⅝ to 1¾ in. cut, w't per doz. 4½ lbs., per dozen ..... AGAE $22.00

Large, ⅞ to 3 in. cut, w't per doz. 8¼ lbs., per dozen ..... BJCJ $26.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

Extra Cutters.

Nos.	1	2	3	4
Cut, in.	⅝ to 1⅛	1⅛ to 1¾	⅞ to 1¼	1¼ to 3
Per dozen	$3.00	3.75	5.25	6.00
	BCE	BIE	DAJ	DGJ

Nos. 1 and 2 are adapted to small; Nos. 3 and 4 are adapted to large bits.

ONE DOZEN IN A BOX.

EXPANSIVE AUGER BITS.



Extra Fine Tool Steel, Gun Metal Finish, Polished Cutters, Carefully Tempered, With Two Cutters.

No. 100 —Small, ½ to 1½ in. cut, w't per doz. 3 lbs., per dozen ..... JGGJ $18.00

No. 125 —Large, ⅞ to 3 in. cut, w't per doz. 7½ lbs., per dozen ..... AAAJ $26.00

The bits are made of an extra fine tool steel, carefully tempered cutters are accurately fitted to bits and are as high grade as can be made.

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

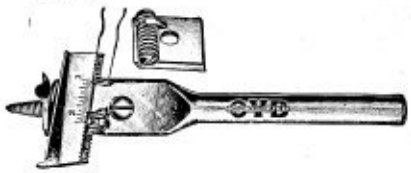
Extra Cutters.

Nos.	1	2	3	4	5	6
Cut, in.	⅝ to ⅞	⅞ to 1½	⅞ to 1¾	1¾ to 3	3to4	4to5
Per doz.	$3.00	3.75	5.25	6.00	9.00	12.00
	ACJ	AFJ	BBJ	BEE	CHE	EAJ

Nos. 1 and 2 are adapted to small, Nos. 3 to 6 for large bits.

ONE DOZEN IN A BOX.

SPECIAL EXPANSIVE BITS.



Extra Fine, Tool Steel, Full Polished, Carefully Tempered, with Two Cutters.

No. 150—Small, ⅝ to 1¾ in. cut, w't per doz. 4½ lbs., per dozen ..... AFIJ $22.00

No. 175—Large, ⅞ to 3 in. cut, w't per doz. 8½ lbs., per dozen ..... BJJE $26.00

The cutter intermeshes with a cross feed screw, which is firmly held and is forced into a dovetail and directly against the stem of bit.

It is impossible for the cutter to move while the bit is in operation. The cutter itself is of special construction, having a uniform bevel or cutting edge its entire length.

These bits are patented and have the latest and most improved features.

ONE IN A BOX.

Extra Cutters.

Nos.	1	2	3	4	5
Cut, in.	⅝ to 1¼	1⅛ to 1¾	⅞ to 1⅝	1¾ to 3	3to4
Per dozen	$3.00	3.75	5.25	6.00	7.00
	BEJ	CBJ	DDE	EJE	EIJ

Nos. 1 and 2 are adapted to small, balance to large bits.

CLARK EXPANSIVE AUGER BITS.



Nickel Plated, with Two Cutters.

Small, ½ to 1½ in. cut, w't per doz. 6 lbs., per dozen ..... JFEJ $18.00

Large, ⅞ to 3 in. cut, w't per doz. 8 lbs., per dozen ..... JICE 26.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

Extra Cutters.

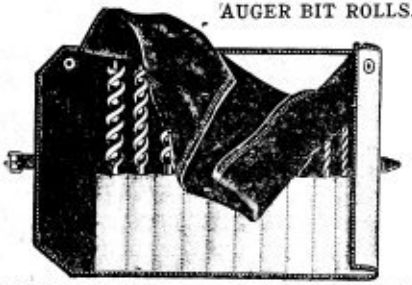
Nos.	1	2	3	4	5	6
Cut, in.	½ to ⅞	⅞ to 1½	⅞ to 1¾	1¾ to 3	3to4	4to5
Per doz.	$3.00	3.75	5.25	6.00	9.00	12.00
	AAE	ADE	BJE	BCJ	CCE	DFJ

Nos. 1 and 2 are adapted to small, Nos. 3 to 6 are adapted to large bits.

ONE DOZEN IN A BOX.

AUGERS AND BITS.

AUGER BIT ROLLS.



No. 3—18x11 in., for 13 bits, canvas case only, leather bound, leather strap and buckle, w't per doz. 2 lbs. per dozen ..... **DAJ** $9.00

No. 2—12x10 in., for six auger bits, w't per doz. 4 lbs., otherwise same as No. 3 ..... per dozen **EFJ** $8.00

No. 2—12x10 in., for six auger bits, w't per doz. 3 lbs., otherwise same as No. 3 ..... per dozen **CFJ** $8.00

REVONOC CARPENTERS' NUT AUGERS.



Solid Cast Steel, Brass Nut, Full Polished Shank.

No. 126—Inches	½	¾	1	1⅛	1¼
W't per doz., lbs.	4	5½	8½	11½	12
Per dozen	$8.25	10.75	13.25	15.00	17.00
	BBE	**JBIJ**	**JCFJ**	**JDJE**	**JDHJ**

No. 126—Inches	1½	1¾	2	2¼	2½	3
W't. doz., lbs.	15	19	21½	27	30	37½
Per dozen	$22.00	26.00	30.00	40.00	50.00	90.00
	JEIE	**JGJJ**	**JHAJ**	**AJHJ**	**ACEJ**	**BDCJ**

ONE-HALF DOZEN IN A BOX.

BORING MACHINE AUGERS.



½ In. Shank, 8½ In. Twist, Will Fit Any Make of Machine.

No. 128—Inches	1	1¼	1½	2
W't per doz., lbs.	2½	3	3½	4½
Per dozen	$15.00	19.00	24.00	32.00
	JDJE	**JEAE**	**JFEJ**	**JHFE**

Sets of 18 quarters, 1, 1½ and 2 in. ..... per set **AGJ** $6.00

ONE-QUARTER DOZEN IN A BOX.

IRWIN BORING MACHINE AUGERS.



Solid Center Stem, Double Cutter, Extension Lip.

No. 129—Inches	1	1½	2
W't per doz., lbs.	8½	12½	16½
Per dozen	$15.00	24.00	32.00
	JFAE	**JIHE**	**ACAE**

1 IN., ONE DOZEN; 1½ IN., ONE-HALF DOZEN; 2 IN., ONE-QUARTER DOZEN IN A BOX.

DOWEL SHARPENERS.



No. 22—Stanley's, improved, w't per doz. 1 lb., per dozen ..... **AHE** $3.00

ONE-HALF DOZEN IN A BOX.

REVONOC DOWEL BITS.

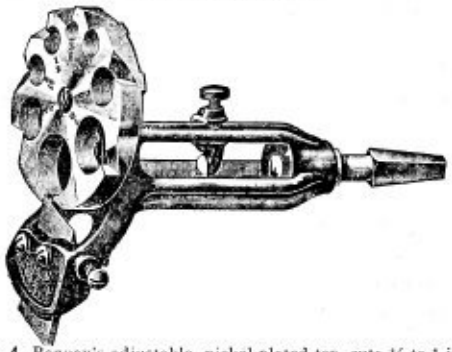


GVE, 3½ Inches Long.

Inch	¼	⅜	⅜	½
W't per doz., lbs.	½	⅝	¾	¾
Per dozen	$4.00	4.00	4.00	5.00
	AIJ	**AIJ**	**AIJ**	**BAE**

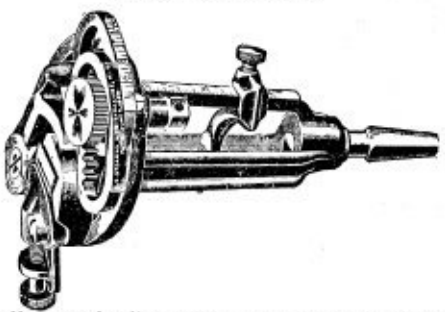
ONE DOZEN IN A BOX.

HOLLOW AUGERS.



No. 4—Bonney's adjustable, nickel plated top, cuts ⅜ to 1 in., w't per doz. 20 lbs. ..... per dozen **JGBJ** $30.00

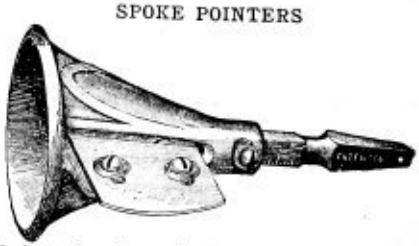
ONE-SIXTH DOZEN IN A BOX.



No. 33—Stearns', adjustable to any size from ¼ to 1¼ in. in diameter and to depth of 3 in., japanned and painted red, polished edges, nickel plated thumb screws, w't per doz. 21 lbs. ..... per dozen **EDJJ** $72.00

ONE-SIXTH DOZEN IN A BOX.

SPOKE POINTERS

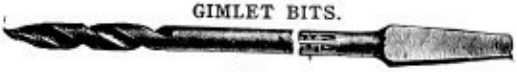


No. 1—Stearns', with graduated adjustable shank and cast steel adjustable knife, w't per doz. 15½ lbs., per dozen ..... **FFJ** $9.00

ONE-HALF DOZEN IN A BOX.

BRACE AND COUNTERSINK BITS.

GIMLET BITS.



Double Cut, Hammer Forged from Best Crucible Steel, Hardened, Tempered and Polished.

No. 21 —Inch	4-32	5-32	6-32	7-32
Per dozen	$1.50	1.65	1.80	2.00
	JIJ	JIE	JIE	AJJ
No. 21 —Inch	**8-32**	**9-32**	**10-32**	**Asst'd**
Per dozen	$2.20	2.40	2.60	2.10
	AJE	AAJ	AAE	JIE

Each bit is carefully tested at factory and is fully warranted. Made exact size as listed.

ONE DOZEN IN A BOX. AVERAGE W'T 8 OZ.



German Pattern, Forged Steel, Straw Colored.

No. 30 —Inch	2-32	3-32	4-32	5-32	6-32	7-32
Per dozen	$1.70	1.70	1.70	1.70	1.70	1.70
	JHJ	JHJ	JHJ	JHJ	JHJ	JHJ
No. 30 —Inch	**8-32**	**9-32**	**10-32**	**12-32**	**Asst'd 2 to 8**	
Per dozen	$1.70	1.80	2.00	2.50	1.70	
	JHJ	JHJ	JHJ	JHJ	JHJ	

ONE DOZEN IN A BOX. AVERAGE W'T 12 OZ. PER DOZEN.



German Pattern, Forged Steel, Straw Colored.

No. 25—Inch	2-32	3-32	4-32	5-32	6-32
Per dozen	$1.25	1.25	1.25	1.25	1.25
	JFF	JFF	JFF	JFF	JFF
No. 25—Inch	**7-32**	**8-32**	**9-32**	**10-32**	**Asst'd**
Per dozen	$1.25	1.25	1.35	1.50	1.25
	JFF	JFF	JFF	JFF	JFF

ONE DOZEN IN A BOX. AVERAGE W'T 12 OZ. PER DOZEN.

SCREW DRIVER BITS.



Round Shank, Hammer Forged from Extra Fine Tool Steel, Polished.

No. 17 —One dozen in a box assorted as follows, 1 only 5/16 in., 2 only 3/8 in., 5 only 1/4 in., 4 only 7/32 in., w't per doz. 1 lb. ..... per dozen **AGE** $3.00



Round Shank Hammer Forged Tool Steel, Straw Colored, Extra Quality.

No. 7 —One dozen in a box assorted as follows—3 only 1/2 in., 6 only 3/8 in., 3 only 7/16 in., w't per dozen 3/4 lbs., per dozen ..... **AGJ** $2.70



Round Shank, Cast Steel, Polished, Extra Quality.

No. 127 —One dozen in a box assorted as follows, 6 each 1/4 in. and 5/16 in., w't per doz. 1 lb., per dozen **JFJ** $1.00



Square Shank, Cast Steel Polished, Extra Quality.

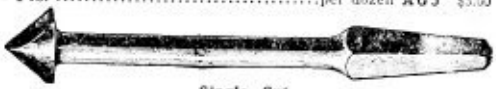
No. 27—One dozen in a box, assorted as follows, 5 only 1/4 in., 5 only 5/16 in., 2 only 3/8 in., w't per dozen 1¼ lbs., per dozen ..... **ACJ** $2.00

COUNTERSINK BITS.



Double Cut.

No. 35 —1/2x3 in., snail head, for wood, hammer forged forged from finest tool steel, straw colored, w't per doz. 1 lb. ..... per dozen **AGJ** $3.00



Single Cut.

No. 32—American, 5/16x4 in., snail head, cast steel, polished, round shank, for wood, w't per doz. 1¼ lbs., per dozen ..... **JIJ** $1.30

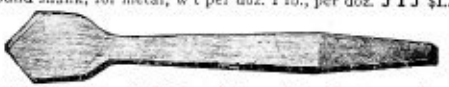


Rose Head, for Metal, Hammer Forged from Finest Tool Steel, Milled Teeth, Straw Colored.

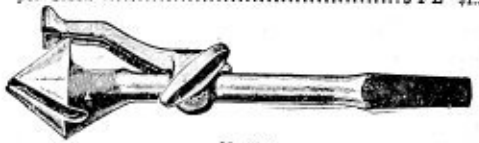
No. 45 —1/2x3¼ in., w't, doz. ¾ lb., per doz. **BAJ** $3..50
No. 45 —3/4x4¼ in., w't, doz. 1½ lbs., per doz. **BEJ** 4.25



No. 30—American, 1/4x3/4 in., rose head, cast steel, polished, round shank, for metal, w't per doz. 1 lb., per doz. **JIJ** $1.30



No. 28—American, 5/16x4½ in., flat, cast steel, straw colored, round shank, for metal, w't per doz. 1 lb., per dozen ..... **JFE** $1.30



No. 20.

WHEELER'S, Cast Steel, Nickel Plated, Size 1x4¼ Inches, Round Shank, For Wood.

No. 18—Without gauge, w't per doz. 1 lb., per doz. **BAE** $3.00
No. 20—With gauge, w't per doz. 1¼ lbs., per doz. **CAJ** 4.50

COUNTERSINK GIMLET BITS.



No. 5 —Sizes.	0	1	2	3	Asst'd 0 to 3
For Screws, in.	1/4	1	1¼	1½	¾ to 1½
Per dozen	$3.00	3.00	3.00	3.00	3.00
	AEE	AEE	AEE	AEE	AEE

ONE DOZEN IN A BOX. AVERAGE W'T 8 OZ. PER DOZEN.



Polished Cast Steel.

No. 12—One dozen in a box, assorted as follows, 3 each sizes 0, 1, 2, 3, for screws ¾ to 1½ in., w't per doz. 12 oz., per dozen ..... **AJJ** $2.50

BITS AND GIMLETS.

REAMER BITS.



Square, Hammer Forged from Finest Tool Steel, Straw Colored.

No. 1 —½ in., w't per doz. 2 lbs., per dozen ..... **BAJ** $3.50
No. 1 —¾ in., w't per doz. 5½ lbs., per dozen ..... **CJJ** $5.00
ONE DOZEN IN A BOX.



No. 342—German, square, cast steel, straw colored, w't per doz. 1¼ lbs. ..... per dozen **JHE** $1.30
ONE DOZEN IN A BOX.



No. 2 —½ in., octagon, hammer forged from finest tool steel, straw colored, w't per doz. 1¾ lbs., per dozen ..... **BAJ** $3.50
ONE DOZEN IN A BOX.



Lightning Taper, Round Shank, Fine Steel, for Bit Brace Use.

No. 345—Inch	¼	⅜	⅜	⅜	½	½
W't per doz., lbs.	½	1	1¼	1¾	2¼	2¼
Each	$0.45	.50	.55	.60	.70	.80
	CB	**CF**	**DJ**	**DC**	**EJ**	**EH**

No. 345—Inch	⅝	¾	¾	⅞	1
W't per doz., lbs.	3½	4½	6	8	10½
Each	$0.90	1.05	1.20	1.60	2.00
	FE	**JGE**	**JHE**	**AAE**	**ADE**

WOOD HEAD GIMLETS.



No. 1 —German Pattern, bit point, hammer forged from best tool steel, oil tempered, cocobolo handle, assorted 4 to 8-32 in., w't per doz. 5 oz., per dozen **AAE** $2.00
ONE DOZEN IN A BOX.

No. 200 —Rosewood handle, sizes assorted, 1 to 4, w't per doz. 10 oz. ..... per dozen **AJJ** $1.70
THREE DOZEN IN A BOX.

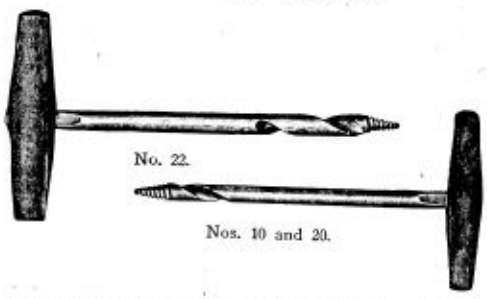


Nos. 2 to 14.

Double Cut.

No. 2—Beech handle, size 2—small, w't per gro. 5 lbs., per gross ..... **FCJ** $7.50
No. 3—Beech handle, size 3—medium, w't per gro. 5 lbs., per gross ..... **FEJ** $8.00
No. 4—Beech handle, size 4—large, w't per gro. 8 lbs., per gross ..... **FFJ** $8.50
No. 14—Beech handle, sizes assorted, 1 to 4, w't per gro. 6 lbs. ..... per gross **FEJ** $8.00
ONE-QUARTER GROSS IN A BOX.

METAL HEAD GIMLETS.



Nos. 10 and 20.

No. 22—Spike, assorted sizes, 2, 3 and 4, small, medium and large, w't per gro. 1b lbs. ..... per gross **GEJ** $9.50
No. 010—Nail, assorted sizes, 1, 2 and 3, small, medium and large, w't per g o, 7 lbs. ..... per gross **CIJ** $4.00
No. 20—Nail, assorted sizes, 2 and 3, medium and large, w't per gro. 8½ lbs ..... per gross **DAJ** $4.50
NO. 22, ONE-QUARTER GROSS; BALANCE, ONE-HALF GROSS IN A BOX.

DRILL CHUCKS AND TWIST DRILLS.

TWIST DRILLS.



Bit Stock, for Metal or Wood, 3/4 x 3/4 x 1 1/4 in. Shank.

No. 8-A —In.	1/16	3/32	1/8	5/32	3/16	7/32
Length, in.	3 1/8	3 1/2	3 7/8	4 1/4	4 5/8	4 7/8
W't per doz., lbs.	3/8	5/8	5/8	11/16	3/4	7/8
Per dozen	$1.50	1.65	2.10	2.60	3.10	3.60
	JEB	JGJ	JGE	JIE	AAJ	ACJ
No. 8-A —In.	1/4	9/32	5/16	11/32	3/8	13/32
Length, in.	5 1/8	5 1/2	5 3/4	5 7/8	6	6 1/4
W't per doz., lbs.	1	1 1/8	1 1/4	1 3/8	1 3/8	1 3/8
Per dozen	$4.10	4.70	5.40	6.30	7.20	8.00
	AEJ	AGJ	AIE	BBE	BFJ	BIJ
No. 8-A —In.	7/16	15/32	1/2	9/16	5/8	3/4
Length, in.	6 1/2	6 13/16	7	7 5/8	8	8
W't per doz., lbs.	2 3/8	2 1/2	2 7/8	3 7/8	4 1/2	6
Per dozen	$8.80	9.60	10.30	14.35	16.15	19.75
	CAE	CDE	JCGJ	JEAE	JEHJ	JGAJ

No. 8-A —In sets of 9, one each 1/16, 3-32, 1/8, 5-32, 3/16, 7-32, 1/4, 5/16 and 3/8 in. ..... per set **AJJ** $2.75



Bit Stock, Syracuse Pattern, for Wood, 3/4 x 3/8 x 1 1/4 In. Shank.

No. 9-A —In.	2	3	4	5	6	7/32
Length, in.	3 1/2	4	4 1/2	5	5 1/2	6
W't per doz., lbs.	1/2	3/4	9/16	3/4	3/4	7/8
Per dozen	$1.60	1.60	1.60	1.75	2.00	2.50
	JIE	JIE	JIE	AJE	ABJ	AEJ
No. 9-A —In.	8	9	10	11	12	13/32
Length, in.	6 1/2	7	7 1/2	7 3/4	8	8 1/4
W't per doz., lbs.	1	1 1/8	1 1/8	1 1/8	1 3/8	1 1/2
Per dozen	$3.00	3.50	3.50	4.00	4.00	4.50
	AHJ	BAJ	BAJ	BDJ	BDJ	BGJ
No. 9-A —In.	14	15	16	18	20/32	
Length, in.	8 1/2	8 1/4	9	9 1/2	9 3/4	
W't per doz., lbs.	2 1/4	2 1/2	2 3/4	3 3/4	4	
Per dozen	$4.50	5.00	5.00	5.50	6.00	
	BGJ	CJJ	CJJ	CJJ	CFJ	

TWIST DRILL BITS.

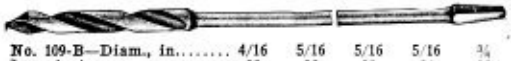


Standard Syracuse Pattern, Bit Stock, for Wood.

No. 109-A—9—Inch	2/32	3/32	4/32	5/32	6/32
W't per doz., lbs.	1/2	1/2	5/8	3/4	3/4
Per dozen	$1.60	1.60	1.60	1.75	2.00
	JIE	JIE	JIE	AJE	ABJ
No. 109-A—9—Inch	7/32	8/32	9/32	10/32	11/32
W't per doz., lbs.	3/4	1 1/8	1 3/8	1 1/2	1 3/4
Per dozen	$2.50	3.00	3.50	3.50	4.00
	AEJ	AHJ	BAJ	BAJ	BDJ
No. 109-A—9—Inch	12/32	13/32	14/32	15/32	16/32
W't per doz., lbs.	2	2 1/4	2 1/2	2 5/8	2 3/4
Per dozen	$4.00	4.50	4.50	5.00	5.00
	BDJ	BGJ	BGJ	CJJ	CJJ

ONE DOZEN IN A BOX.

EXTRA LENGTH WOOD BORING BRACE DRILL BITS.



No. 109-B—Diam., in.	4/16	5/16	5/16	5/16	3/8
Length, in.	18	12	18	24	12
W't per doz., lbs.	2 3/4	2 1/2	3 1/2	4 1/2	2 1/2
Per dozen	$7.00	5.50	7.50	9.50	6.00
	EJE	CIF	EDJ	FHE	DCJ
No. 109-B—Diam., in.	3/8	3/8	10/16	11/16	
Length, in.	18	24	18	18	
W't per doz., lbs.	4 3/4	5 1/4	6	6 1/2	
Per dozen	$8.00	10.00	12.00	13.00	
	EGE	JGBJ	JHFE	JICE	

These drills will go through plastering, brick walls, etc., and can be sharpened when dull.

ONE DOZEN IN A BOX.

TWIST DRILL BITS IN SETS.



Wood Pocket Case, 7/8 x 3 1/2 x 8 3/4 In., Cloth Covered in Imitation Leather.

No. 3-A — For wood, one each 4, 5, 6, 7, 8, 10 and 12-32 in., w't 3/8 lb., per set ..... **AAE** $2.50

No. 5-A —For iron, one each 4, 5, 6, 7, 8, 10 and 12-32 in., w't 1/4 lb., per set ..... **AAJ** $2.50

Standard.

No. 23—For Wood, one each 4, 5, 6, 7, 8, 10 and 12-32 in., w't 1 lb. ..... per set **AAE** $2.50

No. 25—For iron, one each 4, 5, 6, 7, 8, 10 and 12-32 in., w't 1 lb. ..... per set **AAJ** $2.50



ARMSTRONG PACKER RATCHET DRILLS.

Nos.	1	2	3	4
Length, in.	10	12	15	18
Size drill socket, square taper,	1	1	1	2
Length of head, in.	6	6 1/4	7 1/4	9
Feed, in.	2 1/4	2 1/2	3	3 1/2
W't each, lbs.	4	6	8 1/4	12
Each	$4.75	6.00	7.25	8.50
	DBE	EDJ	FEE	GFE

No. 1 socket is 3/8 in. square at small end, 5/8 in. at large end. No. 2 socket is 1/2 in. square at small end, 3/4 in. at large end.

ARMSTRONG RATCHET DRILLS WITH SLEEVE FEED SCREW AND TAPER SOCKET FOR TAPER SHANK DRILLS.

Nos.	1-M	2-M	3-M	4-M
Length, in.	10	12	15	18
Drill socket, in.	2	3	3	4
Takes taper shank drills, in.	29-64 to 29-32	59-64 to 1 1/4	59-64 to 1 1/4	1 17-64 to 2
Length of head, in.	6	6 1/4	7 1/4	9
Feed, in.	2 1/4	2 1/2	3	3 1/2
W't each, lbs.	4 1/4	6	8 1/4	12
Each	$5.75	7.25	9.00	11.25
	EAE	FEE	HAJ	AJAJ

ONE IN A BOX.

DRILL CHUCKS.



No. 7—Star, for post drills, polished, nickel plated steel, knurled sleeve, 4 1/2 x 1 1/2 in. shank, capacity 0 to 1/2 in. round shank drills, w't 1 1/4 lbs., each **BAJ** $3.00

The three steel jaws are carefully adjusted in a socket to keep them in place and are so arranged as to open and close with the loosening or tightening of the chuck upon the spindle.

ONE IN A BOX.

TWIST DRILLS.

BIT STOCK, FOR WOOD OR IRON.



No. 108—109—Inch..	1-16	3-32	1-8	5-32	3-16	7-32
W't per doz., lbs....	½	⅝	1¼	3¼	3⅝	1
Per dozen	$1.50	1.65	2.10	2.60	3.10	3.60
	JED	JFJ	JGE	JIE	AAJ	ACJ

No. 108—109—Inch...	1-4	9-32	5-16	11-32	3-8	13-32
W't per doz., lbs. ...	1½	1⅞	1¼	1⅝	1½	1⅝
Per dozen	$4.10	4.70	5.40	6.30	7.20	8.00
	ADE	AGJ	AIE	BBE	BFJ	BIJ

No. 108—109—Inch ..	7-16	15-32	1-2	9-16	5-8	3-4
W't per doz., lbs. ...	2	2⅛	2½	2⅞	3	3½
Per dozen	$8.80	9.60	10.30	14.35	16.15	19.75
	CAE	CDE	JCGJ	JEAE	JEHJ	JGAJ

ONE DOZEN IN A BOX.

Sets of nine, one each 1-16, 3-32, ⅛, 5-32, 3-16, 7-32, ¼, 5-16 and ⅜ in., w't per set 2½ lbs.....per set **AJJ** $2.75

STUBBS' STEEL WIRE GAUGE, STRAIGHT SHANK.



No. 107—Gauge	1to5	6to10	11to15	16to20	21to25	26to30
Length, in.	4	3¾	3½	3¼	3⅛	2¾
Per dozen	$2.35	2.25	2.10	1.95	1.75	1.55
	JIJ	JHE	JHJ	JGE	JFE	JFJ

No. 107—Gauge	31to35	36to40	41to45	46to60	61to65
Length, in.	2⅝	2½	2¼	2 to 1¾	1½
Per dozen	$1.40	1.25	1.10	.95	.90
	JEE	JEJ	JDJ	CE	CC

No. 9—Mounted sets, 30 drills, alternate sizes, from 1 to 59 gauge, w't per set 2 lbs. .....per set **AFJ** $4.30

No. 8—Mounted sets, 60 drills, all sizes from 1 to 60 gauge, w't per set 2½ lbs. .....per set **CJE** $8.10

No. 7—Mounted sets, 65 drills, all sizes from 1 to 60 gauge and ¼, 9-32, 5-16, 11-32 and ⅜ in., w't per set 2½ lbs., per set .....**CGE** $9.90

PATENT INCREASE, STRAIGHT SHANK.



No. 104-B—104—Inch	17-32	9-16	5-8	11-16	3-4	13-16
Length, in.	8	8¼	8½	9¼	9½	10
Each	$1.10	1.20	1.40	1.60	1.85	2.15
	JDB	JDF	JEE	JFJ	JGJ	JHJ

No. 104-B—104—Inch	7-8	15-16	1
Length, in.	10¼	10½	11
Each	$2.45	2.75	3.00
	JIE	AJE	AAE

JOBBERS' AND MACHINISTS', STRAIGHT SHANK.



No. 105—Inch	1-16	5-64	3-32	7-64	1-8	9-64
Length, in.	2½	2⅝	2¾	2⅞	3	3⅛
W't per doz., lbs....	1/16	⅛	⅛	⅛	⅛	⅛
Per dozen	$1.00	1.10	1.20	1.30	1.45	1.60
	JCH	JDB	JDF	JDI	JEE	JFJ

No. 105—Inch	5-32	11-64	3-16	13-64	7-32	15-64
Length, in.	3¼	3⅜	3½	3⅝	3¾	3⅞
W't per doz., lbs....	⅛	⅛	⅛	⅛	⅛	⅛
Per dozen	$1.80	2.00	2.20	2.40	2.65	2.90
	JGJ	JGE	JHE	JIJ	AJJ	AAJ

No. 105—Inch	1-4	17-64	9-32	19-64	5-16	21-64
Length, in.	4	4⅛	4¼	4⅜	4½	4⅝
W't per doz., lbs.	5/16	⅜	7/16	½	½	9/16
Per dozen	$3.15	3.40	3.65	3.90	4.20	4.50
	ABJ	ACJ	ADJ	ADE	AFJ	AGJ

No. 105—Inch	11-32	23-64	3-8	25-64	13-32	27-64
Length, in.	4¾	4⅞	5	5⅛	5¼	5⅜
W't per doz., lbs....	1¾	1⅞	1½	1⅝	1¾	1⅞
Per dozen	$4.80	5.10	5.40	5.70	6.00	6.40
	AHJ	AIE	BJE	BAE	BBE	BDJ

No. 105—Inch	7-16	29-64	15-32	31-64	1-2
Length, in.	5½	5⅝	5¾	5⅞	6
W't per doz., lbs.	2	2¼	2½	2⅝	3
Per dozen	$6.80	7.20	7.50	7.75	8.00
	BEE	BGJ	BHE	BIE	CJJ

No. 6—Mounted sets, 15 drills, alternate sizes from 1/16 to ½ in., w't per set 2 lbs. .....per set **BJD** $5.40

No. 5—Mounted sets, 29 drills, all sizes from 1/16 to ½ in., w't per set 3 lbs. .....per set **JCHJ** $10.00

No. 18—Sets of nine, one each 1/16 to 5/16 in. inclusive, w't per set 2 lbs. .....per set **JDE** $1.20

For use in hand or breast drills which take round shank drills.

TAPER SHANK, PATENT INCREASE.



No. 104—102—Inch..	1-4	9-32	5-16	11-32	3-8	13-32
Length, in.	6¼	6¼	6¼	6¼	6¼	7
Each	$0.60	.65	.70	.75	.80	.85
	BC	BD	BF	BI	CJ	CB

No. 104—102—Inch..	7-16	15-32	1-2	17-32	9-16	19-32
Length, in.	7¼	7½	7¾	8	8¼	8½
Each	$0.90	.95	1.00	1.10	1.20	1.30
	CD	CF	JCH	JDE	JDF	JDI

No. 104—102—Inch..	5-8	21-32	11-16	23-32	3-4	25-32
Length, in.	8¾	9	9¼	9½	9¾	9¾
Each	$1.40	1.50	1.60	1.70	1.85	2.00
	JEE	JEE	JFJ	JFE	JGJ	JGE

No. 104—102—Iich..	13-16	27-32	7-8	29-32	15-16	31-32
Length, in.	10	10¼	10½	10⅝	10¾	10⅞
Each	$2.15	2.30	2.45	2.60	2.75	2.90
	JHJ	JHE	JIJ	AJJ	AJE	AAJ

No. 104—102—Inches	1	1 1-16	1 1-8	1 3-16	1 1-4	1 5-16
Length, in.	11	11¼	11½	12	12½	14¼
Each	$3.00	3.40	3.80	4.20	4.50	4.80
	AAE	ACJ	ADE	AFJ	AGJ	AHJ

No. 104—102—Inches	1 3-8	1 7-16	1 1-2
Length, in.	14½	14¼	15
Each	$5.20	5.60	6.00
	AIE	BAJ	BBE

TWIST DRILLS.

BLACKSMITHS'.



For Nos. 1 and 2 Prentice Drill Presses, Shanks 2½ Inches Long, ½ Inch in Diameter.

No. 112—In.	1-8	5-32	3-16	7-32	1-4	9-32	5-16	11-32	3-8
Length, in.	4⅞	5⅛	5½	6	6	6	6	6	6
Each	$0.45	.45	.50	.55	.60	.65	.70	.75	.75
	AG	AG	AI	BJ	BC	BD	BF	BH	BI

No. 112—Inches	13-32	7-16	15-32	1-2	17-32	9-16	19-32
Length, in.	6	6	6	6	6	6	6
Each	$0.78	.80	.83	.85	.88	.90	.95
	CJ	CJ	CA	CB	CD	CD	CF

No. 112—In.	5-8	21-32	11-16	23-32	3-4	7-8	1
Length, in.	6	6	6	6	6	6	6
Each	$1.05	1.10	1.15	1.20	1.25	1.45	1.80
	JDA	JDB	JDC	JDF	JDH	JEE	JGJ

BLACKSMITHS'.



For Coe's and No. 3 Prentice Drill Presses, Shanks 2¼ Inches Long, 41-64 Inch in Diameter.

No. 110—Diam., in.	1-8	5-32	3-16	7-32	1-4	9-32
Length, in.	4⅞	5⅛	6	6	6	6
Each	$0.55	.58	.60	.65	.70	.73
	BJ	BB	BC	BD	BF	BH

No. 110—Diam., in.	5-16	11-32	3-8	13-32	7-16	15-32
Length, in.	6	6	6	6	6	6
Each	$0.75	.80	.85	.88	.90	.93
	BI	CJ	CB	CD	CD	CE

No. 110—Diam., in.	1-2	17-32	9-16	19-32	5-8	21-32
Length, in.	6	6	6	6	6	6
Each	$0.95	.98	1.00	1.03	1.05	1.10
	CF	CG	JCH	JDJ	JDA	JDB

No. 110—Diam., in.	11-16	3-4	13-16	7-8	15-16	1
Length, in.	6	6	6	6	6	6
Each	$1.15	1.25	1.35	1.45	1.60	1.80
	JDC	JDH	JEA	JEE	JFJ	JFH

TAPS.

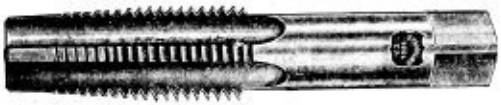
MACHINISTS' HAND TAPER.



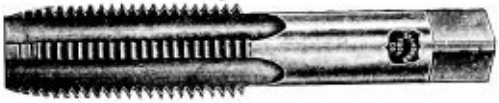
V Threads.

1-8 in., 40 threads, right hand, w't ¼ lb.....each **AD** $0.35
3-16 in., 32 threads, right hand, w't ½ lb.....each **AD** .35

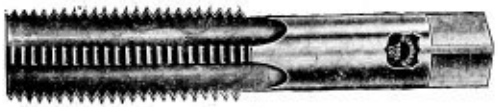
MACHINISTS' HAND.



Taper.



Plug.



Bottoming.

Right Hand.

Diameter, inches	1-4	5-16	3-8	7-16	1-2
Threads to inch	20	18	16	14	12
W't, oz.	½	⅝	¾	1⅛	1¾
Each	$0.45	.50	.55	.60	.70
	AI	BJ	BC	BE	BI
Per set	1.35	1.50	1.65	1.80	2.10
	JEE	JFE	JGJ	JHJ	JIJ

Diameter, inches	9-16	5-8	3-4	7-8	1
Threads to inch	12	11	10	9	8
W't, oz.	2¼	3	5	7½	10
Each	$0.80	.90	1.20	1.60	2.00
	CD	CH	JEJ	JFE	JHE
Per set	2.40	2.70	3.60	4.80	6.00
	AJJ	AAE	AEJ	BJJ	BEJ

When ordering state whether single or set is wanted.

MACHINE SCREW.



No. of gauge	1½	2	3	4	5	6
Threads to inch	56	56	48	36	36	32
Each	$0.35	.35	.35	.35	.35	.35
	AA	AA	AA	AA	AA	AA

No. of gauge	8	10	12	14	16	18
Threads to inch	32	24, 32	24	20, 24	18	18
Each	$0.35	.35	.35	.38	.38	.38
	AA	AA	AA	AB	AB	AB

All the above numbers weigh less than an ounce.

BLACKSMITHS' TAPER.



1-4 in., 20 thread right hand.....each **AD** $0.30
5-16 in., 18 thread right hand.....each **AD** .30
3-8 in., 16 thread right hand.....each **AG** .35
7-16 in., 14 thread right hand.....each **AI** .40
1-2 in., 12, 14 thread right hand.....each **AI** .40
5-8 in., 12, 14 thread right hand.....each **BD** .50

Specify size thread when ordering.

RIGHT HAND, SIX IN A BOX; LEFT HAND, FOUR IN A BOX.

STOVE BOLT.



3-16 in., 24 threads, w't ½ oz.....each **AA** $0.35
1-4 in., 18 threads, w't ¾ oz.....each **AB** .38
5-16 in., 18 threads, w't 1 oz.....each **AB** .38

STOCKS AND DIES, TAP WRENCHES.

STOCKS AND DIES.



With Set Screw at End.

No. 21—3 sets of dies, 4 taps, one each 5/16x12, 3/8x12, 1x9 right hand, 1x9 left hand, w't 10 lbs. .....per set **CFJ** $6.00
No. 23—3 sets of dies, 3 taps, one each 1/2x14, 3/4x10, 1x9 right hand, w't 8½ lbs. .....per set **CJJ** $5.00
No. 34—3 sets of dies, 3 taps, one each 7/16x16, 1/2x12, 3/4x10 right hand, w't 5 lbs. .....per set **DGJ** $4.50
No. 37B—3 sets of dies, 6 taps, one each 1/4x18, 1/4x18, 3/8x16, 7/16x16, 1/2x14 and 5/8x14 right hand, w't 3½ lbs., per set .....**BEE** $4.25
No. 37—3 sets of dies, 6 taps, one each 1/4x22, 1/4x22, 3/8x18, 7/16x18, 1/2x14, 5/8x14 right hand, w't 4 lbs., per set **BEE** $4.25
No. 37A—3 sets of dies, 6 taps, one each 1/4x16, 1/4x16, 3/8x14, 7/16x14, 1/2x12, 5/8x12, w't 3½ lbs. .....per set **BEE** $4.25
No. 41—3 sets of dies, 6 taps, one each 1/4x26, 1/4x26, 1/4x20, 1/4x20, 1/4x16, 1/2x16 right hand, w't 2 lbs., per set .....**AIE** $3.25
No. 42—3 sets of dies, 6 taps, one each 1/4x20, 1/4x20, 1/4x14 right hand, 1/4x14, 1/2x14 left hand, w't 2½ lbs., per set .....**BAJ** $3.50
No. 43—3 sets of dies, 4 taps, one each 1/4x26, 1/4x20, 1/4x16, 1/2x16 right hand, w't 2 lbs. .....per set **AHJ** $3.00
No. 53—4 sets of dies, 4 taps, one each 1/4x32, 1/4x24, 1/4x20, 1/4x16 right hand, w't 1 lb. .....per set **AFE** $2.75



With Set Screw at Side, Standard Butt Sizes.

No. 51E—6 pairs of dies and 6 taps, one each 1/4x24, 1/4x20, 1/4x18, 3/8x16, 1/4x14, 1/2x13, w't 3 lbs., per set **DGJ** $6.50
No. 27E—5 pairs of dies and 5 taps, one each 1/4x20, 3/8x16, 5/16x13, 5/16x11, 3/4x10, w't 6 lbs. .....per set **EDJ** $7.50

ONE SET IN A WOOD BOX.

PIPE STOCKS AND DIES.



No. 0—Complete with right hand dies, for pipe 1/8, 1/4, 3/8 and 1/2 in., w't 5½ lbs. .....per set **BGJ** $9.50

Reed's, Complete with Right Hand Dies.

No. 1—For pipe, 1/4, 3/8, 1/2, 3/4 and 1 in., w't 13¼ lbs., per set .....**JCBJ** $15.00
No. 1½—For pipe 3/4, 1 and 1¼ in., w't 20 lbs., per set .....**JBIJ** 13.50

All Reed stocks are made of malleable iron, all parts interchangeable, bushings are all machined, handles polished, and the ends carefully rounded.

No. 2—Reed, complete with right hand dies for pipe 1¼, 1½ and 2 in., w't 27 lbs.....per set **JDHE** $20.00

This style furnished with lead screw, which can be used in threading pipe from one inch to two inches, inclusive. Pipe ¾ inch or less does not require a lead screw as the threads differ in pitch.

ONE SET IN A BOX.

TAP WRENCHES.

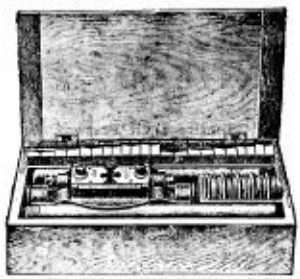


For Hand Taps, Hardened and Tempered Jaws, Ground and Polished Knurled Chuck.

Nos.	07	6	5
For taps	0 to 14	1/4 to 3/8	5 to 16
W't per doz., lbs.	2½	5	3
Per dozen	$6.00	9.00	7.50
	CFJ	**EDJ**	**DAJ**

ONE-HALF DOZEN IN A CARTON.

PIPE STOCKS AND DIES.



No. 2-A—Reed's, adjustable, with right hand dies for pipe 1/8, 1/4, 3/8, 1/2, 3/4 and 1 in., w't 18 lbs. .....per set **JCCJ** $12.00

ONE SET IN A FINISHED HARDWOOD CASE.



Reed's, Complete with Right Hand Dies.

No. 3-A—For pipe 1¼, 1½ and 2 in., w't 39 lbs., per set .....**JEDJ** $20.00
No. 2½-A—For pipe 1/2, 3/4, 1 and 1¼ in., w't 19 lbs., per set .....**JCCJ** $12.00

ONE SET IN SHIPPING CASE.

PIPE DIES.



No. 11—Diam. 2⅜ in., for No. 1 pipe stock and dies 3/4, 3/8, 1/2, 3/4 and 1 in., w't 1 lb., each .....**JEE** $2.00
No. 11½—Diam. 3 in., for No. 1½ pipe stocks and dies 3/4, 1 and 1¼ in., w't 1½ lbs. .....each **JGJ** $2.50
No. 12—Diam. 3⅞ in., for No. 2 pipe stock and dies 1¼, 1½ and 2 in., w't 2½ lbs. .....**JIE** $3.50

STOCK AND DIES.



Oster Bull Dog Self-Locking and Adjustable Pipe Dies.

No. 82—One set double end dies for threading 1/4, 3/8, 1/2 and 3/4 in. pipe, w't per set 10 lbs. .....per set **JGHJ** $13.00
No. 102—Three sets dies for threading 3/4, 3/8, 1/2, 3/4, 1 and 1¼ in. pipe, w't per set 20 lbs. .....per set **AJBJ** $17.00
No. 103—Two sets dies for threading 1, 1¼, 1½ and 2 in. pipe, w't per set 27 lbs. .....per set **ACBJ** $22.00
No. 104—Three sets dies for threading 1/2, 3/4, 1, 1¼, 1½ and 2 in. pipe, w't per set 29 lbs. .....per set **AEJJ** $25.00
No. 104½—Four sets dies for threading 1/4, 3/8, 1/2, 3/4, 1, 1¼, 1½ and 2 in. pipe, w't per set 30 lbs. .....per set **AFHJ** $28.00
No. 105—Two sets dies for threading 1½, 2, 2½ and 3 in. pipe, w't per set 62 lbs. .....per set **BDJJ** $40.00

One movement of the top lever will open or close the dies. No resetting or backing off of threads. Equipped with self-locking and centering guides which do away with loose bushings. These guides, operated on a scroll, can be set to all sizes the tool will thread. The more pressure on the end of guides, the more solid the locking arrangement.

SCREW PLATES, STOCKS AND DIES, PIPE TAPS AND REAMERS.

STOCK AND DIES.



No. 900.

No. 900—Pump Makers', 15 in. stock with one each 1⅛x14, and one ⅞x12 die, w't each 1¼ lbs.....per set **BAJ** $3.00

No. 901—Pump Makers', 18 in. stock with one each 1⅛x14, ⅞x12 and ½x12 die, w't each 2¼ lbs.....per set **CFJ** $5.25



Toledo Adjustable.

No. 0T—Contains 24 in. stock and 3 sets R. H. dies for threading ⅜, ¼, ⅜, ½, ¾ in. pipe, w't per set 10 lbs., per set .....**AJEE** $16.00

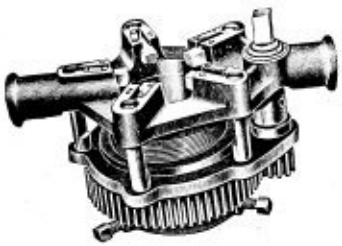


No. 1T—Contains stock and 4 sets R. H. dies for threading 1, 1¼, 1½ and 2 in. pipe, w't per set 25 lbs., per set .....**ADDJ** $24.00

One man can easily thread a 2 in. pipe with this tool.

No. 1A—Contains stock and four sets R. H. dies for threading 1, 1¼, 1½ and 2 in. pipe, w't per set 30 lbs., per set .....**AHJJ** $30.00

This tool is like No. 1T, except that it has a ratchet. It may be used with two handles as an ordinary die stock or with one handle inserted in the ratchet case. Desirable for threading pipe down in a trench or against walls, etc. A boy can thread a 2 in. pipe with it.



No. 2T—Capacity 2½ in. to 4 in. pipe inclusive, complete with dies, ratchet and driving cross, w't per set 100 lbs., per set★ .....**FJJJ** $100.00

This tool is light and compact. It is very easy to operate. No. 2T is factory shipment only.

PIPE TAPS.



Size	⅛	¼	⅜	½	¾
W't, oz.	1½	2⅛	3½	7¼	12½
Each	$1.12	1.25	1.50	1.87	2.50
	JBJ	**JBC**	**JBH**	**JCD**	**JDF**

Size	1	1¼	1½	2
W't, oz.	20¾	30½	47	65
Each	$3.12	3.75	4.62	6.25
	JEE	**JFE**	**JHE**	**AAE**

PIPE REAMERS.



Size	⅛	¼	⅜	½	¾
W't, oz.	1⅛	2⅛	3⅛	6⅞	12
Each	$1.12	1.25	1.50	1.87	2.50
	JBJ	**JBC**	**JBH**	**JCD**	**JDF**

Size	1	1¼	1½	2
W't, oz.	20	29	45	62
Each	$3.12	3.75	4.62	6.25
	JEE	**JFE**	**JHE**	**AAE**

OPENING DIE SCREW PLATES.



No. 11—26 in. stock, Adjustable Tap Wrench and 5 sizes taper taps, dies and collets cutting ¼x20, ⅜x18, ⅜x16, ½x14 and ½x12 V thread, 1/32 over size, w't per set 11 lbs., per set .....**JIHE** $12.00

No. 22—26 in. stock, Adjustable Tap Wrench and 5 sizes taper taps, dies and collets cutting ¼x20, ⅜x16, ½x12, ⅝x11 and ¾x10 V thread, 1/32 over size, w't per set 18 lbs., per set .....**AAAJ** $13.50

No. 55—26 in. stock, Adjustable Tap Wrench and 7 sizes taper taps, dies and collets cutting ¼x20, ⅜x18, ⅜x16, ½x14, ½x12, ⅝x11 and ¾x10 V thread, 1/32 over size, w't per set 55 lbs.....per set **ACAJ** $16.00

No. 77—26 in. stock, Adjustable Tap Wrench and 9 sizes taper taps, dies and collets cutting ¼x20, ⅜x18, ⅜x16, ½x14, ½x12, ⅝x11, ¾x10, ⅞x9 and 1x8 V thread, 1/32 over size, w't per per set 23 lbs. .....per set **BJGE** $25.50

Special attention is called to the opening dies, which are opened or closed by a single movement of lever on side of stock. After thread has been cut a movement of the lever throws the dies open so that the entire tool may be quickly lifted off, thus wasting no time in turning back over finished work. Prevents the marring or stripping of thread caused by chips and also increases the life of die.

EACH SET IN A HANDSOME HARD WOOD CASE.

SCREW PLATES.

WILEY & RUSSELL'S.



No. 152.

LIGHTNING, Oiled Hardwood Case.

No. 150—With stock, tap wrench—fitting in stock—and 5 sizes taps, dies and guides, sizes 1/8x40, 5-32x32, 3/16x24, 7-32x24 and 1/4x20, stock 6 in. long, diameter of dies 7/8 in., w't per set 1½ lbs.....per set **DBE** $5.50

No. 152—With stock, tap wrench—fitting in stock—and 7 sizes taps, dies and guides, sizes 7-64x56, 1/8x40, 9-64x40, 5-32x32, 3/16x24, 7-32x24 and 1/4x20, stock 6 in. long, diameter of dies 7/8 in., w't per set 1¾ lbs.....per set **EDE** $7.00

No. F3—For stove bolts, with 9 in. stock, 8½ in. tap wrench, 3 taper taps, 3 dies, cutting 3/16x24, 1/4x18, 5/16x18, for stove bolts, w't per set 1¾ lbs.....per set **DEJ** $6.25



GREEN RIVER, Oiled, Hardwood Case.

No. 1124—With stock, adjustable tap wrench and 5 sizes taps, dies and guides, sizes 1/4x20, 5/16x16, 1/2x12, 5/8x11, 3/4x10, stock 22 in. long, diameter of dies 2⅛ in., w't per set 14 lbs.....per set **JHGE** $11.25

No. 1104—With stock, adjustable tap wrench and 7 sizes taps, dies and guides, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11 and 3/4x10, stock 22 in. long, diameter of dies 2⅛ in., w't per set 16 lbs.....per set **AJIJ** $14.00

No. 1112—With stock, adjustable tap wrench and 9 sizes taps, dies and guides, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11, 3/4x10, 7/8x9, 1x8, stock 29 in., long, diameter of dies 2¼ in., w't per set 29 lbs.....per set **AHGJ** $24.00

The simplicity and durability of these screw plates make them particularly attractive. They do the work in a single cut. The die is adjustable for wear and to make bolts or nuts fit tightly or loosely as may be desired.



LIGHTNING, Full Mounted, a Stock to each Die, Oiled Hardwood Case, Stocks Case-Hardened and Gunlock Finished.

No. 1217—With stock to each die, adjustable tap wrench and 6 sizes taps, dies, and stocks, sizes 3/16x24, 1/4x20, 5/16x18, 3/8x16, 7/16x14 and 1/2x12, w't per set 16 lbs., per set.....**JIIE** $12.75

No. 1223—With stock to each die, adjustable tap wrench and 7 sizes taps, dies and stocks, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11 and 3/4x10, w't per set 24 lbs., per set.....**ACBJ** $17.00

No. 1229—With stock to each die, adjustable tap wrench and 9 sizes taps, dies and stocks, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11, 3/4x10, 7/8x9 and 1x8, w't per set 43 lbs.....per set **BADE** $27.50

Instead of having but a single stock to a set of several dies, each die is furnished complete with its own stock of suitable size and weight. All dies in set can be used at the same time. Handles are of best drawn bicycle tubing, capped and knurled.

WILEY & RUSSELL'S.



LIGHTNING, Oiled Hardwood Case.

No. 1193—With stock, adjustable tap wrench, and 7 sizes taps, dies and collets, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11 and 3/4x10, stock 23 in. long, diameter of collets 2¼ in., w't per set 18 lbs.....per set **AAHE** $15.25

No. 1197—With stock, adjustable tap wrench and 7 sizes taps, dies and collets, sizes 3/8x16, 7/16x14, 1/2x12, 5/8x11, 3/4x10, 7/8x9 and 1x8, stock 23 in. long, diameter of collets 2¼ in., w't per set 23 lbs.....per set **AFCE** $21.00

No. 1199—With stock, adjustable tap wrench and 9 sizes taps, dies and collets, sizes 1/4x20, 5/16x18, 3/8x16, 7/16x14, 1/2x12, 5/8x11, 3/4x10, 7/8x9 and 1x8, stock 29 in. long, diameter of collet 2¼ in., w't per set 25 lbs.....per set **AHIJ** $24.25



GREEN RIVER, for Automobile Use, Oiled Hardwood Case.

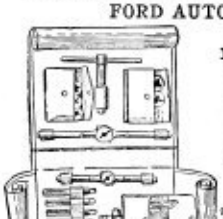
No. 1460—With stock, adjustable tap wrench and 5 sizes taps, dies and guides, sizes 3/4x28, 7/8x24, 3/4x24, 7/8x20, 1/2x20, stock 18 in. long, w't per set 11 lbs.....per set **JHDJ** $10.75

No. 1462—With stock, adjustable tap wrench and 11 sizes taps, dies and guides, sizes 3/4x28, 7/8x24, 3/4x24, 7/8x20, 1/2x20, 9/16x18, 5/8x18, 11/16x16, 3/4x16, 7/8x14 and 1x14, stock 22 in. long, w't per set 22 lbs.....per set **BAJE** $27.00



No. 1470—Automobile, with stock and 7 sizes round adjustable dies and plug taps, sizes 3/4x28, 7/8x24, 3/4x24, 7/8x20, 1/2x20, 9/16x18 and 5/8x18, A. L. M. A. standard, complete in handsome leather roll, w't 3½ lbs.....per set **JIFJ** $13.50

FORD AUTOMOBILE SPECIAL.



No. 2500—Contains one 6½ in., one 9 in. stock, and two tap wrenches, 16 dies and taps, sizes 6-32, 10-24 and 32, 12-24, 14-24, 7/32-32, 1/4-20, 5/16-18 and 24, 3/8-16 and 24, 13/32-16, 7/16-14 and 20, 1/2-20, also 1/8 in. pipe, complete in leather case, w't per set 3¼ lbs.....per set **ACJJ** $18.50

This set is arranged with special reference to screw threads on Ford Model T. It is also peculiarly adapted to a great variety of cars.

SCREW PLATES.



Sectional View of Die and Collet.

These taps and dies make perfect threads at one cut. The claim for the adjustable die is its solidity, the impossibility of stripping of threads, its perfect adjustment, its simplicity, durability and strength, doing away with all taper-pointed and cup-headed screws, common in many makes of dies. V threads 1-32 in. over size always furnished unless otherwise specified. V threads exact sizes, U. S. S. and Whitworth threads furnished at same price from factory.



Split Die.



"Little Giant," Round Adjustable Dies, ¾ Inch in Diameter, with Stock, Adjustable Tap Wrench and Screw Driver.

No. D5—5 taps, 5 dies, cutting 4-32, 6-32, 8-32, 10-24, 12-24, w't per set 1½ lbs.....per set **CFJ** $5.00

No. DD5—5 taps, 5 dies, cutting ⅛-40, 5/32-32, ¼-24, 7/32-24, ⅝-20, w't per set 1½ lbs.....per set **CFJ** $5.00

No. D6—6 taps, 6 dies, cutting 4-36, 6-32, 8-32, 10-24, 12-24, 14-20, w't per set 1½ lbs.....per set **DAE** $5.75

No. DD-6—6 taps, 6 dies, cutting ⅛-40, 5/32-32, ¾-24, 7/32-24, ⅝-20, 9/32-20, w't per set 1½ lbs.....per set **DAE** $5.75

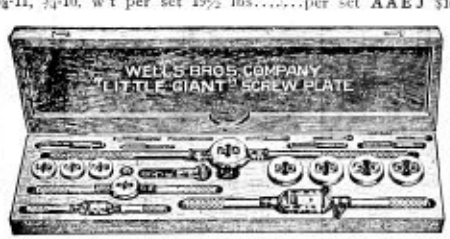
The dies in Nos. D5 and D6, are machine screw thread.



No. 01—"Little Giant," 14½ in. stock, 5 taper taps, 5 dies, 2 in. collets, 10½ in. adjustable tap wrench, cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, w't per set 7½ lbs., per set .....**JHFE** $12.00

"Little Giant," 23 in. Stock, Taper Taps, Dies, 15 in. Adjustable Tap Wrench, 2¾ in. Collets,

No. 5—7 taps, 7 dies, cuting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, w't per set 19½ lbs.....per set **AAEJ** $16.00



No. 8—"Little Giant," one 14½ in. stock, one 26 in. stock, 15 in. adjustable tap wrench, 7 taper taps, 7 dies, cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, w't per set 19 lbs. per set.....**ABIE** $18.00

Collets for four smaller sizes 2 in. in diameter, for larger sizes 2¾ in. in diameter.

No. 9—"Little Giant," one 14 in. stock, one 29 in. stock, one 10½ in. and one 20 in. adjustable tap wrench, 9 taper taps, 9 dies, cuting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8, w't per set 27 lbs., per set.....**AIHJ** $27.50

Collets for four smaller sizes 2 in. in diameter, for larger sizes 2¾ in. in diameter.

FULL STOCKED.



"Little Giant," Stock for Each Size Die, Taper Taps, Dies.

No. 61—10½ in. adjustable tap wrench, 5 taps, 5 dies, cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, w't per set 13½ lbs., per set .....**JHFE** $12.00

No. 65—15 in. adjustable tap wrench, 7 taps, 7 dies, cutting ¼-20, ⅜-18, ⅜-16, ½-14, ½-12, ⅝-11, ¾-10, w't per set 25 lbs., per set.....**ABIE** $18.00

CHAMPION EASY SCREW PLATE.



No. 1-B—15½ in. stock, adjustable tap wrench, 5 taper taps and dies, cuts ¼x20, ⅜x18, ⅜x16, ½x14 and ½x12, w't per set 8 lbs., per set .....**GJJ** $9.75

No. 1B and 2B.

No. 2B—Two stocks, 15½ and 23 in. long, adjustable tap wrench, 5 taper taps and dies, cuts ¼x20, ⅜x16, ½x12, ⅝x11 and ¾x10, w't per set 14 lbs., per set...**JHJE** $11.10



No. 5B—Two stocks, 15½ and 23 in. long, adjustable tap wrench, 7 taper taps and dies, cuts ¼x20, ⅜x18, ⅜x16, ½x14, ⅝x12, ⅝x11 and ¾x10, w't per set 16 lbs., per set .....**JICE** $13.00



No. 7B—Two stocks, 15½ and 26 in. long, adjustable tap wrench, 6 taps and dies, cuts ¼x20, ⅜x18, ⅜x16, ½x14, ⅝x12, ⅝x11, ¾x10, ⅞x9 and 1x8, w't per set 20 lbs., per set .....**AECJ** $21.15

Simple in construction, neat in design. Die adjusted by use of taper head screw with taper nut, thus being braced on both sides of die making it rigid and solid. Well made and guaranteed.

BIT BRACES.

BALL BEARING RATCHET.

Nickel Plated, Ball Bearing, Metal Clad Cocobola Head and Handle, Adjustable Handle Collars, Spindle and Chuck Body Made from One Piece of Steel.



Universal Jaws Holding Square, Taper or Round Shank Drills Up to ½ in. Diameter, Ball Bearing Chuck Sleeve with Case Hardened Hood.

No. 1914 —		
Sweep, in.	**8**	**10**
W't per doz., lbs	40	42
Per dozen	$48.00	52.00
	BCBJ	**BDHJ**
Sweep, in.	**12**	**14**
W't per doz., lbs.	45	48
Per dozen	$56.00	60.00
	BFCE	**BGIJ**

Extra Jaws .....per dozen **CFJ** $7.20



Alligator Pattern Toothed Forged Steel Jaws, Anti-Friction Washer, Knurled Thimble Ratchet Adjustment and Swell-End Chuck.

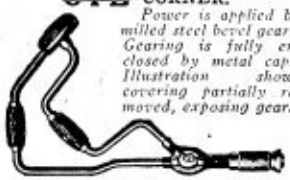
No. 1908 —			
Sweep, in.	**6**	**8**	**10**
W't, doz., lbs.	33	35	38
Per dozen	$22.00	24.00	26.00
	AIBJ	**AIBJ**	**BJGJ**

No. 1908 —		
Sweep in.	**13**	**14**
W't per doz., lbs.	41	43
Per dozen	$28.00	30.00
	BBBJ	**BDJJ**

Extra Jaws .....per dozen **CFJ** $7.20

braces are well fitted and nicely finished and run with exceptional ease. They are first class in every particular and will not fail to please the most discriminating mechanic.

CORNER.



Power is applied by milled steel bevel gears. Gearing is fully enclosed by metal caps. Illustration shows covering partially removed, exposing gears.

No. 55 —8 in. sweep, nickel plated steel frame, sweep and chuck, metal clad cocobola head, cocobola handle, drop forged steel jaws, length 18½ in., w't per doz. 48 lbs., per dozen .....**CFJJ** $60.00

10 in., w't per doz. 52 lbs., per dozen .....**CHGE** $64.60

ONE-SIXTH DOZEN IN A BOX.

REVONOC SPECIAL RATCHET.



Nickel plated Steel Shank, Extra Knurled Steel Sleeve, Metal Clad Cocobolo Head and Handle, Forged Steel Jaws, Anti-Friction Washer Above Chuck.

Nos.	**33**	**32**	**31**
Sweep, in.	8	10	12
W't, doz., lbs.	27	31½	33
Per dozen	$21.00	24.00	27.00
	ADGJ	**AEFJ**	**AFEJ**

Extra Jaws .....per dozen **BJE** $4.80

ONE-HALF DOZEN IN A BOX.

REVONOC PLAIN.



Nickel Plated Steel Shank, and Sleeve, Stained Head and Handle, Steel Jaws.

Nos.	**206**	**208**	**210**	**212**
Sweep, in.	6	8	10	12
W't, doz., lbs.	20	21	23	26
Per doz.	$11.00	12.00	13.00	14.00
	JFBJ	**JFEJ**	**JFHJ**	**JGBJ**

Extra Jaws .....per dozen **ADJ** $3.60

ONE-HALF DOZEN IN A BOX.

Polished Steel Shank and Sleeve, Stained Head, Cherry Stained Handle, Steel Jaws.

Nos.	**2308**	**2310**	**2312**
Sweep, in.	8	10	12
W't, doz., lbs.	22	24½	28
Per dozen	$10.50	11.50	12.50
	JEDJ	**JFJJ**	**JFFJ**

Extra Jaws .....per dozen **ADE** $3.60

ONE-HALF DOZEN IN A BOX.

REVONOC RATCHET



Nickel Plated Steel Shank and Sleeve, Stained Head and Handle, Steel Jaws.

Nos.	**1006**	**1008**	**1010**	**1012**
Sweep, in.	6	8	10	12
W't, doz., lbs.	22	27	29	33
Per doz.	$21.00	22.50	23.75	25.00
	JIDJ	**JIFJ**	**JIIJ**	**AJCJ**

Extra Jaws .....per dozen **ADJ** $3.60

ONE-HALF DOZEN IN A BOX.

Polished Steel Shank and Sleeve, Stained Head, Cherry Stained Handle, Steel Jaws.

Nos.	**2610**	**2612**	**2614**
Sweep, in.	10	12	14
W't, doz., lbs.	27½	31	33
Per dozen	$19.50	21.00	24.00
	JIJJ	**JIFJ**	**AJBJ**

Extra Jaws .....per dozen **ADJ** $3.60

ONE-HALF DOZEN IN A BOX.

STANLEY'S BALL BEARING RATCHET.



Nickel Plated Steel Shank and Sleeve, Metal Clad Cocobolo Ball Bearing Head, Cocobolo Handle, Forged Steel Alligator Jaws, Concealed Ratchet.

No. 921—			
Sweep, in.	**6**	**8**	**10**
W't, doz., lbs.	31½	33	37
Per dozen	$33.00	36.00	39.00
	AGAE	**AHFE**	**BJBJ**

No. 921—Sweep, in.	**12**	**14**
W't per doz., lbs.	40	42
Per dozen	$42.00	45.00
	BAGJ	**BCBJ**

Extra Jaws .....per dozen **CFJ** $7.20

ONE-HALF DOZEN IN A BOX.

STANLEY'S UNIVERSAL.



Full Nickel Plated, Metal Clad, Ball Bearing, Cocobolo Heads.

No. 901—Sweep, in.	**8**	**10**
W't per doz., lbs.	36	40
Per dozen	$45.00	48.00
	BAHJ	**BCCJ**

No. 901—Sweep, in.	**12**	**14**
W't per doz., lbs.	44	46
Per dozen	$51.00	54.00
	BDHJ	**BFCJ**

Universal jaws for both wood and metal workers, holds round shank bits and drills ⅜ to ½ in., and taper shank as large as No. 2 Clark's expansive bits, concealed ratchet.

ONE-SIXTH DOZEN IN A BOX.

SAMSON BALL BEARING RATCHET.



Nickel Plated Steel Shank and Fittings, Ball Bearing Metal Clad Lignumvitae Head, Rosewood Handle, Samson Ball Bearing, Milled Chuck, Holding Round and Square Shank Bits or Drills, Forged Steel Alligator Jaws.

Nos.	**8008**	**8010**
Sweep, in.	8	10
W't per doz., lbs.	37	41
Per dozen	$48.50	52.00
	BBGJ	**BDCE**

Nos.	**8012**	**8014**
Sweep, in.	12	14
W't per doz., lbs.	44	46
Per dozen	$55.50	59.00
	BEHE	**BGFJ**

Extra Jaws .....per dozen **CFJ** $7.20

ONE-SIXTH DOZEN IN A BOX.

BIT BRACES, CHAIN DRILLS AND BORERS.

CRUSO PLAIN.



Polished Steel Shank, Polished Octagon Pattern Sleeve, Ebonized Hardwood Head and Handle, Steel Jaws.

Nos.	P8	P10	P12
Sweep, in.	8	10	12
W't per doz., lbs.	20¼	23	25
Per dozen	$7.00	8.00	9.00
	CFJ	CIJ	DBJ

Extra Jaws.....per dozen **ADE** $3.60

Sleeve can be tightened or loosened with wrench, if desired.

ONE-HALF DOZEN IN A BOX.

CRUSO RATCHET.



Polished Steel Shank, Polished Octagon Pattern Sleeve, Ebonized Hardwood Head and Handle, Steel Jaws.

Nos.	R80	R100	R120
Sweep, in.	8	10	12
W't, doz., lbs.	24	26	29½
Per dozen	$12.00	13.00	14.00
	JGJJ	JGBJ	JGFJ

Extra Jaws.....per dozen **ADE** $3.60

Sleeve can be tightened or loosened with a wrench, if desired.

ONE-HALF DOZEN IN A BOX.

SPOFFORD'S PLAIN.



Nickel Plated Steel Shank, Split Socket, with Thumb Screw, Cocobolo Head and Handle.

Nos.	108	110	112
Sweep, in.	8	10	12
W't, doz., lbs.	19	20½	21¼
Per dozen	$24.00	27.00	30.00
	ACCJ	AEAJ	AEIE

ONE-HALF DOZEN IN A BOX.

COMMON BALL.



No. 30—Plain, 10 in. sweep, bright steel shank, malleable bit socket, with thumb screw, beechwood head and handle, w't per doz. 12 lbs., per dozen .....**AHJ** $3.25

ONE-HALF DOZEN IN A BOX.

FRAY'S BALL BEARING, RATCHET.



Nickel Plated Steel Shank and Fittings, Cocobolo Metal Clad Head, Ball Bearing, Cocobolo Handle.

Nos.	66	86	106
Sweep, in.	6	8	10
W't, doz., lbs.	25	29	32
Per dozen	$33.00	36.00	42.00
	AFBJ	AFEJ	AGHJ
Nos.		126	146
Sweep, in.		12	14
W't per doz., lbs.		40	42
Per dozen		$46.00	50.00
		AIBJ	BJEJ

Extra Jaws.....per dozen **CFJ** $7.20

Adjustable to square and round shank bits ⅛ in. and larger.

ONE-HALF DOZEN IN A BOX.

PECK'S BALL BEARING RATCHET.



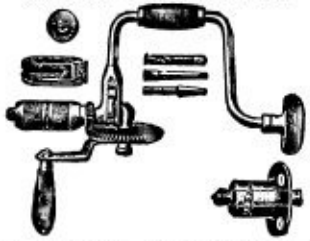
Nickel Plated Steel Shank and Sleeve, Metal Clad Lignumvitae Ball Bearing Head, Rosewood Handle, Forged Steel Jaws.

Nos.	7008	7010	7012	7014
Sweep, in.	8	10	12	14
W't doz., lbs.	35	39½	41	43
Per doz.	$41.50	45.00	48.50	52.00
	AGEJ	AHIE	BJDJ	BBEJ

Extra Jaws .. .per dozen **CFJ** $7.20

ONE-SIXTH DOZEN IN A BOX.

MILLERS FALLS DRILLS.

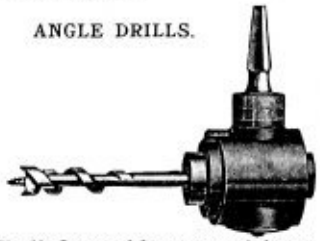


No. 10-D—10 in. sweep, nickel plated steel bow and chuck, lignumvitae ball bearing head, rosewood handles, detachable gear for use as a drill, per dozen .....**CABJ** $36.00

The gear wheel can be removed, leaving a ratchet brace. The jaws are forged steel and will center and hold firmly round twist drills from ⅛ to ⅞ in. diameter, also tool shanks of any size or shape.

ONE IN A BOX. W'T 57 LBS. PER DOZEN.

ANGLE DRILLS.



No. 99—Japanned frame, concealed gears, length 5 in., for boring with brace at right angles in close quarters, w't per doz. 18 lbs., per doz. **AIHJ** $36.00

ONE IN A BOX.

SILL BORERS.



No. 051—Miller's Falls, japanned malleable iron frame, length 15 in., w't per doz. 40 lbs., per doz. **BBEJ** $27.00

ONE IN A BOX.

CHAIN DRILLS.



No. 70—Plain screw for ½ round chuck, with set shank drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 27 lbs., per dozen..... .....**AJHJ** $21.00

No. 71—Plain chuck, for bit stock drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 27 lbs., per dozen **AJHJ** $21.00

No. 72—Knurled bit brace chuck, for square or round shank drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 31 lbs.....per dozen **AHIJ** $36.00

CHAIN DRILLS.

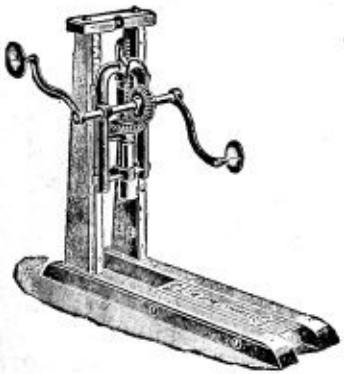


No. 73—Automatic feed, knurled bit brace chuck, for square or round shank drills, japanned frame, polished chuck, w't per doz. 33 lbs., per doz. **CJFJ** $60.00

The feed on this drill is constant and accurate and can be regulated to suit size of drill and kind of work in which it is used.

ONE IN A BOX.

BORING MACHINES AND DRILL ATTACHMENTS.

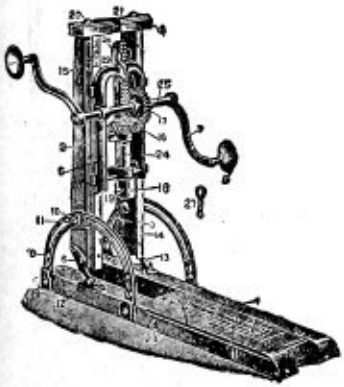


Upright, Wood Frame, Adjustable Depth Gauge, Self-withdrawing Auger.

No. 5—Without augers, w't 32 lbs., each .....CEE $6.00

No. 15—With one each 1, 1½ and 2 in. cast steel augers, w't 36 lbs., each .....EAE $8.50

ONE IN A CASE OR CRATE.

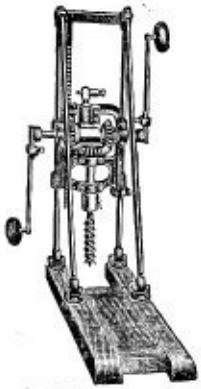


Angular, Wood Frame, Adjustable Depth Gauge Self-withdrawing Auger.

No. 2—Without augers, w't 36 lbs., each .....CDE $6.50

No. 12—With one each 1, 1½ and 2 in. cast steel augers, w't 40 lbs., each .....EDJ $9.00

ONE IN A CASE OR CRATE.

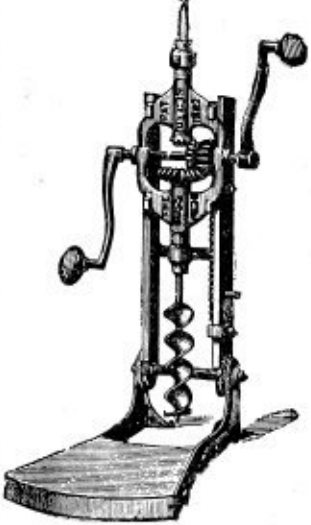


MILLER'S FALLS, Angular, Steel Frame, Adjustable Depth Gauge, Self-withdrawing Auger, Ex-tension Crank.

No. 4—Without augers, w't 45 lbs., each .....GBJ $7.50

No. 14—With one each 1, 1½ and 2 in. cast steel augers w't 49 lbs., each .....JIJJ $10.00

ONE IN A CASE OR CRATE.

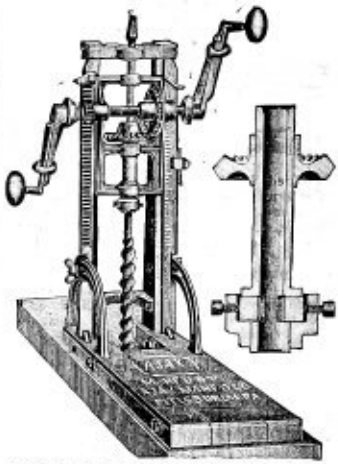


BOSS, Angular, Japanned Iron Frame, Adjustable Depth Gauge, Self-withdrawing Auger, Two Chucks on Reversible Traveling Gear Giving Two Speeds.

No. 6—Without augers, w't 30 lbs., each .....EAE $9.00

No. 16—With one each 1, 1½ and 2 in. cast steel augers, w't 34 lbs., each .....JGAJ $11.50

ONE IN A CASE OR CRATE.



AJAX, Angular, Wood Frame, Adjustable Depth Gauge, Self-withdrawing Auger, Chuck Adjustable to Fit Boring Machine Augers or Brace Bits, Extension Handles.

No. 24—Without augers, w't 45 lbs., each .....JFJJ $11.00

No. 34—With one each 1, 1½ and 2 in. cast steel augers, w't 48 lbs., each .....JGHJ $13.50

ONE IN A CASE OR CRATE.

CHAIN-FEED DRILL ATTACHMENTS.



No. A—Wonder, plain socket, polished, for ½ in. round straight shank drills, w't per doz. 24 lbs., per dozen.....JHAJ $18.00

No. B—Wonder, plain socket, polished, for bit stock drills, w't per doz. 24 lbs., per dozen.....JHAJ $18.00

No. C—Wonder, brace chuck, nickel plated, for bit stock drills, and ⅛ to ½ in. round shank drills, w't per doz. 24 lbs.....per dozen ADDJ $24.75

Can be used in all sorts of places and drill very rapidly with aid of ordinary brace. Chain can be tightened as desired by wheel, which moves independently.



No. E—Wonder, automatic, nickel plated brace chuck, for bit stock drills and round shank drills 1/16 to ½ in., w't per doz 33 lbs., per dozen .....BBGJ $36.00

This drill feeds automatically at any desired speed.

ONE IN A BOX.

HAND DRILLS.



No. 4—Automatic, length 13 in., cocobola handle, enclosing 8 cast steel drills in compartments, w't per doz. 11 lbs., per dozen ..... **ABAJ** $18.00
Extra Drills, for No. 4, sizes 1 to 8 .....per set of 8 **DB** .75
Extra Drills, for No. 4, sizes 1 to 8 ....per dozen **JFF** 1.10

ONE IN A BOX.



No. 7—Miller's Falls, automatic, length 10½ in., nickel plated and polished, rosewood stained handle enclosing 8 cast steel drills, sizes 1 to 8, in separate numbered compartments, with flat steel gauge showing sizes of holes, w't per doz. 5 lbs. .....per dozen **ABJJ** $18.00
Extra Drills, for No. 7, sizes 1 to 8 .....per set of 8 **DB** .75
Extra Drills, for No. 7, sizes 1 to 8 .....per dozen **JFF** 1.10

ONE IN A BOX.



No. 41—Yankee, automatic, length 10 in., nickel plated and polished, metal handle enclosing 8 cast steel drills, w't per doz. 12 lbs. .....per dozen **ADDJ** $28.00
Extra Springs, for No. 41 .....per dozen **AAJ** 1.80
Extra Drills, for No. 41, 4-64, 5-64, 6-64, 7-64, 8-64, 9-64, 10-64, 11-64 .....per set of 8 **DB** $0.75
Extra Drills, for Nos. 41 and 43, 4-64, 5-64, 6-64, 7-64, 8-64, 9-64, 10-64, 11-64 .....per dozen **JEG** $1.10

ONE IN A BOX.



No. 44—Yankee, automatic, adjustable tension, length 11¼ in., nickel plated, highly polished, 8 cast steel drills enclosed in handle, w't per doz. 8 lbs. .....per dozen **AFBJ** $33.00

ONE IN A BOX.



No. 51—Yankee, reciprocating, polished steel spindle, polished hardwood handle, ball bearing, nickel plated knurled chuck with 3 jaws for holding ⅜ in. drills or smaller, length 16 in., w't per doz. 16 lbs. .....per dozen **BFDJ** $48.00

So constructed that the drill runs continuously to the right during both forward and backward movement of the driver. The pressure to lock the drill is had by the pressure against the head of the tool which is provided with ball bearings to reduce friction.



No. 43—Yankee, automatic, length 10¼ in., nickel plated and finely finished, hardwood handle, 3 cast steel drills, ⅛, 5-64 and 3-32, not adapted to larger size drills, w't per doz. 3¼ lbs. .....per dozen **JHAJ** $15.00

ONE IN A BOX.



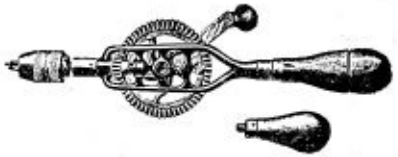
No. 90 Ⓖ Ⓛ Ⓓ—Black and nickel finish steel frame blue and gold finished wheel, double gear, 3 jaw steel chuck holding round shank drills up to ¾ in. diameter, detachable hollow handle for holding drills, ratchet construction can be used as plain, right hand, left hand or double ratchet drill, w't per doz. 19½ lbs. .....per dozen **BGJJ** $45.00

ONE IN A BOX.



No. 1530—Yankee, malleable iron frame, dead black finish, 3 jaw steel chuck, nickel plated, holding drills up to ⅜ in. in diam., single speed, extreme length 10½ in., 3 in. driving wheel, w't per doz. 17 lbs. .....per dozen **BGJJ** $40.00

By means of the ratchet this drill can be used as a plain, left hand, right hand or double ratchet drill.



No. 1—Miller's Falls, single gear, length 12 in., malleable iron frame, cocobolo hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in head, holds ⅞ in. round shank drills, w't per doz. 22 lbs.
per dozen .....**AEJJ** $32.00



No. 5—Miller's Falls, double gear, length 11½ in., malleable iron frame, cocobolo hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in handle, holds ⅞ in. round shank drills, w't per doz. 24 lbs.,
per dozen .....**AGGJ** $36.00



No. 2—Miller's Falls, single gear, length 15 in., malleable iron frame, cocobolo hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in handle, holds ⅝ in. round shank drills, ball bearing, w't per doz. 28 lbs., per dozen .....**BFAJ** $60.00

ONE IN A BOX.

HAND AND BREAST DRILLS.

HAND DRILLS.



No. 098—Millers' Falls, malleable iron frame, length 15¼ in., stained hardwood handles, nickel plated trimmings, double speed, which can be instantly changed without removing bit from work, detachable hollow end handle, with receptacle for holding twist drills, 3 jaw chuck holding round shank drills up to ⅜ in. diameter, w't per doz. 42 lbs., per dozen .....**CJJJ** $36.00

Extra Handles for No. 098, for using as a breast drill...per dozen **EJE** $6.00



No. 445—Yankee, two speed, malleable iron frame, dead black finish, ball bearing detachable handle for holding drills, two jaw nickel-plated chuck holding drills up to ¾ in., can be changed from single to double speed by means of shifter on frame, length 15½ in., w't per doz. 42 lbs., per dozen .....**CJFJ** $50.00

No. 1445—3 jaw chuck, otherwise same as No. 445.....per dozen **CJFJ** $50.00



No. 545—Yankee, two speed, malleable iron frame, finished in dead black, bright parts nickel plated and polished, length 16½ in., with right and left hand ratchet movement, chuck holds either square or round shank drills or other tools up to ½ in., detachable and hollow handle instead of breast plate, which can be held in hand or against body and which can be used as a magazine for holding drills, w't per doz. 52 lbs., per dozen .....**EJJJ** $72.00

ONE IN A BOX.

BREAST DRILLS.



No. 80—Two speed, universal chuck holding square, taper or round shank, drills up to ½ in. diameter, finished in blue and gold enamel, nickel plated trimmings, ebonized handles, w't per doz. 66 lbs., per dozen .....**BDJJ** $48.00



No. 81—Two speed, universal chuck holding square, taper or round shank, drills up to ½ in. in diameter, has level set in frame, also a latch for holding chuck while tightening drills, finished in blue and gold enamel, nickel plated trimmings, cocobola handles, w't per doz. 60 lbs., per dozen .....**BIDJ** $54.00

No. 82—D handles instead of breast plate, otherwise same as No. 81, per doz. **BIDJ** $54.00



No. 19—Ball bearing, alligator jaws, 5 in. drive wheel, adjustable speed gear and crank, permitting a variation in length of 3 in., black japanned hub casing, aluminum bronze gear and breast plate, w't per doz. 72 lbs., per dozen .....**AHHE** $42.00



No. 12—Miller's Falls, with level glass, japanned iron frame, nickel plated chuck, for round or square shank drills, 2 speeds, extension crank, 2 cocobolo handles, length 17 in., w't per doz. 72 lbs., per doz. **BHBJ** $60.00

No. 15—Miller's Falls, iron D handle, otherwise same as No. 12, per dozen .....**BHBJ** $60.00

ONE IN A BOX.

BREAST DRILLS.



No. 455—Yankee, two speed, malleable iron frame, dead black finish, ball bearing, can be changed from single to double speed by means of shifter on frame, two jaw chuck holding drills up to ½ in. in diameter, length 17½ in., w't per doz. 72 lbs., per dozen .....**CFJJ** $60.00

No. 1455—3 jaw chuck for holding round shank drills up to ½ in. diameter, otherwise same as No. 455, per dozen .....**CFJJ** $60.00



No. 555—Yankee, two speed, malleable iron frame, finished in dead black, bright parts nickel plated and polished, length 18 in., with right and left hand ratchet movement, chuck holds either square or round shank drills or other tools up to ½ in., w't per doz. 78 lbs., per doz. **EFJE** $84.00

No. 1555—Yankee, 3 jaw chucks for holding round shank drills up to ½ in. in diam., w't per doz. 78 lbs., otherwise same as No. 555, per dozen .....**EHEJ** $84.00



No. 99—M. F. Co., malleable iron frame, finished in dark gray and red, Universal chuck holding square, taper or round shank drills, adjustable breast plate, two speeds which can be instantly changed by knurled sleeve on drill, length 18 in., w't per doz. 83 lbs., per dozen .....**CBDJ** $66.00



No. 18—M. F. Co., with level glass, iron frame, three-jawed nickel plated chuck, capacity 0 to ½ in. for round shank drills, adjustable speed gear and breast plate, steel cone bearing, nickel plated crank, cocobolo handles, w't per doz. 90 lbs., per dozen .....**CCCE** $60.00

ONE IN A BOX.

SCREW DRIVERS.



An Extra Strong Well Made Driver. Finely Polished Carefully Tempered Blade Forged from Solid Bar High Grade Special Steel, Dark Stained Hardwood Handle Riveted to Driver with Two Rivets.

No. 150 —Inches	2	3	4	5	6
W't per doz., lbs..	4	4½	4¾	5	7
Per dozen	$4.25	4.25	4.25	5.00	6.00
	BEE	BEE	BEE	CJJ	CFJ

No. 150 —Inches	7	8	10	12
W't per doz., lbs.	7½	10	10¼	11¾
Per dozen	$7.00	8.00	10.00	12.00
	DBJ	DHJ	JFJJ	JGBJ

ONE-HALF DOZEN IN A BOX.



Special Cast Steel, Round Polished Blade, Polished Steel Ferrule, Ebonized Handle.

No. 2 —In.	2	3	4	5	6
W't per doz., lbs.	1½	1¼	2½	3½	4
Per dozen	$4.95	5.10	5.30	5.75	6.15
	AIE	BJJ	BJE	BBE	BDJ

No. 2 —Inches	7	8	10	12
W't per doz., lbs.	4¼	6¼	8	8½
Per dozen	$6.25	6.75	7.15	7.30
	BDJ	BFE	BHJ	BHE

ONE-HALF DOZEN IN A BOX.



Extra Heavy Cast Steel, Hammer Forged Blade, Oil Tempered, Natural Finish, Beech Handle, Brass Cap Ferrule.

No. 10 —Inches	3	4	5	6
W't per doz., lbs.	2	3	4½	4¾
Per dozen	$2.50	3.00	3.50	4.00
	JGJ	JIJ	AAJ	ABJ

No. 10 —Inches	8	10	12
W't per doz., lbs.	7½	8½	10½
Per dozen	$5.50	8.00	10.00
	AGE	BDJ	JBIJ



Round Blued Cast Steel Blade, Heavy Iron Ferrule, Stained Handle.

No. 6 —Inches	2	3	4	5	6
W't per doz., lbs.	1¾	2	2¾	3¼	3¼
Per dozen	$3.30	3.45	3.60	4.00	4.40
	ABJ	ABE	ACJ	ADE	AFJ

No. 6 —Inches	7	8	10	12
W't per doz., lbs.	4¾	7	7½	8
Per dozen	$4.60	5.15	5.60	5.75
	AFE	AHE	BJJ	BAJ

ONE-HALF DOZEN IN A BOX.



Polished Round Crucible Steel Blade, Hardened and Tempered, Stained Fluted Handle.

No. 012—Length, in.	2	3	4	5
W't per doz., lbs.	1	1½	2¼	2½
Per dozen	$1.50	1.75	2.15	2.50
	JEE	JFE	JHE	JIE

No. 012—Length, in.	6	8	10
W't per doz., lbs.	3½	4½	6
Per dozen	$3.00	4.00	5.00
	AAE	ADE	AHJ

ONE-HALF DOZEN IN A BOX.

STANDARD.



Cast Steel, Polished Blade, Beech Handle, Brass Cap Ferrule.

Sewing Machine.

No. 1—Inches	1½	2	3	4	5
W't per doz., lbs.	¾	1	1½	2¼	3
Per dozen	$1.00	1.60	2.15	2.65	3.20
	JCE	JEJ	JGJ	JHE	AJE

No. 1—Inches	6	8	10
W't per doz., lbs.	4	5	7½
Per dozen	$3.75	5.50	8.00
	ABJ	AHJ	BFJ

1½ IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

CHAMPION PATTERN.



Polished Round Crucible Steel Blade, Hardened and Tempered, Steel Ferrule, Riveted, Stained Fluted Handle.

No. 16—Inches	2	3	4	5	6	8
W't per doz., lbs.	1½	2	2¼	3¼	4	7
Per dozen	$3.55	3.70	3.90	4.35	4.75	5.35
	ADJ	ADE	AEJ	AGJ	AHE	BAJ

ONE DOZEN IN A BOX.

CHAMPION.



Polished Round Blade, Forged from Die Steel, Tempered and Shrunk into Malleable Bolster, Heavy Combined Tang and Ferrule, Stained Fluted Handle.

No. 26—Inches	2½	3	4	5	6
W't per doz., lbs.	2	2¼	3	4	4½
Per dozen	$3.00	3.50	4.25	5.00	6.00
	AGJ	BJJ	BDJ	BHE	CDJ

No. 26—Inches	7	8	10	12
W't per doz., lbs.	6½	7	8	11
Per dozen	$7.00	8.00	10.00	12.00
	DJJ	DEE	JEGJ	JFHE

ONE-HALF DOZEN IN A BOX.

SCREW DRIVERS.





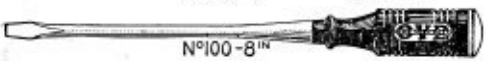
screw drivers have the blade, shank and head formed of one piece of special steel. The projection under the head prevents the blade from turning in the handle. This construction makes the driver unusually strong and durable.

drivers are made in two forms—one in which the metal head comes through the handle, and one having a countersunk head and insulated by a non-conduction plug. Electricians require this type. On account of the parallel sides, a countersunk screw may be followed without injury to the wood, thus making it an attractive tool to the cabinet maker.

All cuts used to illustrate this line are made to scale approximately one-fourth the actual size. Two cuts are shown in order to show the general proportion of increase in shank diameter and size of handle relative to blade length.

All handles are finished in dull black and are typical of "THE VERY BEST" workmanship.





STANDARD TYPE, Special Steel, Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 100 — Blade, in.	2½	3	4	5	6	7
Tip, in.	5-32	7-32	7-32	7-32	¼	9-32
Stock, in.	7-32	7-32	¼	5/16	5/16	11-32
W't per doz., lbs.	1½	2	2¾	4½	6	6½
Per dozen	$3.00	3.50	4.25	5.00	6.00	7.00
	AFJ	AIJ	BCJ	BGJ	CBE	CHJ

No. 100 — Blade, in.	8	10	12	15	18
Tip, in.	7/16	3/8	3/8	7/16	7/16
Stock, in.	3/8	3/8	3/8	1/2	1/2
W't per doz., lbs.	7½	8½	9½	11	12½
Per dozen	$8.00	10.00	12.00	15.00	18.00
	DCJ	JEDJ	JFEJ	JHAJ	JIGJ

For all sorts of work. Diameter of blades, width of tips, and size of handle vary according to over-all length of driver.

ONE-HALF DOZEN IN A BOX.





No. 102 — Blade, in.	2½	3	4	5	6	7	8
W't per doz., lbs.	½	¾	1	1	1¼	1¾	1½
Per dozen	$3.00	3.50	4.25	5.00	6.00	7.00	8.00
	AFJ	AIJ	BBJ	BGJ	CBE	CHJ	DCJ

For light work. Blades are very small and the tapered tips are of proportionate size. Handles are of the same size on all numbers.

ONE-HALF DOZEN IN A BOX.



No. 104 —Special steel, 1½ in. finely tempered blade, 5-32 in. tip, 7-32 in. stock, polished steel ferrule, ebonite handle, w't per doz. 2-3 lb. .....per dozen **AIJ** $3.00

ONE-HALF DOZEN IN A BOX.



Machinists' Special Steel Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

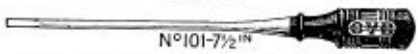
No. 105 —1¾ in. blade, 5¼ in. over all, w't per doz. 3½ lbs. .....per dozen **BGJ** $5.00

No. 106 —3 in. blade, 7½ in. over all, w't per doz. 6 lbs., per dozen .....**DHE** $9.00

Especially adapted for heavy work.

ONE-HALF DOZEN IN A BOX.





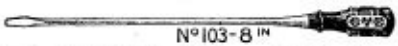
Cabinet Makers' Tip, Parallel Sides, Insulated Head, Special Steel Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 101 — Blade, in.	2½	3½	4½	5½	6½	7½	8½
Tip, in.	7-32	7-32	¼	¼	¾	¼	¼
Stock, in.	7-32	7-32	7-32	7-32	¼	¼	¼
W't per doz., lbs.	1½	2	2¾	3	3¼	3½	3¾
Per dozen	$3.00	3.50	4.25	5.00	6.00	7.00	8.00
	AFJ	AHJ	BCJ	BGJ	CBE	CHJ	DCJ

Has cabinet makers' tip, sides being parallel (instead of tapered) to follow up countersunk screws without marring the wood. It also has an insulated head. In this driver the diameter of blade, size of handle, width of tip do not increase in same proportion as in the standard line.

ONE-HALF DOZEN IN A BOX.





Electric, Special Steel, Finely Tempered Blade, ⅛ Inch Tip, 5-32 Inch Stock, Polished Steel Ferrule, Ebonite Handle, Insulated Head.

No. 103 — Blade, in.	1½	2½	3	4	5	6
W't per doz., lbs.	1	1½	1¼	1½	1½	1¼
Per dozen	$3.00	3.00	3.50	4.25	5.00	6.00
	AFJ	AFJ	AIJ	BCJ	BGJ	CBE

No. 103 — Blade, in.	7	8	10	12
W't per doz., lbs.	1½	1¾	1¾	2
Per dozen	$7.00	8.00	10.00	12.00
	CHJ	DCJ	JEDJ	JFEJ

A special driver corresponding to No. 102, but having an insulated head.

ONE-HALF DOZEN IN A BOX.

SCREW DRIVERS.



Special Steel Blade, Nickel Plated Ferrule, Rosewood Handle.

Nos.	107	108
Length of blade, in.	1¾	3¼
Stock, in.	11-64	11-64
W't per doz., lbs.	½	¾
Per dozen	$3.00	3.50
	JIE	AAE

Blades are pinned, making a strong driver for pocket use.

ONE DOZEN IN A BOX.

"HURWOOD" SCREW DRIVERS.



Cross Section "Hurwood" Screw Driver.



Cross Section "Hurwood" Screw Driver Insulated Head.

"HURWOOD" SCREW DRIVERS have blade, shank and head formed of one piece of special steel. A rivet through the ferrule, handle and shank as well as the head with two projecting wings—see cut—securely fasten the handle. This construction makes the "Hurwood" driver unsurpassed for strength and durability.

"Hurwood" drivers are made in two forms—one in which the metal head comes clear through the handle and one designed for electricians giving same advantages of strength but having the head countersunk in the handle and insulated by a non-conducting plug. "All "Hurwood" drivers have finely tempered blades and are well finished and fully warranted.

The cuts illustrating the various lines of "Hurwood" screw drivers are all made to scale—approximately one-fourth full size, and two sizes of each number of driver are shown to illustrate the general proportion of increase in shank diameter and size of handle relatively to the length of blade.



No. 20—4 in.



No. 20—8 in.

STANDARD TYPE. Special Steel, Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 20—Blade, in..	2½	3	4	5	6
Tip, in.	5-32	3/16	7-32	7-32	¼
Stock, in.	7-32	7-32	¼	5/16	5/16
W't per doz., lbs..	1½	2	2¾	4½	6
Per dozen	$3.00	3.50	4.25	5.00	6.00
	AFJ	AIJ	BCJ	BGJ	CBE
No. 20—Blade, in.	**7**	**8**	**10**	**12**	
Tip, in.	9-32	5-16	3/8	3/8	
Stock, in.	11-32	3/8	3/8	3/8	
W't per doz., lbs.	6½	7½	8½	9½	
Per dozen	$7.00	8.00	10.00	12.00	
	CHJ	DCJ	JEDJ	JFDE	

Diameter of blade, size of tip and size of handle increase with length of blade in proportion for heavier work.

ONE-HALF DOZEN IN A BOX.



No. 50—4 in.



No. 50—8 in.

PONY. Special Steel, Finely Tempered Blade, 1/8 Inch Tip, 5-32 Inch Stock, Polished Steel Ferrule, Ebonite Handle.

No. 50 Blade, in.	4	5	6	8
W't per doz., lbs.	1	1	1¼	1½
Per dozen	$4.25	5.00	6.00	8.00
	BCJ	BGJ	CBE	DCJ

A special driver designed for light and delicate work, and is made of very small stock and with a small tip. The size of stock, tip and handle is the same in all lengths of blade. As the small diameter of shank wire necessitates a very small rivet, the "winged" head is a great advantage.

ONE-HALF DOZEN IN A BOX.



No. 51.



No. 52.

Machinists'. Special Steel, Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 51—1¼ in. blade, 5¼ in. over all, w't per doz. 3¼ lbs., per dozen ..... **BGJ** $5.00

No. 52—3 in. blade, 7¼ in. over all, w't per doz. 6 lbs., per dozen ..... **DHE** $9.00

Especially adapted for heavy work, where a heavy driver cannot be conveniently used.

ONE-HALF DOZEN IN A BOX.



No. 45—3½ in.



No. 45—7½ in.

Cabinet Makers' Tip, Parallel Sides, Insulated Head, Special Steel, Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 45 Blade, in.	2½	3½	4½	5½
Tip, in.	7-32	7-32	¼	¼
Stock, in.	7-32	7-32	7-32	7-32
W't per doz., lbs.	1½	2	2¼	3
Per dozen	$3.00	3.50	4.25	5.00
	AFJ	AIJ	BCJ	BGJ
No. 45—Blade, in.	**6½**	**7½**	**8½**	
Tip, in.	¼	¼	¼	
Stock, in.	¼	¼	¼	
W't per doz., lbs.	3¼	3½	3¾	
Per dozen	$6.00	7.00	8.00	
	CBE	CHJ	DCJ	

Has cabinet maker's tip, sides being parallel (instead of tapered) to follow up countersunk screws without marring the work; also insulated head. In this driver, diameter of blade and size of handle do not increase in same proportion as in the standard line.

ONE-HALF DOZEN IN A BOX.



No. 55—4 in.



No. 55—8 in.

ELECTRIC. Special Steel, Finely Tempered Blade, ¼ Inch Tip, 5-32 Inch Stock, Polished Steel Ferrule, Ebonite Handle, Insulated Head.

No. 55—Blade in..	1½	2½	3	4	5
W't per doz., lbs..	1	1¼	1½	1½	1½
Per dozen	$3.00	3.00	3.50	4.25	5.00
	AFJ	AFJ	AIJ	BCJ	BGJ
No. 55—Blade, in..	**6**	**7**	**8**	**10**	**12**
W't per doz., lbs..	1½	1½	1½	1¾	2
Per dozen	$6.00	7.00	8.00	10.00	12.00
	CBE	CHJ	DCJ	JEDJ	JFDJ

A special driver corresponding to the No. 50, but having insulated head for electrician's work.

ONE-HALF DOZEN IN A BOX.



No. 21—Baby, special steel, 1½ in., finely tempered blade, 5-32 in. tip, 7-32 in. stock, polished steel ferrule, ebonite handle, w't per doz. 2½ lb. ..... per dozen **AIJ** $3.00

For use where a driver of short length is desired. The blade is strong and the size makes it a handy vest pocket screw driver.

ONE-HALF DOZEN IN A BOX.

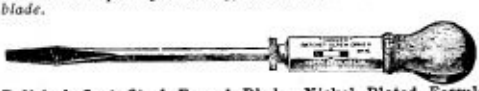
SCREW DRIVERS, PUSH BRACES, ETC.

YANKEE RATCHET SCREW DRIVERS.



No. 112—Polished cast steel forged blade, 1¼ in., nickel plated ferrule, polished hardwood handle, w't per doz. 3½ lbs., per dozen ..... JEGJ $10.20

Is made for special use of gunsmith's fitters, electricians and mechanics requiring a strong, substantial driver with a short blade.



Polished Cast Steel Forged Blade, Nickel Plated Ferrule, Polished Hardwood Handle.

No. 15—Inches	2	3	4	5
W't per doz., lbs	1¼	1½	1¾	2
Per dozen	$7.05	7.65	8.25	8.85
	CIE	DCJ	DFJ	EJJ



Polished Cast Steel Forged Blade, Nickel Plated Ferrule, Cherry Stained Handle.

No. 11—Inches	2	3	4	5	6	8
W't, doz., lbs	1½	2½	3	3½	5	6
Per dozen	$6.30	7.95	8.70	9.45	11.10	12.75
	CFJ	DEJ	DHE	ECJ	JFBE	JGBJ

ONE-HALF DOZEN IN A BOX.

REED'S LIGHTNING SCREW DRIVER.



No. 42—Nickel plated cylinder, rosewood handle, lignumvitae head, length 12 in., extended 21 in., with 1 boring and 2 screw driver bits, for light boring, driving and removing screws, w't per doz. 9 lbs. ..... per dozen **ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.



No. 41½—Nickel plated cylinder, rosewood handle, lignumvitae head, length 15 in., extended 26 in., with 1 screw driver bit, for light boring, driving and removing screws, w't per doz. 18 lbs. ..... per dozen **AHJJ** $30.00

ONE IN A BOX.

YANKEE SPIRAL RATCHET SCREW DRIVER.



Right or Left Hand and Rigid at Variable Lengths.

No. 35—Nickel plated, stained cherry handle, length with bit when extended 9⅜ in., 3 forged steel bits, w't per doz. 5¼ lbs. ..... per dozen **ABJJ** $25.00
No. 301—Chucks and drills ..... per dozen sets **BIJ** $6.00
No. 302—Extra long bits, in sets of 3, per doz. sets **CCE** $7.00

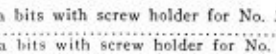
This tool is for driving small screws only and is intended for electrical workers, cabinet makers and mechanics having a large number of small screws to drive. It is a very light and convenient tool that can be easily carried in the pocket.



Right or Left Hand Ratchet and Rigid at Variable Lengths.

No. 30—Nickel plated, stained cherry handle, length with bit 11 in., extended 19¼ in., 3 forged steel bits, w't per doz. 15 lbs. ..... per dozen **ADDJ** $30.00
No. 31—Length with bit 17½ in., extended 26¼ in., for extra heavy work, w't per doz. 20 lbs., otherwise same as No. 30, per dozen sets ..... **BAJJ** $42.00
No. 311—Extra chucks and drills for No. 31, per dozen sets ..... **EGE** $9.00
No. 331—Extra screw driver bits for No. 31, per dozen sets ..... **CIJ** $7.00

The change from right to left hand for either push or ratchet is made by simply moving the slide to either end of the slot. The ratchet movement can be used in any part of the length of tool for either right or left hand. When slide is placed in center of slot the rod is held rigidly and tool can be used as an ordinary screw driver, and this at any point in length of rod. The friction in ratchet mechanism is so slight as to be hardly felt, the backward movement is easy and noiseless.



No. 305—Extra bits with screw holder for No. 30, per dozen ..... **CCJ** $6.00
No. 315—Extra bits with screw holder for No. 31, per dozen ..... **CCJ** 6.00

A longer bit than regular with holder attached to hold screw, especially useful in places difficult to reach or where only one hand can be used.

ONE IN A BOX.

POCKET MAGAZINE SCREW DRIVER.



No. 60—Nickel plated, 4 polished cast steel blades, knurled handle, w't per doz. 1½ lbs., per dozen **JFFJ** $12.00

ONE DOZEN IN A BOX.

YANKEE QUICK RETURN SPIRAL RATCHET SCREW DRIVERS.



No. 130—Nickel plated, stained cherry handle, length with bit 11 in., extended 19¼ in., 3 forged steel bits, w't per doz. 15 lbs., per dozen ..... **AHJJ** $30.00

This is the regular No. 30 Screw Driver with a spring added in handle which causes the handle to come back for the next push in driving the screws in or out.

ONE IN A BOX.

YANKEE PUSH BRACE AND SCREW DRIVER.



No. 75—Nickel plated frame and chuck, hardwood polished handle, 2⅜ in. diameter, length without bit 16½ in., extended 23½ in., w't per doz. 26 lbs., per dozen ..... **BGJJ** $40.00

Will hold all the small tools used in a bit brace, but is operated by pushing the handle. It exceeds a bit brace in its greater rapidity and convenience in lighter work. Will bore ⅞ in. holes in metal, drive 3/16 in. auger bits in hard wood or ½ to ⅝ in. bits in white pine. A special advantage is that being straight and cylindrical and operated by pushing, it can be used in many places where a brace can not be operated. The chuck is the same design as on our Yankee Hand and Breast Drill and holds square drills up to ¼ in. wood bit.

ONE IN A BOX.

YANKEE CHUCKS, DRILLS AND BITS.



⅛ inch Drill. No. 300 with ⅛ in. Drill.



11-64 inch Drill. No. 030.

No. 300—Steel chucks and drills, for No. 30, with spring lock, complete with 8 cast steel drill points, w't per doz. sets 1½ lbs., per dozen sets ..... **JEGE** $12.00
Extra Drills, for No. 30, sizes 4, 5, 6, 7, 8, 9 or 10 ..... per dozen **JEH** $1.10 per dozen ..... **JEH** $1.10
Extra Drills, for No. 30, in sets of eight, per set ..... **DB** $0.75
No. 030—Countersink bits, for No. 30, cast steel round shank, per dozen ..... **ADE** $3.00
No. 330—Extra screw driver bits, for No. 30 ..... per dozen sets **CIJ** $7.00

NO. 300, ONE SET IN A BOX; EXTRA DRILLS AND BITS, ONE DOZEN IN A PACKAGE.

CALIPERS AND WING DIVIDERS.

INSIDE CALIPERS.



Cast Steel, Polished.

No. 10—Inches.....	3	4	5
W't per doz., lbs...	¼	½	1¼
Per dozen	$2.65	2.85	3.30
	AAE	ABJ	ADE
No. 10—Inches.....	6	8	
W't per doz., lbs.....	1½	2¾	
Per dozen	$3.75	5.35	
	AFJ	BCJ	

ONE DOZEN IN A BOX.

OUTSIDE CALIPERS.



Cast Steel, Polished.

No. 20—Inches.....	3	4	5
W't per doz., lbs...	¼	¾	1½
Per dozen	$2.65	2.85	3.30
	AAE	ABJ	ADE
No. 20—Inches.....	6	8	
W't per doz., lbs.....	1¾	2¾	
Per dozen	$3.75	5.35	
	AFJ	BCJ	

ONE DOZEN IN A BOX.

DOUBLE CALIPERS.



Cast teel, Polished.

No. 30—In.	4	5	6
W't, doz., lbs.	¾	1	1½
Per dozen	$4.25	5.00	6.00
	AHE	BAE	BFJ

ONE-HALF DOZEN IN A BOX.

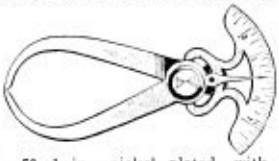
PENCIL HOLDERS.



No. 8—Stanley's, corrugated steel, with thumb screw, nickel plated, w't per doz. ¾ lb.....per dozen **JIE** $2.00

ONE DOZEN ON A CARD.

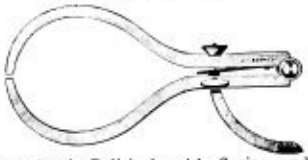
SELF-REGISTERING CALIPERS.



No. 50—3 in., nickel plated, with set screw, w't per doz. ¾ lb., per dozen ..... **FJJ** $8.50

ONE-HALF DOZEN IN A BOX.

WING CALIPERS.

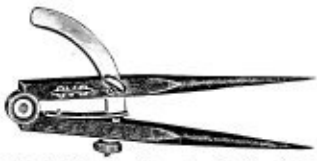


Cast Steel, Polished, with Spring and Set Screw.

No. 80—Inches	6	8
W't per doz., lbs.....	4	8
Per dozen	$7.00	9.00
	CBJ	DAJ

ONE-HALF DOZEN IN A BOX.

WING DIVIDERS.

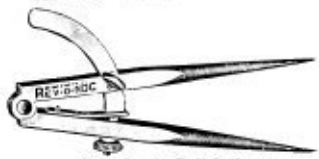


Nickel Plated, Forged Steel, Brass Jointed, Tempered Steel Points.

No. 4 —In...	6	7	8
W't per doz., lbs...	4	4½	5
Per dozen	$6.25	7.50	9.00
	CBJ	CFJ	CIE
No. 4 —Inches..	10	12	
W't per doz., lbs.....	8	13	
Per dozen	$12.00	14.00	
	JDHJ	JEFE	

ONE-HALF DOZEN IN A BOX.

REVONOC WING DIVIDERS.



Cast Steel, Polished.

No. 3 REVONOC— Inches	6	7	8	9
W't, doz., lbs.	3½	4	4½	7
Per dozen...	$5.50	6.50	7.50	9.00
	BJJ	BCE	BGJ	CBE
No. 3 REVONOC— Inches	10	12	15	
W't, doz., lbs.	7¾	13	15	
Per dozen	$10.00	12.00	28.00	
	JCIJ	JDHJ	AJHJ	

6 TO 8 IN., ONE DOZEN; 9 TO 15 IN., ONE-HALF DOZEN IN A BOX.

EXTENSION WING DIVIDERS.



Cast Steel, Polished, One Extension Leg.

No. 1—Inches.	6	7	8
W't, doz., lbs.	4	4½	4¾
Per dozen	$9.00	10.00	11.00
	FEJ	JGBJ	JGIJ

ONE-HALF DOZEN IN A BOX.



Cast Steel, Polished, Two Extension Legs.

No. 2—Inches.	6	7	8
W't, doz., lbs.	4¼	4½	5½
Per dozen	$10.00	11.00	12.00
	JGBJ	JGIJ	JHFE

ONE-HALF DOZEN IN A BOX.

COMPASSES AND DIVIDERS.



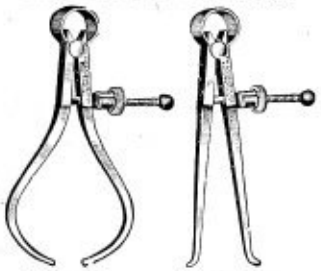
No. 569—Eagle, nickel plated, w't per doz. 1½ lbs., per dozen **BDJ** $4.50

This article will be found useful and reliable for architects, artists and school children. One in a box, together with a nickel box containing six refills.

ONE DOZEN IN A CARTON.

STARRETT TOOLS.

FAY PATENT CALIPERS.



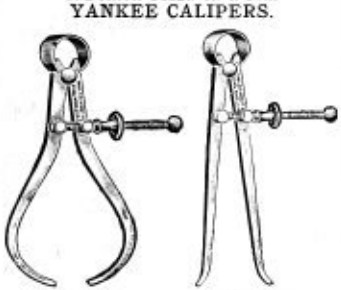
No. 75. No. 74.

Polished Steel, Tempered Flat Steel Bow Spring, with Spring Nut.

Length, in.....	2½	3	4
W't, doz., lbs..	¾	1⅛	1½
No. 75—Outside, per dozen ...	$13.80	13.80	15.00
	AAJJ	**AAJJ**	**ABJJ**
No. 74—Inside, per dozen ...	$13.80	13.80	15.00
	AAJJ	**AAJJ**	**ABJJ**
Length, in. ...	**5**	**6**	**8**
W't, doz., lbs..	2¼	3	3¾
No. 75—Outside, per dozen....	$15.00	18.00	21.60
	ABJJ	**ADCE**	**AGGJ**
No. 74—Inside, per dozen....	$15.00	18.00	21.60
	ABJJ	**ADCE**	**AGGJ**

ONE-SIXTH DOZEN IN A BOX.

YANKEE CALIPERS.



No. 79. No. 73.

Polished, Tempered Flat Steel Bow Spring, with Solid Nut.

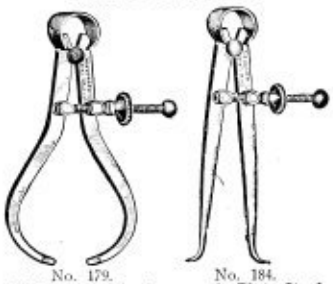
Length, in....	2½	3	4	5
W't, doz., lbs.	¾	¾	1½	1⅞
No. 79—Outside, per dozen..	$7.80	8.40	9.00	9.60
	FBE	**FGJ**	**GBJ**	**GFE**
No. 73—Inside, per dozen..	$7.80	8.40	9.00	9.60
	FBE	**FGJ**	**GBJ**	**GFE**
Length, in. ...	**6**	**8**		**10**
W't, doz., lbs..	2¼	3¼		5⅝
No. 79—Outside, per dozen ...	$10.20	12.00		16.20
	JHAE	**JIFJ**		**ABIJ**
No. 73—Inside, per dozen ...	$10.20	12.00		16.20
	JHAE	**JIFJ**		**ABIJ**

The Yankee Calipers are manufactured under the Fay Patent, but are not quite as heavy as the Fay.

The bow on No. 73 is stiff, making the caliper reliable. After calipering inside of chambered cavity by springing in the legs they may be withdrawn, and as they spring back will show the exact size calipered.

ONE-QUARTER DOZEN IN A BOX.

THREAD CALIPERS.



No. 179. No. 184.

Polished Steel, Tempered Flat Steel Bow Spring, with Solid Nut, Designed for Measuring Diameter at Bottom of Threads.

Length, in. ...	**4**	**5**	**6**
W't, doz., lbs..	1⅛	1½	2¼
No. 179—Outside, per dozen ...	$9.00	9.60	10.20
	GBJ	**GFE**	**JHAE**
No. 184—Inside, per dozen ...	$9.00	9.60	10.20
	GBJ	**GFE**	**JHAE**

ONE-QUARTER DOZEN IN A BOX.

IMPROVED FIRM-JOINT CALIPERS.



No. 26. No. 27.

Polished Steel.

Length, in. ...	3	4	5	6
W't, doz., lbs.	¾	1⅛	1½	2¼
No. 26—Outside, per dozen..	$4.80	6.00	6.60	7.80
	CHJ	**DHJ**	**EBE**	**FBE**
No. 27—Inside, per dozen..	$4.80	6.00	6.60	7.80
	CHJ	**DHJ**	**EBE**	**FBE**
Length, in. ...	**8**	**10**		**12**
W't, doz., lbs..	3¼	5¼		7⅞
No. 26—Outside, per dozen ...	$9.60	10.80		12.00
	GFE	**JHFJ**		**JIFJ**
No. 27—Inside, per dozen ...	$9.60	10.80		12.00
	GFE	**JHFJ**		**JIFJ**

The improvement in these calipers consists in the construction of the joint, which is so made as to be drawn together by means of a screw. The main stud is squared and fitted to one leg, thus preventing the stud turning when loosening and tightening, and insuring a smooth and uniform friction of more or less tension to suit the user.

The quality of these calipers is incomparably superior to that of any old style riveted-joint caliper on the market.

The capacity is about one-third greater than the size given.

ONE-QUARTER DOZEN IN A BOX.

LOCK-JOINT CALIPERS.



No. 38. No. 39.

Polished Steel, Lock-Joint.

Length, in. ...	**4**	**6**	**8**
W't, doz., lbs..	1½	3	4⅜
No. 38—Outside, per dozen....	$10.80	12.00	15.00
	JHFJ	**JIFJ**	**ABJJ**
No. 39—Inside, per dozen ...	$10.80	12.00	15.00
	JHFJ	**JIFJ**	**ABJJ**

Instantly adjusted to their full extent, and as quickly locked firm in the joint, and yet provided with a sensitive adjustment. A socket joint made tapering is locked or released by a partial turn of the knurled disk, drawing it together. A spring washer under the disk maintains an easy friction in the joint when unlocked.

In the under side of short arm is a slot containing a stiff spring. Riveted into the middle leg and projecting through an opening in the arm is a threaded stud on which is a knurled nut having a beveled hub,—this bears against a cone in the arm,—the action of the spring holding them together turns the nut, presses them apart and adjusts the leg when the joint is locked. The spring taking up all backlash, the legs are firm.

ONE-QUARTER DOZEN IN A BOX.

FIRM-JOINT HERMAPHRODITE CALIPERS.



No. 41

Polished Steel, Adjustable Point.

No. 41— **Length, in.**...	**4**	**6**	**8**
W't, doz., lbs..	1¼	1⅞	3¾
Per dozen	$7.80	9.60	12.00
	FBE	**GFE**	**JIFJ**

The improved firm-joint, with its smooth and uniform friction, is superior to the old style riveted jointed.

ONE-QUARTER DOZEN IN A BOX.

STARRETT TOOLS.

HERMAPHRODITE CALIPERS.



Polished Steel, Adjustable Point, Lock-Joint, Sensitive Adjustment.

No. 42— Length, in...	4	6	8
W't, doz., lbs..	1½	2⅝	4⅛
Per dozen	$12.00	13.80	16.20
	JIFJ	AAJJ	ABIJ

A socket joint made tapering is locked or released by a partial turn of the knurled disk drawing it together. A spring washer under the disk maintains an easy friction in the joint when unlocked.

ONE-QUARTER DOZEN IN A BOX.

FAY PATENT SPRING DIVIDERS.



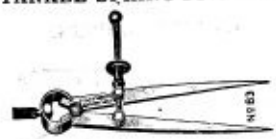
Polished Steel, Quick-Adjusting, Automatic Closing Spring Nut.

No. 77— Length, in...	2½	3	4
W't, doz., lbs..	¾	1¼	1½
Per dozen	$13.80	13.80	14.80
	AAJJ	AAJJ	AAHJ

No. 77— Length, in...	5	6	8
W't, doz., lbs..	2¾	3	3¾
Per dozen	$14.80	21.00	24.00
	AAHJ	AFGE	AIAE

ONE-SIXTH DOZEN IN A BOX.

YANKEE SPRING DIVIDERS.



Polished Steel, Solid Nut.

No. 83—Length, in..	3	4	5
W't per doz., lbs....	¾	1½	1¼
Per dozen	$8.40	9.00	9.60
	FGJ	GBJ	GFE

No. 83—Length, in.....	6	8
W't per doz., lbs.	2¼	4⅛
Per dozen	$10.20	13.20
	JHAE	AJEE

Made under the Fay patent, but not quite as heavy.

ONE-QUARTER DOZEN IN A BOX.

IMPROVED EXTENSION DIVIDERS.



Head and Arms of Best Malleable Iron and the Balance of Tool Steel, Hardened Points, Auxiliary Caliper Legs, Patent Locking Nut.

No. 85-A—7 in., with divider legs only, w't per doz. 7½ lbs., per dozen .....ABJJ $15.00

No. 85-B—9 in., with divider legs only, w't per doz. 10½ lbs., per dozen .....ADCE $18.00

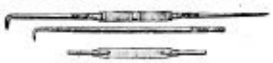
No. 85-C—7 in., complete, w't per doz. 12½ lbs.....per dozen BAEE $27.00

No. 85-D—9 in., complete, w't per doz. 16 lbs.....per dozen BCIE $30.00

A well made, nicely finished divider, with auxiliary caliper legs, which, together with a common pencil, form convenient combinations. The patent locking nut between the arms, against which a spiral spring acts, is a valuable feature. After the fine adjustment is made, the nut may be turned back, locking spring and arms firmly, thus remedying the weak point which renders the common wing divider only as stiff as the adjusting spring. A full-threaded nut on the stud, through which the quadrant passes, is a more durable fastener than two or three threads tapped in the arm to hold the wing of the old style. By adjustment of points the 7 inch size becomes 9 inches, and will scribe a 22 inch circle; will caliper 11 inches outside and 13 inches inside. The 9 inch size becomes 12 inches, and will scribe a 30 inch circle and caliper 14 inches outside and 16 inches inside.

ONE IN A BOX.

STARRETT SCRIBERS.



No. 67—Improved points of fine grade steel, nicely tempered, nickeled, knurled stock, length with short bent point 9 in., with long point 12 in., all parts interchangeable, w't per doz. 1½ lbs.....per dozen DDE $5.40



No. 68—Improved, adjustable sleeve knurled and nickeled, point of fine grade steel, 8 in. long, w't per doz. 1½ lbs. .....per dozen DIE $6.00

The knurled sleeve has hole clear through and a clamping device at one end, adapting it for slipping on or off different tools, securely holding them near to or away from the working point.

ONE-HALF DOZEN IN A BOX.

SURFACE GAUGES.



No. 57-A—New Universal, heavy base, grooved through bottom and end, adapting it for use on or against circular work as well as flat surfaces, height 3 in., with 9 in. spindle, w't per doz. 25½ lbs., per dozen .....BGJE $30.00

The spindle passes through a rotating head, jointed to a rocking bracket, pivoted in base. The bracket being adjusted by a knurled screw in one end against a stiff spring in the other, the spindle may be set upright or at any angle, or turned so as to work under the base and be sensitively adjusted to any position. The sung and head carrying the scriber are so made that when the clamp nut is loosened, all may be freely moved to any position and by friction springs retained in place until a slight turn of the clamp nut holds them firm. In the rear end of the base are two gauge pins frictionally held which may be pushed to bear against the edge of a surface plate or in slot of a planer bed for lineal work.

ONE IN A PACKAGE.

GEM SCRIBERS.



No. 3—Tempered polished steel, length 3 in., w't per doz. 1 lb., per dozen .....BCJ $4.00

Takes the place of the compass, and being small, can be carried in vest pocket.

ONE DOZEN IN A BOX.

POCKET SCREW DRIVER.



Steel Tubing, Knurled and Nickel Plated, Properly Tempered Blades.

No. 553-A—Handle ¼ in. diameter, blade 1⅞ in. long, w't per doz. ¾ lb., per dozen .....BGJ $3.00

No. 553-B—Handle ⅜ in. diameter, blade 3 in. long, w't per doz. 1⅛ lbs., per dozen .....CHJ $4.20

To carry in pocket, reverse the blade, inserting it in the handle, giving a slight turn of the chuck to keep it there. It takes no more room in the pocket than a penknife.

ONE-HALF DOZEN IN A BOX.

STARRETT TOOLS.

COMBINATION SETS.



Consisting of No. 11 Combination Square with Center Head and 7 Inch Bevel Protractor Head.

No. 9—Inches	9	12	18
W't, lbs.	1½	2	2¼
Per set	$3.75	4.00	4.75
	CAE	CCE	DJJ

Each head may be instantly removed, or replaced and used interchangeably with the scale, thus forming the most useful combination set of tools ever devised for mechanics' use.

ONE SET IN A PACKAGE.

PROTRACTOR HEADS.

No. 12—7 in., with level attachment, w't 12 oz. .....each **AGJ** $2.00

ONE IN A PACKAGE.

COMBINATION SQUARES.



Hardened Polished Steel Blade, Japanned Iron Stock, Polished Faces and Edges.

No. 11—9 in., without center head, w't per doz. 8½ lbs., per doz. **AFBJ** $15.00
No. 11—12 in., without center head, w't per doz. 12¼ lbs., per dozen .....**AEAJ** $18.00
No. 011—9 in., with center head, w't per doz. 11¼ lbs., per dozen **AGFE** $21.00
No. 011—12 in., with center head, w't per doz. 16½ lbs., per dozen **BJAE** $24.00

A complete substitute for a whole set of common try squares and is one of the best gauges made for transferring exact measurements or laying out work. Also convenient for a depth gauge, or to square in a mortise. For a mitre it is perfect, while with the auxiliary center head it forms a centering square, both inside and outside, which, for convenience and accuracy has no equal.

Good Quality Hard Steel Blade, Japanned Iron Stock, Polished Faces and Edges.

No. 23—9 in., without center head, w't per doz. 8¼ lbs., per doz. **AJHJ** $15.00
No. 23—12 in., without center head, w't per doz. 12¾ lbs., per dozen .....**ABIE** $18.00
No. 023—9 in., with center head, w't per doz. 11¼ lbs., per dozen **AEAJ** $21.00
No. 023—12 in., with center head, w't per doz. 16½ lbs., per dozen **AGCJ** $24.00

Similar in design to No. 11. While the blade is made of good hard steel, it is not hardened.

POLISHED STEEL RULES.



Flexible, Very Thin, Spring Tempered, Graduated in 32nds and 64ths on One Side Only.

No. 320—Length, in.	3	4
W't per doz., lbs.	¾	¾
Per dozen	$4.20	5.40
	CEE	DEE
No. 320—Length, in.	**6**	**12**
W't per doz., lbs.	¾	¾
Per dozen	$7.80	15.00
	FEE	ABFJ

ONE-HALF DOZEN IN A PACKAGE.



Improved Hook, Spring Tempered, 3-64 Inch or 18 Gauge Thick, Graduated in 64ths and 32nds on One Side, 16ths and 8ths on the Other, with End Graduated in 32nds.

No. 419— Length, in...	6	9	12
Width, in.	¾	⅞	1
W't, doz., lbs..	¾	1½	2¼
Per dozen	$12.00	16.80	21.00
	AJAJ	ADAJ	AGFE

The hook rule is very convenient in taking measurements from round corners, through hubs of pulleys, setting inside calipers, etc. The hook can be quickly removed by turning eccentric and one-half round.

ONE-QUARTER DOZEN IN A PACKAGE.



Narrow Hook, Spring Tempered, 3-64 Inch or 18 Gauge Thick, 3-16 Inch Wide, Graduated in 32nds on One Side, 64ths on the Other.

No. 422— Length, in...	4	6	9
W't, doz., lbs..	¼	¾	¾
Per dozen	$8.40	10.80	15.00
	GJE	JIJE	ABFJ

These rules are designed for use in taking measurements through small holes where the regular hook rules cannot be used. Can also be used for setting inside calipers. Measurements through holes as small as ¾ inch can be obtained.

ONE-QUARTER DOZEN IN A PACKAGE.



Spring Tempered, 3-64 Inch or 18 Gauge Thick, Graduated in 64ths and 32nds on One Side, 16ths and 8ths on the Other, Graduated in 32nds on Opposite Sides of One End..

No. 0303—Length, in. ...	3	4
Width, in.	⅜	⅝
W't per doz., lbs.	¾	¾
Per dozen	$4.20	5.40
	CEE	DEE
No. 0303—Length, in. ..	**6**	**12**
Width, in.	¾	1
W't per doz., lbs.	¾	2¼
Per dozen	$7.80	15.00
	FEE	ABFJ

POLISHED STEEL RULES.

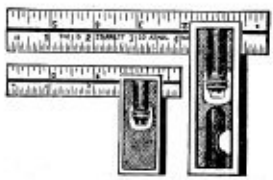


Spring Tempered, 3-64 Inch or 18 Gauge Thick, Graduated in 64ths and 32nds on One Side, 16ths and 8ths on the Other, Graduated in 32nds on Both Ends of One Side.

No. 603—Length, in. ...	3	4
Width, in.	⅛	⅝
W't per doz.	¾	¾
Per dozen	$4.20	5.40
	CEE	DEE
No. 603—Length, in.	**6**	**12**
Width, in.	¾	1
W't per doz., lbs.....	¾	2¼
Per dozen	$7.80	15.00
	FEE	ABFJ

ONE-HALF DOZEN IN A PACKAGE.

DOUBLE SQUARES.



Polished and Hardened Steel Blade, Japanned Cast Iron Stock with Polished Face and Edges, Blade Graduated in 64ths and 32nds on One Side, 16ths and 8ths on the Other.

No. 13—Inches	4	6	9
W't, doz., lbs..	3¼	7½	11¼
Per dozen	$19.80	30.00	36.00
	AGHJ	BGJJ	CBDJ

4 and 6 in. are fitted with both bevel and regular blades.

The sliding scale, shortened or extended full length makes this square very valuable, while with the extra bevel blade we have both the hexagon and octagon angles. There is a level in the stock of the 6, 9 and 12 in.

ONE IN A PACKAGE.

CENTER GAUGES.



Polished Steel, Graduated One Corner Each in 32nds, 24ths, 20ths and 14ths, Length 2¼ Inches, 60° Angles.

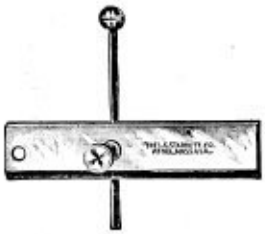
No. 390—Not tempered, w't per doz. ¾ lb. .....per dozen **BGJ** $3.00
No. 391—Spring tempered, w't per doz. ¾ lb. .....per dozen **CHJ** $4.20

For use in grinding and setting screw cutting tools.

ONE-HALF DOZEN IN A PACKAGE.

GAUGES, SCRIBERS, PUNCHES, ETC.

STARRETT DEPTH GAUGES.



No. 45A—Polished steel, 3½ in. stock, w't per doz. 1½ lbs., per dozen .....**GDE** $9.00

The wire in this gauge is held to a groove by a friction spring inside the nut while adjusting, and may be used close to the end, as well as in the middle of the straight edge. By loosening the nut, the gauge may be neatly folded.



No. 46A—Polished steel, 3½ in. stock, 4 in. scale, w't per doz. 1½ lbs., per dozen .....**ABDJ** $15.00

A 4x⅜ in. scale slides in groove, and is graduated in 32ds and 64ths, and may be used separately from the gauge.

ONE IN A PACKAGE.

THICKNESS GAUGES.

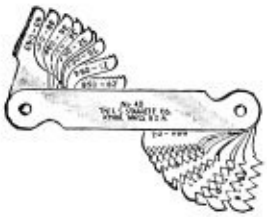


No. 172A—Polished steel, 9 tempered leaves—.002 to .0015—3½x½ in. case, 3½x½ in. leaves, w't per doz. 1½ lbs., per dozen .....**JIIJ** $12.00

The thickness is marked on each leaf.

ONE IN A PACKAGE.

STARRETT SCREW PITCH GAUGES.

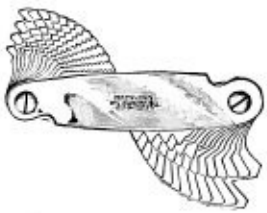


No. 40—Polished steel, 2½ in. long, 22 pitches—9 to 40— w't per doz. 1½ lbs., per dozen .....**JIIJ** $12.00

No. 6—Polished steel, 2½ in. long, 30 pitches—4 to 42—w't per doz. 1½ lbs., per dozen .....**ADHE** $18.00

Can be used inside a nut as well as on the outside of a screw or bolt. Each leaf is stamped in decimals showing the double depth of thread on said leaf, and this of course equals the depths of threads on the two sides of a tap having the same pitch, and helps the workman determine the size of drill needed to drill the hole the right size to leave a full V thread for a tap having the same pitch.

ONE IN A PACKAGE.



No. 155—U. S. Standard, polished steel, 3¼ in. long, 25 pitches—2½ to 20—w't per doz. 3 lbs., per dozen **ADHE** $18.00

Can also be used as a center gauge with coarse and fine notch.

ONE IN A PACKAGE.

PLUMB BOBS.



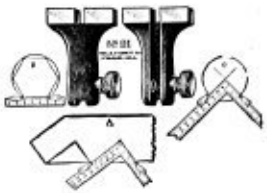
Solid Steel, Nickel Plated, Bored and Filled with Mercury, Hardened and Ground Points, Knurled Body, Braided Silk Line.

No. 87—Length, in.	**4**	**5**
Diameter, in.	½	5/8
W't per doz., lbs.....	2⅝	4⅓
Per dozen	$12.00	18.00
	AJHJ	**AFBJ**
No. 87—Length, in.	**5½**	**6**
Diameter, in.	⅞	**1**
W't per doz., lbs.	9	12
Per dozen	$24.00	30.00
	BAFJ	**BGJJ**

The principal features are their great weight in proportion to size; low center of gravity; small diameter and patented device for fastening the string without a knot to tie or untie by simply drawing it into the peculiarly slotted neck at the top after unwinding the required length, when the bob will hang perfectly true.

ONE IN A PACKAGE.

STARRETT STAIR GAUGE FIXTURES.



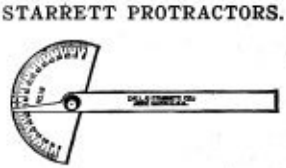
No. 111—Nickel plated steel, unpolished body, w't 4 oz. .....per pair **FE** $0.75

A pair of these fixtures can be readily clamped to a carpeter's steel square to form a gauge for various uses.

Sketch A shows the gauge as applied for laying out a stair stringer; sketch B, laying off hexagon angles; sketch C, as used as a center gauge or in quartering a circle.

THREE PAIRS IN A BOX.

STARRETT PROTRACTORS.



No. 19—Polished steel, graduated from 0 to 90 degrees from each end, 6 in. blade, w't per doz. 1½ lbs., per dozen .....**ADHE** $18.00

Graduated in degrees from 0 to 90, both ways. The blade is 6 inches long, and by means of patent lock joint is set firmly by a slight turn of the nut. The back of the tool is flat. This protractor is accurate, and is convenient for setting bevels, for transferring angles, as a small T-square, or for a large number of other uses which will readily occur to a machinist or draftsman, and will be found reliable, and very satisfactory by any mechanic, especially those who do not care to pay for a more expensive tool.

ONE-SIXTH DOZEN IN A PACKAGE.

STANDARD WIRE GAUGES.



No. 2—Cast steel, round, small, gauges Nos. 6 to 36, w't per doz. 1 lb., per dozen .....**AEHE** $3.00

No. 1—Cast steel, round, large, gauges Nos. 0 to 36, w't per doz. 2½ lbs., per dozen .....**BDEJ** $48.00

STARRETT TOOLS.

MICROMETERS.



No. 3—Polished steel, hardened spindle, knurled sleeve and lock nut, with ratchet stop, for measurement by thousands up to 1 in., w't per doz. 5¼ lbs. .....per dozen **FDHJ** $72.00



No. 2—Polished steel, hardened spindle, knurled sleeve and lock nut, with ratchet stop and 1 in. test gauge, for measurement by thousands from 1 in. to 2 in., w't per doz. 7½ lbs., per dozen .....**GJBJ** $78.00



No. 215—Polished steel, hardened spindle, knurled sleeve and lock nut, with ratchet stop, for measurement by thousandths up to ½ in., w't per doz. 3 lbs. .....per dozen **EDJJ** $60.00

ONE IN A PACKAGE.

MICROMETERS.



Drop Forged from Bar Steel, Nicely Finished, Knurled Sleeve, with Patent Lock Nut and Ratchet Stop.

No. 226—Inches	**1**	**2**	**3**
For measurement, in.....	0 to 1	1 to 2	2 to 3
W't, doz., lbs..	5¼	10½	12
Per dozen	$72.00	60.00	78.00
	FDHJ	**EDJJ**	**GJBJ**
No. 226—Inches	**4**	**5**	**6**
For measurement, in.....	3 to 4	4 to 5	5 to 6
W't, doz., lbs..	17	20	28
Per dozen	$84.00	93.00	102.00
	GFCJ	**HCGJ**	**IAHJ**

Each micrometer is graduated to read by thousandths of an inch. The one inch has the decimal equivalents stamped on the frame. The other sizes are marked to show their capacity. No. 1 has decimal equivalents stamped on frame.

HIGH SPEED INDICATORS.



No. 104—Nickel plated scored steel handle, hardened steel pointed spindle with rubber tip for pointed or hollow centers, encased working parts, 5½ in. long, w't per doz. 3½ lbs., per dozen .....**AJHJ** $12.00

This indicator may be run at highest speed required without heating, and this on account of frictionless bearing against which the inner end of the spindle revolves. The dial plate has two rows of figures, reading right or left, as the shaft may run. The rotating disk being carried by friction, may be moved to the starting point where the raised knobs coincide. When the spindle is placed in connection with the revolving shaft, pressing the raised knob with the thumb will prevent the disc from rotating, while the hand of the watch gets to the right position to take the time. By releasing the pressure the disk is liberated for counting the revolutions of the shaft when every 100 may be noted by feeling the knob past under the thumb lightly pressed against it, thus relieving the eye, which has only to look on the watch to note the time.

ONE IN A BOX.

REGISTERING SPEED INDICATORS.



No. 107—Nickel plated, hard rubber handle, making a safe insulator when used on electricity, hardened steel pointed spindle with rubber tip for pointed or hollow centers, w't per doz. 4½ lbs. .....per dozen **CBDJ** $36.00

Devised to automatically register hundreds as well as units and tens, and thus relieve the mind from keeping tally. The instrument will register 5,000 revolutions. The large dial is graduated into one hundred lines, each one representing a revolution of the spindle. The small dial has fifty lines cut upon its face, each representing one hundred revolutions of the spindle (or one complete turn of the large dial). A spring finger trip attached to the case engages with one of the lines in the small dial and holds it from revolving until the large dial makes one complete turn, when the trip pin passing under the spring trip lifts it, and the dial is frictionally carried along by the large plate one line, thus showing that one hundred revolutions of the spindle have been made.

ONE IN A BOX.

KEY-SEAT CLAMPS.

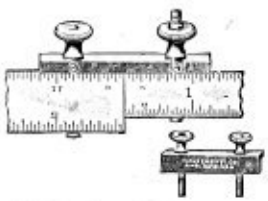


No. 298—Steel, case-hardened and ground accurate, transforms any common steel scale into a key-seat rule, w't per doz. prs. 1½ lbs., per dozen pairs .....**FJE** $7.20

Can be put on or off almost instantly, and are a complete substitute for a more costly tool. They may be used with Starrett combination square blades, or with any straight rule, with accurate results.

ONE PAIR IN A PACKAGE.

RULE CLAMPS.



No. 299—Blued steel, w't per doz. prs. 1½ lbs..... per dozen pairs **EJE** $6.00

For clamping two steel rules together, end to end, making one long rule. The rules may be the same or different widths up to 1¼ in. Of special value to mechanics whose tool chests will usually not hold rules longer than 12 inches.

FOUR PAIRS IN A PACKAGE.

FARM LEVELS.



No. 22—Bostrom's, brass, highly lacquered and finished, consisting of 3 in. level and 9 in. telescope, tripod, plumb bob, graduated rod and target, w't 11 lbs.....each **ACBJ** $20.00

The telescope, which is "achromatic" giving a clear field, is equipped with a focusing eye-cap, and contains a system of magnifying glasses enabling you to read the target a quarter of a mile away. On account of the novel elements of construction of this level the telescope may be pointed in any direction desired with the necessity of re-adjusting the instrument.

The level has circle of degrees for obtaining angles; has spirit bubble and all necessary means of adjustment.

ONE IN A NEAT WOOD CASE.

PUNCHES AND NAIL SETS.

CENTER PUNCHES.



Tool Steel, Tempered, Knurled Center.

No. 92 —In...	3/4	7/8	1
W't per doz., lbs. ..	1/2	3/4	1 1/8
Per dozen	$2.00	2.00	2.50
	JIJ	JIE	AAJ

ONE DOZEN IN A BOX.

BRAD SETS.



No. 55—Excelsior, length 4 in., assorted No. 1 for 3/4x18 and 20, No. 2 for 3/4x16 brads, w't per doz. 1 lb., per dozen .....**BDJ** $6.00.

End of set is hollow for receiving brads, which are driven by upper section of set. Will drive and set brads and finishing nails in inaccessible places; also for all moulding work.

NAIL SETS.



No. 38 —Cup point, blued knurled handle, assorted 2-32, 3-32 and 4-32 in., length 3 in., w't per doz. 1 1/2 lbs., per dozen .....**AAJ** $2.00

No. 38 1/2 —2-32 and 3-32 in., otherwise same as No. 38, per dozen .....**AAJ** $2.00

No. 40 —4-32 in., otherwise same as No. 38.....per dozen **AAJ** $2.00

No. 39 —Cup point, blued, 5/16 in., length 5 in., 3/4 in. point, w't per doz. 2 1/2 lbs. .....per dozen **ABJ** $3.00

ONE DOZEN IN A BOX.



No. 3 —Car Builders', high grade tool steel, 3/4x5 in., oil finished octagon barrel, 1/4 in. cup point, polished taper, w't per doz. 7 lbs., per dozen .....**BIJ** $6.00

These nail sets are for use on large nails and spikes.

ONE-HALF DOZEN IN A BOX.



No. 50—Square head, cup point, blue knurled handle, sizes 2-32, 3-32 and 4-32 in., length 4 in., w't per doz. 1 1/2 lbs. .....per dozen **AJE** $2.50

NAIL SETS.



No. 44 —Cast steel, cup point, knurled handles, blued, assorted 2-32, 3-32 and 4-32 in., length 4 in., in nicely covered box, w't per box 1 1/2 lbs., per box .....**AHJ** $5.00

TWO DOZEN IN A BOX.

No. 45 —Cup point, knurled handles, blued, 2-32 in. only, length 4 in., w't per doz. 3/4 lbs., per dozen .....**JIJ** $2.50

No. 46 —3-32 in. only, otherwise same as No. 45 ..per dozen **JIJ** $2.50

ONE DOZEN IN A DISPLAY BOX.



No. 35 KEYSTONE—Cast steel, cup point, knurled handle, assorted 1/8 to 1/8 in., length 3 1/4 in., w't per doz. 1 lb., per dozen .....**JGH** $2.50

No. 35 1/2 KEYSTONE—Cast steel, cup point, knurled handle, 1/8 in. only, length 3 1/4 in., w't per doz. 1 lb., per dozen .....**JGH** $2.50

No. 34 KEYSTONE—Cast steel, cup point, knurled handle, 3-32 in. only, length 3 1/4 in., w't per doz. 1 lb., per dozen .....**JGH** $2.50

ONE DOZEN IN A BOX.



No. 37—Cast steel, cup point, knurled handle, blued, assorted 2-32, 3-32 and 4-32 in., length 4 in., in cloth covered wood form, w't per box 1 1/2 lbs., per box .....**AHJ** $4.00

TWO DOZEN IN A BOX.

No. 92—Syracuse, cast steel, cup point, knurled handle, blued, 2-32 in. only, length 4 in., w't per doz. 3/4 lb., per dozen .....**JIJ** $2.75

No. 93—3-32 in. only, otherwise same as No. 92 .....per dozen **JIJ** $2.75

ONE DOZEN IN A BOX.

MACHINE PUNCHES.



No. 5 —3/16 in., cast steel, extra quality, 5/32 in. point, length 9 in., w't per doz. 8 lbs., per dozen .....**BEJ** $4.50

ONE-HALF DOZEN IN A BOX.



, Forged from High Grade Octagon Tool Steel, Polished Taper, Oil Finished Barrel.

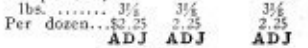
Nos.	11	12	13	14
Sizes, in. ...	6x1/4	6x1/4	6x1/4	6x1/4
Size at point, in.	3/32	4/32	5/32	6/32
W't per doz., lbs.	3	3 1/4	3 1/4	3 1/4
Per dozen...	$2.25	2.25	2.25	2.25
	ADJ	ADJ	ADJ	ADJ

Nos.	15	16	Assorted
Sizes, in. ...	6x1/4	6x1/4	6x1/4
Size at point, in.	7/32	8/32	3/32 to 8/32
W't per doz., lbs.	3 1/4	3 1/4	3 1/4
Per dozen...	$2.25	2.25	2.25
	ADJ	ADJ	ADJ

Nos.	18	19	20
Sizes, in.	8x1/4	9x5/16	10x3/4
Size at point, in.....	3/16	7/32	1/4
W't per doz., lbs....	5	7 1/2	13
Per dozen.....	$3.25	4.75	8.00
	AHJ	BEJ	CHJ

These punches have a special taper, forged straight to allow clearance in work.

ASSORTED, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.



KEYSTONE, **Length 6 in., Forged from 7/8 inch Octagon Tool Steel, Regular Taper, Polished, Oil Finished Barrel.**

Nos.	104	105	106
Size at point, in.....	4/32	5/32	6/32
W't per doz., lbs....	3	3 1/8	3 1/4
Per dozen.....	$2.00	2.00	2.00
	ABE	ABE	ABE

Nos.	107	Assorted
Size at point, in....	7/32	4/32 to 7/32
W't per doz., lbs....	3 1/4	3 1/4
Per dozen.....	$2.00	2.00
	ABE	ABE



No. 10—1/2 in., octagon, cast steel, 1/8 in. point, length 7 in., w't per doz. 4 1/2 lbs. .....per dozen **JHE** $2.00

ONE-HALF DOZEN IN A BOX.

PUNCHES AND COLD CHISELS.

COLD CHISELS.



High Grade Octagon Tool Steel, Extra Quality and Finish, Half Polished.

Inches	¼	⅜	½	⅝
Size at point, in.	⅛	7/32	5/16	¾
Length, in.	5	5¼	6¼	6¾
W't per doz., lbs.	1¼	2¼	4½	7
Per dozen	$2.00	2.25	2.50	4.00
	ABJ	ABE	AGE	BEJ
Inches	¾	⅞	1	
Size at point, in.	⅜	1⅛	1¼	
Length, in.	7½	7½	7½	
W't per doz., lbs.	11	14½	19	
Per dozen	$6.00	7.00	10.00	
	CIE	EDJ	GBJ	

¼ AND ⅜ IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.



Octagon, Tool Steel, Extra Quality, Oil Finished Stock, Polished Blades.

Size, in.	¼	⅜	½	⅝
Size at point, in.	7/32	7/16	5/8	¾
Length, in.	5¼	5¾	6	7
W't per doz., lbs.	1¼	2¼	4½	7
Per dozen	$1.75	2.00	2.25	3.00
	AJJ	AAJ	ADE	BJJ
Size, in.	¾	⅞	1	
Size at point, in.	⅜	1⅛	1¼	
Length, in.	7½	8	8	
W't per doz., lbs.	11	14	20	
Per dozen	$4.50	6.00	8.00	
	BGJ	CFJ	DHJ	

¼ AND ⅜ IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.



Octagon, Cast Steel, Half Polished.

No. 4— Inches	¼	⅜	½	⅝
Size at point, in.	3/16	½	11/16	13/16
Length, in.	5½	5¾	6¼	7
W't per doz., lbs.	1¾	2¾	4¼	7
Per dozen	$0.60	.80	1.20	2.00
	EJ	FJ	JFE	AJJ
No. 4—Inches	¾	⅞	1	
Size at point, in.	1	1⅛	1¼	
Length, in.	7½	7¾	8	
W't per doz., lbs.	11	15	20	
Per dozen	$3.00	4.00	5.00	
	AEJ	AIJ	BGJ	

¼ AND ⅜ IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

CAPE CHISELS.



Octagon, Tool Steel, Oil Tempered.

Size at point, in.	3/16	7/32	5/16	¼
Diam., in.	5/8	5/8	5/8	¾
Length, in.	7	7	7	7½
W't per doz., lbs.	6	6¼	6¼	9½
Per dozen	$3.00	3.30	3.60	4.50
	AHE	BJJ	BAJ	BGJ

ONE-HALF DOZEN IN A BOX.

LONG BRICK CHISELS.



Inches	½	⅝	⅞	¾
Length, in.	12	14	16	18
W't per doz., lbs.	8	15	17	28
Per dozen	$4.00	5.50	6.00	7.50
	AHJ	BGJ	BIJ	CDJ

ONE-HALF DOZEN IN A PACKAGE.

PLUGGING CHISELS.



Solid Forged Steel, Oil Tempered.

Size at point, in.	3/16	¼	5/16
Diam., in.	½	⅝	¾
Length, in.	9	10	11½
W't per doz., lbs.	4½	8	13
Per dozen	$4.50	5.50	6.25
	BGJ	CBE	CHJ

ONE-HALF DOZEN IN A BOX.

BUILDERS' COLD CHISELS.



Octagon, Tool Steel, Oil Tempered, Slim Taper for Prying and Ripping.

Diam., in.	½	⅝	¾
Length, in.	8	9	10
W't per doz., lbs.	5½	8¾	14
Per dozen	$3.75	5.50	8.00
	BAE	CBE	DCJ

ONE-HALF DOZEN IN A BOX.

DIAMOND POINT CHISELS.



Octagon, Tool Steel, Oil Tempered.

Size at point, in.	¼	7/32	5/16	⅜
Diam., in.	⅝	⅝	¾	¾
Length, in.	7¼	7¼	7¾	8
W't per doz., lbs.	7	7	11	15
Per dozen	$4.75	5.00	5.40	5.75
	BIJ	CJJ	CAJ	CDJ

ONE-HALF DOZEN IN A BOX.

ROUND NOSE CHISELS.

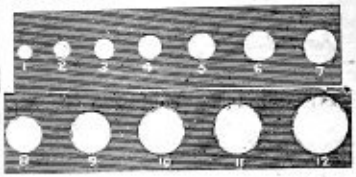


Octagon, Tool Steel, Oil Tempered.

Size at point, in.	3/16	7/32	5/16	⅜
Diam., in.	⅝	⅝	⅝	¾
Length, in.	6¾	7	7	7¼
W't per doz., lbs.	5½	6	6	9½
Per dozen	$4.75	5.00	5.40	5.75
	BIJ	CJJ	CAJ	CDJ

ONE-HALF DOZEN IN A BOX.

SADDLERS' OR BELT PUNCHES.





Length 4 Inches, Forged from Fine Tool Steel, Polished Handle, Blued Barrel, Evenly Tempered, Carefully Milled, Reamed to Allow Easy Clearance in Punching.

, sizes 1, 2 and 3, w't per doz. 1¼ lbs. .....per dozen **ACJ** $3.50

, sizes 4 and 5, w't per doz. 1¼ lbs. .....per dozen **ADE** $4.00

, sizes 6 and 7, w't per doz. 1½ lbs. .....per dozen **AEE** $4.50

, sizes 8 and 9, w't per doz. 1½ lbs. .....per dozen **AHJ** $5.25

, sizes 10 and 12, w't per doz. 2 lbs. .....per dozen **BCJ** $6.50



Cast Steel, Oil Finished, Length 3¼ Inches.

No. 50 —Sizes 1, 2, 3, 4 and 5, w't per doz. ¾ lb., per dozen .....**JHJ** $2.00

No. 50 —Sizes 6, 7, 8 and 9, w't per doz. 1¼ lbs., per dozen **JIJ** $2.25

No. 50 —Sizes 10 and 12, w't per doz. 1½ lbs.....per dozen **ABJ** $3.25



Tool Steel, Tempered, Length 3½ Inches.

No. 52—Sizes 1, 2, 3, 4, 5 and 6, w't per doz. ¾ lb. .....per dozen **JFJ** $2.00

No. 52—Sizes 7, 8 and 9, w't per doz. 1½ lbs. .....per dozen **JHJ** $2.25

No. 52—Size 10, w't per doz. 1¼ lbs., per dozen .....**ABJ** $2.50



No. 70—Rogers, fine quality steel, length 3 in. closed, 5¼ in. when open, w't per doz. 2 lbs., per doz. **DHJ** $9.00
A handy vest pocket punch. Adjustable blade. Can cut any size hole from 1/16 to 3/8 in., easily sharpened on a stone when dull. Cutter is pushed into handle when not in use.

ALL ABOVE ONE DOZEN IN A BOX.

PUNCHES.

For Sizes of Punch Hole, See Page 151.

SPRING PUNCHES.



No. 21 H.S.B.B.—Single tube, drop forged tool steel, polished, knurled handles, tube and spring straw olor, assorted sizes, length 9 in., w't per doz. 8 lbs., per dozen .....CFJ $6.00



No. 24 H.S.B.B.—4 tubes, drop forged tool steel, polished, knurled handles, tubes and spring straw color, sizes 4, 6, 8 and 10, length 9 in., w't per doz. 10 lbs., per dozen .....JHAJ $10.00

No. 10—Extra tubes, per dozen .....AAE $1.40

H.S.B.B. *Spring Punches are forged from the best tool steel.*

The Grip with its mild curve exactly fits the hand.

The Cutting Tubes are made of tool steel, tapered to allow easy escape of leather and can be changed.

The Cutting Seat is copper to protect cutting edges.

ONE-HALF DOZEN IN A BOX.



No. 544—Single tube, cast steel, polished, assorted sizes from 3 to 9, length 7½ in., w't per doz. 5¼ lbs., per dozen .....BDJ $4.25

No. 20—Extra tubes, per dozen .....JHE $1.40

ONE DOZEN IN A BOX.



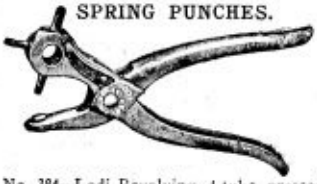
No. 4—4 tube, cast steel, polished, sizes 4, 6, 8 and 10, length 9 in., w't per doz. 8 lbs. ....per dozen JDHJ $10.00

No. 6—6 tube, otherwise same as No. 4, per dozen .....JGBJ $16.00

No. 30—Extra tubes, per dozen .....JHE $1.40

ONE-HALF DOZEN IN A BOX.

SPRING PUNCHES.



No. 384—Lodi Revolving, 4 tube, pressed steel, polished, steel drive tubes, sizes 1, 3, 5 and 7, length 8 in., w't per doz. 7 lbs.....per dozen DHJ $9.00

Extra tubes.....per dozen JGJ 1.25

ONE-HALF DOZEN IN A BOX.



No. 26—Revolving Hammer belt punch, 6 tubes, sizes 2, 4, 6, 8, 9 and 10, cold rolled steel stem, length 4 in., nicely nickel plated, w't per doz. 4½ lbs.....per dozen DEJ $8.00

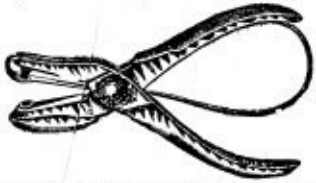
Tubes are held in place by a hollow guide in stem and can be instantly released.

ONE DOZEN IN A BOX.

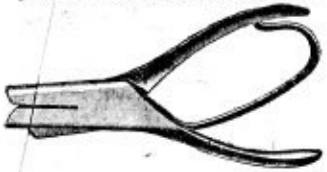
CONDUCTORS' PUNCHES.



No. 22—Wrought steel, nickel plated, fancy holes, assorted, length 5 in., w't per doz. 2 lbs., per dozen BBJ $5.00



No. 260—Wrought steel, nickel plated, with reservoir, fancy holes, length 5 in., w't per doz. 2 lbs., per dozen .....BFJ $6.00



No. 120—Nickel plated, with fancy holes, assorted, length 4½ in., w't per doz. 2½ lbs. .....per dozen JDAJ $10.00

ONE-HALF DOZEN IN A BOX.

CONDUCTORS' PUNCHES.



No. 36—Polished, round hole, length 4½ in., w't per doz. 2¼ lbs., per dozen .....EJJ $8.00

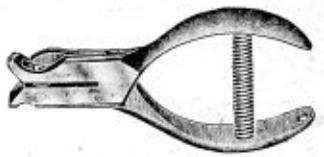
No. 137—Nickel plated, fancy holes, assorted, length 4½ in., w't per doz. 2½ lbs.....per dozen JEDJ $10.50

ONE DOZEN IN A BOX.



No. 38—Nickel plated, fancy holes, assorted, length 5¼ in., w't per doz. 3 lbs.....per dozen JHAJ $15.00

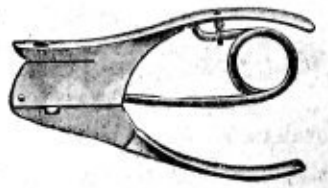
ONE-HALF DOZEN IN A BOX.



No. 263—Nickel plated, fancy holes, assorted, length 4¼ in., w't per doz. 3¼ lbs.....per dozen AHJJ $27.00

This is one of the best punches made for street car transfers and other tickets, as the numbers to be punched can be plainly seen through the punch.

ONE-HALF DOZEN IN A BOX.



No. 44—Nickel plated, fancy holes, assorted, length 4 in., w't per doz. 4 lbs. .....per dozen AIDE $28.00

ONE IN A BOX.

PLIERS.

FLAT NOSE.



Hand Forged from Best Special Swedish Plier Steel, Close Fitting Box Joints, Polished Jaws, Gun Metal Finish Handles.

No. 60 —Inches..	4	5
W't per doz., lbs.	1¼	2
Per dozen	$5.50	7.50
	CHJ	DBJ
No. 60 —Inches..	**6**	**7**
W't per doz., lbs.....	3½	6
Per dozen	$10.00	13.00
	JEDJ	JFIJ

ONE-HALF DOZEN IN A BOX.



GERMAN, Forged Steel, Oil Finished, Bright Jaws.

Nos.	14	15	16
Inches	4	5	6
W't, doz., lbs..	1¼	2	3½
Per dozen	$1.80	2.40	3.30
	AAJ	ADE	BJE

ONE DOZEN IN A BOX.

FLAT NOSE SIDE CUTTING.



Hand Forged from Best Crucible Steel, Close Fitting Box Joints, Polished Jaws, Gun Metal Finish Handles.

No. 71 —			
Inches	5	6	7
W't, doz., lbs..	4	5	7
Per dozen	$14.00	16.50	21.50
	JICE	JIHJ	AAHJ

ONE-HALF DOZEN IN A BOX.



GERMAN, Forged Steel Oil Finished, Bright Jaws.

Nos.	54	55	56
Inches	4	5	6
W't per doz., lbs. ..	2	3	4
Per dozen	$7.20	8.00	9.00
	CGJ	DHJ	EGJ

ONE-HALF DOZEN IN A BOX.

ROUND NOSE.



Hand Forged from Best Special Swedish Plier Steel, Close Fitting Box Joints, Polished Jaws, Gun Metal Finish Handles.

No. 62 —Inches..	4	5
W't per doz., lbs.	1¼	1¾
Per dozen	$5.50	7.50
	CHJ	DBJ
No. 62 —Inches..	**6**	**7**
W't per doz., lbs.	3¼	5½
Per dozen	$10.00	13.00
	JEDJ	JFIJ

ONE-HALF DOZEN IN A BOX.



GERMAN, Forged Steel, Oil Finished, Bright Jaws.

Nos.	34	35	36
Inches	4	5	6
W't per doz., lbs. ..	2	2¼	3¼
Per dozen $1.80		2.40	3.30
	AAJ	ADE	BJE

ONE DOZEN IN A BOX.

LINEMEN'S.



No. 380 —8 in., forged tool steel, highly polished jaws, with hard rubber insulated handles, w't per doz. 13 lbs. .....per dozen BAFJ $42.00

The rubber is a special composition, seamless, moulded to the handles, and almost unbreakable, offering a perfect resistance of about 2,000 volts.

ONE IN A BOX.



Crucible Steel, Highly Polished, Bright Jaws, Gun Metal Finish Handles, with Wire Cutter.

No. 260 —6 in., w't per doz. 5½ lbs. .....per dozen JIAJ $24.00
No. 270 —7 in., w't per doz. 8 lbs., per dozen .....AAJE $26.00
No. 280 —8 in., w't per doz. 12¼ lbs. .....per dozen ABIE $28.00

ONE IN A BOX.

ELECTRICIAN'S.



Round Nose.

No. 67 —5½ in., hand forged, lock joint, long polished jaws, gun metal finish handles, w't per doz. 2 lbs. .....per dozen EDJ $9.00

ONE-HALF DOZEN IN A BOX.



Round Nose Side Cutting.

No. 69 —5½ in., hand forged box joint, long polished jaws, gun metal finish handles, w't per doz. 2¼ lbs., per dozen .....JGEJ $15.00

ONE-HALF DOZEN IN A BOX.



Flat Nose.

No. 63 —5½ in., hand forged, lock joint, long polished jaws, gun metal finish handles, w't per doz. 2 lbs. .....per dozen EDJ $9.00

ONE-HALF DOZEN IN A BOX.



Flat Nose Side Cutting.

No. 65 —5½ in., hand forged, box joint, long polished jaws, gun metal finish handles, w't per doz. 2¼ lbs., per dozen .....JGBJ $15.00

ONE-HALF DOZEN IN A BOX.

PLIERS AND NIPPERS.

COMBINATION PLIERS.



SEXTET, Special Swedish Plier Steel, Polished Jaws, Gun Metal Finish Handles, Combines Flat Nose, Gas, Side and Wire Cutter Pliers, Screw Driver and Reamer.

No. 73 —			
Inches	6	7	8
W't, doz., lbs.	5½	7½	9½
Per dozen	$15.00	18.00	21.00
	JGGJ	JHCJ	AJEE

ONE IN A BOX.



Cast Steel, Forged, Raised Cutters, Oil Finished Lap Joint, Polished Jaws.

Nos.	160	170	180
Inches	6	7	8
W't, doz., lbs.	5	6	10
Per dozen	$13.50	17.00	20.00
	JEGJ	JGBJ	JHEJ

ONE-HALF DOZEN IN A BOX.

SIDE CUTTING PLIERS.



Klein's, Forged Crucible Steel, Polished Heads and Cutters, Black Handles.

Nos.	2016	2017
Inches	6	7
W't per doz., lbs.	5	7½
Per dozen	$20.85	25.00
	AEJJ	AHJJ

Nos.	2018	2019
Inches	8	9
W't per doz., lbs.	12	13
Per dozen	$30.00	33.35
	BAFJ	BDJJ

ONE IN A BOX.



No. 595—6 in., full nickel plated, gas plier, side wire cutter, screw driver and reamer, w't per doz. 3¼ lbs., per dozen .....DBJ $7.00

ONE-HALF DOZEN IN A BOX.

MILLINERS' PLIERS.



No. 450 —5 in. nickel plated, flat nose with side cutter, extra quality crucible steel, w't per doz. 2 lbs., per dozen .....JGBJ $12.00

ONE IN A BOX.

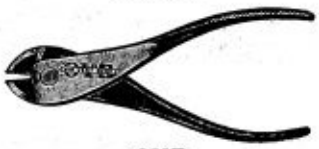


No. 464—5 in., cast steel, bright polished, combination nose and side cutting nipper, w't per doz. 2½ lbs., per dozen .....FJJ $8.50

No. 1703—5 in., nickel plated, extra quality cast steel, combination oval nose and side cutting nipper, w't per doz. 2½ lbs.....per dozen JGGJ $10.50

NO. 464, ONE DOZEN; NO. 1703, ONE-HALF DOZEN IN A BOX.

DIAGONAL CUTTING PLIERS.



No. 7 —7 in., crucible steel, polished jaws, gun metal finish, knurled handles, w't per doz. 7 lbs., per dozen .....JHFE $14.40

These are extra heavy and are designed so as to give very strong leverage in using. Will cut heavy wire with ease.

ONE DOZEN IN A BOX.



Swedish Pattern, Crucible Steel, Box Joint, Polished Jaws, Gun Metal Finish Handles.

No. 27 —		
Inches	5	6
W't per doz., lbs.	2¼	3
Per dozen	$13.00	14.00
	JHFE	AJDE

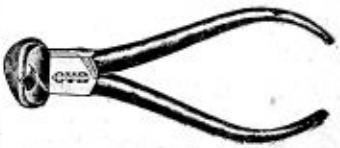
ONE-HALF DOZEN IN A BOX.

DIAGONAL CUTTING PLIERS.



No. 452—German, forged steel, box joint, polished flat jaws, length 5 in., w't per doz. 2½ lbs., per dozen DHJ $8.00

END CUTTING NIPPERS.



Hand Forged from Special Swedish Plier Steel, Box Joint, Polished Jaws, Gun Metal Finish Handles.

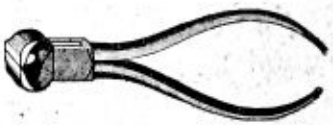
No. 77 —			
Inches	4	5	6
W't, doz., lbs.	2½	4	5½
Per dozen	$9.00	11.50	13.50
	EEJ	EFFJ	JHEJ

ONE-HALF DOZEN IN A BOX.



No. 25—Little Giant, 3 in., stamped steel, for cutting soft iron and brass wire, w't per doz. 1¼ lbs., per dozen .....AJJ $2.40

ONE-HALF DOZEN IN A BOX.



GERMAN, Box Joint, Forged Steel, Oil Finished, Polished Jaws.

No. 140—5 in., w't per doz. 3¼ lbs., per dozen .....DFJ $5.00

No. 150—6 in., w't per doz. 4½ lbs., per dozen .....EGJ $6.00

ONE-HALF DOZEN IN A BOX.

PLIERS AND STAPLE PULLERS.

FLAT NOSE PLIERS.



LODI, Wrought Steel, Bright.

Nos.	124	125	126
Length, in.	4	5	6
W't per doz., lbs.	1	1½	2¼
Per dozen	$1.00	1.50	2.00
	JEE	JHE	AAJ

ONE DOZEN IN A BOX.

CUTTING PLIERS.

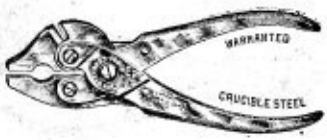


BERNARD'S, Crucible Steel, Full Nickel Plated, Parallel Jaws.

Nos.	90	91
Length, in.	4½	5½
W't per doz., lbs.	3	4¾
Per dozen	$11.50	14.50
	JIJJ	AACJ

Nos.	92	93
Length, in.	6½	8
W't per doz., lbs.	6¼	12
Per dozen	$17.50	23.50
	ACFE	AHCE

ONE-HALF DOZEN IN A BOX.



BERNARD'S, Combination Gas and Cutting Pliers, Flat Nose,

No. 128—6 in., nickel plated, crucible steel, parallel jaws, w't per doz. 6 lbs., per dozen .....ADJE $18.00

ONE-HALF DOZEN IN A BOX.

BURNER PLIERS.



, 6 in., full polished, drop forged tool steel, tempered in oil, w't per doz. 4¾ lbs. .....per dozen DBJ $8.00

ONE-HALF DOZEN IN A BOX.



No. 6 REVONOC—6 in., extra quality steel, oil finished, polished jaws, w't per doz. 4¼ lbs. ....per dozen CBJ $7.00

ONE-HALF DOZEN IN A BOX.

GAS PLIERS.



Full Polished, Drop Forged Tool Steel, Tempered in Oil.

—Inches	8	10
W't per doz., lbs.	8	11
Per dozen	$9.25	12.50
	DIE	JFJJ

ONE-HALF DOZEN IN A BOX.

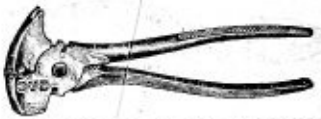


Cast Steel, Oil Finished, Polished Jaws.

Nos.	8	10
Inches	8	10
W't per doz., lbs.	7¼	11¼
Per dozen	$8.25	10.70
	CGJ	JDHJ

ONE-HALF DOZEN IN A BOX.

STAPLE PULLERS.



No. 9 —Length 10 in., forged tool steel, polished head, gun metal finish handles, w't per doz. 22 lbs., per dozen .....JIFJ $18.00

The claw head adds much to the value of this tool, combining staple puller, hammer, wire cutter and splicer.

ONE IN A BOX.



No. 19 —Length 10 in., forged tool steel, polished head, blued handles, combining staple puller, wire cutter, splicer and hammer, w't per doz. 22 lbs. .....per dozen JIFJ $18.00

ONE IN A BOX.



No. 29 REVONOC—Length 10 in., forged steel, blued finish, combining staple puller, wire cutter, splicer and hammer, w't per doz. 22 lbs., per dozen .....JGBJ $18.00

ONE-QUARTER DOZEN IN A BOX.



No. 010—**HERCULES,** cast steel, bright jaws, combining wire cutter, staple puller, splicer and hammer, length 10 in., w't per doz. 21 lbs., per dozen .....JHGJ $18.00



No. 104—**"BLACK BULL,"** forged steel, polished jaws, blued handles, combining wire cutter, staple puller, splicer and hammer, length 10 in., w't per doz. 24 lbs. ....per dozen JIFJ $18.00

ONE-HALF DOZEN IN A BOX.

WIRE CUTTERS AND PLIERS.

BUTTON PLIERS AND WIRE CUTTERS.



Extra Quality Steel, Full Polished.

No. 47 —In.	4½	6
Cut wire No.	14	11
W't per doz., lbs.	2¼	4
Per dozen	$10.00	12.00
	JCFJ	JDCJ
No. 47 —In.	8	10
Cut wire No.	8	6
W't per doz., lbs.	7¼	11
Per dozen	$15.00	20.00
	JEDJ	JGBJ

A highly finished high grade tool for constant use, the handle is rounded and fits the hand.

ONE-HALF DOZEN IN A BOX.



Stop Joint, Highest Grade Tool Steel, Full Polished, Beveled Jaws, Knurled Handles.

No. 57 —In.	4½	6
Cut wire No.	14	11
W't per doz., lbs.	2¼	4
per dozen	$10.00	12.00
	JCFJ	JDCJ
No. 57 —In.	8	10
Cut wire No.	8	6
W't per doz., lbs.	8	13
Per dozen	$15.00	20.00
	JEDJ	JGBJ

When open, the wire cutters stop opposite each other so that the plier is always ready to receive the wire. The jaws are beveled to prevent breaking wire in twisting it.

ONE-HALF DOZEN IN A BOX.



Stop Joint, Extra Heavy Wide Jaws, Polished, Forged from High Grade Tool Steel.

No. 80 REVONOC—In.	4½	6
Cut wire No.	14	11
W't per doz., lbs.	3	6
Per dozen	$10.00	12.00
	JBHJ	JCCE
No. 80 REVONOC—In.	8	10
Cut wire No.	8	6
W't per doz., lbs.	10	17
Per dozen	$15.00	20.00
	JDBJ	JECE

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



CRONK'S, Cast Steel, Bright Jaws.

No. 198—8 in., w't per doz. 9 lbs., per dozen .....JGBJ $15.00

No. 200—10 in., w't per doz. 14 lbs., per dozen .....JIFJ $20.00

ONE-HALF DOZEN IN A BOX.

BUTTON PLIERS AND WIRE CUTTERS.



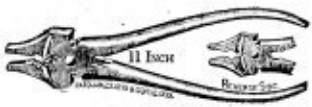
Cast Steel, Polished Jaws, Black Handle.

No. 50 CRUSO—			
Length, in...	6	8	10
W't, doz., lbs..	4	8	12
Per dozen	$12.00	15.00	20.00
	JBGJ	JCCJ	JDCJ

A strong, well made plier.

ONE-HALF DOZEN IN A BOX.

FENCING PLIERS.



No. 12—Cronk's, forged tool steel, polished jaws, combining plier, wire cutter, staple puller and hammer, length 11 in., w't per doz. 21 lbs., per dozen .....JIFJ $18.00

ONE-HALF DOZEN IN A BOX.

COMBINATION PLIERS.



No. 097—7½ in., black finish, forged from high grade tool steel, w't per doz. 7 lbs.....per dozen BDJ $9.00

These pliers have a narrow jaw and are especially useful for work on automobiles.

ONE-HALF DOZEN IN A BOX.



No. 3120—6 in., nickel plated, cast steel, combining gas plier, wire cutter, wrench and screw driver, w't per doz. 6 lbs. .....per dozen JCJJ $15.00

Extra Bolts and Nuts, for No. 3120, per dozen .....JGE $1.20

No. 305—Cruso, 5 in., w't per doz. 4½ lbs., otherwise same as No. 3120, per dozen .....JBAE $15.00

No. 306—Cruso, 6 in. combination pliers, knurled handle, nickel finish, w't per doz. 6 lbs., otherwise same as No. 3120, per dozen .....JBAE $15.00

ONE IN A BOX.

COMBINATION PLIERS.



, Finely Nickel Plated, Crucible Steel, Knurled Handles, Narrow Jaw.

Nos.	206	208	210
Length, in. ...	6	8	10
W't, doz., lbs..	6	9	12
Per dozen	$15.00	18.00	21.00
	AJJJ	ABJJ	ADJJ

A combination gas plier, wire cutter, wrench and screw driver.

ONE IN A BOX.



REVONOC, Knurled Handle.

No. 600 REVONOC—6 in., nickel plated cast cast steel, combining side cutter, gas plier, screw driver and reamer, w't per doz. 6½ lbs....per dozen JEDJ $18.00



REVONOC

High Grade Tool Steel, Drop Forged, Combining Gas Plier, Wire Cutter, Wrench and Screw Driver.

No. 320 REVONOC—6 in., oil finished, w't per doz. 6 lbs., per doz. JDDJ $13.50

No. 322 REVONOC—6 in., nickel plated, w't per doz. 6 lbs., per dozen .....JDHJ $15.00



REVONOC

High Grade Tool Steel, Drop Forged, Combining Gas Plier, Wire Cutter, Wrench and Screw Driver.

No. 320½ REVONOC—8 in., oil finished, w't per doz. 9 lbs., per doz. JEAE $16.00

No. 321 REVONOC—10 in., oil finished, w't per doz. 12 lbs., per doz. JEHJ $18.00

No. 322½ REVONOC—8 in., nickel plated, w't per doz. 9 lbs., per dozen .....JEHJ $18.00

No. 323 REVONOC—10 in., nickel plated, w't per doz. 12 lbs., per dozen .....JFHJ $21.00

ONE IN A BOX.

PINCERS AND BOLT CLIPPERS.

CARPENTERS' PINCERS.



O. K., Extra Quality, Black Finish, Knurled Handles, with Claw, Screw Driver and Wire Cutter.

Sizes	6	8	10	12
W't, doz., lbs.	4½	9	12	14
Per dozen ...	$6.00	7.50	8.50	10.00
	CBJ	DBJ	DHJ	JEIJ



Riverside, Extra Quality, Black Finish, with Claw, Screw Driver and Wire Cutter.

Sizes	6	8	10	12
W't, doz., lbs.	4½	9	12	14
Per dozen ...	$5.00	6.50	7.50	9.00
	BEJ	CCE	CIE	DHJ



Cruso, Good Quality, Oil Finish with Claw and Screw Driver.

Sizes	6	7	8	10
W't, doz., lbs.	4¼	8¼	9½	13
Per dozen ...	$4.50	5.50	6.50	7.00
	BCJ	BIJ	CJE	CFJ

ONE-HALF DOZEN IN A BOX.

SHOE PINCERS.



No. 02—Cast Steel, full polished, length 8 in., w't 7½ lbs., per doz. **FFJ** $9.00

ONE DOZEN IN A PACKAGE.

BOLT CUTTER.



Forged Tool Steel, Adjustable Jaws, Japanned Malleable Iron Handles, All Parts Interchangeable, Ample adjustment to take up the wear on the cutting Edges.

No. 10—Length 10 in., capacity with clipper cut jaws, ⅜ in. annealed bolts in the thread, or ⅞ in soft rivets. Capacity with center cut jaws, ⅞ in. soft rods, w't 3½ lbs. .....each **ABJ** $2.00

No. 14—Length 14 in., capacity with clipper cut jaws, ½ in. annealed bolts in the thread, or ⅝ in. soft rivets, capacity with center cut jaws, ⅝ in. soft rods, w't 2¼ lbs., each **AEJ** $2.50

The O. K. Cutters are made to meet the demand for a lower priced bolt cutter than the regular New Easy, being a necessity for farm and household.

TWENTY-FIVE IN A CASE.

PORTER'S BOLT CLIPPERS.

PORTER'S "NEW EASY," Compound Lever Action, Forged Tool Steel Adjustable Jaws, Japanned Malleable Iron Handles, Rubber Buffers, All Parts Interchangeable.



These Clippers Have an Adjusting Set Screw Requiring no Special Schem or Wrench.

No. 0—For bolts ⅜ in. and smaller, length 18 in., w't 3 lbs., each .....**AIJ** $3.75

No. 1—For bolts ½ in. and smaller, length 24 in., w't 4¼ lbs., each .....**BEJ** $5.00

Extra Jaws, for No. 0 .....per pair **JIE** 1.35
Extra Jaws, for No. 1 .....per pair **AAE** 1.65

ONE-HALF DOZEN IN A CASE.



PORTER'S "NEW EASY"—Equalizing Device is in the Gear Teeth Between the Two Jaws. Any Degree of Adjustment is Secured by Means of the Set Screw and Eye Bolt. Requires only an ordinary Monkey Wrench for Use on All Parts.

No. 2—For bolts ½ in. and smaller, length 30 in., w't 7½ lbs., each .....**CEJ** $7.00

No. 3—For bolts ⅝ in. and smaller, length 36 in., w't 12½ lbs., each .....**DEE** $9.00

Extra Jaws, for No. 2 .....per pair **AGJ** 2.35
Extra Jaws, for No. 3 .....per pair **BAJ** 3.00

ONE-HALF DOZEN IN A CASE.



PORTER S "EASY"—Equalizing Device is in the Equalizing Gears. Adjustment is Secured by Steps by the Use of Schems. Requires Special Wrench for Use on Lock Nuts.

No. 11—For bolts ½ in. and smaller, length 24 in., w't 4¼ lbs., each .....**BDJ** $5.00

Extra Jaws, for No. 11 .....per pair **ABJ** 1.65

ONE-HALF DOZEN IN A CASE.



PORTER'S "EASY"—A Steel Schem and Wrench is Furnished with Each Clipper for Adjusting.

No. 12—For bolts ½ in. and smaller, length 30 in., w't 7½ lbs., each .....**CAE** $7.00

Extra Jaws, for No. 12 .....per pair **AFE** $2.35

ONE-HALF DOZEN IN A CASE.

PINCERS AND FARRIERS' NIPPERS.

Pincers and Pliers are superior in every way. They are made of fine tool steel, carefully tempered and extra finished

BLACKSMITHS' PINCERS.



Finest Quality Solid Steel, Polished Jaws.

—Inches	10	12	14
W't doz., lbs..	18	20	25
Per dozen.....	$13.00	13.50	15.50
	JFCJ	JFHJ	JGBJ

ONE-HALF DOZEN IN A BOX.



Solid Steel, Oil Finished, Polished Jaws.

Nos.	410	412	414
Inches	10	12	14
W't doz., lbs..	18	20	25
Per dozen.....	$11.00	11.50	13.50
	JEIJ	JFCJ	JFGJ

ONE-HALF DOZEN IN A BOX.

LARSON PINCERS.



Drop Forged Tool Steel, Japanned, Polished Jaws.

Nos.	5	4	2 Heavy
Inches	8	11	13
W't doz., lbs..	8	16	20
Per dozen.....	$6.75	9.75	12.00
	EDJ	GHJ	JIFJ



No. 1—13 in., hoof-nippers, drop forged tool steel, japanned, polished jaws, w't per doz. 19 lbs., per dozen .....AJBJ $12.75

ONE-HALF DOZEN IN A BOX.



No. 3—14 in., combination, drop forged tool steel, polished jaws, for general use, w't per doz. 26 lbs., per dozen .....AJBJ $12.75

ONE-HALF DOZEN IN A BOX.

FARRIERS' SHOEING PINCERS.



No. 034—14 in., solid steel, polished jaws, w't per doz. 35 lbs., per dozen .....AJCJ $24.00

ONE-SIXTH DOZEN IN A BOX.



No. 64—Heller's, 14 in., cast steel, polished jaws, w't per doz. 33 lbs., per dozen .....AFBJ $24.00

ONE-QUARTER DOZEN IN A BOX.

HOOF CUTTING NIPPERS.



Extra Tool Steel, Full Polished.

No. 520 —12 in., w't per doz. 21 lbs. .....per dozen ADDJ $24.00

No. 540 —14 in., w't per doz. 23 lbs. .....per dozen AHJJ $30.00

ONE-HALF DOZEN IN A BOX.



Solid Steel, Polished Jaws.

No. 30 —12 in., w't per doz. 21 lbs., per dozen.....JHDJ $15.00

No. 32 —14 in., w't per doz. 23 lbs., per dozen.....JIJJ $16.00

ONE-HALF DOZEN IN A BOX.

HOOF CUTTING NIPPERS.



HELLER'S Cast Steel, Full Polished.

No. 70—10 in., w't per doz. 18 lbs., per dozen .....ACAJ $19.20

No. 720—12 in., w't per doz. 21 lbs., per dozen .....AFBJ $24.00

No. 740—14 in., w't per doz. 31 lbs., per dozen .....AHHJ $28.00

ONE-HALF DOZEN IN A BOX.

HOOF PARING NIPPERS.



Extra Cast Steel, Full Polished.

No. 620 —12 in., w't per doz. 23½ lbs. .....per dozen ADGE $24.00

No. 640 —14 in., w't per doz. 25½ lbs. .....per dozen AHJJ $28.80

ONE-HALF DOZEN IN A BOX.



Solid Steel, Polished Jaws.

No. 212 —12 in., w't per doz. 23½ lbs. .....per dozen ACBJ $24.00

No. 214 —14 in., w't per doz. 25½ lbs. .....per dozen AGBJ $28.80

ONE-HALF DOZEN IN A BOX.



HELLER'S, Cast Steel, Full Polished.

No. 820—12in., w't per doz. 22 lbs., per dozen .....AEFJ $24.00

No. 840—14 in., w't per doz. 32 lbs., per dozen .....AHFJ $28.80

ONE-HALF DOZEN IN A BOX.

WRENCHES.

REVONOC KNIFE HANDLE.



Forged Steel Bar Through End of Handle, Case Hardened Jaws, Two Rivets in Handle.

No. 14—			
Length, in...	6	8	10
Opening, in...	1	1¼	1¼
W't, doz., lbs.	9	16	26
Per dozen	$9.00	10.00	12.00
	DFJ	JEAE	JFAE
No. 14—			
Length, in...	12	15	18
Opening, in...	2¼	2⅝	3
W't, doz., lbs.	38	55	80
Per dozen	$14.00	24.00	30.00
	JGBJ	ABCJ	AEDJ

6 TO 12 IN., ONE-HALF DOZEN; 15 AND 18 IN., ONE-THIRD DOZEN IN A WOOD BOX WITH SLIDE COVER; 6 TO 12 IN., SIX DOZEN; BALANCE, THREE DOZEN IN A CASE.

COE'S STANDARD.



Forged Steel Bar, Head and Screw, Hardwood Knife Handle.

Length, in. ...	6	8	10
Opening, in. ..	⅞	1¼	1¼
W't, doz., lbs.	8½	16	26
Per dozen	$9.00	10.00	12.00
	DHE	JEDJ	JFEJ
Length, in.	12	15	
Opening, in.	2¼	2½	
W't per doz., lbs.....	38	56	
Per dozen	$14.00	24.00	
	JGEE	ABIE	
Length, in.	18	21	
Opening, in.	3⅛	4	
W't per doz., lbs.....	81	108	
Per dozen	$30.00	36.00	
	AFBJ	AIDE	

6 TO 12 IN., ONE-HALF DOZEN; BALANCE, ONE-THIRD DOZEN IN A PACKAGE. 6 TO 12 IN., SIX DOZEN, BALANCE, THREE DOZEN IN A CASE.

GIRARD AGRICULTURAL.



Wrought Steel Bar, Head and Screw, Oil Finished Hardwood Handle.

No. 400—			
Length, in...	6	8	10
Opening, in...	1	1¼	2
W't, doz., lbs.	8	15	22
Per dozen	$10.00	12.00	14.00
	JBAE	JBFJ	JCJJ
No. 400—Length, in....	12	15	
Opening, in.	2	2½	
W't per doz., lbs.....	26	40	
Per dozen	$17.00	24.00	
	JCFE	JEBJ	

ONE-HALF DOZEN IN A PACKAGE. 6 TO 12 IN., SIX DOZEN; 15 IN., THREE DOZEN IN A CASE.

GIRARD STANDARD.



Forged Steel Bar, Head and Screw, Oil Finished Hardwood Handle, Warranted.

No. 401—Length, in....	6	8
Opening, in.	1	1¼
W't per doz., lbs.....	8½	15
Per dozen	$9.00	10.00
	JGIJ	JDCJ
No. 401—Length, in....	10	12
Opening, in.	1¼	2½
W't per doz., lbs.....	25	35
Per dozen	$12.00	14.00
	JEBJ	JFJE

ONE-HALF DOZEN IN A PACKAGE; 6 TO 12 IN., SIX DOZEN IN A CASE.

P. S. & W. CO.'S SOLID HANDLE.



One Piece, Solid Steel Forging, Case Hardened, Oil Finished Hardwood Riveted Handle, Warranted.

No. 86—			
Length, in...	6	8	10
Opening, in...	1	1¼	1¼
W't, doz., lbs.	9	16	26
Per dozen	$9.00	10.00	12.00
	DFJ	JEAE	JFAE
No. 86—Length, in.....	12	15	
Opening, in.	2¼	2⅝	
W't per doz., lbs.....	38	55	
Per dozen	$14.00	24.00	
	JGBJ	ABCJ	
No. 86—Length, in.....	18	21	
Opening, in.	3	4	
W't per doz., lbs.....	80	126	
Per dozen	$30.00	36.00	
	AEDJ	AHDE	

6 TO 12 IN., ONE-HALF DOZEN; 15 AND 18 IN., ONE-THIRD DOZEN; 21 IN., ONE-TWELFTH DOZEN IN A WOOD BOX WITH SLIDE COVER; 6 TO 12 IN., SIX DOZEN; BALANCE, THREE DOZEN IN A CASE.

P. S. & W. CO.'S ALL STEEL.



Head, Bar and Handle Forged Solid from One Piece of Steel, Black.

No. 87—			
Length, in...	6	8	10
Opening, in...	1	1¼	1¼
W't, doz., lbs.	10	18	33
Per dozen	$9.00	10.00	12.00
	DFJ	JEAE	JFAE
No. 87—Length, in.....	12	15	
Opening, in.	2¼	2⅝	
W't per doz., lbs.....	50	73	
Per dozen	$14.00	24.00	
	JGBJ	ABCJ	
No. 87—Length, in.....	18	21	
Opening, in.	3	4	
W't per doz., lbs.....	102	162	
Per dozen	$30.00	36.00	
	AEDJ	AHDE	

6 TO 12 IN., ONE-HALF DOZEN; 15 AND 18 IN., ONE-THIRD DOZEN; 21 IN., ONE-TWELFTH DOZEN IN A BOX.

UNIVERSAL GRIP.



—8¼ in., polished raised surfaces, grips from ¾ to 1 in. diameters, dies for rethreading ⅜, ½ and ⅝ in. bolts, w't per doz. 11½ lbs., per dozen .....JCFJ $10.00

Drop forged, nicely finished, guaranteed first class.

ADJUSTABLE "S."



WESTCOTT PATTERN, Japanned, Polished Jaws and Edges.

No. 60—Length, in.....	6	8
Opening, in.	¾	1
W't per doz., lbs.....	6¼	13
Per dozen	$7.20	9.00
	DCJ	EDJ
No. 60—Length, in.....	10	12
Opening, in.	1⅜	1⅝
W't per doz., lbs.....	22½	33½
Per dozen	$12.00	15.00
	JGBJ	JIJJ



B. & C. WESTCOTT PATTERN, Forged Steel, Japanned, Polished Jaws and Edges.

No. 48—			
Length, in...	6	8	10
Opening, in...	¾	1	1¼
W't, doz., lbs.	6	12	24
Per dozen	$7.20	9.00	12.00
	DEE	EGJ	GEE
No. 48—Length, in.....	12	14	
Opening, in.	1⅝	2	
W't per doz., lbs.....	36	57	
Per dozen	$15.00	21.00	
	JIDJ	ACBJ	

To the convenience of the S wrench is added the adjustable features which make it a very handy tool. The opening given is the safe working capacity, although the jaws can be spread considerably wider.

ONE-HALF DOZEN IN A BOX.

ADJUSTABLE WRENCHES.



B. & C. Straight Handle Adjustable Wrenches, Forged Steel, Japanned, Polished Jaws and Edges.

No. 175—			
Length, in...	6	8	10
Opening, in...	¾	1	1⅜
W't, doz., lbs.	6	12	20
Per dozen	$7.20	9.00	12.00
	DEE	EGJ	JGEE

ONE-HALF DOZEN IN A BOX.

WRENCHES.

DROP FORGED STEEL.



UNFINISHED, Double Head, Engineers' Pattern, 15 Degree Angle, Milled for U. S. Standard Nuts.

Nos.	21T	23T	25T
Size bolts, in.	3/16&3/16	1/4&1/4	5/16&5/16
Openings, in.	5/16&13/32	13/32&1/2	1/2&19/32
Extreme length, in.	3½	4	4⅝
W't per doz., lbs.	2	2¼	2¾
Per dozen	$1.44 JFJ	1.68 JGE	2.04 JIE

Nos.	27T	29T	31T
Size bolts, in.	3/8&3/8	7/16&7/16	1/2&1/2
Openings, in.	15/32&11/16	11/16&25/32	25/32&7/8
Extreme length, in.	5⅞	6⅞	7¾
W't per doz., lbs.	3¼	4½	7
Per dozen	$2.52 AAE	3.00 ACE	3.60 AEE

Nos.	33T	35T	37T
Size bolts, in.	9/16&9/16	5/8&5/8	3/4&3/4
Openings, in.	7/8&31/32	31/32&1 1/16	1 1/16&1 1/4
Extreme length, in.	8⅞	9½	11⅝
W't per doz., lbs.	8½	12½	18⅛
Per dozen	$4.44 AIJ	5.52 BDJ	7.92 CDJ

Nos.	39T	41T
Size bolts, in.	7/8&7/8	1&1
Openings, in.	1 3/16&1 5/16	1 5/16&1 7/16
Extreme length, in.	13½	15⅝
W't per doz., lbs.	24	36
Per dozen	$12.00 JFEJ	16.80 JIEE

SEMI-FINISHED, Double Head, Engineers' Pattern, 15 Degree Angle, Milled for U. S. Standard Nuts, Case Hardened.

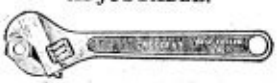
Nos.	021T	023T	025T
Size bolts, in.	1/4&5/16	5/16&3/8	3/8&7/16
Openings, in.	5/16&13/32	13/32&1/2	1/2&19/32
Extreme length, in.	3¼	4	4¾
W't per doz., lbs.	2	2¼	2¾
Per dozen	$2.04 JIJ	2.52 AAJ	3.00 ACJ

Nos.	027T	029T	031T
Size bolts, in.	7/16&3/8	3/8&7/16	7/16&1/2
Openings, in.	15/32&11/16	11/16&25/32	25/32&7/8
Extreme length, in.	5⅛	6⅛	7¼
W't per doz., lbs.	3¼	4½	7
Per dozen	$3.72 AGJ	4.44 BJE	5.40 BCE

Nos.	033T	035T	037T
Size bolts, in.	1/2&9/16	9/16&5/8	5/8&3/4
Openings, in.	7/8&31/32	31/32&1 1/16	1 1/16&1 1/4
Extreme length, in.	8⅜	9¾	11⅝
W't per doz., lbs.	8½	12½	18⅛
Per dozen	$5.60 BHE	8.16 CEE	11.52 JEJJ

LOOSE.

ADJUSTABLE.



CRESCENT, Forged Steel, Ribbed Handle, Special Steel Jaws, Hardened, Tempered and Polished, 22½ Degree Angle Engineers' Wrench.

Size, in.	4	6	8	10	12
Opening, in.	9/16	¾	15/16	1¼	1 5/16
W't per doz.,	1½	4	8	15	24 lbs.
Per dozen	$7.80 FBE	7.80 FBE	9.60 GGJ	12.00 JIFJ	15.00 ABJJ

ONE IN A BOX.



Crescent, Double End, Forged Steel, Ribbed Handle, Special Steel Jaws, Hardened, Tempered and Polished, 22½ Degree Angle Engineer's Wrench.

Nos.	68	80
Size, in.	8	10
Opening, in.	¾&1⅛	1⅛&1⅜
W't per doz., lbs.	8½	15
Per dozen	$15.00 ABJJ	18.00 ADDJ

Parts are interchangeable with Crescent single end wrenches. Each wrench combines the sizes on two single end wrenches.

ONE IN A BOX.



Carll, Forged Steel, Black Finish, Polished Jaws Hardened and Tempered.

Nos.	66	610
Size, in.	6	10
Opening, in.	1¼	1¾
W't per doz., lbs.	5½	18
Per dozen	$7.80 FBE	12.00 JIFJ

The sliding jaw is reversible and can be used either as a nut or pipe wrench. Thin jaws allow wrench to be used in a place inaccessible to other wrenches.

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

GENERAL PURPOSE.



Standard Nut Size	Openings for Bolt, Finished.	Extreme Length	Thickness of Head
3/8 x 1/4 in.	3/8 x 1/2 in.	6¼ in.	3/32 in.
1/4 x 5/16 in.	1/2 x 3/4 in.	7¼ in.	1/4 in.
5/16 x 3/8 in.	5/8 x 7/8 in.	8¼ in.	5/16 in.
3/8 x 7/16 in.	3/4 x 7/8 in.	9¼ in.	3/8 in.
7/16 x 1/2 in.	7/8 x 1 in	10⅜ in.	7/16 in.

No. 100—Unfinished drop-forged steel, in sets of 5 sizes, w't per set 2½ lbs., per set ..... J F J $1.58

ONE SET IN A BUNDLE. SOLD IN SETS ONLY.

GENERAL PURPOSE.



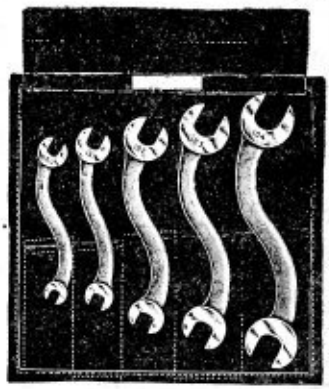
Drop Forged Steel, Unfinished.

Nos.	475	477	479
Size bolts, in.	3/8 to 1/2	1/2 to 5/8	5/8 to 3/4
Openings, in.	19/32&1/2	1/2&5/8	5/8&11/16
Length, in.	6¾	7½	8¾
W't per doz., lbs.	2	3½	6½
Per dozen	$2.16 JHJ	2.76 AJJ	3.48 ABE

Nos.	481	483
Size bolts, in.	3/4 to 7/8	7/8 to 1
Openings, in.	11/16&25/32	25/32&15/16
Length, in.	9¼	10⅜
W't per doz., lbs.	9½	14
Per dozen	$4.56 APE	6.00 BAE

ONE-HALF DOZEN IN A BOX.

GENERAL PURPOSE SETS IN ROLLS.



Set Consists of 5 Wrenches, One Each Nos. 475, 477, 479, 481 and 483. For Bolts 5/16 to ½ in. In Canvas Rolls.

No. 110—Unfinished, drop forged, w't per set 2½ lbs. ....per set J G J $1.85

No. 115—Semi-finished, case hardened, w't per set 2¾ lbs., per set J H E $2.29

CAR.



UNFINISHED, 22½ Degree Angle, Milled for U. S. Standard Nuts.

Nos.	367	373
Size bolts, in.	3/4&3/4	7/8&7/8
Openings, in.	25/32&25/32	1 1/16&1 1/16
Length, in.	12	20
W't per doz., lbs.	18	42
Per dozen	$6.60 CHJ	13.80 JGHE

Nos.	376	383
Size bolts, in.	1/4&3/4	1&1 1/4
Openings, in.	1 5/16&1 1/2	1 13/16&2 1/16
Length, in.	21	24
W't per doz., lbs.	48	77
Per dozen	$16.20 JIBE	27.00 AECE

LOOSE.

WRENCHES.

ALLIGATOR PATTERN.



No. 1 —5½ in., cast steel, case hardened, polished jaws, open handle, for ⅛ to ⅜ in. pipe, ¼ to ¾ in. round iron, w't per doz. 3⅜ lbs., per dozen .....**AAJ** $4.00

No. 01—Cruso, 5½ in., cast steel, polished, open handle, for ⅜ to ¾ in. pipe and ¼ to ¾ in. round iron, w't per doz. 3½ lbs., per dozen **JHJ** $4.00

ONE DOZEN IN A BOX.



Drop Forged Steel, Polished Raised Jaws, Open Handle.

No. 12 —5½ in., for pipe ⅛ to 1 in., for round iron ¼ to ¾ in., w't per doz. 4¾ lbs., per doz. **ADE** $4.50

No. 13 —7 in., for pipe ¼ to ⅜ in., for round iron ⅜ to 1¼ in., w't per doz. 9¼ lbs., per dozen **BDJ** $8.00

NO. 12 , ONE DOZEN; NO. 13 ,

ONE-HALF DOZEN IN A BOX.



Handy, Forged Steel, Solid Handle.

No. 02—9 in., for pipe ⅛ to ¼ in., for round iron ½ to 1 in., w't per doz. 11½ lbs.....per dozen **JCCJ** $12.00

No. 03—15 in., for pipe ½ to 1¼ in., for round iron ¾ to 1¾ in., w't per doz. 36 lbs.....per dozen **JGBJ** $24.00

LOOSE.

TWIN ALLIGATOR PATTERN.



No. 130 —10 in., drop forged steel, polished raised jaws, for pipe ⅛ to ¾ in., for round iron ¼ to 1 in., w't per doz. 15 lbs., per dozen .....**JEDJ** $18.00

ONE-HALF DOZEN IN A BOX.

RONSON.



No. 204—6 in., drop forged nickel plated, carefully tempered, consists of 4 open end slotted wrenches fastened together with bolt and wing nut, wrenches fit U. S. Standard nuts on bolts from ⅛ to ⅞ in. diameter, also has ⅜ in. square opening in head of ¾ in. wrench, w't per doz. 6 lbs., per dozen **JGBJ** $20.00

ONE IN A BOX; ONE DOZEN IN A CARTON.

ALWAYS READY.

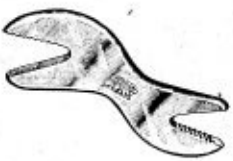


Drop Forged Steel, Chased Body, Polished Raised Jaws.

No. 101 —5 in., for nuts ¼ to ¾ in., w't per doz. 6 lbs., per dozen .....**BGJ** $4.60

No. 102 —7 in., for nuts ¼ to 1¼ in., w't per doz. 12¾ lbs., per dozen .....**CGJ** $6.30

ONE-HALF DOZEN IN A BOX.



Drop Forged Steel, Nickel Plated, Polished.

No. 1½ —5 in., for nuts ¼ to ¾ in., w't per doz. 6 lbs., per dozen .....**BIJ** $5.00

No. 2 —7 in., for nuts ¼ to 1¼ in., w't per doz. 12¾ lbs., per dozen .....**CFE** $6.75

No. 2½ —9 in., for nuts ¼ to 1¾ in., w't per doz. 24¾ lbs., per dozen .....**JEGJ** $10.50

No. 3 —11 in., for nuts ¾ to 1¾ in., w't per doz. 35 lbs., per dozen .....**JICE** $16.00

ONE-HALF DOZEN IN A BOX.

BOLT.



No. 23 —6 in., black, solid, cast steel of superior quality, oil tempered, re-threads bolts ⅛, ¼ and ½ in., for round iron ¾ to ⅞ in., w't per doz. 37½ lbs.....per dozen **BJE** $5.50

ONE DOZEN IN A BOX.



No. 27 —6 in., nickel plated, solid cast steel of superior quality, oil tempered, re-threads bolts ⅛, ¼ and ½ in., for round iron ¾ to ⅞ in., w't per doz. 41½ lbs.....per dozen **BGJ** $7.50

ONE DOZEN IN A BOX.

ELGIN WRENCHES.





Jaw.

No. 202—7 in., for ⅛ to ⅜ in. pipe and ¾ to ⅜ in. round iron, wrought steel, hardened jaws, nickel plated and polished, w't per doz. 7½ lbs., per dozen .....**JGEJ** $12.00

Extra Toothed Jaws..... **BAJ** 3.60

The upper part of wrench is adjustable and is held open by a spring. It can be closed by the thumb nut until both jaws meet, giving the tool a wide range of work. The extra jaws are very easily adjusted and they renew the wrench indefinitely.

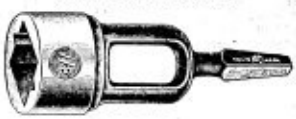
WRENCHES, ONE DOZEN IN A BOX.

ELGIN WRENCH SETS.



Elgin, in sets consisting of 1 Elgin wrench, 1 rethreading attachment having a ¼ in. square insert for taps, 5 rethreading dies in strong black walnut case, w't per set 15½ lbs., per set .....**CCJ** $5.50

NUT WRENCHES.



Cast Steel, Polished Head.

No. 95—In...	⅜	7/16	½	9/16
For nuts on bolts	5/16	¼	⅜	⅜
W't, doz., lbs.	1½	2½	2⅞	3⅛
Per dozen ..	$1.75	2.00	2.00	2.50
		AGJ	AIJ	AIJ	BDJ
No. 95—In...	⅝	¾	⅞	1
For nuts on bolts	⅜	7/16	½	⅝
W't, doz., lbs.	4¼	5¼	6½	8
Per dozen ..	$2.50	3.00	3.50	4.00
		BDJ	AIJ	CCE	CHE

ONE-QUARTER DOZEN IN A BOX.

PIPE TOOLS.

STILLSON PIPE WRENCHES.

GJ-E-E%



Double Spring, Hardwood Handle.

No. 20—In...	6	8	10	14
For pipe, in.	⅛to½	⅛to¾	⅛to1	⅛to1½
W't per doz., lbs.	6	9	19	38
Per dozen	$24.00	24.00	27.00	36.00



Double Spring, Solid Steel Handle.

No. 20—In...	18	24	36	48
For pipe, in.	¼to2	¼to2½	½to3½	1to5
W't per doz., lbs.	54	96	180	300
Per dozen	$48.00	72.00	144.00	216.00

6 TO 24 IN., ONE-HALF DOZEN; 36 IN., ONE-SIXTH DOZEN IN A BOX; 48 IN., LOOSE.

EXTRA PARTS FOR STILLSON WRENCHES.

GJ%



Jaw. Nut. Frame.

Inches	6	8	10	14
Jaws, per dozen	$9.00	9.00	9.60	12.00
Nuts, per dozen	1.80	1.80	2.40	2.40
Frames, per dozen	4.20	4.20	4.80	6.00

Inches	18	24	36	48
Jaws, per dozen	$15.96	25.20	57.00	87.00
Nuts, per dozen	2.64	4.20	6.60	11.40
Frames, per dozen	6.60	9.60	15.60	18.00

TRIMO PIPE WRENCHES.

GJ-B A/B%

Japanned, Polished Head and Jaws.



Hardwood Handle.

No. 25—In...	6	8	10	14
For pipe, in.	⅛to½	⅛to¾	⅛to1	⅛to1½
W't per doz., lbs.	6	9	19	40
Per dozen	$24.00	24.00	27.00	36.00

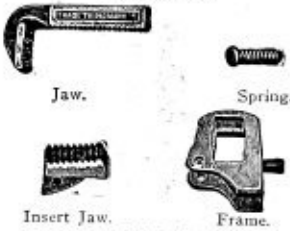


Solid Steel Handle.

No. 25—In...	18	24	36	48
For pipe, in.	¼to2	¼to2½	½to3½	1to5
W't per doz., lbs.	60	96	192	300
Per dozen	$48.00	72.00	144.00	216.00

6 TO 24 IN., ONE-HALF DOZEN; 36 AND 48 IN., ONE-SIXTH DOZEN IN A CASE.

EXTRA PARTS FOR TRIMO WRENCHES.



Jaw. Spring.

Insert Jaw. Frame.

FE-AJ-B%

Inches	6	8	10	14
Movable jaws, per dozen.	$9.00	9.00	9.60	12.00
Nuts, per dozen	1.32	1.32	1.68	2.04
Inserted jaws, per dozen.	4.20	4.20	5.40	6.60
Frames, per dozen	4.20	4.20	4.80	6.00
Springs, per dozen	.36	.36	.36	.36
Frame pins, per dozen.	.36	.36	.48	.48
Jaw pins, per dozen	.36	.36	.48	.48

Inches	18	24	36	48
Movable jaws, per dozen.	$15.96	25.20	57.00	87.00
Nuts, per dozen	2.64	4.20	6.60	11.40
Inserted jaws, per dozen.	7.80	9.00	12.60	16.20
Frames, per dozen	6.60	9.60	15.60	18.00
Springs, per dozen	.48	.48	.48	.48
Frame pins, per dozen.	.48	.48	.60	.60

WRENCHES.



CC A/C%

Drop Forged Steel, Saw Tempered Jaws, Flat Link Chain.

Nos.	31	32	33
For pipe, in.	⅛to1½	⅛to2½	¼to4
Length, in.	20	27	37
W't per doz., lbs.	57	105	192
Per dozen	$42.00	60.00	84.00

Nos.	33½	34	35
For pipe, in.	1to6	1½to8	2to12
Length, in.	44	50	64
W't per doz., lbs.	252	348	588
Per dozen	$108.00	132.00	216.00

TRIMO PIPE CUTTERS.

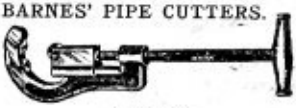


FJ-B, A/B%

With Cutter and Two Rollers.

No. 55—Sizes	1	2	3
Length, in.	15	18	19
For pipe, in.	⅛to1¼	½to2	1¼to3
W't per doz., lbs.	60	66	84
Per dozen	$54.00	72.00	120.00
Extra cutters, per dozen	$3.60	3.60	4.80

BARNES' PIPE CUTTERS.



GJ-BJ%

Three Wheel, Malleable Frame, Crucible Steel Cutters and Pins.

Nos.	1	2	3	4
For pipe, in.	⅛to1	½to2	1½to3	2½to4
W't doz., lbs.	36	51	96	150
Per dozen	$54.00	72.00	120.00	240.00
Extra cutters, per dozen	$3.00	3.60	4.80	6.00



DJ-E%

With Long Nut.

No. 46—In...	8	10	12	15
Opening, in.	2¼	2¾	3¼	3½
For pipe, in.	¼to¾	¼to1	½to1¼	½to2¼
W't per doz., lbs.	14	25	38	55
Per dozen	$23.00	25.25	28.50	40.50



DJ-AJ-E%

With Long Nut.

No. 45—Inches	10	12	15
Opening, in.	2¾	3¼	3½
For pipe, in.	¼to1	½to1¼	½to2¼
W't per doz., lbs.	29	43	58
Per dozen	$25.25	28.50	40.50

ONE-HALF DOZEN IN A BOX.

TONGS AND ANVIL TOOLS.

PICK-UP TONGS.



No. 201—22 in., drop forged steel, oil finished, for picking up hot iron, w't 3¼ lbs. .....per dozen **JFJJ** $11.50

GAD TONGS.



No. 202—20 in., drop forged steel, oil finish, w't per doz. 2¼ lbs., per dozen .....**CHJ** $7.50

BOLT TONGS.



Drop Forged Steel, Oil Finished.

No. 203—Size of iron, in....	⅜	½
Length, in.	20	20
W't, lbs.	2½	2¼
Per dozen $7.50	**CHJ**	7.50 **DJJ**

No. 203—Size of iron, in.	⅝	¾	⅞
Length, in.	22	22	24
W't, lbs.	3¼	3¼	3¼
Per dozen $8.50	**DBJ**	8.50 **DEJ**	9.50 **DHJ**

For holding bolts and round iron. When ordering, give size of iron instead of length.

STRAIGHT LIP TONGS.



Drop Forged Steel, Oil Finished.

Nos.	**A**	**1**	**2**
Length, in.	16	18	20
W't, lbs.	1¼	2	2¼
Per dozen $5.80	**BIJ**	6.00 **CAJ**	6.30 **CCE**

Nos.	**3**	**4**
Length, in.	22	24
W't, lbs.	3	3¼
Per dozen $6.80	**CFJ**	7.50 **CHE**

HORSESHOERS' TONGS.



Drop Forged Steel, Oil Finished.

No. 0—12 in., w't per doz. 18 lbs., per dozen .....**CBE** $7.20

No. 00—14 in., w't per doz. 20 lbs., per dozen .....**CFJ** $8.00

COLD CUTTERS OR CHISELS.



Forged Steel, Oil Finished.

No. 226—Cold, size square steel, in.....	1⅛	1¼
W't per doz., lbs.....	18	24
Per dozen	$6.30	7.20
	BHE	**CBE**

No. 226—Cold, size square steel, in.....	1⅜	1½
W't per doz., lbs.....	30	36
Per dozen	$9.00	10.80
	DJE	**JDHE**

HOT CUTTERS OR CHISELS.



No. 227—Hot, size square steel, in.....	1⅛	1¼
W't per doz., lbs.....	18	24
Per dozen	$6.30	7.20..
	BHE	**CBE**

No. 227—Hot, size square steel, in.....	1⅜	1½
W't per doz., lbs.....	30	36
Per dozen	$9.00	10.80
	DJE	**JDHE**

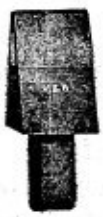
FLATTERS.



Forged Steel, Oil Finished.

No. 229—Size square face, in.	2	2½	3
W't, doz., lbs.	18	45	63
Length over all, in.	4½	5	5½
Per dozen ...	$10.80	14.40	18.00
	JDHE	**JFEJ**	**JHAJ**

HARDIES.



Forged Steel, Oil Finished.

No. 225—Size of shank, in.	½	⅝	¾
W't, doz., lbs.	6	9	12
Per dozen	$4.50	5.00	5.40
	BJJ	**BBE**	**BDE**

No. 225—Size of shank, in.....	⅞	1
W't per doz., lbs.....	18	21
Per dozen	$9.00	10.80
	BHE	**CBE**

VISES.

HAND.



No. 144—4 in., wrought iron, 1⅛ in. jaws, w't per doz. 5 lbs., per dozen .....BAE $5.00
No. 144½—4½ in., wrought iron, 1¼ in. jaws, w't per doz. 6 lbs., per dozen .....BGE $6.00



No. 95—Rallis, 1¼ in. steel jaws, 4 in. maple handle, w't per doz. 7 lbs., per dozen .....JEIJ $12.00
ONE-HALF DOZEN IN A BOX.

BONNEY'S.



No. 1—1½ in. jaws, wrought iron screw w't per doz. 15 lbs., per doz. BIJ $3.75

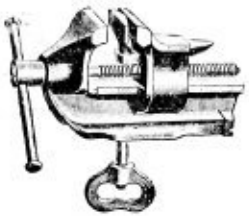


No. 1½—1¾ in. jaws, wrought iron screw, w't per doz. 18 lbs., per dozen .....CIJ $5.00
No. 02—2 in. jaws, wrought iron screw, w't per doz. 24 lbs., per dozen .....EAJ $6.50



No. 03.
No. 03—2¼ in. jaws, with swivel attachment, wrought iron screw, w't per doz. 33 lbs. .....per dozen JICE $12.00
No. 04—2¾ in. jaws, wrought iron screw, w't per doz. 60 lbs., per dozen .....ABIJ $16.50

BONNEY'S.



No. 9—2¾ in. jaws, with swivel jaw and bench attachment, wrought iron screw, w't per doz. 60 lbs., per dozen .....AGEE $22.50

BONNEY'S CHAMPION.



Polished Jaws, Covered Wrought Iron Screw.

Nos.	112	113	114
Jaws, in.	1½	1¾	2
Opens, in.	1¼	1½	1¾
W't per doz., lbs.	15	21	30
Per dozen	$4.50	6.50	9.00
	CEJ	EAJ	GJJ
Nos.	118		121
Jaws, in.	2½		3
Opens, in.	2		2¼
W't per doz., lbs.	45		90
Per dozen	$18.00		24.00
	ADJE		AHGJ

JERSEY.



All Clamp Bottom, Plain Iron Jaws.

Nos.	741	742	743
Width, jaw, in.	1½	1¾	2
W't, doz., lbs.	36	39	42
Per dozen	$9.00	11.00	13.50
	GBJ	JHHJ	AJHJ
Nos.	744	745	746
Width, jaw, in.	2¼	2½	3
W't, doz., lbs.	48	60	105
Per dozen	$18.00	21.00	28.50
	ADDJ	AFHJ	BBHJ

JERSEY.



All Clamp Bottom, Steel Faced Jaws.

Nos.	761	762	763
Width, jaw, in.	1½	1¾	2
W't, doz., lbs.	36	39	42
Per dozen	$12.00	15.00	18.00
	JIFJ	ABJJ	ADDJ
Nos.	764	765	766
Width, jaw, in.	2¼	2½	3
W't, doz., lbs.	48	60	105
Per dozen	$21.00	25.00	34.50
	AFHJ	BJJJ	BGFJ



Swivel Base, Steel Faced Jaws.

Nos.	772	773	774
Width, jaw, in.	1¾	2	2¼
W't, doz., lbs.	36	42	54
Per dozen	$15.00	18.00	22.50
	ABJJ	ADDJ	AHJJ
Nos.		775	776
Width of jaw, in.		2½	3
W't per doz., lbs.		66	114
Per dozen		$28.00	37.50
		BBDJ	CJJJ



No. 12 Assortment—Consisting of display stand and 12 Jersey Vises, w't 65 lbs. ..per assortment ABJJ $15.00
Consisting of the following—

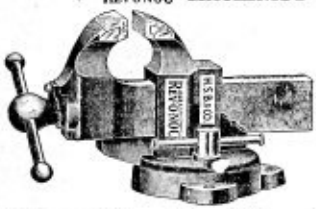
2 No. 741	1 No. 744	1 No. 761
2 No. 742	1 No. 745	1 No. 763
2 No. 743	1 No. 746	1 No. 772

Fitted with loose malleable iron nut and solid steel screw. Face of jaw ground so that the jaws come up square, screw works easy and smooth.

The body is finished with a brown baked japan, working parts are highly polished.

VISES.

REVONOC MACHINIST VISES.



REVONOC SWIVEL BASE, Dead Black Finish, Removable Polished Steel Face Jaws, Milled and Fitted.

Nos.	172½	173	173½	174	174½	175
Jaws, in..	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't lbs..	18	27	42	58	76	104
Each	$5.25	7.50	8.75	10.50	12.50	16.00
	CBJ	DEJ	ECJ	JFCJ	JGEJ	JIFJ

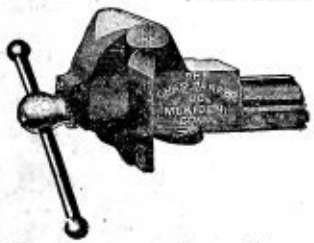
The swiveling device is patented and is operative at all points, a REVONOC feature. It can be converted to the use of a left hand workman. These vises are exceptionally first-class in every respect.



REVONOC Stationary Base, Dead Black Finish, Removable Polished Steel Face Jaws, Milled and Fitted.

Nos.	162½	163	163½	164	164½	165
Jaws, in..	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't lbs..	15	23	35	43	61	82
Each	$4.75	6.00	7.00	8.50	10.00	13.00
	BIJ	CFJ	DBE	EAJ	JFJJ	JGHJ

OVAL SLIDE.



PARKER'S, Polished Jaws, Covered Wrought Iron Screw.

Nos.	30	31	32	33	34
Jaws, in.	2⅝	3	3¼	3½	4
Opens, in.	3¼	4	4	4	4
W't, lbs.	8½	13	19	22	27
Each	$2.70	3.30	4.20	4.50	6.50
	AAE	ADJ	AHJ	AIJ	BDE

YANKEE VISES.



All parts are accurately machined.

For use on Bench Drills or attached separately to bench.

No. 900—Main body and sliding jaw cast iron, size 6x2½x2 in. high, jaws open 3 in., removable case hardened swivel jaw, w't per doz. 48 lbs. .....per dozen AHJJ $30.00

ONE IN A BOX.

OVAL SLIDE.



EMPIRE, Solid Cast Steel, Hardened Jaws Nicely Finished.

Nos.	025	030	035	040
Jaws, in.	2¼	3	3½	4
Opens, in.	3¾	4½	4¾	5½
W't, lbs.	8	10	14	20
Each	$3.00	3.50	4.50	6.00
	AEE	AHE	BEJ	CAE

YANKEE SWIVEL VISES.

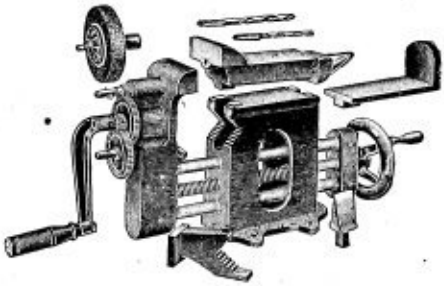


No. 1993—7¼ in. long, 5¾ in. high, 2¾ in. wide, 1⅞ in. deep, opens 3⅛ in., steel face jaws and screw, main body machined finish, japanned base, steel block with V shaped grooves for holding round or irregular work, main body can be removed for use on drill press, swivel base is operated by small lever, size boxed 30x12 in., w't each 13½ lbs. .....each CIJ $8.00

Vise is especially adapted for use in garage and home, and for tool makers and machinists.

ONE IN A BOX.

COMBINATION VISES.



No. 125—**Stewart Handy Worker,** consists of a combination anvil, vise, pipe vise, emery wheel and drill, 4 in. jaw opens 4¼ in., pipe vise takes pipe up to 1½ in., drill press may be operated at two speeds, 5 in. carborundum wheel may be operated at three speeds, main body made of gray iron casting, entire tool and attachments are first quality material finished in green enamel, w't each 100 lbs., each .....AJEJ $12.00

ONE SET IN A BOX.

VISES.

PARKER'S PARALLEL.

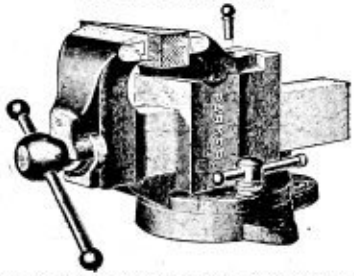


Painted Green, Polished Steel Jaws, Milled and Fitted.

Nos.	0000	100	200	300
Jaws, in.	3¼	3⅝	4⅛	4¼
Opens, in.	4	4¼	5½	5¼
Weight, lbs.	23	31½	41½	59½
Each	$5.50	6.50	8.50	10.75
	ECJ	FBE	HAE	AJCJ

No. 0000 is the same as Nos. 100, 200 and 300 but is without the wrought iron strengtheners or any of Parker's patent improvements.

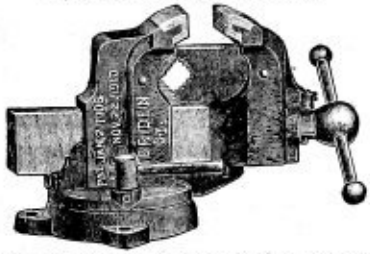
PARKER VICTOR.



Swivel Base, Self-Adjusting Back Jaw, Polished Steel Faces, Milled and Fitted.

Nos.	270	271	272	273	275
Jaws, in.	3¼	3⅝	4½	5	6¼
Open, in.	3½	5	6	7	9¼
Weight, lbs.	30	42	60	78	165
Each	$7.00	8.50	12.50	16.00	27.00
	FGJ	HAE	ABJJ	AECE	BEIJ

PARKER'S COMBINATION.



Swivel Base, Polished Steel Faces, Round and Piper's Jaws, Milled and Fitted.

Nos.	87	88
Jaws, in.	3⅝	4⅛
For pipe, in.	2	3
Open, in.	4¾	6½
W't lbs.	41	59
Each	$16.00	20.00
	JHFE	AJHJ

COMBINATION.



Swivel Base, Round and Piper's Jaws, Milled and Fitted.

No. 7—3⅝ in. jaws, opens 5 in., adjustable for 2 in. pipe and under, w't 39 lbs. ..... JEBJ $16.00

No. 8—4⅛ in. jaws, opens 6 in., adjustable for 3 in. pipe and under w't 57 lbs. ..... each JFEJ $20.00

The castings entering into the construction of these vises are of high character and neat design, insuring strength where strength is most required.

PIPE.



No. 211.



No. 25.

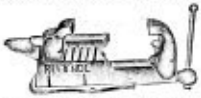
Reed's Malleable Iron Frame, Polished Solid Tool Steel Milled Jaws, Oil Hardened, Self Locking, All Parts Interchangeable.

No. 211—For pipe ⅛ to 2½ in., w't 12 lbs. ....each ADE $3.00

No. 212—For pipe ⅛ to 3½ in., w't 17 lbs. ....each BAJ 4.00

No. 25—Malleable iron, steel jaws, hinged frame with hook lock and bracket for clamping to bench or table, for pipe ⅛ to 2 in., w't 8 lbs. ..... each AFJ $3.00

REVONOC ANVIL AND VISE.



No. 24 REVONOC—4 in. steel faced milled jaws, opens 12 inches, back jaw adjustable to any desired position, securely held in position by corrugations on either side, pipe holding device holds from ⅛ in. to 2 in. pipe, ⅝ in. solid steel screw, face of anvil chilled and polished, size not including horn 8x3 in., painted green, w't each 44 lbs. .....each CCJ $5.00

REVONOC DRILL ATTACHMENTS.



No. 124 REVONOC—For use with No. 24 REVONOC Anvil and Vise, w't 15 lbs. ..... each AHJ $2.70

VISES AND ANVILS.

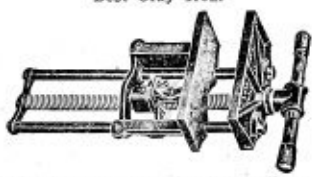
WOODWORKERS' VISES.



Herriman's, Rapid Acting, Rigid Jaws, Cold Rolled Steel Guides and Screw, Extra Large Nut of Bronze, Castings of Best Gray Iron.

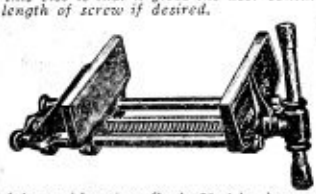
No. 17—4x7 in. jaws, opens 9 in., w't 27 lbs...each **DEJ** $6.00

Rapid Acting, Rigid Jaws, Cold Rolled Steel Guides and Screw, Extra Large Nut of Bronze, Castings of Best Gray Iron.

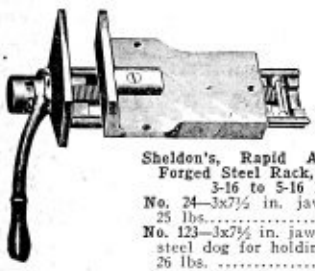


No. 10—4x10 in. jaws, opens 12 in., w't 47 lbs., each .....**FJJ** $8.00

By turning the handle one-quarter way to left the jaw can be moved forward or backward at will. One important advantage in this vise is that it gives the user continuous use of the entire length of screw if desired.



No. 220—Tole's, rapid acting, flush, 10x4 in. jaws, opens 12 in., 1¼ in. screw, w't 38 lbs. .....each **GBJ** $9.50



Sheldon's, Rapid Acting, Rigid Jaws, Forged Steel Rack, Accurately Milled, 3-16 to 5-16 Inch Thrust.

No. 24—3x7½ in. jaws, opens 9 in., w't 25 lbs.....each **CEE** $4.90

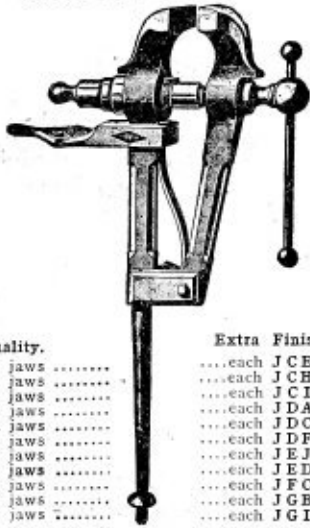
No. 123—3x7½ in. jaws, opens 8½ in., with steel dog for holding wide material, w't 26 lbs. .....each **CFE** $5.10

CABINET MAKERS' VISES.



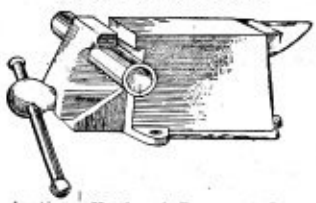
No. 4009—Parker's, 4 in. jaws, opens 8 in., ¾ in. screw, w't 38 lbs. .....each **JGBJ** $10.00

SOLID BOX VISES.



Extra Quality.		Extra Finish.	
35 lbs., 3¼ in. jaws	....each **JCEE**	$10.00
40 lbs., 4 in. jaws	....each **JCHJ**	10.50
45 lbs., 4¼ in. jaws	....each **JCIE**	11.00
50 lbs., 4½ in. jaws	....each **JDAE**	11.50
55 lbs., 4½ in. jaws	....each **JDCJ**	12.00
60 lbs., 4¾ in. jaws	....each **JDFJ**	13.00
65 lbs., 5 in. jaws	....each **JEJE**	14.00
70 lbs., 5¼ in. jaws	....each **JEDJ**	15.00
80 lbs., 5½ in. jaws	....each **JFCJ**	17.50
90 lbs., 5¾ in. jaws	....each **JGBJ**	20.00
100 lbs., 6 in. jaws	....each **JGIJ**	22.00

ANVILS AND VISES.



Austin's, Hardened Face and Jaws.

No. 13—3 in. jaws, 4 in. opening, piper's jaws, 7¼x3 in., anvil face, w't 24 lbs. .....each **ABJ** $3.00



Cheney's, Self-Adjusting Back Jaw, Tempered Steel Faces, Chilled Steel Anvil, Smooth Face, Solid Steel Hardy or Cutting-Off Tool.

Nos.	120	130	140
Face, in.	6½x3.	8x3½.	8¾x4.
Jaws, in.	3¼	3¼	4⅝
Opens, in.	4	5	6
W't lbs.—less crate	26	35	51
Each	$6.50	7.50	8.50
	DCJ	**ECJ**	**FBE**

The back jaw of the vise is self-adjusting and in use conforms by automatic action to any angle and makes firm any object held, whether it be straight, beveled or wedge shaped.

ONE IN A CRATE.

ANVILS.

REV-O-NOC



Special Ingot Steel, One-Piece Construction, Carefully Hardened and Tempered Face and Horn, Milled, Ground and Polished Face, Body Coated with Pure Asphaltum Paint, Given a Sledge and File Test Before Shipping. Fully Warranted.

Nos.	R50	R60
Dimen. of face, in.	11x3	12x3
Size of hardie hole, in.	¾	¾
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	50	60
Per lb.	$0.25★	.23★
	AE	AD

Nos.	R70	R80
Dimen. of face, in.	12½x3¼	13⅜x3¼
Size of hardie hole, in.	¾	¾
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	70	80
Per lb.	$0.21★	.19★
	AC	AB

Nos.	R90	R100
Dimen. of face, in.	13¾x3½	14½x3½
Size of hardie hole, in.	⅞	⅞
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	90	100
Per lb.	$0.19★	.19★
	AB	AB

Nos.	R120	R150
Dimen. of face, in.	15½x3¾	16½x4
Size of hardie hole, in.	1	1
Size of pritchel hole, in.	½	½
W't about, lbs.	120	150
Per lb.	$0.19★	.19★
	AB	AB

No.	R200
Dimen. of face, in.	18x4½
Size of hardie hole, in.	1⅛
Size of pritchel hole, in.	⅝
W't about lbs.	200
Per lb.	$0.19★
	AB

REV-O-NOC *anvils have a greater surface area for their weight than any other on the market, owing to the correct distribution of the metal. For illustration: a* REV-O-NOC *anvil 3½ inch by 14½ inch surface weighs 100 pounds, and frequently less; in order to obtain this same surface in a wrought anvil of other makes, the user is oten compelled to buy 115 pounds or more of metal.*

The width of the base is always equal to the height, so they will not tip nor break loose from their fastenings by side blows.

The long horn is round throughout its full length, a perfect ring can be forged and welded at any point.

The long tail admits of bending small perfect U shapes, and leaves a large surface for welding.

VULCAN.



Cast Iron Body with Welded Steel Face.

Nos.	00	0
Dimen. of face, in.	1½x4 3/16	2⅛x5⅛
Size of hardie hole, in.	½	½
Size of pritchel hole, in.	¼	⅝
W't about, lbs.	5	10
Per lb.	$0.40★	.28★
	CJ	BA

Nos.	1	2
Dimen. of face, in.	2¼x6	2¾x7¼
Size of hardie hole ,in.	½	½
Size of pritchel hole, in.	⅝	⅝
W't about, lbs.	15	20
Per lb.	$0.25★	.20★
	AI	AE

★*Above for Factory Shipment Only,*

Nos.	3	4
Dimen. of face, in.	2¾x7¼	3x7½
Size of hardie hole, in.	½	⅝
Size of pritchel hole, in.	⅝	⅝
W't about, lbs.	30	40
Per lb.	$0.15	.13
	AA	AJ

Nos.	5	6
Dimen. of face, in.	3x8½	3¼x10⅝
Size of hardie hole, in.	⅝	⅝
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	50	60
Per lb.	$0.12	.11
	JI	JH

Nos.	7	8
Dimen. of face, in.	3¼x11	3¼x11 7/16
Size of hardie hole, in.	⅝	⅝
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	70	80
Per lb.	$0.10½	.10
	JH	JG

Nos.	9	10
Dimen. of face, in.	3½x12	3½x12½
Size of hardie hole, in.	⅝	⅝
Size of pritchel hole, in.	½	½
W't about, lbs.	90	100
Per lb.	$0.10	10
	JG	JG

Nos.	12	15
Dimen. of face, in.	3¼x12⅛	4x14⅛
Size of hardie hole, in.	1	1
Size of pritchel hole, in.	⅞	⅞
W't about, lbs.	130	150
Per lb.	$0.10	.10
	JG	JG

The face is welded to the body by a patent process, then accurately ground and tempered. The horn is covered with and at its extremity is made entirely of steel. The face and horn are warranted to be thoroughly welded to the body and not to separate.

Above F. O. B. Chicago (Stock.)

HAND OR MOULDERS' BELLOWS.



Fancy Grained Wood Boards, Galvanized Sheet Steel Funnel, Select Tan Calfskin Leather, with Studded Black Reinforcing Border.

No. 4—In.	7	8	9
Length, in.	14½	15¼	17½
W't, lbs.	12	13½	14¾
Per dozen	$14.00	16.00	18.00
	JFIJ	JHAJ	JICJ

No. 4—In.	10	12
Length, in.	18	21½
W't, lbs.	19	33
Per dozen	$20.00	26.00
	AJEJ	ABIJ

BORAX.



20 Mule Team Brand.

Lump, 100 lb. bags or less, per pound ..... JI $0.14

WELDING COMPOUND.





No. 00—Cherry Heat Welding Compound, welds iron to iron, steel to steel, and malleable iron to steel and is the highest grade of welding flux, in 100 lb. boxes, per box JGBJ $13.00

No. 0—In 25 lb. boxes, per box ..... BJE 3.38

No. 1½—In 5 lb. boxes, per box ..... EJ .75

No. 01½—Climax, especially adapted for tires, axles, and general job work, recommended for iron and all grades of steel, including tool steel, in 100 lb. boxes .....per box DIJ $9.25

No. 02—In 25 lb. boxes, per box ..... ADJ 2.44

No. 2½—In 5 lb. boxes, per box ..... CE .55

WE DO NOT BREAK BOXES.

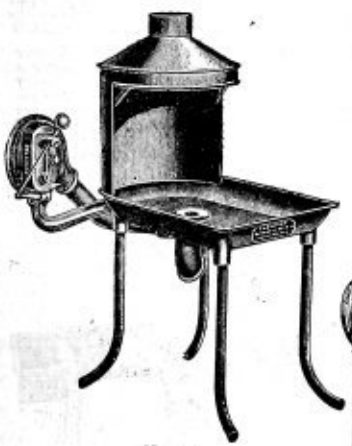
PORTABLE FORGES.

PORTABLE FORGES.



No. 71—Champion Midway, blacksmiths', with half hood, helical spiral cut gearing in dust-proof casing, cast iron hearth 32x45 in., and heavy nest tuyere iron, height 30 in., 12 in. fan, w't 300 lbs.....**BCDJ** $50.00

The gearing used for producing the blast is simple in construction and without small gears or pinions. The crank turns either direction to make blast.



No. 73.

No. 72—Champion Midway, boilermakers', with shield, helical spiral cut gearing in dust-proof casing, cast iron hearth 23x35 in., height 30 in., 10 in. fan, w't 185 lbs....each **AFHJ** $36.00

No. 73—Machinists', with half hood, w't 190 lbs., otherwise same as No. 72, each .....**AHCJ** $40.00

Suitable for boilermakers, bridge builders, railroad contractors, miners, jewelers, etc.



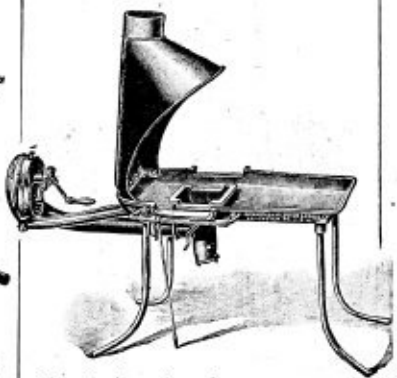
No. 76.

Champion Midway, Helical Spiral Cut Geared.

No. 76—Toolmakers', with half hood, 22 in. cast iron hearth, height 33 in., 10 in. fan, w't 145 lbs., each★ .....**AEFJ** $33.00

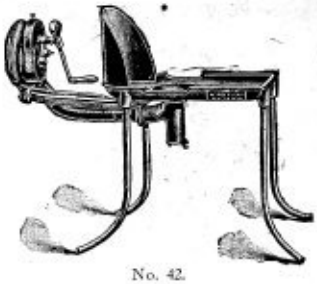
A strong and durable forge, adapted for jewelers, bicycle repairers, tempering tools, miners, prospectors, boilermakers.

No. 75—Rivet forge, with shield, 22 in. cast iron hearth, height 33 in., 10 in. fan, w't 140 lbs.....each **ADAJ** $30.00



No. 41—Champion Lancaster geared direct drive Blacksmith Forge, with half hood, 32x45 in. cast iron hearth, height 30 in., 12 in. fan, Champion adjustable nozzle tuyere iron, w't 300 lbs. .....each **BAFJ** $50.00

A well built forge, designed to supply the demand for a good, direct drive forge but cheaper than the Champion "Patented" or "Midway."



No. 42.

No. 43—Champion Lancaster geared direct drive Agricultural Forge, with half hood, 23x35 in. cast iron hearth, height 30 in., 12 in. fan, w't 170 lbs., each .....**AEFJ** $40.00

No. 42—Champion Lancaster geared direct drive Agricultural Forge, with shield, 23x35 in. cast iron hearth, height 30 in., 12 n. fan, w't 165 lbs., each .....**AGDJ** $36.00

A well built, low priced, direct drive forge, a good blast producer and one recommended for farmers' use. It is well finished in every respect, with a large size hearth and fan.



No. 78—Champion Midway, steel rivet forge, with shield, helical spiral cut geared, 18 in. hearth, height 30 in., 10 in. fan, w't 135 lbs., each★ .....**ADDJ** $30.00

A perfect vivet forge for those who do not desire to buy a complete cast iron hearth.

★*FOR FACTORY SHIPMENT ONLY, LANCASTER, PA.*

PORTABLE FORGES.



No. 46.

No. 45—Champion Lancaster geared agricultural forge, with shield, hearth 22 in., fan 10 in., w't 115 lbs., each ..... **AAGJ** $27.00

No. 46—With half hood, w't 120 lbs., otherwise same as No. 45, each ..... **ABIJ** $30.00

These are suitable direct drive cut gear forges for use where a well built, low priced, good blast producer is desired. They are strong, light forges for all kinds of portable work and are similar in construction to the No. 40 Lancaster blower line. Can be easily carried about and make the best low priced rvet forges ever manufactured.



No. 100.

No. 100—Champion agricultural lever forge, with shield, height 30 in., hearth 22 in., fan 9 in., w't 95 lbs., each ..... **JEGJ** $16.00

No. 101—With half hood, otherwise same as No. 100, w't 100 lbs., each ..... **JFIJ** $18.00

These forges are larger in both hearth and fan than the usual agricultural or farmer's forge. The hearth is deeper and heavier. The bearings are taper turned and long. The lever is of the ratchet motion type, simple and durable.



No. 150—Champion, agricultural, lever with shield, 18 in. hearth, 8 in. fan, height 30 in., w't 75 lbs., each ..... **JDHJ** $14.00

No. 151—Champion, agricultural, lever, with half hood, 18 in. hearth, 8 in. fan, height 30 in., w't 80 lbs., each ..... **JFJJ** $16.00



No. 152.

No. 152—Champion, agricultural, crank, with shield, 18 in. hearth, 4 in. deep, height 30 in., 8 in. fan, wt 70 lbs., each ..... **JEDJ** $14.00

No. 153—Champion, with half hood, otherwise same as No. 152, w't 70 lbs., each ..... **JFCJ** $16.00

Especially adapted for farmers or where light jobs are to be done.

FLY WHEELS.

For Nos. 150 and 151 Portable Forges, each ..... **ACJ** $2.20



No. 81½.

No. 81—Champion Imperial blacksmiths' ratchet lever, with half hood, hardened tool steel self-acting pawls, oil caps in all bearings, hearth 32x45 in., height 30 in., 14½ in. fan, without water tank, w't 250 lbs., each★ ..... **AHFJ** $50.00

No. 81½—With water tank, w't 275 lbs., otherwise same as No. 81,★ each ..... **BJFE** $55.00

The fan has a direct blast into the fire and will produce a large and steady blast for heavy and all kinds of blacksmith work.



No. 83.

No. 83—Champion Imperial, machinists' ratchet lever, with half hood, hearth 23x35 in., height 30 in., 12½ in. fan, w't 170 lbs., each **ACHJ** $40.00

No. 82—Champion Imperial, boilermakers' ratchet lever, with shield, w't 160 lbs., otherwise same as No. 83, each★ ..... **ACHJ** $36.00

The Imperial Lever Motion is a very simple device. It is a self-acting ratchet. The three ratchet dogs are made of hardened tool steel and will stand years of hard work.

No. 82 is used by boilermakers, iron bridge and ship builders, railroad contractors, etc., and No. 83 by machinists, plumbers, millers, locksmiths, planters and in railroad repair shops.

★*FOR FACTORY SHIPMENT ONLY, LANCASTER, PA.*

FORGES, TIRE SHRINKERS AND BENDERS AND BLACKSMITHS' DRILLS.

PORTABLE FORGES.



No. 86.

No. 85—Champion Imperial, lever rivet forge, with shield, 22 in. hearth, height 33 in., 9½ in. fan, w't 100 lbs., each ..... **JHIJ** $24.00

No. 86—With half hood, w't 105 lbs., otherwise same as No. 85, each ..... **AJEJ** $27.00

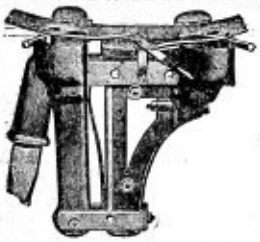
These are adapted for tempering tools for tank and bridge builders, miners, boiler repairing, etc.

TIRE SHRINKERS.



No. 11—Champion, floor space 18x10 in., shrinks tires 4x1 in., w't 140 lbs., each★ ..... **JIFJ** $12.00

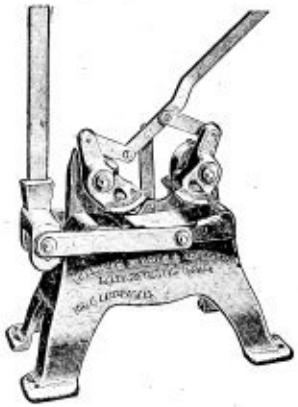
Will shrink tires 4x1 in. and smaller.



No. 12—Lancaster, jaws and cams drop forged from solid tool steel hardened and tempered, will shrink all size tires up to a full 4x1 in., and axle up to 1½ in., w't 200 lbs.,★ each ..... **AFHJ** $20.00

Constructed in the most mechanical manner and from the highest grade material. It is set on a post, making it as solid and strong as an anvil for hammering down kinks in the tire, and taking up but little space.

TIRE AND AXLE SHRINKERS.



No. 4—American, will shrink up to 4x1 in. round edge tire, and axles up to 1¼ in., with hardened steel jaws, w't 345 lbs.....each **BHHJ** $35.00

This is a strictly high grade shrinker, made of the most costly and best materials, jaws are hammered tool steel with machine cut teeth.

Will shrink without kinking with one stroke of the lever 1¼ in., will stand all the pounding necessary to keep down kinks in tire.

The jaws work independently of each other, thus meeting all variations and thickness of tires and axles.

They are worked by a mechanical lever and are thrown in and out instantly by a simple movement of the hand, thus may be handled by one man.

Tire is gripped on flat sides, both top and bottom, which holds it in a perfect grip until it is shrunk.

TIRE BENDERS.



No. 1—New Style Eureka, bends 4x1 in. tire, w't 190 lbs.★ each **ADAJ** $18.00

A strong and powerful tool, built with all the latest improvements. It is double back geared and worked with two cranks which are furnished with each bender; also two speeds, one for light and fast work and the other for heavy work. All rolls are lathe turned.



No. 2—Champion New Style, bends any size tire up to 3x¾ in., w't 115 lbs., each★ ..... **JHDJ** $11.00

The frame is cast strong and substantial, with double back gear, and worked with two cranks. All rolls are lathe turned.

BLACKSMITHS' HORIZONTAL DRILLS.



No. 012—Japanned, length 30 in., 1⅛ in. screw, ⅞ in. square hole in mandril, w't 27 lbs.....each **AHJ** $6.00

The mandril is fitted to take standard drills.

★FOR FACTORY SHIPMENT ONLY, LANCASTER, PA.

BLACKSMITHS' SUPPLIES.

We are headquarters for all tools and supplies for the Blacksmith Shop or Farm Forge.

Our line is varied and complete. We have high grade supplies for the expert blacksmith and more simple ones for the small shop and for the farm.

Special attention is called to our REVONOC one-piece, Weldless Steel Anvils which have never been equalled in quality.

Also to our line of Parker & Prentiss Vises, Genuine Champion Blowers, Wiley and Russell Stocks and Dies, Forges, Post Drills and our complete line of Hammers, Pincers, Nippers, etc. Detailed description of these can be found on pages 120 to 175.

BLACKSMITHS' OUTFITS.

For convenience we have selected two representative and staple assortments for the average blacksmith shop, and a similar one for the farmer's repair shop.

These are of exceptional value, and there is use for every tool in the assortment. The featuring of these assortments by the dealer will be appreciated by the users.

No. 10 BLACKSMITH OUTFIT.

	Each.
1 only No. 100 Champion Forge with 22 in. hearth, 9 in. fan	$ 9.50
1 only No. 8—80 lb. Vulcan Anvil	9.60
1 only No. 101 Post Drill	10.00
1 only 35 lb. Solid Box Vise	6.30
1 set No. 51E Stock and Die	6.50
1 only No. 227—1⅝ in. Hot Cutter	.76
1 only No. 226—1¼ in. Cold Cutter	.76
1 only No. 225—⅞ in. Hardie	.46
1-12 doz. No. 2—20 in. Straight Lip Tongs	.46
1-12 doz. No. 414 REVONOC Pincers	.94
1-12 doz. No. 6824 Farriers' Knives	.50
1-12 doz. No. 0281 REVONOC B. S. Hammers	.94
1-12 doz. No. 261 REVONOC Farriers' Hammers	.76
1-12 doz. No. 400—12 in. Wrenches	.64
1 only No. 112—⅜ in. Drill	.28
1 only No. 112—7/16 in. Drill	.32
1 only No. 112—½ in. Drill	.38
1 only No. 112—9/16 in. Drill	.44
1 only No. 112—⅝ in. Drill	.48
1 only No. 112—11/16 in. Drill	.54
1 only No. 112—¾ in. Drill	.68
1 only No. 112—¾ in. Drill	.80
Total	$52.04

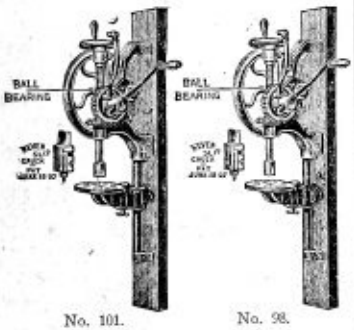
No. 20 BLACKSMITH OUTFIT.

	Each.
1 only No. 10-100 lb. Vulcan Anvil	$19.50
1 only No. 71 Portable Forge	39.00
1 only No. 98 Post Drill	10.80
1 only No. 112—⅜ in. Drill	.28
1 only No. 112—7/16 in. Drill	.32
1 only No. 112—½ in. Drill	.38
1 only No. 112—9/16 in. Drill	.44
1 only No. 112—⅝ in. Drill	.48
1 only No. 112—11/16 in. Drill	.50
1 only No. 112—¾ in. Drill	.54
1 only No. 112—⅞ in. Drill	.68
1 only No. 112—¾ in. Drill	.80
1 only No. 112—1 in. Drill	1.14
1 only 50 lb. Solid Box Vise	7.70
1 only No. 1B Screw Plate	11.70
1 set No. 100 General Purpose Wrenches	.80
1-12 doz. 10 in. Mill Bast. Files	.24
1-12 doz. 14 in. Mill Bast. Files	.44
1-12 doz. ⅜ in. Cold Chisels	.18
1-12 doz. ½ in. Cold Chisels	.36
1-12 doz. No. 6824 Farriers' Knives	.50
1-12 doz. No. 540 14 in. Hoof Cut. Nippers	2.50
1-12 doz. 14 in. Blacksmith Pincers	1.00
1-12 doz. No. 3—22 in. Straight Lip Tongs	.52
1-12 doz. No. 203—⅝ in. Bolt Tongs	1.00
1-12 doz. No. 14 Horse Rasps	.78
1-12 doz. No. 16 Horse Rasps	1.02
1-12 doz. No. 191 Farriers' Hammers	.90
1-12 doz. No. 182 B. S. Hammers	1.12
1 only No. 225—⅞ in. Hardie	.46
1 only No. 226—1¼ in. Cold Chisel, 3 lb.	.90
1 only No. 227—1½ in. Hot Chisel, 3 lb.	.90
1-12 doz. No. B. S. 10 lb. Blacksmith Sledges	1.06
1-12 doz. No. 030 Sledge Handles	.42
1-12 doz. No. 2 Reamer Bits	.30
1-12 doz. 6 in. No. 2 Screw Drivers	.32
Total	$109.98

BALL-BEARING POST DRILLS.



No. 92—Champion, hand feed, made of best material, bearings ground out of solid metal, ⅜ in. steel spindle bored like "Never-Slip" chuck, for ⅛ in. straight shank drills, 3 in. up-and-down run, drills to center of 12 in. circle, holes from 1-64 to ¼ in., slotted lathe turned table, w't 65 lbs., each .....**CIJ** $6.00

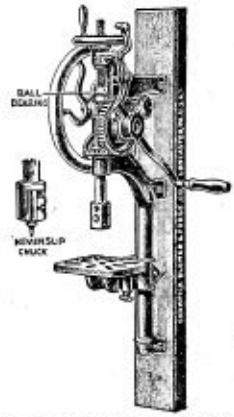


No. 101. No. 98.

No. 101—Champion, self feed blacksmiths', made of best material, bearings ground from solid metal, ⅞ in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 3 in. up-and-down run, drills to center of 12 in. circle, holes from 1-64 to ¾ in., single speed, with back gear, slotted lathe-turned table, w't 90 lbs., each .....**FJJ** $7.00

No. 98—Champion, self feed blacksmiths', made of best material, bearings ground from solid metal, 1 in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 3 in. up-and-down run, drills to center of 14 in. circle, holes from 1-64 to 1 in., single speed, with back gear, slotted lathe turned table, w't 95 lbs.....each **FEJ** $8.00

Extra, for power★....each **BDJ** 3.00



No. 91—Champion two speed ball bearing, full automatic self-feed, blacksmiths', with end thrust ball bearing cups and cones of tool steel, drills to center of a 14½ in. circle, bores holes up to 1 in., 1⅛ in. spindle, up-and-down run of 3 in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, w't 100 lbs., each .....**JGHJ** $10.00

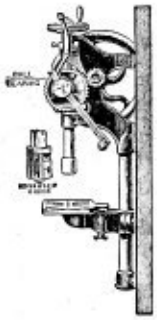
Extra, for power★.....each **BDJ** $3.00



No. 95—New Champion, ball bearing self feed blacksmiths', made of best material, bearings ground out of solid metal, tempered die steel cup and cone ball bearing to take end thrust, 1¼ in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 3½ in. up-and-down run, drills to center of 16 in. circle, holes from 1-64 to 1¼ in., back geared, w't 130 lbs.....each **AJHJ** $12.50

Extra, for power★.....each **BDJ** $3.00

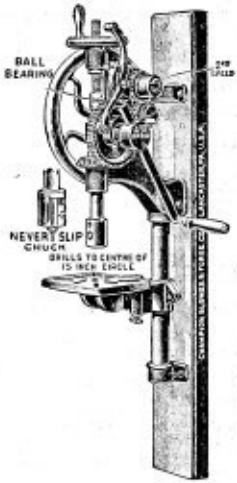
Has improved third gear principle which gives the second speed the same crank motion as on the first speed. The third gear being part of the handle hub, it is therefore disengaged when using first speed, saving the continuous labor of pulling along an intermediate gear while using the first speed; has double journal bearings to all working parts.



Ball Bearing.

No. 93½—Champion, self feed, blacksmiths', made of best material, bearings ground out of solid metal, 1⅛ in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 3 in. up-and-down run, drills to center of 15 in. circle, holes from 1-64 to 1¼ in., 2 speeds, full back gear, w't 115 lbs.....each **HDJ** $9.50

Extra, for power★.....each **BDJ** $3.00



No. 195—Champion, ball-bearing, full automatic self-feed, blacksmiths', with cups and cones of tool steel, drills to center of a 15 in. circle, drills holes up to 1½ in., 1⅛ in. spindle, up-and-down run of 3 in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, w't 115 lbs., each .....**JHDJ** $11.00

Extra, for power★.....each **BDJ** $3.00

This drill has a third gear to give the second speed the same turning direction of the crank as the first speed, and full back gears with two speeds to the crank.

DRILL BITS NOT INCLUDED WITH DILLS.

★FOR FACTORY SHIPMENT ONLY, LANCASTER, PA.

POST DRILLS.

This tool is designed for light and quick work, where fine drilling and counter-sinking is an object.

Our stock on above drills have spindles bored to take ¼ in. straight shank drill bits. If specially ordered from factory, will be bored to take 5/16 or 41-64 in.



No. 100—Champion, lever feed blacksmiths', made of best material, bearings ground out of solid metal, steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 5½ in. up-and-down run, drills to center of 14 in. circle, holes from 0 to ¾ in., with back gear, slotted lathe turned table, w't 100 lbs., each .....**JHDJ** $16.00

Extra, for power★.....each **BDJ** $3.00



No. 4—Champion, ball bearing, new improved upright blacksmiths', 18 in. swing, three geared automatic self-feed, 2 speeds with double journal bearings to all workng parts, full back geared, wth improved thrd gear principle, which gives the second speed the same crank motion as on the first speed, bearings all around and polished out of solid metal, 1½ in. steel spindle bored like "Never-Slip" chuck for ½ in. straight shank drill bits, 5 in. up-and-down run, drills to center of 18 in. circle, holes from 1-64 to 1½ in., w't 200 lbs..each **ADHJ** $17.50

Extra, for power★.....each **BDJ** $3.00

No. 5—Champion, ball-bearing, 20 in. swing, quick return and hand-feed handle, w't 240 lbs., otherwise same as No. 4★.....each **BAJJ** $25.00

Extra, for power★.....each **CJJ** $4.00

The Champion No. 5 has a quick-return handle, enables the mechanic to get the bit out of the work quicker and far more easily than by the use of the top or ratchet wheel. It is also very useful to feed by hand for holes up to ½ in., especially if the drill is run by power.



No. 97—Champion automatic self-feed and propeller wheel hand feed and quick return, two speeds, quick acting, end thrust ball bearings ground from solid metal, drills to center of 16½ in. circle and holes from 0 to 1¼ in., lathe turned slotted table, 1⅛ in. spindle, 3½ in. up-and-down run, all parts machine jigged and interchangeable, spindle takes ½ in. straight shank bits, w't 160 lbs., each .....**ADAJ** $18.00

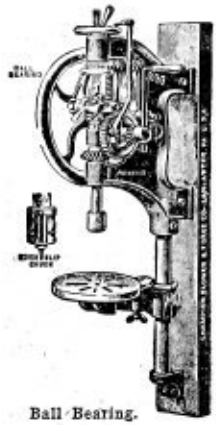
Extra, for power★.....each **BDJ** $3.00

This drill has points of simplicity never found on a drill before at this price.



No. 99—Champion, automatic feed, quick return drill, adjustable table, steel cut gears, lathe turned steel feed screw with heavy balance wheel, 3 jaw steel chuck, capacity 0 to ½ in., w't 35 lbs., each .....**AAAJ** $20.00

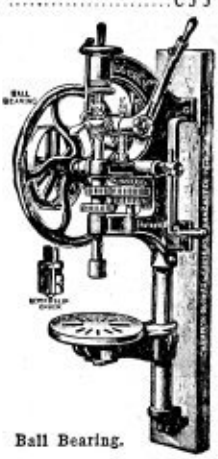
Can be attached to bench or wall. Feed is automatically controlled by the revolving crank. To operate quick return on this drill it is only necessary to suddenly cease the crank speed.



Ball Bearing.

No. 200—Champion, upright, combination automatic self-feed and lever-feed, ball bearings, double back gears, two speeds, drills to center of 16 in. circle, up-and-down run of 4 in., spindle 1¼ in. in diameter, bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, drills from 0 to 1¼ in., w't 180 lbs., each★ .....**AIHJ** $25.00

Tight and Loose Pulleys for power for No. 200 Champion, extra,★ each .....**CJJ** $3.00



Ball Bearing.

No. 200½—Champion, upright, combination automatic self-feed and lever-feed, ball bearings, double sliding back gears, drills to center of 18 in. circle, up-and-down run of spindle 4 in., spindle 1¼ in. in diameter, bored like "Never-Slip" chuck to take ½ in. straight shank drill bits, drills from 0 to 1½ in., w't 240 lbs., each★ .....**BDJJ** $30.00

Tight and Loose Pulleys for power for No. 200½ Champion, extra,★ each .....**CJJ** $4.00

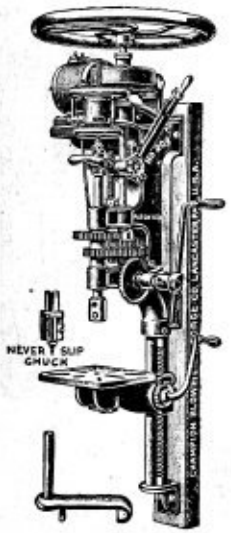
For special description of Nos. 200 *and* 200½, *see top of page* 173.

BALL BEARING POST AND FLOOR DRILLS.

Nos. 200 to 203½ are high grade drills, particularly adapted for machine, blacksmith and carriage shops. The special feature of these drills is that they have the combination automatic self and lever feed which are independent of each other and can be changed from one to the other in a fraction of a second giving a hand power drill with a combination of feeds. All end friction is taken from the drill spindle, by the use of ball bearings. The two feeds are combined and either feed is always ready for operation without interfering with the other and without the slightest change of the drill. Both lever-feed and self-feed with the perfectly balanced drill spindle give instantaneous quick return of the drill bit out of the hole bored and again instantaneous replacing of the drill bit for drilling the next hole. There is positively no turning backwards of the feed screw nut or ratchet wheel to get drill bit out of the work with either feed. The lever feed makes them a capital wood boring machine.

Our stock on above drills have spindles bored to take ½ in. straight shank drill bits. If specially ordered from factory, will be bored to take ⅝ or 41-64 in.

POST.



No. E203.

Above cut shows the regular No. 203 but with electric motor attached.

No. 203—Champion, upright, combination automatic self-feed and double compound lever-feed, with cut gears, two speeds and ball bearings, drills to center of 21 in. circle, up-and-down run of 5½ in., spindle bored like "Never-Slip" chuck to take in 41-64 in. straight shank drill bits, drills from 0 to 1½ in., with cone pulley and countershaft complete for hand and power, w't 500 lbs.,★ each .....**EAFJ** $65.00

No. 203A—Champion, with tight and loose pulleys for hand and power combined, otherwise same as above, w't 425 lbs.★.....each **DCBJ** $54.00

No. 203B—Champion, for hand only, otherwise same as above, w't 400 lbs., each★ .....**CIFJ** $50.00

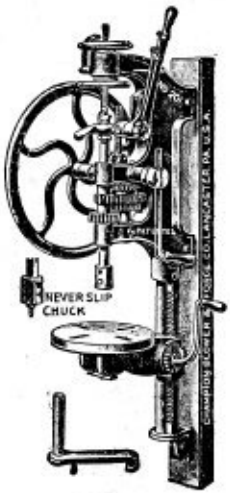
ELECTRICALLY DRIVEN.

No. E203—Champion, combination automatic double compound lever-feed, electrically driven, with electric motor attached directly to the upright back geared shaft, otherwise same as regular No. 203 above, w't 525 lbs., each★ .....**AABHJ** $140.00

No. E203½—Champion, combination automatic self-feed and double compound lever-feed, electrically driven, otherwise same as regular No. 203½ on page 174, w't 700 lbs.,★ each .....**ABHDJ** $160.00

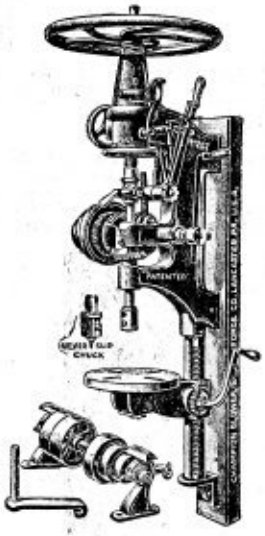
If ordering for direct current get the voltage only. If alternating current, get the cycle or alternations phase and voltage.

POST.



No. 201—Champion, upright, combination automatic self-feed and compound lever-feed, with cut gears and ball bearings, table is raised and lowered by a rack and can be turned back out of the way, drills to center of 21 in. circle, up-and-down run of spindle ½ in., spindle 1¼ in. in diameter, bored like "Never-Slip" chuck, to take in ½ in. straight shank drill bits, drills from 0 to 1½ in., with wheel hanger for drilling tires, w't 375 lbs.★.....each **BIDJ** $40.00

Tight and Loose Pulleys for power for No. 201 Champion, extra,★ each .....**CJJ** $4.00



Ball Bearing.

No. 202—Champion, upright, with combination automatic self-feed and double compound lever-feed, with cut gears and ball bearings, drills to center of 22 in. circle, feed screw has up-and-down run of 6 in., diam. of spindle 1¼ in., bored like "Never-Slip" chuck to take ⅝ or 41-64 in. straight shank bits, drills holes from 0 to 1½ in., for power and hand combined, with cone pulleys and countershaft complete, w't 550 lbs.,★ each .....**FJJJ** $75.00

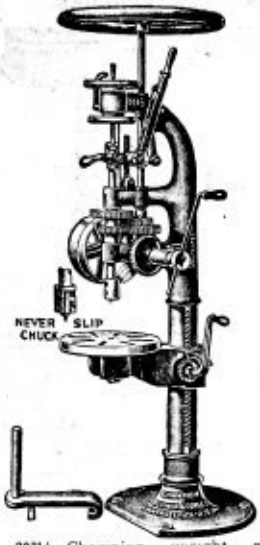
Furnished with wheel hanger for drilling tires.

No. 202A—Champion, with tight and loose pulleys for power and hand combined, w't 475 lbs., otherwise same as No. 202★.....each **EAFJ** $65.00

No. 202B—Champion, for hand only, w't 450 lbs., otherwise same as No. 202★.....each **DHJJ** $60.00

★FOR FACTORY SHIPMENT ONLY, LANCASTER, PA.

BALL BEARING POST AND FLOOR DRILLS.



No. 203½—Champion, upright, with combination automatic self-feed and double compound lever-feed, with cut gears and ball bearings, drills to center of 21 in. circle, feed screw has an up-and-down run of 5½ in., spindle bored like "Never-Slip" chuck to take in 41-64 or ⅝ in. straight shank bits, drills holes from 0 to 1½ in., substantial and self-supporting, with cone pulley and countershaft complete, for power and hand combined. w't 700 lbs.★.....each **FGBJ** $85.00

Furnished with wheel hanger for drilling tires.

No. 203½A—Champion, with tight and loose pulleys for power and hand combined, w't 625 lbs., otherwise same as No. 203½★.....each **FJJJ** $75.00

No. 203½B—Champion, for hand only, w't 600 lbs., otherwise same as No. 203½★ .....each **EEBJ** $70.00

BACK-GEARED UPRIGHT POWER.

No. 305—Champion, 20 in. double back-geared upright power drill, drills to center of 20 in. circle, spindle 1¼ in. in diam. with graduated sleeve and bored with No. 4 Morse Taper, with 4-step cone pulley, carrying a 2 in. belt, spindle has up-and-down run of 8 in., pulleys for driving drill are 8x2½ in., drills holes from 0 to 1½ in., with square base complete, less belts, w't 675 lbs.★.....each **AJBJJ** $130.00

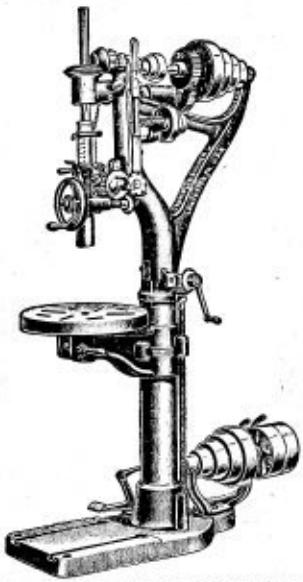
This drill combines simplicity and speed in operation with strength and rigidity. The gears are machine cut; the bearings are all large and powerful. Can be changed from a plain drill to a double back-geared drill in an instant by sliding the gears. Has eight speeds with three distinct and complete feeds, power-fed, hand screw feed and lever-feed. Has screw for raising and lowering table, convenient and quick in action with table remaining firmly where it stops.

This is the most accurate power drill that human hands can manufacture for machine shops.



No. 50—Champion, sensitive bench drill, with Star chuck, double flange top cone, table swings 180° horizontally, end thrust ball bearing, adjustable spindle stop, spindle has 2½ in. up-and-down run, table has 7 in., diam. of table 8 in., drills to center of 10 in. circle, drilling capacity ½ in., size of tight and loose pulley 550 R. P. M., height 27½ in., w't 65 lbs., each★ .....**AECJ** $38.25

Strong and well built, for light accurate and rapid drilling. Driven exclusively by belt and with the aid of cone pulleys two separate speeds can be had. Countershaft has belt shifter on the tight and loose pulley and feed lever can be returned without affecting position of belt by a patent device in feed lever hub. The best possible drill and one guaranteed in every respect.



NEVER SLIP DRILL CHUCKS.



No. 1—Champion, with wrench complete to fit all Champion drills with ½ in. shank and take in 5/16 or 41-64 in. straight shank drill bits, each★ .....**AHJ** $2.00

No. 2—Champion, with wrench complete to fit all Champion drills with 5/16 or 41-64 in. shank and take in ½ in. straight shank drill bits,★ each .....**AHJ** $2.00

This illustration plainly shows the Patented Champion Never Slip Drill Chuck now furnished on all Champion drills without additional charge. It is a positive interlocking chuck, with a square shoulder mechanically worked out of the solid metal in the upper end of the chuck socket, making it a positive interlocking chuck without a loose or moving part, which means simplicity and everlasting durability, as the square shoulder in the socket which permanently meets with the flatted side of the drill bit holds the drill as firm as the combined strength of the solid metal of both the drill bit and the chuck. It is guaranteed to keep the drill bit from turning in the socket.

The CHAMPION "Patented" Never-Slip Drill Chuck, as well as the chucks on all CHAMPION Drill Spindles, comply with all the liability laws, as there is no protrusion on the outside of the Chuck to injure the operator. This has been overcome by counter-sinking the head of the set screw which is only required to keep the drill bit from dropping or pulling out while drawing the bit out of the bored hole.

The Never-Slip Chuck enables the drill to do truer work, it gives practically double life to the drill bit, and as this great invention has been placed on all Champion drills free of charge, it is worth the attention of every man who is interested in blacksmith drills.

★FOR FACTORY SHIPMENT ONLY. LANCASTER, PA.

TOOL CHESTS AND WORK BENCHES.

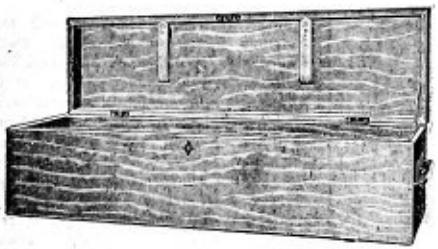
CARPENTERS' TOOL CHESTS.



No. 10—Hardwood, size 28x15x14 in. inside measurement, has 2 trays, saw rack will take 22 in. panel saw, nicely finished, cover has one panel, corners are grooved, glued and nailed, with iron handles, fitted with iron lock and key, w't 50 lbs. .....,each **EAJ** $8.00

No. 20—Hardwood, size 32x18x16 in. inside measurement, will take 28 in. saw, w't 90 lbs., otherwise same as No. 10, each .....**JFCJ** $10.00

CARPENTERS' SHOULDER TOOL CHESTS.



No. 30—Hardwood, size 25x8x8 in. inside measurement, has saw rack, will take 20 in. panel saw, nicely finished, with iron handles, fitted with iron lock and key, w't 11 lbs., each .....**BDJ** $4.00

No. 40—Hardwood, size 32x8x8 in. inside measurement, has saw rack which will take 28 in. saw, w't 14 lbs., otherwise same as No. 30 .....each **BIJ** $5.00



No. 33—All steel, lined with wood, size 33x8x9 in., baked enamel finish, solid brass corners, side catches and lock, steel leather covered handles, patent hinged back in lid to hold three saws, will take a 28 in. saw, w't each 12 lbs., each .....**DFJ** $6.00

Chest is water-proof, will not warp or crack, and is far lighter than one made entirely of wood.

CABINET MAKERS' BENCHES.



No. 160—Hard maple thoroughly seasoned and kiln-dried, length 6½ ft., width 25 in., height 34 in., glued up maple top, 14 in. wide and 2⅝ in. thick, 10 in. recess for tools at back, maple legs 2¾x3½ in., furnished with front and tail vises fitted with 1¼ in. iron bench screws, under side of front piece of the top and upper edge of front girt are grooved to receive slides when wanted, w't 235 lbs., each★ .....**ADEJ** $17.00

No. 161—Length 6½ ft., width 30 in., height 34 in., width of top 16 in., w't 270 lbs., otherwise same as No. 160, each★ .....**AEHJ** $18.50

No. 162—Length 7 ft., width 30 in., height 34 in., width of top 16 in., w't 285 lbs., otherwise same as No. 160, each★ .....**AGAJ** $20.00

No. 164—Length 5 ft., width 22 in., height 34 in., width of top 13 in. and 2⅛ in. thick, w't 190 lbs., otherwise same as No. 160★ .....each **ABFE** $14.80

MANUAL TRAINING BENCHES.



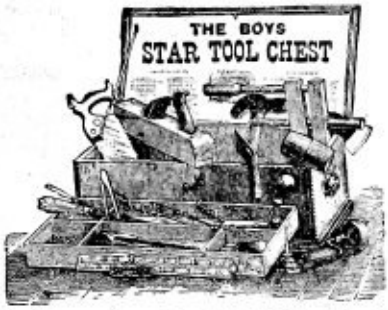
No. 166—Hard maple thoroughly seasoned and kiln-dried, length 4 ft. exclusive of vises, width 20 in., height 32 in., glued up maple top 13 in. wide and 1¾ in. thick, 7 in. recess for tools at back, backboard for holding tools, size of legs 1¾x3 in., furnished with front and tail vises both fitted with 1 in. iron bench screws, also furnished with three spring wood stops, w't 130 lbs.★.....each **AJJJ** $11.75



No. 167—Hard maple thoroughly seasoned and kiln-dried, with cabinet, length 4 ft. exclusive of vises, width 20 in., height 32 in., glued up maple top 13 in. wide and 1¾ in. thick, 7 in. recess for tools at back, backboard for holding tools, cabinet contains three drawers and cupboard all fitted with locks and keys, drawers are 19 in. long, 18 in. wide, 4 in. deep, cupboard is 10x14x18½ in., size of legs 1¾x3 in., furnished with front and tail vises both fitted with 1 in. iron bench screws, also furnished with three spring wood stops, w't 200 lbs.★ .....each **AGEJ** $20.50

The Leading Makes of Rapid Acting Vises can be Furnished at a Slightly Advanced Price.
★FOR FACTORY SHIPMENT ONLY, FROM CHARLESTON, W. VA.

TOOL CHESTS.



No. 45-B—Chestnut box, size 9½x4¼x2½ in., hinged cover, locked corners, well finished, with brown mouldings, containing about 8 tools, w't per doz. 17½ lbs., per dozen ..... **CJJ** $4.50

No. 60-B—Chestnut box with till, size 11x5x3⅜ in., hinged cover, with heavy brown mouldings, containing about 11 tools, w't per doz. 40 lbs. .....per dozen **EGJ** $9.75

No. 90-B—Chestnut box with tray, size 12½x6x4½ in., locked corners, with heavy brown mouldings, containing about 13 tools, w't per doz. 62½ lbs. .....per dozen **JHAJ** $12.75

No. 600-B—Chestnut box with tray, size 14½x6¼x4½ in., with heavy brown mouldings, containing about 16 tools, w't per doz. 90 lbs. .....per dozen **AADJ** $15.00

No. 700-B—Chestnut box with tray, size 15½x7½x5½ in., with heavy brown mouldings, containing about 16 tools, w't per doz. 105 lbs. .....per dozen **ACBJ** $18.75

No. 725-B—Size 16¼x7¼x6 in., polished hammer, large level, brace and bit, w't per doz. 110 lbs., otherwise same as No. 700-B .....per dozen **AEIJ** $21.75

No. 750-B—Chestnut box with tray, size 17x8x6 in., with heavy brown mouldings and bronze handles, containing about 24 tools, w't per doz. 125 lbs. .....per dozen **AHFJ** $27.00

No. 800-B—Chestnut box with tray, size 18x8½x6½ in., with heavy brown mouldings and bronze handles, containing about 28 tools, w't per doz. 140 lbs...per dozen **BFAJ** $36.00

NO. 45-B, SIX DOZEN; NO. 60-B, THREE DOZEN; NO. 90-B, TWO DOZEN; BALANCE, ONE DOZEN IN A CRATE.

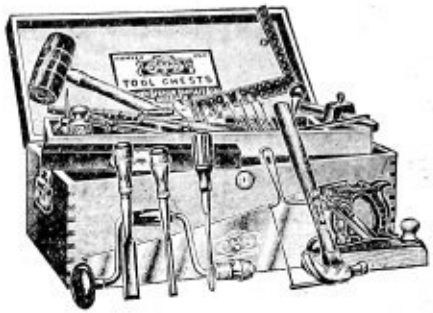
All sizes given are inside measures.



No. 500—H. S. B. & Co.'s men's work box, containing 17 different tools as enumerated below, made by the best makers and taken direct from stock, the assortment includes just such tools as every man needs about the house, dovetailed box, length 2 ft. 3¼ in., width 8¼ in., height 4⅛ in., w't 19 lbs. .....each **DEJ** $5.00

Contents.

1 No. 102 Level.
1 No. 40 Tool Handle.
1 Pair 6-in. Button Pliers.
1 No. 1—5 in. Screw Driver.
1 No. 61 Rule.
1 8 in. Agricultural Wrench.
1 ¼ in. Cast Steel Auger Bit.
1 ½ in. Cast Steel Auger Bit.
1 ¾ in. Cast Steel Auger Bit.
1 1 in. Cast Steel Auger Bit.
1 No. 35—7-32 in. German Gimlet Bit.
1 No. 2 Maricopa Half Hatchet.
1 No. 110 Block Plane.
1 8 in. Washita Oil Stone, 1 lb.
1 Calumet Bell Face Nail Hammer.
1 No. 80—22 in. Panel Saw.
1 10 in. Barker's Brace.



No. 200—Hardwood box with tray size 25½x11½x9 in., dovetailed box, nicely finished, fitted with lock and key and chest handles on ends, contains 25 high grade tools, w't 30 lbs. .....each **JIFJ** $15.00

Contents.

1 No. 2 A. E. Nail Hammer.
1 ½ in. Socket Butt Chisel.
1 1 in. Socket Butt Chisel.
1 20 in. Panel Saw.
1 No. 100 Coping Saw.
1 6 in. Wing Divider.
1 10 in. Steel Square.
1 Scratch Awl.
1 No. 62 Marking Gauge.
1 No. R24 Plane.
1 No. 22½ Mallet.
1 No. 102 Level.
1 No. 03 Zigzag Rule.
1 6 in. Flat Bastard File and Handle.
1 6 in. Flat Slim Taper and Handle.
4 Auger Bits, ¼, ⅜, ½ and ¾ in.
1 Gimlet.
1 8 in. Plain Brace.
1 5 in. Screw Driver.
1 No. 35½ Nail Set.
1 No. 322 Pliers.
1 Alligator Wrench.
1 No. 31 Oiler.
2 oz. of Glue.
1 No. 111 Carpenter's Pencil.



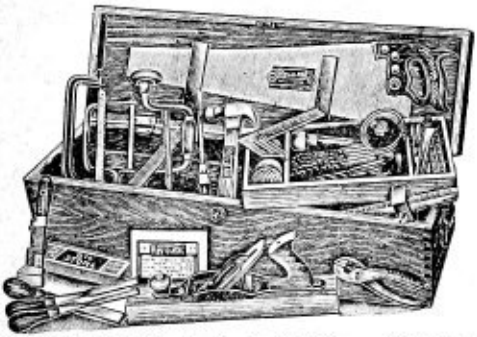
No. 300—Hardwood box with tray, size 25½x11½x9 in., dovetailed box, nicely finished, fitted with lock and key and chest handles on ends, contains 25 tools, w't 30 lbs., each .....**JGHJ** $12.00

Contents.

1 No. 2 Nail Hammer.
1 1 in. Socket Butt Chisel.
1 ½ in. Socket Butt Chisel.
1 20 in. "I Will" Panel Saw.
1 No. 100 Coping Saw.
1 No. 3—6 in. Divider.
1 No. 10 Steel Square.
1 No. 61 Marking Gauge.
1 No. 100 Scratch Awl.
1 No. 155 Plumb and Level.
1 No. R23 Plane.
1 No. 20 Mallet.
1 6 in. American Flat Bastard File and Handle.
1 6 in. American Slim Taper File and Handle.
1 No. 803 Zigzag Rule.
4 No. 62 Auger Bits.
1 No. 200 Gimlet.
1 8 in. Brace.
1 5 in. Screw Driver.
1 Nail Set.
1 No. 3120 Pliers.
1 No. 01 Alligator Wrench.
1 No. 0 Oiler.
1 2 oz. bottle of Glue.
1 No. 111 Carpenter's Pencil.

Nos. 200 and 300 contain tools well adapted for home use. They are also suited for boys desiring an assortment of high grade and serviceable tools.

TOOL CHESTS.

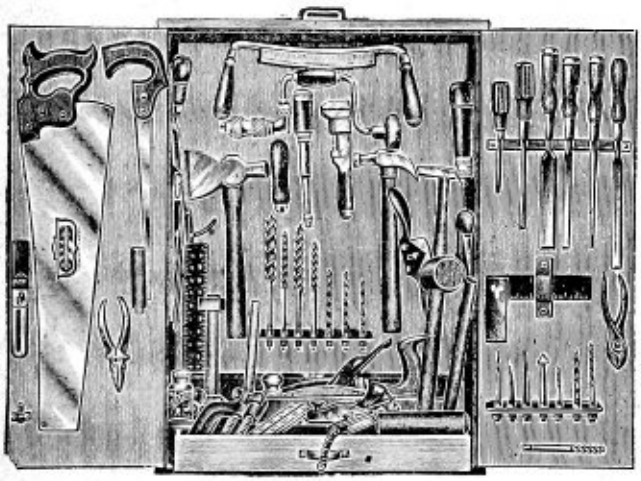


No. 140 RWWROC—Hardwood dovetailed box, with tray size 30x8½x7½ in., nicely finished, fitted with lock and key and enameled chest handles on ends—contains 40 high grade tools especially adapted for home and farm use, w't 32 lbs. .....each **AAGJ** $20.00

CONTENTS.

1—No. 211½ RWWROC Hammer.
1—24 in. No. 70 RWWROC Saw.
1—No. R26 RWWROC Plane.
1—Each ⅝, ¾ and 1¼ in. No. 415 RWWROC Chisels.
1—No. 208 RWWROC Brace.
1—Each 4-16, 5-16, 6-16, 7-16, 8-16 and 12-16 in. No. 26 RWWROC Augur Bits.
1—Each 1/8, 5-32, 3-16, ¼ and 5-16 in. No. 108 RWWROC Bit Stock Drills.
1—Each 6 and 10 in. RWWROC Mill Files.
1—6 in. RWWROC Slim Taper File.
1—8 in. RWWROC Round Bastard File.
1—8 in. No. 14 RWWROC Wrench.
1—No. 600 RWWROC Pliers.
1—6 in. No. 6 RWWROC Screw Driver.
1—½ in. RWWROC Cold Chisel.
1—No. 35½ RWWROC Nail Set.
1—No. 33 RWWROC Tape.
1—No 127 RWWROC Screw Driver Bit.
1—No. 1 RWWROC Scratch Awl.
1—Brad Awl.
1—No. 1 Gimlet.
1—No. 121 Hack Saw Frame and Blade.
1—No. 100 Coping Saw and 1 doz. Blades.
1—No. 62 Marking Gauge.
1—No. 26 Try Square.
1—No. 61 Rule.
1—No. 277 Oil Stones.
1—No. 24 RWWROC Sand Paper Assortment.
1—No. 3 Chalk Line and Chalk.

TOOL CABINETS.



No. 150 GWD—Hardwood, nicely varnished, dovetailed, with two paneled doors, brass hinges, lock with key and heavy brass bolt, outside measurement 31x22½x7¼ in., inside measurement 29½x21x7¼ in., inside drawer 19½x5x2 in., with 60 best grade tools, as above, w't 85 lbs., each .....**BFDJ** $50.00

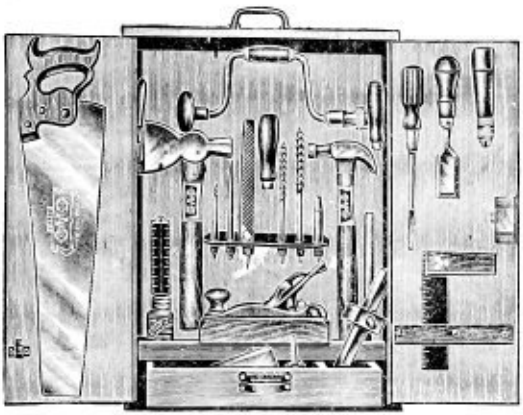
CONTENTS OF No. 150.

8 in. GWD Drawing Knife.
No. 1908—8 in. GWD Ratchet Brace.
⅝, ½, ¾ and 1 in. GWD Auger Bits.
No. 30—4 and 8-32nds GWD Gimlet Bits.
No. 18 Countersink Bit.
No. 1—½ in. GWD Reamer Bit.
No. 7 Screw Driver Bit, GWD.
⅛, ½ and 1 in. GWD Socket Firmer Beveled Chisels.
No. 31 Oiler.
No. 12 Mallet.
No. 2 Carriage Maker's Clamp.

CONTENTS—Cont'd.

8 in. GWD Mill File, with handle.
No. 2 Spoke Shave.
1 each No. 9-A 1/8, 7/32, ¼, 5/16 and ⅜ in. Drill Bits.
No. 041 Yankee Hand Drill.
5½ in. GWD Slim Taper File, with handle.
10 in. GWD Half Round Cabinet File with handle.
No. 716 Mounted Oil Stone.
No. 2 GWD Tool Handle.
3 in. GWD Screw Driver.
6 in. GWD Screw Driver.
8 in. GWD Wing Divider.
GWD Scratch Awl.
GWD Brad Awl.
No. 44 GWD Nail Set.
No. 322 Combination Plier.
No. 5 Glass Cutter.
No. 22 GWD Cabinet Scraper.
No. 33 Measuring Tape.
No. 781 Carpenter's Pencil.
No. 62 Marking Gauge.
2 ounces LePage's Glue.
No. 60—½ in. GWD Socket Firmer Gouge.
No. 00 Level.
1 doz. No. 1—9 in. GWD Hack Saw Blades.
GWD Tack Claw.
No. 61 Rule.
8 in. Agricultural Wrench.
No. 26 RWWROC Jack Plane.
No. 9½ RWWROC Block Plane.
22 in. GWD Panel Saw.
12 in. GWD Compass Saw.
GWD Hack Saw Frame.
GWD Coping Saw.
No. 2 GWD Bell Face Nail Hammer.
No. 1 GWD Riveting Hammer.
No. 1 GWD Shingling Hatchet.
No. 10 GWD Blue Steel Square.
No. 20—6 in. GWD Try Square.
No. 25—8 in. GWD Sliding T Bevel.

TOOL CABINETS.



No. 25 ⓒⓥⓑ—Hardwood, nicely varnished, dovetailed, with two paneled doors, outside measurement 24x17x6 in., inside measurement 22¼x15¾x5½ in., inside drawer 13¼x3x2 in., brass hinges, lock with key and heavy brass bolt with 21 best grade tools as above, w't 45 lbs...each **ABFJ** $25.00

CONTENTS.

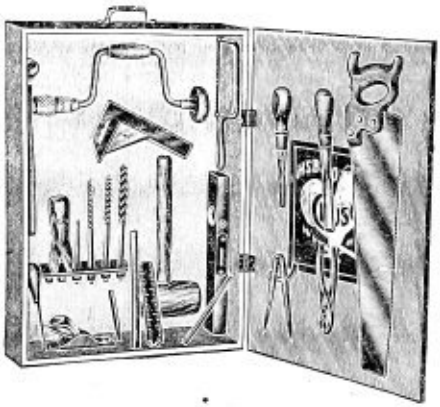
No. 24 ⓇⓉⓋⓄⓃⒸ Plane.
18 in. ⓒⓥⓑ Panel Saw.
No. 2 ⓒⓥⓑ Bell Face Nail Hammer.
No. 1 ⓒⓥⓑ Shingling Hatchet.
1 each ⅜ and ½ in. ⓒⓥⓑ Auger Bits.
No. 30—4-32nds ⓒⓥⓑ Gimlet Bit.
No. 213—1½ in. Butt Chisel.
No. 1 ⓒⓥⓑ Tool Handle.
No 322 ⓇⓉⓋⓄⓃⒸ Plier.
No. 1 Cabinet Scraper.
No. 111 Carpenter's Pencil.
8 in. Plain Brace.
No. 20—6 in. Try Square.
6 in. ⓒⓥⓑ Screw Driver.
No. 70—6 in. Oil Stone.
8 in. ⓒⓥⓑ Mill File, with handle.
5½ in. ⓒⓥⓑ Slim Taper File, with handle.
No. 35½ Nail Set.
No. 61 Rule.
No. 62 Marking Gauge.
No. 31 Copper Plated Oiler.
2 oz. LePage's Glue.

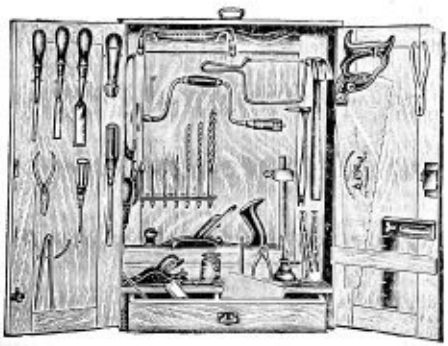
CRUSO.

Cruso, cottonwood box, size 24x17x6 in., nicely finished, fitted with one handle on end, cotains 25 tools, as below, w't 21 lbs. .....each **DBJ** $7.00

CONTENTS.

No. 012 Calumet Hammer.
No. 415—¼ in. Chisel.
No. 50—18 in. Panel Saw.
No. 100 Coping Saw.
No. F68 Rule.
1 each No. 62—¼, ⅜ and ½ in. Auger Bits.
No. P8 Brace.
No. 306 Plier.
No. 26—..6 in. Try Square.
No. 10—4 in. Screw Driver.
No. 25 Gimlet.
No. R102 Plane.
No. 20 Mallet.
No. 100 Scratch Awl.
No. 35½ Nail Set.
No. 155 Level.
No. 01 Alligator Wrench.
No. 3—6 in. Divider.
2 oz. Glue.
No. 111 Pencil.





No. 101.

No. 101—Hardwood, dovetailed, paneled and nicely finished, outside dimensions 26⅞x19⅝x8⅞ in., contains 35 first quality tools, as below, w't 55 lbs.....each **AEJJ** $30.00

CONTENTS.

2 Planes.
1 Rule.
1 Try Square.
1 Marking Gauge.
1 Knurled Nail Set.
1 Pair Wing Dividers.
1 Pair Gas Pliers.
1 Pair Flat Nose Pliers.
1 Pair Cutting Nippers.
1 Saw File.
1 Oil Whetstone.
1 Oiler.
1 Glue Pot.
1 Coping Saw.
1 18 in. Saw.
1 Brace.
3 Gimlets.
3 Auger Bits.
3 Chisels.
2 Screw Drivers.
1 Hack Saw.
1 Hexagon Level.
1 Countersink.
1 Cabinet Scraper.
1 Steel Nail Hammer.
1 Tack Hammer.
1 Tool Holder, with 10 Tools.
1 Drawing Knife.

WOOD-WORKING MACHINERY.

SCROLL SAWS.



No. 1—New Rogers, japanned iron frame, striped in red and gold, japanned tilting-table, selected ash arms and pitman, steel arbors, carefully fitted to bearings, 4½ in. iron balance wheel, with drilling attachment, improved saw clamps, height of table 32 in. The swing around the table under the arm is 34 in., complete with 1 dozen saw blades, wrench, sheet of designs and drill points, w't 25 lbs., boxed for shipment 42 lbs.,
each .....**DCJ** $5.00

ONE IN A BOX. SHIPPED KNOCKED DOWN.



No. 7—Cast iron frame, hard maple table and arms, balance wheel runs on steel arbor, 7 in. blade, complete with 1 dozen saw blades, w't 55 lbs., boxed for shipment 80 lbs.★..each **ACHJ** $15.00

For carpenters and builders, cabinet makers and other wood workers. Will saw pine 2 in. thick, 1 ft. per minute; 1 in. thick, 4 ft. per minute. Ordinary rate of speed when sawing, from 800 to 1,200 strokes per minute. Leaves the work as smooth as is possible for any saw to do, and can be taken out and replaced in an instant for inside work. The swing around the blade under the arm is 24 in.

VELOCIPEDE SCROLL SAWS.



No. 2—Cast iron frame, hard maple table and arms, balance and drive wheels run on steel arbors, 7 in. blade, with 1 dozen blades—without attachment—w't 90 lbs., boxed for shipment 130 lbs.,
each★ .....**AFEE** $18.00

No. 2-B—With boring attachment, including one ⅜ in. bit,
each★ .....**AHDJ** $20.00

The swing around the blade under the arm is 24 in. The boring attachment can be furnished at any future time, if not desired when ordering the machine. We can furnish extra bits at the following prices, each: ⅛,15c; 3-32, 15c; ¼, 20c; 5-32, 20c; ⅜, 25c; 7-32, 30c; ½, 35c.

COMBINED CIRCULAR AND SCROLL SAWS.



Showing Circular Saw Only.

No. 25—Circular saw only—with two 6 in. saws—without attachments,
each★ .....**CBBJ** $35.00

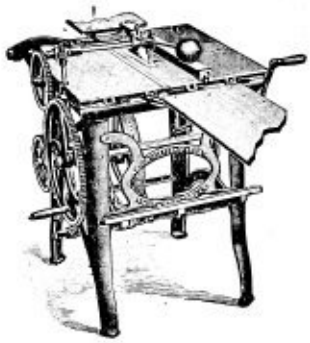
No. 26—Scroll saw attachment—1 dozen saws—★ extra.....each **DFJ** $5.00

No. 27—Boring attachment, with drill chuck,★ extra ....each **JIBJ** $10.00

No. 28—Combined machine, complete with attachments★ each **DFJJ** $50.00

Neither the circular nor the scroll saw interferes in the slightest degree with the successful operation of the other. The capacity of the scroll saw is the same as that of No. 7. The table can be handily adjusted up or down by a cam, to allow any desired depth of cut being made by the saws or cutter tools. The circular saws are 6 in. in diameter, and reach 1⅝ in. above the table. Weight boxed for shipment, 350 lbs.

CIRCULAR SAWS.



No. 4—Iron and steel frame, 30x30 in. iron table, complete with self-feed, two 10 in. circular saws—1 each rip and cross-cut—w't 400 lbs., crated 480 lbs.,
each★ .....**EHEE** $60.00

No. 5—With countershafts, for steam instead of foot power, otherwise same as No. 4★ .....each **FCEJ** $65.00

No. 6—Boring attachments,
each★ .....**JIHJ** 10.00

No. 7—Countershaft and belt pulleys,
each★ .....**JIHJ** $10.00

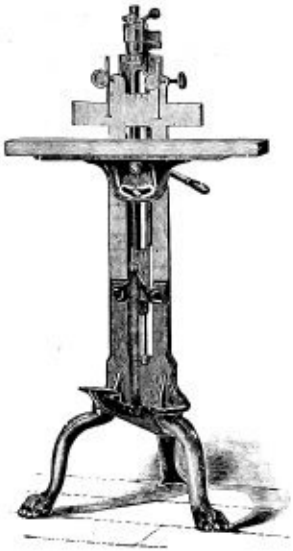
No. 8—Universal mitre gauges,
each★ .....**JIHJ** 10.00

Hand and foot power for hard or soft, thick or thin lumber. Can be used as a cross-cut saw. Self-feed mechanism can be instantly thrown back to rear of machine, also rip gauge, leaving table perfectly clear for cut-off work. Can be used for rabbeting and grooving. The self-feed can be used for grooving and rabbeting as well as when the machine is used for ripping. Cutter heads are also used for graining and dadoing, and with knives of suitable width for joining. Can be provided with boring attachment which is the same as used on the combined machine.

★*FOR FACTORY SHIPMENT FROM ROCKFORD, ILL.*

WOOD-WORKING MACHINERY.

FOOT POWER MORTISERS.



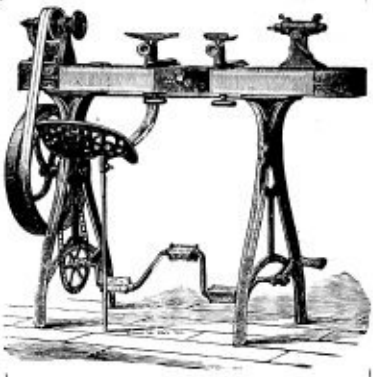
No. 9—Foot power mortisers, without chisels, w't 135 lbs., boxed 170 lbs., each★ .....**AIBJ** $20.00

No. 10—Self-cleaning mortising chisels, sizes ¼, ⅜, ½, ⅝, ½, ⅞, ⅝, ¾, ⅞ and 1 in.★ .....each **JIE** $1.00

No. 11—Blind slat chisels, with 3 set bits★ .....each **EDJ** $5.00

Has great range for work, power on the chisel, accuracy in its action, and has all the required adjustments, which are easily and quickly made. Has abundant strength, is durable, and occupies but little space. Except for the supplementary table and treadle, the machine is maetde entirely of iron and steel.

LATHES.



Barnes, Foot Power.

No. 3C—Complete, with 3 centers—1 a spur—2 tool rests and sockets, and 1 turned face plate, w't 230 lbs., boxed 320 lbs.★ .....each **CHDJ** $40.00

No. 3W—Without lower portion, but with short bench legs.★ each .....**BDJJ** $25.00

Designed for wood turning. Will take wood 12 in. in diameter and 3 ft. long. Has velocipede foot power and improved seat. Speed can be varied from 1,000 to 2,000 revolutions per minute, and the motion can be started, stopped or reversed instantly. Adjustable sliding seat can be readily moved along to any part of the bed that the work requires. This lathe is made entirely of iron and steel, except the bed, which is of wood. The spindle is of steel, fitted up in the best manner. All the bearings are of steel, making them strong, durable and light running. The centers are accurately fitted to taper holes. No wrench is required to adjust tail-stock or tool rests and sockets, hand wheels being used instead.

LATHES.



No. 4—Barnes, all iron and steel, velocipede foot power, complete as described below, w't 210 lbs., boxed 265 lbs., each★ .....**EAJJ** $50.00

For turning both wood and iron, and for boring, drilling, polishing, etc. Swings 7 in. and takes 20 in. between centers. Speed can be varied from 1,000 to 2,000 revolutions per minute. Solid bed with V-shaped projections, over which the head, tail-stocks and hand and slide rests are fitted. Lead screw for the carriage is operated by hand; carriage can be traveled 20 in., the entire distance between the centers, and can be engaged or disengaged instantly from the lead screw. The upper or cross-feed way on which the tool post moves can be set at any desired angle, and tapers can be turned and taper holes can be bored to the extent of its travel. Tail-stock can be moved and set at any point desired, by the simple turning of a hand wheel, or taken off entirely, leaving bed free for face plate or chuck work. Head-stock spindle has taper bearings, and is capable of very nice adjustment. Tail-stock center is self-discharging. The lathe includes face plate, two pointed centers and one spur center, hand rest, wrenches and necessary belting.

No. 4½—Barnes, all iron and steel, velocipede foot power, complete as described below, w't 270 lbs., boxed 340 lbs.★ .....each **GFEJ** $75.00

It is a back-geared screw-cutting lathe. Feeds right or left, and cuts screws right or left without change of gearing. Adjustable carriage for taper boring. Thoroughly gibbed for taking up wear. Tail-stock has side movement to adjust centers for turning tapers. Head-stock has hollow spindle for rods up to 1⅛ in. It swings 9 in. on the face plate and 4¼ in. over tool carriage, and takes 25 in. between centers, has three speeds, and is suitably arranged for heavy or light work in turning or polishing. With face plate, two pointed centers and one spur center, wrenches and necessary belting.

★*FOR FACTORY SHIPMENT ONLY, FROM ROCKFORD, ILL.*

LATHES AND GRINDING MACHINES.

LATHES.



Cut showing portion of Nos. 5 and 5½ Screw Cutting Engine Lathes.

Barnes all Iron and Steel, Velocipede Foot Power.

No. 5—Lathe, complete as described★ each **JIGGE** $100.00

No. 5—With extra long bed, 40 in. between centers, each★ ..... **AJBFE** $105.00

Swings 11 in. on the face plate, 6½ in. over the tool carriage, and is 34 in. between centers. Back-gearing and cone pulleys give great range of speed. Head stock has a steel spindle with 15-32 in. hole through its entire length. Tail stock can be readily set at any desired point, and can be taken off altogether, leaving it free for face plate or chuck work. It can also be set over for turning tapers. Spindles of both head and tail stocks are of steel, with positively true taper holes for the reception of the centers. Tail stock center is self-discharging. Tool carriage is gibbed to the bed. The tool can be set to the work at any position or angle desired; also to bore a taper hole. All the works are securely protected from chips and dirt. As a right or left screw cutting lathe it is simply perfect. All the gearing is cut from solid metal in the best machinery known for gear cutting, and is as true and noiseless as it is possible for metal gearing to be. Weight 385 lbs.; boxed ready for shipment, 500 lbs.

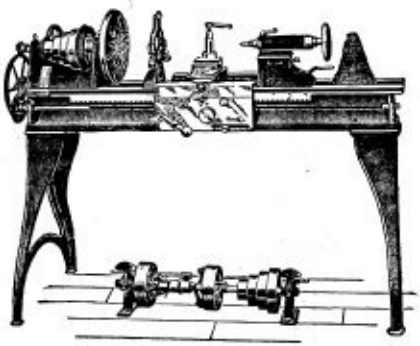
Barnes All Iron and Steel, Velocipede Foot Power.

	Length of Bed, Feet	Between Cent., Inch.	W't of Lathe, Lbs.	W't Boxed, Lbs.	Each.	
No. 5½	5	33	640	775	**ACAIE**	$135.00★
No. 5½	6	45	690	830	**ADAGE**	145.00★
No. 5½	7	57	740	890	**AEAEJ**	155.00★
No. 5½	8	69	790	950	**AFACJ**	165.00★
No. 5½	10	93	950	1150	**AHJHE**	185.00★

If countershaft is taken instead of foot power, advance list $5.00.

No. 5½ has patent twin screw feed and screw cutting combination, which makes change of feed in the tool carriage instead of in the head stock. Tail stock has side movement to adjust centers for turning tapers. Head stock has hollow spindle for rods up to ½ in. All the gearing is cut from solid metal. The boxes are accurately fitted to the spindle, with provision to keep them true and take up wear. Steel Spindle for both head and tail stocks. Tail stocks can readily be set at any desired point, or be taken off altogether. Swings on face plate, 13 in.; over tool carriage, 8 in. All the works are securely protected from chips and dirt.

LATHES.



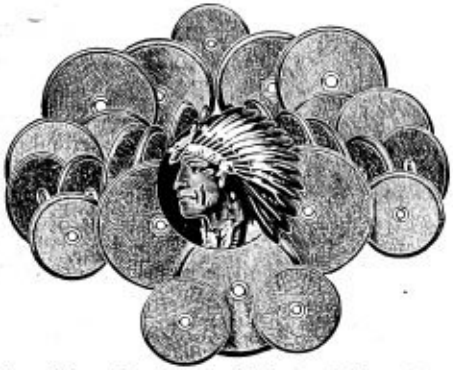
Barnes Automatic Cross-Feed and Compound Rest.

	Length of Bed, Feet	Between Cent., Inch.	W't of Lathe, Lbs.	W't Boxed, Lbs.	Each.	
No. 13	5	33	640	775	**AEHDJ**	$162.00★
No. 13	6	45	690	850	**AFHAE**	172.00★
No. 13	7	57	740	890	**AGGIJ**	182.00★
No. 13	8	69	790	950	**AHGGJ**	192.00★
No. 13	10	93	850	1050	**BJGBE**	212.00★

If countershaft is taken instead of foot power, advance list $5.00.

With the patent velocipede foot power, motion can be started, stopped or reversed instantly, and greater power can be applied on the work than with any old-style foot power, and with greater ease. Head stock has a hollow steel spindle that will take a ½ in. rod through its entire length. Boxes are accurately fitted to the spindle, with provisions to keep them true and take up wear. Tail stock can be readily set at any desired point, or taken altogether from the lathe bed, without removing nuts or bolts. It can also be set over for turning tapers. Spindles for both head and tail stocks are of steel, with positively true taper holes for the reception of the centers. Tail stock center is self-discharging. Tool carriage is gibbed to the bed. All the works are securely protected from chips and dirt. It is indexed for threads 4 to 32 and the change gears furnished can be combined for many other threads. Swings 13 in. on face plate; over tool carriage, 8 in. Has a splined screw, giving rod feed for turning, reversing the screw for thread cutting only.

CARBORUNDUM AND EMERY WHEELS, ETC.



Genuine Carborundum Wheels, Hardest and Sharpest, Made at Niagara Falls.



Made from High Grade Turkish Emery.

The same lists apply to both Carborundum and Emery Wheels.

Carborundum, DJ-BJ%. Emery DJ-BJ-AJ%

Diameter	Thickness of Wheels in Inches													Diameter
	1/8	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	
1	$0.40	$0.50	$0.50	$0.60	$0.60	$0.70	$0.80	$0.95	$1.05	$1.15	$1.35	$1.55	$1.80	$2.00	1
2	.60	.75	.75	.90	.90	1.00	1.15	1.30	1.45	1.60	1.85	2.15	2.40	2.70	2
3	.80	1.00	1.00	1.20	1.20	1.45	1.65	1.85	2.10	2.30	2.70	3.15	3.55	4.00	3
4	1.10	1.40	1.40	1.65	1.65	1.95	2.25	2.55	2.80	3.10	3.70	4.25	4.80	5.40	4
5	1.50	1.90	1.90	2.25	2.25	2.65	3.00	3.40	3.80	4.15	4.90	5.70	6.40	7.20	5
6	1.90	2.40	2.40	2.90	2.90	3.40	3.90	4.45	4.95	5.40	6.50	7.50	8.50	9.50	6
7	2.30	2.95	2.95	3.60	3.60	4.30	4.95	5.60	6.30	6.90	8.20	9.60	10.90	12.20	7
8	2.70	3.55	3.55	4.40	4.40	5.20	6.10	6.90	7.80	8.60	10.30	12.00	13.70	15.40	8
9	3.10	4.15	4.15	5.20	5.20	6.30	7.40	8.40	9.50	10.60	12.70	14.80	17.00	19.10	9
10	3.60	4.90	4.90	6.20	6.20	7.50	8.90	10.20	11.50	12.80	15.40	18.00	20.70	23.30	10
12	4.20	6.00	6.00	7.80	7.80	9.50	11.30	13.10	14.90	16.70	20.20	23.80	27.30	30.90	12
14	4.90	7.20	7.20	9.60	9.60	11.90	14.20	16.50	18.90	21.20	25.80	30.50	35.10	39.80	14
16	5.70	8.70	8.70	11.60	11.60	14.60	17.60	20.50	23.50	26.50	32.40	38.30	44.30	50.20	16
18	6.60	10.30	10.30	14.00	14.00	17.70	21.40	25.10	28.80	32.50	39.80	47.20	54.60	62.00	18
20	....	12.30	12.30	16.80	16.80	21.40	25.90	30.50	35.00	39.60	48.70	58.00	67.00	76.00	20
22	....	.....	.....	20.10	20.10	25.60	31.10	36.70	42.20	47.70	59.00	70.00	81.00	92.00	22
24	....	.....	.....	24.00	24.00	30.60	37.30	44.00	51.00	59.00	71.00	85.00	99.00	113.00	24
26	.....	.....	.....	.....	.....	36.40	44.50	52.50	61.00	69.00	85.00	101.00	117.00	133.00	26
28	....	.....	.....	.....	.....	.....	46.00	55.00	65.00	74.00	92.00	111.00	129.00	148.00	28
30	....	.....	.....	.....	.....	.....	58.00	68.00	79.00	89.00	111.00	132.00	153.00	174.00	30
32	....	.....	.....	.....	.....	.....	.....	72.00	84.00	96.00	121.00	145.00	169.00	193.00	32

Made for dry grinding only, unless ordered specially. In ordering emery wheels, please give the diameter, thickness, size of mandrel, state whether square, bevel or round face, and purpose for which to be used.

All sizes Carborundum Wheels ordered for band-saw gumming are Round Edge and are Wire Webbed, that is, are strengthened with wire running around the arbor or hole of wheel. This is the spot on wheel that receives most strain when placed on a grinding stand. This makes them practically unbreakable.

GRAIN EMERY.



Pure Turkish Emery.



Fine. Medium. Coarse.

Sizes 36, 46, 60, 80, 90, 100, 120 and 150.

	Per Lb.
Kegs, about 300 lbs.....J E	$0.12½
Half Kegs, about 150 lbs. ..J E	.13
5 lb. Packages .....J G	.16

WE DO NOT BREAK PACKAGES.

EMERY FLOUR.



Pure Turkish Emery.

Kegs, about 300 lbs., per lb., J D $0.07½

Half Kegs, about 150 lbs., per pound .....J D .08

5 lb. Packages....per pound J F .14

WE DO NOT BREAK PACKAGES.

EMERY WHEEL DRESSERS.



Huntington, for truing, shaping and removing glaze from solid emery wheels while running at full speed, w't per doz. 22 lbs.....per dozen J E D J $12.00

Extra Cutters, w't per doz. sets 1 lb., per set .....J H $0.25

PIKE'S OIL STONES AND SLIPS.

ARKANSAS SOFT [illegible] No. 1 QUALITY.

No. 396 [illegible]—5¾ to 6 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 13 lbs., per dozen **AEAJ** $18.00

No. 398 [illegible]—7¼ to 8 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 18 lbs., per dozen **BEBJ** $30.00

ONE IN AN INDIVIDUAL BOX.

Nos. 396 and 398 used extensively by sheep shearers.

ARKANSAS SOFT No. 2 QUALITY.

No. 496—5¾ to 6 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 12 lbs.....per dozen **FJE** $7.20

No. 498—7¾ to 8 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 16 lbs.....per dozen **AJAJ** $12.00

WRAPPED IN PAPER AND PACKED IN BULK.

Used extensively by sheep shearers.

[illegible] LILY WHITE WASHITA.

No. 386 [illegible]—5¾ to 6½ in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 11 lbs., per dozen .....**FAJ** $7.20

No. 387 [illegible]—6¾ to 7½ in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 12½ lbs., per dozen .....**FEE** $7.80

No. 388 [illegible]—7¾ to 8 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 14 lbs....per dozen **GEE** $9.00

ONE IN AN INDIVIDUAL BOX.

Hindostan, although usually called an oil stone, can be used with water with equally good results. It is a very fine grained sand stone and is undoubtedly the best low priced sharpening stone for mechanics' tools.

The Arkansas oil stone is found in two grades, known as hard and soft. The hard grade is especially adapted to sharpening highly tempered tools, requiring very keen, smooth edges, also pointed tools, such as are used by engravers, watchmakers, diezinkers, wood and ivory carvers, surgeons, etc. The soft Arkansas is better adapted for carpenters, machinists, cutters and others who require a stone for putting on a fine finishing edge.

The Washita stone is more generally used by carpenters and joiners than any other. This stone is obtained in several grades, of which the [illegible] Lily White brand is conceded to be the best general purpose stone yet discovered, it being capable of cutting away very rapidly and leaving a fine, smooth, lasting edge.

WASHITA No. 1 QUALITY.



No. 276—5¾ to 6½ in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 11½ lbs.....per dozen **CEE** $4.20
No. 277—6¾ to 7½ in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 13 lbs.....per dozen **DJE** $4.80
No. 278—7¾ to 8½ in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 14 lbs.....per dozen **EJE** $6.00.
PACKED IN INDIVIDUAL FOLDING CARTONS.

QUEER CREEK.

No. 165—5 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 9 lbs., per dozen .....**AFJ** $2.75
No. 166—6 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 10 lbs., per dozen .....**BAJ** $3.50
No. 167—7 in. long x 2 in. wide x ¾ to 1 in. thick, w't per doz. about 10½ lbs.....per dozen **BGJ** $4.50
PACKED IN INDIVIDUAL FOLDING CARTONS.

HINDOSTAN ASSORTED.

No. 57—Blue small, assorted 7x2x⅛ to 1 in., w't 1 lb.....per pound **AJ** $0.15
No. 58—Blue regular, assorted 8x2x1 to 1¾ in., w't from ¾ to 1½ lbs., per pound .....**JI** $0.12
PACKED IN BULK.

MOUNTED OIL STONES.



No. 907—Arkansas, soft, 7x2 in., mahogany box, w't per doz. 18 lbs., per dozen .....**AFBJ** $27.00
No. 716 [illegible]—Washita, 6x1⅞ in., polished hardwood box, w't per doz. 14 lbs.....per dozen **JGBJ** $12.00
No. 717 [illegible]—Washita, 7x2 in., polished hardwood box, w't per doz. 16 lbs. .....per dozen **JHJJ** $13.50
No. 725—Cruso, Queer Creek, 5x2 in., polished hardwood box, w't per doz. 14½ lbs.....per dozen **BGJ** $4.00
No. 727—Cruso, Queer Creek, 7x2 in., polished hardwood box, w't per doz. 16½ lbs.....per dozen **DCJ** $7.00
No. 805—Two Bits, 5x1¾x1 in., polished hardwood box, especially adapted for the household, w't per doz. 11½ lbs., per dozen .....**BAJ** $3.60

BEVELED OIL SLIPS.



ARKANSAS ROUND EDGE HARD [illegible] No. 1 QUALITY.

No. 93 [illegible]—2¾ to 3¼ in. long x 1¼ to 2 in. wide x ¼ to ⅜ x ⅛ to ⅛ in. thick, w't per doz. about 2⅛ lbs., per dozen .....**GEE** $9.00
No. 94 [illegible]—3¼ to 4½ in. long x 1¾ to 2 in. wide x ⅜ to ½ x ⅛ to ⅛ in. thick, w't per doz. about 3 lbs., per dozen .....**AJAJ** $12.00
ONE IN AN INDIVIDUAL BOX.

ARKANSAS ROUND EDGE SOFT [illegible] No. 1 QUALITY.

No. 593 [illegible]—2¾ to 3½ in. long x 1¾ to 2 in. wide x ¼ to ⅜ x ⅛ to ⅛ in. thick, w't per doz. about 3 lbs., per dozen .....**CEJ** $4.20
No. 594 [illegible]—3¼ to 4½ in. long x 1¾ to 2 in. wide x ⅜ to ½ x ⅛ to ⅛ in. thick, w't per doz. about 3¼ lbs .....per dozen **EJE** $6.00
ONE IN AN INDIVIDUAL BOX.

[illegible] LILY WHITE ROUND EDGE.

No. 184 [illegible]—3¼ to 4½ in. long x 1¾ to 2 in. wide x ⅜ to ½ x ⅛ to ¼ in. thick, w't per doz. about 3½ lbs., per dozen .....**BEJ** $3.00
ONE DOZEN IN A PASTEBOARD BOX.

WASHITA ROUND EDGE, No. 1 QUALITY.

No. 174—3¼ to 4½ in. long x 1¾ to 2 in. wide x ⅜ to ½ x ⅛ to ¼ in. thick, w't per doz. about 3 lbs., per dozen .....**BJJ** $2.40
No. 175—4¾ to 5½ in. long x 1¾ to 2 in. wide x ⅜ to ½ x ⅛ to ¼ in. thick, w't per doz. about 3¾ lbs., per dozen .....**BEJ** $3.00
ONE DOZEN IN A PASTEBOARD BOX.

HINDOSTAN ASSORTED.

No. 354—1 in. long x 1½ to 2 in. wide x ⅛ to ¼ in. thick, per lb. **AH** $0.30

AXE STONES.



No. 172—Washita, 2x2x¾ to 1⅛ in., w't ¼ to ⅜ lb.....per pound **BJ** $0.24
No. 153—Hindostan, small, assorted 3x 2x½ to 1 in., w't ¼ to ½ lb., per pound .....**AJ** $0.16
No. 154—Hindostan, large, assorted 4x 2x¾ to 1¾ in., w't ½ to ¾ lb., per pound .....**JI** $0.13
No. 1153—More Grit, 3¼x1¼x⅝ in., 5 to the pound .....per pound **AB** $0.20

OIL STONES AND SLIPS.

INDIA OIL STONES.



Fine.

No. 67—7 in. long x 2 in. wide x 1 in. thick, w't per doz. about 17 lbs., per dozen .....GEE $9.00

No. 266—6 in. long x 1¾ in. wide x ¾ in. thick, w't per doz. about 8¾ lbs.....per dozen EJE $6.00

Medium.

No. 14—4 in. long x 1 in. wide x ½ in. thick, w't per doz. about 2½ lbs., per dozen .....BIJ $3.60

No. 34—4½ in. long x 1½ in. wide x ⅝ in. thick, w't per doz. about 5¼ lbs.....per dozen DJE $4.80

No. 36—6 in. long x 1⅝ in. wide x ¾ in. thick, w't per doz. about 8¼ lbs., per dozen .....EJE $6.00

No. 16—6 in. long x 2 in. wide x 1 in. thick, w't per doz. about 13½ lbs., per dozen .....FJE $7.20

No. 17—7 in. long x 2 in. wide x 1 in. thick, w't per doz. about 17 lbs., per dozen .....GEE $9.00

No. 18—8 in. long x 2 in. wide x 1 in. thick, w't per doz. about 19 lbs., per dozen .....AJAJ $12.00

No. 44—Slip, 4½ in. long x 1¼x⅛x⅜ in., w't per doz. about 2½ lbs., per dozen .....CEJ $4.20

Combination.

One Coarse Side and One Fine Side.

No. 194—4½ in. long x 1½ in. wide x ⅝ in. thick, w't per doz. about 5¼ lbs.....per dozen EJE $6.00

No. 96—6 in. long x 1⅝ in. wide x ¾ in. thick, w't per doz. about 9½ lbs., per dozen .....FJE $7.20

No. 86—6 in. long x 2 in. wide x 1 in. thick, w't per doz. about 14 lbs., per dozen .....GEE $9.00

No. 87—7 in. long x 2 in. wide x 1 in. thick, w't per doz. about 16 lbs., per dozen .....AJAJ $12.00

No. 88—8 in. long x 2 in. wide x 1 in. thick, w't per doz. about 18 lbs., per dozen .....ABFJ $15.00

India oil stone has been on the market but a few years, yet its reputation has become world-wide. For rapid cutting it has no equal, and it leaves a remarkably smooth, lasting edge on the tool. It is made in coarse and medium grits. The coarse grit is used only where very rapid work is desired, the medium grit being used mostly by carpenters, joiners and others wanting a stone for general use.

The India is also made with the coarse grit on one side and medium on the other. This stone is very popular, as it saves many the necessity of buying two stones.

BENCH STONES, ONE IN AN INDIVIDUAL BOX; SLIPS, ONE DOZEN IN A BOX.

INDIA "KANT-BREAK" KNIFE SHARPENERS.



These "Stone Steels" are made of the most satisfactory abrasion known—India Corundum—a substance in hardness about that of a diamond. It is crushed into small grains, bound together under heavy pressure and hardened by heat. There is a strong reinforcing rod running the entire length of the steel as well as rubber tips at both ends and a rubber ring upon the handle. All serving to make the hone strong and less liable to break. We cannot too highly recommend these hones to the man who wants a very rapid cutting, durable sharpener.

No. 10—"Kant Break," w't per doz. 8 lbs.....per dozen DHJ $8.00

A STRONG, NEAT WOODEN COUNTER DISPLAY STAND PACKED WITH EVERY DOZEN HONES.

INDIA POCKET KNIFE STONES.

No. 193—3½ in. long x 1 in. wide x ¾ in. thick, w't per doz. about 2¼ lbs.....per dozen ADE $1.80

One of the best all around sharpeners for all sorts of small tools around the home, office and workshop. It is made of selected material and gives a sharp, keen edge.

PACKED IN NATURAL WOOD DISPLAY STANDS CONTAINING ONE DOZEN STONES.

SAND STONES.



No. 38—Shoemakers', about 8x1½x1½ in., w't about 1½ lbs., per pound .....JG $0.11

LOOSE.



No. 32—Kitchen, 8x1½x1½ in., neat wood box, w't per doz. 30 lbs., per dozen .....ACJ $1.50

ONE DOZEN IN A BOX.

OIL STONES.



No. 4 CVB—Assortment, consisting of 23 oil stones as follows, put up in a handsome display case 12x12x5½ in., w't complete for shipment 30 lbs., per assortment .....**ACBJ** $22.00

1—6 in. CVB Soft Arkansas	$1.50	$1.50
1—8 in. CVB Soft Arkansas	2.50	2.50
2—6 in. CVB Lily White Washita	.70	1.50
2—7 in. CVB Lily White Washita	.90	1.80
2—8 in. CVB Lily White Washita	1.00	2.00
1—6 in. Mounted Washita	1.00	1.00
1—7 in. Mounted Washita	1.25	1.25
1—3½ in. CVB Hard Arkansas Slips	.75	.75
1—4½ in. CVB Hard Arkansas Slips	1.00	1.00
1—6 in. Combination India	.75	.75
2—6 in. Medium India	.75	1.50
1—4½ in. Medium India Slips	.35	.35
6—3½ in. Medium India Slips	.15	.90
1—Strop Hone	1.00	1.00
		$17.80

EMERY OIL STONES.



Carpenters', One Side Coarse, the Other Side Fine.

No. 126—6x2x1¼ in., w't per doz. 15 lbs. .....per dozen **BFJ** $7.00

No. 127—7x2x1 in., w't per doz. 11 lbs., per dozen.....**CDJ** $9.00

No. 128—8x2x1 in., w't per doz. 12 lbs., per dozen.....**JC6E** $10.00

No. 1128—8x2¼x1 in., w't per doz. 14 lbs., ...per dozen **JDEJ** $12.00

Made of emery and silicates, for use with oil only.

ONE-HALF DOZEN IN AN INDIVIDUAL BOX.

RUBY OIL STONES.



"CRUSO."

Finest Ruby Corundum, One Coarse Side and One Fine Side.

No. 224 Cruso—4x1½x½ in., w't per doz. 5½ lbs.....per dozen **AFJ** $4.00

No. 226 Cruso—6x2x¾ in., w't per doz. 15 lbs.....per dozen **BGE** $7.00

No. 227 Cruso—7x2x1 in., w't per doz. 16 lbs.....per dozen **CEE** $9.00

No. 2227 Cruso—7x2½x¾ in., w't per doz. 20 lbs....per dozen **JCIE** $10.00

No. 228 Cruso—8x2x1 in., w't per doz. 19 lbs. .....per dozen **JCIE** $10.00

Made of ground corundum, held together by special bond. One side is coarse for quick cutting on a very dull tool, and the opposite side is very fine for finishing. Not affected by moisture. The bond is of such a peculiarly tough nature that the stone is not easily broken. It may be dropped from quite a height without damage. This does away with the necessity of having each mounted in a wooden case.

IN HANDSOME PASTEBOARD CASE.

ONE-HALF DOZEN IN A BOX.

RUBY OIL SLIPS.



"CRUSO.."

Finest Ruby Corundum.

No. 334 Cruso—4x2¼x½ in., coarse, w't per doz. 2 lbs., per dozen **AFJ** $4.00

No. 2334 Cruso—4x2¼x½ in., fine, w't per doz. 2¼ lbs., per dozen.....**AFJ** $4.00

ONE-HALF DOZEN IN A BOX.

RUBY KNIFE STONES.



"CRUSO.."

Pocket, Finest Ruby Corundum.

No. 403 Cruso—3½x¾x¾ in., in leatherette case w't per doz. 1¾ lbs., per dozen .....**ABJ** $3.00

ONE DOZEN IN A WOOD DISPLAY CASE.

CARBORUNDUM RUBBING BRICKS.



For Dressing or Scouring.

No. 206—8x3x2 in., w't per doz. 47 lbs., per dozen .....**ABGJ** $16.30

No. 207—8x3x3 in., w't per doz. 70 lbs., per dozen .....**AHBE** $23.40

No. 211—8x2x2 in., w't per doz. 32 lbs., per dozen .....**JHIJ** $11.40

No. 212—8x2x1 in., w't per doz. 16 lbs., per dozen .....**EBJ** $6.70

No. 213—6x3x3 in., w't per doz. 45 lbs., per dozen .....**ADJE** $18.00

No. 205—6x3x2 in., w't per doz. 35 lbs., per dozen .....**JIIJ** $12.70

No. 214—6x2x2 in., w't per doz. 19 lbs., per dozen .....**GJJ** $9.00

No. 215—6x2x1 in., w't per doz. 12 lbs., per dozen .....**DDJ** $5.60

No. 221—4x3x3 in., w't per doz. 35 lbs., per dozen .....**JIIJ** $12.70

No. 228—4x3x2 in., w't per doz. 25 lbs., per dozen .....**GJJ** $9.00

Suitable for dressing granite and marble, or scouring castings, chilled iron and steel. Made in any grit, 20 (coarse) to FF (fine.) When ordering state grit wanted or for what purpose.



For Concrete.

8x2x2 in., w't per doz. 32 lbs., per dozen .....**JHIJ** $11.40

8x3x3 in., w't per doz. 70 lbs., per dozen .....**AHBE** $23.40

The carborundum rubbing brick is the fastest cutting medium known for removing form marks and for dressing down concrete work. The brick is fluted on two sides, so as to give it a shear cut.

These bricks are all made by vitrified process, and can be used dry, or with water or oil.

Every rub brick absolutely guaranteed.

CARBORUNDUM STONES.



For Truing and Dressing Emery Wheels.

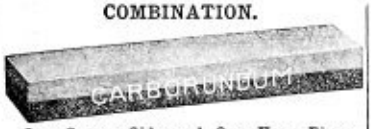
No. C212—8x2x1 in., w't per doz. 16 lbs., per dozen .....**EBJ** $6.70

Especially adapted for shaping, truing and dressing gummers.

CARBORUNDUM STONES.

Every Stone is Guaranteed to be Perfect, Can be Used with Oil, Water or Dry.

COMBINATION.



One Coarse Side and One Very Fine Side.

No. C108—8x2x1 in., w't per doz. 13½ lbs. .....per dozen **AJHJ** $15.00
No. C110—7x2x1 in., w't per doz. 12 lbs. .....per dozen **JIIE** $13.80
No. C109—6x2x1 in., w't per doz. 10½ lbs. .....per dozen **JHFE** $12.00
No. C111—5x1⅜x¾ in., w't per doz. 6 lbs. .....per dozen **FEJ** $9.00
No. C112—4x1⅛x⅝ in., w't per doz. 4 lbs. .....per dozen **DCJ** $6.00

ONE IN A CARTON.

SHARPENING.



Fine Grit.

No. C115—8x2x1 in., w't per doz. 16½ lbs. .....per dozen **JHFE** $12.00
No. C118—8x2x¾ in., w't per doz. 10½ lbs. .....per dozen **FIJ** $9.60
No. C121—6x2x1 in., w't per doz. 10½ lbs. .....per dozen **FEJ** $9.00
No. C124—6x2x⅝ in., w't per doz. 6½ lbs. .....per dozen **EBJ** $7.20
No. C133—7x2x1 in., w't per doz. 13 lbs., per dozen .....**JGGE** $10.80
No. C136—5x2x⅝ in., w't per doz. 8 lbs., per dozen .....**DCJ** $6.00
No. C142—4x1¾x½ in., w't per doz. 3½ lbs. .....per dozen **CDE** $4.80

Medium Grit.

No. C116—8x2x1 in., w't per doz. 13½ lbs. .....per dozen **JHFE** $12.00
No. C119—8x2x¾ in., w't per doz. 10½ lbs. .....per dozen **FIJ** $9.60
No. C122—6x2x1 in., w't per doz. 10½ lbs. .....per dozen **FEJ** $9.00
No. C125—6x2x⅝ in., w't per doz. 6½ lbs. .....per dozen **EBJ** $7.20
No. C134—7x2x1 in., w't per doz. 13 lbs., per dozen .....**JGGE** $10.80
No. C137—5x2x⅝ in., w't per doz. 8 lbs., per dozen .....**DCJ** $6.00
No. C143—4x1¾x½ in., w't per doz. 3½ lbs. .....per dozen **CDE** $4.80

ONE IN A CARTON.

MACHINISTS' SPECIAL.



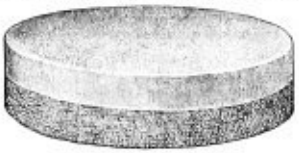
Fine Grit.

No. C292—4x1x½ in., w't per doz. 1¾ lbs. .....per dozen **BFJ** $3.60

Especially designed for machinists' use. Fast cutting and hold their shape perfectly. The grit and grade of hardness is adapted to sharpening lathe and planer tools, milling cutters, reamers and drills.

ONE IN A CARTON.

ROUND COMBINATION BENCH.

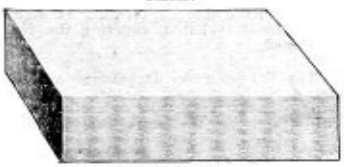


One Side Coarse, Other Very Fine.

No. C107—4x1 in., w't per doz. 10½ lbs., per dozen .....**JHFE** $12.00

Sharpening area contains 12 square inches; plenty of room for a long sweeping circular motion for the widest tools.

AXE.



Medium Grit.

No. C193—2½x1½x½ in., w't per doz. 3½ lbs. .....per dozen **AGE** $2.40
No. C194—3x1½x½ in., w't per doz. 4½ lbs. .....per dozen **BAE** $3.00
No. C195—2½x2½x½ in., w't per doz. 6 lbs. .....per dozen **BAE** $3.00

ROUND COMBINATION AXE.



One Coarse Side and One Fine Side.

No. C196—3x⅝ in., w't per doz. 4 lbs., per dozen .....**CJJ** $4.20

ABOVE ONE IN A CARTON.

CARBORUNDUM OIL STONE BOXES.



Varnished Wood.

Nos.	1	2	3
For stone, in.	8x2x1	6x2x1	4x1½x1
W't per doz., lbs.	4½	3	2
Per dozen	$1.50	3.50	3.50
	BEJ	BEJ	BEJ



Painted Black.

Nos.	6	7	8
For stone, in.	6x2x1	7x2x1	8x2x1
W't doz., lbs.	28	33	35
Per dozen	$7.00	7.00	7.00
	EJE	EJE	EJE

SLIP.



Fine Grit.

No. C174—6x2½x⅜ tapering to ⅜ in. thick, w't per doz. 8 lbs., per dozen .....**FEJ** $9.00
No. C177—4½x1¾x¼ tapering to ⅛ in. thick, w't per doz. 4 lbs., per dozen .....**DCJ** $6.00
No. C180—4½x2½x⅝ tapering to ⅜ in. thick, w't per doz. 5 lbs., per dozen .....**EBJ** $7.20
No. C183—4½x1¾x½ tapering to ⅜ in. thick, w't per doz. 4 lbs., per dozen .....**DCJ** $6.00

Medium Grit.

No. C175—6x2½x¾ tapering to ⅜ in. thick, w't per doz. 8 lbs., per dozen .....**FEJ** $9.00
No. C178—4½x1¾x½ tapering to ⅛ in. thick, w't per doz. 4 lbs., per dozen .....**DCJ** $6.00
No. C181—4½x2½x⅝ tapering to ⅜ in. thick, w't per doz. 5 lbs., per dozen .....**EBJ** $7.20
No. C184—4½x1¾x½ tapering to ⅜ in. thick, w't per doz. 4 lbs., per dozen .....**DCJ** $6.00

ONE IN A CARTON.

POCKET HONES.



No. C150—Round, 2 in. diam., ¾ in. thick, w't per doz. 14 oz., per dozen .....**ACJ** $1.80



No. C149—Two dozen stones 3x⅞x⅛ in., mounted in a 10x12 in. attractive display box with easel back, per carton .....**BFJ** $3.60

Made of the finest carborundum powder, and of a hardness suitable for sharpening pocket knives, ink scratchers, scissors and small tools. Smooth, fast cutting, producing a very sharp, keen edge. This stone is put up in a neat buff colored carton.

CARBORUNDUM STONES.

CARBORUNDUM DISPLAY CASES.



This is an attractive display. Gives an unmistakable emphasis, an emphasis which means increased sales.

This is the newest of the trade stimulating Carborundum display cases. It is about fourteen inches square and seven inches high. It is made in the natural wood colors, is strong, durable and practical as a stock keeper, and as a display medium is a most desired addition to any counter.

Four spacious drawers, each fitted with a strong drawer pull, are built into the body of the case. Each drawer is large enough to hold a good supply of the quick-selling, hardest and sharpest Carborundum Stones.

A most artistic tone is given the case by the lift-top cover, on the inside of which appears the Carborundum Indian Head trade mark done in five glowing colors.

When the case is placed in the regular stock shelves it does not entirely lose its value as a display medium as many cases do. In closing the case, the drop-hinged front is lifted, covering the four-drawer ends and being secured with a small brass hook.

The lift-top cover is lowered and fits tightly to the body of the case, making the interior dust-proof. Across the hinged drop front the words "Carborundum Sharpening Stones," appear in rich gilt letters, identifying the case when it is placed with others on the store shelves, and adding greatly to its display value. This case is given absolutely free to any dealer purchasing any one of the following assortments.

No. 1 Assortment—Containing 26 carborundum stones, total retail value $16.75, w't per assortment 20 lbs., per assortment .....8...**ABJE** $16.75

		Retail Value
1	C107 Round Combination Stone	$1.00
2	C108 Combination Stones	2.50
2	C109 Combination Stones	2.00
1	C111 Combination Stone	.75
1	C112 Combination Stone	.50
2	C121 Sharpening Stones, Fine	1.50
1	C133 Sharpening Stone, Fine	.90
4	C134 Sharpening Stones, Fine	2.40
2	C136 Sharpening Stones, Fine	1.00
2	C180 Slip Stones, Fine	1.20
1	C181 Slip Stone, Medium	.60
2	C183 Slip Stones, Fine	1.00
1	C184 Slip Stone, Medium	.50
2	C193 Axe Stones	.40
2	C195 Axe Stones	.50
	Total	$16.75

No. 2 Assortment—Containing 33 carborundum stones, total retail value $25.00, w't per assortment 30 lbs., per assortment .....**AGIE** $24.95

		Retail Value
2	C107 Round Combination Stones	$2.00
2	C108 Combination Stones	2.50
2	C109 Combination Stones	2.00
2	C111 Combination Stones	1.50
2	C112 Combination Stones	1.00
2	C115 Sharpening Stones, Fine	2.00
1	C116 Sharpening Stone, Medium	1.00
2	C118 Sharpening Stones, Fine	1.60
1	C119 Sharpening Stone, Medium	.80
2	C121 Sharpening Stones, Fine	1.50
1	C122 Sharpening Stone, Medium	.75
2	C133 Sharpennig Stones, Fine	1.80
1	C134 Sharpening Stone, Medium	.90
2	C136 Sharpening Stones, Fine	1.00
1	C137 Sharpening Stone, Medium	.50
2	C142 Sharpening Stones, Fine	.80
2	C180 Slip Stones, Fine	1.20
1	C181 Slip Stone, Medium	.60
2	C183 Slip Stones, Fine	1.00
1	C184 Slip Stone, Medium	.50
	Total	$24.95

CARBORUNDUM GRAINS AND POWDERS.



GRAIN Nos. 24, 30, 36, 40, 50, 60, 70, 80, 90, 100, 120, 150, 180 and 220.

POWDER Nos. F, FF, FFF.

Any Grit, Number, Grain or Powder.

1 lb. cans	per lb.	**BD**	$0.25
5 lb. cans	per lb.	**AI**	.20
10 lb. bags	per lb.	**AH**	.20
25 lb. drums	per lb.	**AH**	.20
50 lb. drums	per lb.	**AC**	.16
100 lb. kegs	per lb.	**AC**	.16
150 to 300 lb. kegs	per lb.	**AB**	.14

The carborundum grains and powders are produced by crushing the crude carborundum crystal masses.

The grains are subjected to an acid treatment, then graded into the different grits by a sieving process.

The grains too small to grade by sieving are graduated in running water, the finest grains being those which float longest.

ALL STONES GUARANTEED.

WE GUARANTEE ALL STONES IN THE DISPLAY AND STOCK, AND WILL REFUND FULL PRICE PAID FOR ANY STONE NOT GIVING ENTIRE SATISFACTION TO YOUR CUSTOMER.

CARBORUNDUM STONES.

No. 7 DISPLAY CASE.



We will furnish FREE, the above illustrated display case, providing the dealer will purchase from us the stones displayed in case, and a selling stock of stones, at a total investment of $41.60, list price.

With this proposition the dealer is assured of three things—First, of a wide margin of profit. Second, a quick selling stock of Carborundum Sharpening Stones, made of Carborundum, the hardest, sharpest, quickest cutting abrasive known. and third, of a very attractive display case of such finish and workmanship as to be quite in keeping with the furnishings of any first class hardware store.

The case is 24 inches high, 18 inches wide and 12 inches deep, made of the best grade golden finish quartered oak. The door and heavy glass-covered display panel showing an assortment of carborundum stones are in one. The stones are attractively arranged on dark cloth-covered panel, with number and selling price of stones stamped on each stone. Stones are easily removable. Back of the door are four spacious compartments for carrying stone assortment. The stock is accessible from the front of the case, making it very convenient.

This is a splendid, attractive case especially designed for the window or counter display.

The following stones are displayed on the panel of the show case. They are rapid sellers and known to the trade.

		Retail Value
1	C103 Razor Hone	$0.75	$0.75
1	C200 Aloxite Razor Hone	.75	.75
1	C109 Combination Stone	1.00	1.00
1	C111 Combination Stone	.75	.75
1	C112 Combination Stone	.50	.50
1	C118 Sharpening Stone, Fine	.80	.80
1	C124 Sharpening Stone, Fine	.60	.60
1	C142 Sharpening Stone, Fine	.40	.40
1	C145 Sharpening Stone, Fine	.25	.25
1	C149 Pocket Stone, Fine	.15	.15
1	C183 Slip Stone, Fine	.50	.50
1	C184 Slip Stone, Medium	.50	.50
1	C194 Axe Stone	.25	.25
1	C292 Machinist's Stone, Fine	.30	.30
2	4x1/4 Round Sticks	.40	.80
2	4x1/4 Square Sticks	.30	.60
2	4x3/4 Triangular Sticks	.35	.70
	Total		$9.60

The following list, based upon our experience, is suggested for a sample stock of sharpening stones. This, however, must be considered only as a suggestion, as we desire every dealer to order what he considers best for his trade.

			Retail Value
2	C200 Aloxite Razor Hones	$0.75	$1.50
2	C103 Razor Hones	.75	1.50
2	C102 Razor Hones	.50	1.00
1	C101A Razor Hone	1.00	1.00
2	C107 Round Combination Stones	1.00	2.00
1	C108 Combination Stone	1.25	1.25
2	C109 Combination Stones	1.00	2.00
2	C110 Combination Stones	1.15	2.30
2	C111 Combination Stones	.75	1.50
2	C112 Combination Stones	.50	1.00
2	C115 Sharpening Stones, Fine	1.00	2.00
1	C116 Sharpening Stone, Medium	1.00	1.00
2	C118 Sharpening Stones, Fine	.80	1.60
1	C119 Sharpening Stone, Medium	.80	.80
2	C121 Sharpening Stones, Fine	.75	1.50
1	C122 Sharpening Stone, Medium	.75	.75
3	C124 Sharpening Stones, Fine	.60	1.80
2	C125 Sharpening Stones, Medium	.60	1.20
2	C142 Sharpening Stones, Fine	.40	.80
1	C143 Sharpening Stone, Medium	.40	.40
2	C145 Sharpening Stones, Fine	.25	.50
1	C180 Slip Stone, Fine	.60	.60
1	C181 Slip Stone, Medium	.60	.60
2	C183 Slip Stones, Fine	.50	1.00
2	C184 Slip Stones, Medium	.50	1.00
2	C194 Axe Stones	.25	.50
3	C292 Machinist's Stones, Fine	.30	.90
	Total		$32.00

No. 7—Display Case, complete with stock, w't 100 lbs., per case ..... **BIIE** $41.60

ALL STONES GUARANTEED.

WE GUARANTEE ALL STONES IN THE DISPLAY AND STOCK, AND WILL REFUND FULL PRICE PAID FOR ANY STONE NOT GIVING ENTIRE SATISFACTION TO YOUR CUSTOMER.

CARBORUNDUM NIAGARA SCYTHE STONES.

Every Scythe Stone Guaranteed.



Niagara Scythe Stones are made of carborundum, the hardest and sharpest abrasive material known. The sharpness gives an exceedingly rapid cutting quality, and the hardness imparts durability unequaled by any other abrasive. As Carborundum Niagara Scythe Stones are manufactured stones, they are uniform in texture, hardness and porosity. They never get smooth or gummy, and with a few strokes readily accomplish the work of the ordinary grindstone, producing a keen, sharp edge. Carborundum does not rub or grind; it cuts clean and quick. Niagara stones are guaranteed to the user to give perfect satisfaction or money refunded.

This display box is made of card-board reinforced with wood, and covered with a buff glazed coated paper.

Three sizes are put up in this way; one dozen No. C190, 10 inches in length, one dozen No. C191, 12 inches in length, and one dozen No. C192, heavy, 10 inches in length.

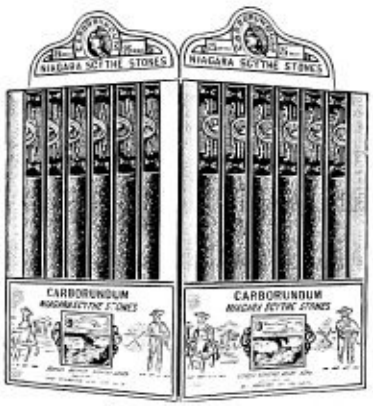
The box is hinged at the center and when folded back for display, is very substantial and makes as exceedingy attractive appearance.

No. C190—Length 10 in., w't per gro. 72 lbs., per gross ..... **BJGE** $28.80

No. C191—Length 12 in., w't per gro. 120 lbs., per gross..... **BEIJ** 36.00

No. C192—Length 10 in., heavy, w't per gro. 108 lbs., per gross..... **BEIJ** 36.00

ONE DOZEN IN A CARTON.



Nos. C190 to C192.



Nos. CW190 to CW 192.

For the convenience of the hardware dealer, three dozen of these scythe stones are furnished in a handsome display box of highly polished wood. This box is of convenient size to stand on the counter, and thus combines the means of display and keeping the stock in order. With each box we furnish a supply of advertising matter. This case and advertising matter is furnished free to the purchaser of three dozen of these scythe stones.

No. CW190—Length 10 in., size of box 12¼x7¾x5⅝ in., w't per gro. 80 lbs. .....per gross **BJGE** $28.80

No. CW191—Length 12 in., size of box 14¼x9¾x6¼ in., w't per gro. 128 lbs. .....per gross **BEIJ** $36.00

No. CW192—Length 10 in., **heavy**, size of box 12¼x9¾x6½ in., w't per gro. 120 lbs.....per gross **BEIJ** $36.00

THREE DOZEN IN A BOX.

SCYTHE STONES AND EMERY GRINDER HEADS.

SCYTHE STONES.



No. 80 —Oval, terra cotta, corundum, length 10 in., fine, w't per gro. 95 lbs. .....per gross **ABJJ** $20.00

Made of pure corundum, that is, they represent between 95 and 100 per cent of pure cutting material, therefore are the fastest cutting stone on the market.

After the stones are moulded, they are cleansed from all obstructive material, through the "vitrifying" process. In other words, they are passed through a very high heat, burning out all the impurities and leaving them porous, thus insuring free and rapid cutting without glazing.

ONE-QUARTER GROSS IN A BOX.



No. 95 —Oval, terra cotta, corundum, medium grit, length 10 in., w't per gro. 96 lbs., per gross .....**JHDJ** $13.50

Made of pure ground corundum, with steel rod extending entire length through center to prevent breaking.

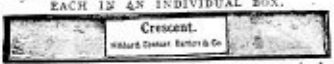
ONE-QUARTER GROSS IN A BOX.



No. 72—White Mountain, oval, square edges, best New Hampshire grit, medium fine, length 10 in., w't per gro. 148 lbs. .....per gross **AJHJ** $12.00

A nicely finished stone, especially selected from the choicest New Hampshire grit.

EACH IN AN INDIVIDUAL BOX.



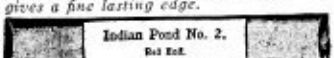
No. 62—Crescent, oval, coarse, grindstone grit, length 10 in., w't per gro. 96 lbs. .....per gross **FCJ** $7.00

This stone gives a quick, coarse edge.



No. 78 —Black Diamond, flat octagon, best Vermont grit, very fine, length 10 in., w't per gro. 116 lbs., per gross .....**AJHJ** $12.00

A fine gritted stone and at the same time very sharp and fast cutting. It gives a fine lasting edge.



No. 60—Indian Pond, No. 2, red end, clear grit, length 10 in., w't per gro. 104 lbs. .....per gross **DEJ** $5.00

No. 66—Pike's Genuine Indian Pond, No. 1, oval, red end, very sharp grit, length 10 in., w't per gro. 108 lbs., per gross .....**FFJ** $7.50

These stones will not glaze and they require no water. No. 66 is a nicely finished stone while No. 60 is of same stone but not so well finished.



No. 68—Willoughby Lake, round oval, bluish gray, fine sharp grit, length 10 in., w't per gro. 112 lbs., per gross .....**HAJ** $9.00

Gives a fine edge.

ONE-QUARTER GROSS IN A BOX.

SCYTHE STONES.



No. 64—Green Mountain, flat oval, Vermont grit, sharp, length 10 in., w't per gro. 112 lbs. ....per gross **FCJ** $7.00



No. 76—Lamoille, round oval, extra quality Vermont grit, very sharp, length 10 in., w't per gro. 124 lbs., per gross .....**JIIJ** $11.00

The Green Mountain and Lamoille are taken from the same quarry. The Lamoille is better finished and gives a finer edge.

ONE-QUARTER GROSS IN A BOX.

SCYTHE STONE ASSORTMENTS.



No. A Assortment—Consisting of 80 scythe stones as below, put up in a finished 12x11½x10½ in. case, w't complete for shipment 80 lbs., per assortment .....**FFJ** $9.00

18	Green Mountain .....each	$0.05	$0.90
12	Indian Pond, No. 1...each	.10	1.20
12	Quickcut .....each	.10	1.20
6	Mowing Machine ....each	.10	.60
12	White Mountain .....each	.15	1.80
12	Black Diamond .....each	.15	1.80
8	Corundum .....each	.15	1.20
80	Total.....		$8.70

THE OLD WAY—Scythe Stones kept in original rough boxes, behind the counter or in some out-of-the-way place where they could not possibly induce sales from their display, or be in attractive shape to offer to a customer for his selection.

THE NEW WAY—Scythe Stone Assortment—an assortment of scythe stones attractively displayed in a tasteful box, that looks well on a counter, with a quantity of scythe stone circulars for free distribution, giving the merits of the various kinds of stone, and with each kind of stone plainly marked with the selling price.

Each case contains seven varieties of our best selling brands, thus enabling the merchant to offer to his customer, in a well displayed compact form, a large assortment. Every stone is labeled with the retailing price as per list above.

EMERY GRINDER HEADS.

Wheels Not Included.



No. 21—5½ in. high, for jewelers, dentists, etc., will run 2 wheels 6 in. dia. and 1 in. thick, ⅝ in. steel spindle, ½ in. diam. between flanges, 10 in. long, pulley 2 in. diam., 1½ in. face, w't complete 9 lbs. .....each **BFJ** $5.00



No. 22—7 in. high, will run 2 wheels 10 in. diam., 1¾ in. thick, 13 in. steel spindles ⅞ in. diam. in bearings, ¾ in. diam. between flanges, bearings adjustable, 2 in. long, with brass oil cups, pulley 2⅝ in. diam., 1⅞ in. face, w't complete 20 lbs., each .....**JEDJ** $10.00



No. 23—10 in. high, will run 2 wheels 12 in. diam., 2 in. thick, 18 in. steel spindle 1⅛ in. diam. in bearings, 1 in. diam. between flanges, babbitted bearings 3⅞ in. long, same style as engine lathe bearings, self-oiling, pulley 3½ in. diam., 2¼ in. face, w't complete 40 lbs. .....each **JHDJ** $15.00



No. 24—12½ in. high, will run 2 wheels 16 in. diam., 2½ in. thick, 26 in. steel spindle 1⅞ in. diam. in bearings, 1¼ in. between flanges, babbitted bearings 4¼ in. long, same style as engine lathe bearings, self-oiling, pulley 5 in. diam., 4 in. face, w't complete 65 lbs. .....each **AADJ** $20.00

POLISHING HEADS.



Will run emery wheels, buffers, polishing wheels and small circular saws, also fitted with chuck for holding drills. We furnish head only as shown in illustration.

No. 10—6¾ in. high, for wheels not larger than 6x½ in., 9 in. spindle, ¾ in. diam. between flanges, one end 2 in. taper screw, other end fitted to hold emery wheels, etc., 2 speed pulleys for ¼ in. round belting, w't 3½ lbs., each .....**AJJ** $2.00

SEE PAGE 186C FOR CARBORUNDUM SCYTHE STONES.

OVB TOOL GRINDERS.

OVB GRINDERS.

Equipped with Genuine Carborundum Wheels.



No. 1.

No. 1 OVB—Best grade cast iron castings, malleable iron handle and clamp, **spiral cut gears,** enclosed casing, equipped with 4x1 in. Carborundum wheel of fine grit, fitted with adjustable tool-grinding guide, w't 5 lbs. .....each **B D J** $4.00

No. 2 OVB—Equipped with 5x1 in. Carborundum wheel of medium grit, w't 7 lbs., otherwise same as No. 1 OVB .....each **C C J** $6.00

No. 3 OVB—Equipped with 6x1 in. Carborundum wheel of medium grit, w't 10 lbs., otherwise same as No. 1 OVB .....each **D J J** $8.00



No. 4 OVB—Best grade cast iron castings, malleable iron handle and clamp, **spiral cut gears,** enclosed casing, equipped with 7½x1¼ in. Carborundum wheel of medium grit, fitted with adjustable tool-grinding guide, w't 26 lbs. .....each **J F J J** $10.00

ONE IN A BOX.

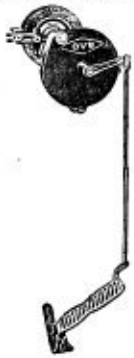
OVB TWIST DRILL ATTACHMENT.



No. 23 OVB—Attachment is built expressly for Nos. 3 and 4 OVB Grinders, enables a wide range of drills to be accurately pointed, w't 1½ lbs., each .....**A F J** $2.00

The attachment is mechanically simple and its cost is so low that every mechanic should have one.

GRINDER FOOT POWER ATTACHMENT.



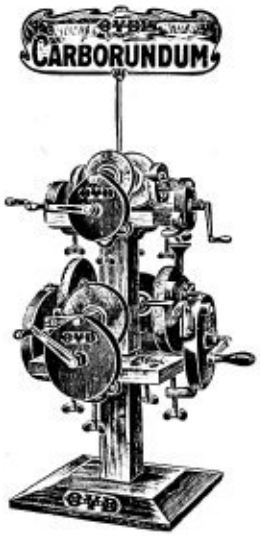
No. 21—Attachment to fit No. 4 OVB Grinders, made of malleable iron and is strong and durable, readily adjusted to several heights, w't 5 lbs., each .....**A C J** $1.50

Illustration shows attachment fitted to No. 4 OVB Grinder.

ONE IN A BOX.

No. 20—Attachment to fit No. 3 OVB Grinder, otherwise same as No. 21, each .....**A C J** $1.50

OVB GRINDER DISPLAY STANDS.



No. 31.

No. 31 OVB—Genuine oak, golden finish, height 45 in., 15 in. square at base, one center shelf 12 in. square, one shelf at top 10 in. square, w't knocked down 36 lbs., shipped free of charge with an order for three each Nos. 1 and 2, two each Nos. 3 and 4 Grinders or their equivalent, ten machines.

ONE IN A BOX.

No. 32 OVB—Height 32 in., 12 in. square at base, one shelf 12 in. square, w't knocked down 19 lbs., otherwise same as No. 31, shipped free of charge with an order for two each Nos. 1, 2 and 3 and one No. 4 Grinder or their equivalent, seven machines.

These stands are very attractive.

ONE IN A BOX.

The construction of the OVB Grinder is mechanically correct. It is a smooth-running, high-speeded, fast-cutting and durable grinder. Each part is made of the material best adapted for the use of that part. As each machine is equipped with a genuine Carborundum wheel, only a slight pressure is needed for grinding. Carborundum is fast and cool cutting and will not burn nor draw the temper from any tool.

The OVB Grinder has spiral gears cut from tough, solid blocks of steel, affording the most approved and mechanically correct construction for gearing. All bearings in this machine are made of steel on cast iron—the most lasting bearing known to mechanics. The gears are enclosed in a one-piece oil-tight and dust-proof case of gray iron.

Both ends of all bearings run in the same casting, making it impossible for any bearing to get out of alignment.

An additional feature is the malleable iron back plate, clamp and clamp support. The back plate reinforces the supports and distributes equally the pressure of the thumb screw. Each OVB Grinder is absolutely guaranteed.

REVONOC AND CRUSO TOOL GRINDERS.

REVONOC



No. 44. No. 45.

No. 44 REVONOC—High grade cast iron castings, malleable iron handle and clamp, spiral machine cut gears, enclosed casings dust proof and oil tight, fitted with 4x1 in. carborundum wheel, fine grit, equipped with tool rest and scissors guide, w't 7 lbs., each .....**BJJ** $3.50

A small, compact grinder, suitable for the home, office, or wherever a light, portable sharpening machine is wanted.

No. 45 REVONOC—Equipped with 5x1 in. carborundum wheel of medium grit, w't 8 lbs., otherwise same as No. 44 REVONOC .....each **BIJ** $5.00

This size grinder is particularly adapted for Mechanics' and Carpenters' Tool Chests.



No. 46 REVONOC—Machine cut gears, high grade cast iron castings, malleable iron handle and clamp, enclosed castings ,dust proof and oil tight, fitted with 6x1 in. medium grit, and equipped with adjustable tool rest and scissors guide, w't 11 lbs., each **DJJ** $7.00

The REVONOC grinder is a durable, quiet running and satisfactory grinder, combining many special features in high class construction. The most improved pinions of steel are machine cut. The spiral gears are cut from solid blocks of steel; this means more wearing surface to the gear teeth, and makes the REVONOC a long-lived, steady and quiet running grinder. The gears mesh four at a time, thereby receiving exactly the same amount of wear.

REVONOC



No. 47 REVONOC—One-piece bearings of steel on cast iron, oil-retaining surfaces, enclosed dust-proof gearing, overhanging machine-cut spur gears, "taper" fastening throughout, 7x1¼ in. Carborundum grinding wheel, equipped with adjustable tool rest and scissors guide, Combination Tool and Chisel guide and Patented Chisel and Plane Bit guide, w't 24 lbs., each .....**FJJ** $10.00

Can be fitted with a Twist Drill Sharpening Attachment for sharpening any twist drill ¼ in. or larger in size.

REVONOC HOUSEHOLD GRINDERS.



Fig. 1.



Fig. 2.

No. 34 REVONOC—Grinding wheel 4x1 in., fine grit of highest grade vitrified corundum, which is both cool and fast cutting, pinion of die cast of special alloy that will out-wear steel against cast iron, adjustable tool guide and gears, main frame black enameled, tool guide and large gear red, w't per doz. 40 lbs. ....per dozen **ADDJ** $24.00

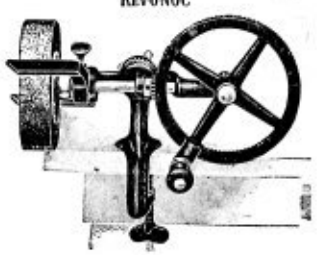
The steel shaft supporting the grinding wheel is seated on ball bearing and runs without friction.

The term "Die Cast" applies to metal parts made or formed in a steel die, or mold, with the aid of great pressure. The metal used for making parts by this process is always tough, but to get it hard as well as tough, requires a special mixture which is termed "special alloy."

ONE-HALF DOZEN IN A CASE.

The bearings in the REVONOC are made of steel on cast iron, they are very long with ample oil-retaining and wearing surfaces. A one-piece, dust proof case surrounds the gears and bearings, which keeps them securely in alignment. The grinder has a genuine carborundum wheel which will not burn or draw temper from any tool. All parts are of best quality and mechanics, especially, will find the REVONOC a most competent grinder, each grinder is finished in black enamel and packed one in a carton.

REVONOC



Note Wheels for REVONOC Grinders are of Vitrified Corundum.

No. 35 REVONOC—New smooth rubber black finish and nickel plate, frame malleable iron, adjustable body so that wheel can be run either in a vertical or horizontal position, steel shaft, seated on ball bearings, light running, every part adjustable, fine grit wheel 4x1 in., height of grinder over all 9 in., w't per doz. 36 lbs., per dozen .....**ADDJ** $18.00

The REVONOC meets the demand for a low priced grinder, and has locking device superior to that used on high priced grinders, by means of the circle of "V" shaped teeth the grinder is held in any position positive and rigid.

ONE IN A CARTON; ONE-HALF DOZEN IN A CASE, WITH FULL DIRECTIONS FOR USING.

CRUSO.



No. 14—Cruso, steel cut gearings, enclosed and dust-proof, long and durable bearings, equipped with 4x¾ in. medium grit Carborundum grinding wheel and tool rest, w't 6 lbs., each .....**AEJ** $2.50

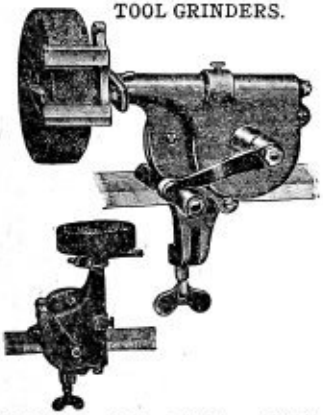
No. 15—Cruso, steel cut gearings, enclosed and dust-proof, long and durable bearings, equipped with 5x1 in. medium grit Carborundum grinding wheel and tool rest, w't 7 lbs., each .....**AIJ** $3.60

No. 16—Cruso, steel cut gearings, enclosed and dust-proof, long and durable bearings, equipped with 6x1 in. medium grit Carborundum grinding wheel and tool rest, w't 11 lbs., each .....**CJJ** $5.00

Nos. 14, 15 and 16 are good competitive grinders—good value for the money; they are durable and efficient for actual wear and reasonable use.

TOOL AND SICKLE GRINDERS.

TOOL GRINDERS.



No. 51—Best Maide, baked japan finish, adjustable body so that wheel can be run either in the vertical or horizontal position, entirely enclosed cut worm gears, ball bearings making it quiet and easy running, fitted with adjustable tool rest, scissor and chisel grinding guide, equipped with a 5x1½ in. Carborundum wheel of medium grit, faced with very fine grit so that grinding and finishing can be done with the same wheel, w't 11 lbs. .....each **CGJ** $6.20

This machine is built for hard service; every part of the wheel can be used in grinding. The worm gear is of iron and is cut from the solid blank on special designed machinery.

The swivelling device allows quick and accurate adjustment, horizontal or vertical, and holds the machine rigidly in any position.

All gears and shafts are of extra large diameter, with great wearing and oil-retaining surfaces. The entire mechanism is inclosed in a dust-proof casing, strictly oil tight, and ball bearings take up all end thrust.

BULL DOG AUTOMATIC DISC GRINDER.



No. 18—Enclosed dust-proof gearing, will grind any size disc or coulter wheel from 12 to 24 in., adjustable steel roller holds disc to grinding wheel, w't 17 lbs. ....each **CFJ** $9.00

Extra, 3x1¼ in. power pulley, to fit on handle shaft for power, each .....**EJ** $0.80

This is an easy working, quick grinding and perfect disc grinder. It will do the work in one-half the time and with one-half the labor of any other hand grinder. It can be attached to any table, bench or disc harrow wheel.

ONE IN A CARTON.

SICKLE AND TOOL GRINDERS.



No. 255-C—Best Maide, steel worm shaft, cut steel gear, large wearing surfaces, enclosed and dust-proof parts, universal swivelling and sickle holding devices, double-faced medium and fine tool sharpening wheel, 5x1½ in., also a beveled sickle sharpening wheel, shipping w't 22 lbs. ..each **DHJ** $8.00

The tool wheel is ideal for sharpening clipper blades. The sickle holder device is partly automatic, but the grinding of the sickle is at all times under full control of the operator.



No. 264-C—Best Maide, steel worm shaft, cut steel gear, large wearing surfaces, enclosed and dust-proof parts, grinding wheel all one grit, single grit sharpening wheel 4½x1¼ in., also a beveled sickle sharpening wheel built on same plan as No. 255C but does not swivel, shipping w't 22 lbs., each .....**CFJ** $6.00

SICKLE GRINDER.



No. 8 REVO-NOC—Extra Heavy cast frame, height 10 in., length 15 in., width 10 in., oscillating or stationary grinder, adjustable knife holder, 2 emery wheels, 3½x3 in. beveled face for mower knives, and 4x2 in. for tools, w't 19 lbs. .....each **CCJ** $5.40

Extra tool and barrel-shaped wheels, each .....**JEE** $1.00

Can be shifted from the oscillating movement to the stationary, or vice versa, instantly, by merely lowering or raising a lever; geared so that one revolution of the hand wheel gives twenty-two revolutions of the emery wheel; preserves original bevel of mower knives, giving a sharp, perfectly true edge from heel to toe.

POWER BENCH GRINDER.



No. 309C—Heavy, broad and rigid base eliminates vibration, long bearings are fully protected from dust and grit, 2 special closing oil cups, universal adjustable tool rests afford the exact proper bevel for any tool, medium and coarse sharpening wheels, size 7x1¼ in., shipping w't 34 lbs., each .....**JFFJ** $10.50

DISC SHARPENING ATTACHMENT.



For Use With Grinder No. 309C.

No. 925A—By means of this special attachment any disc up to 28 in. in diam. may be ground easily and given just exactly the right bevel, 2 hand levers regulate the pressure and rotate the disc, if desired the disc will rotate automatically, each **JHE** $1.40

SICKLE SHARPENING ATTACHMENT.



For Use With Grinder No. 309C.

No. 945A—With this attachment any mower sickle can be sharpened easily and quickly and given any bevel desired, the sharpening is done on the side face of the wheel, which not only does the work very quickly, but leaves a smooth, keen cutting edge, this attachment can be instantly adjusted to sharpen every section clear down to the bar.....each **DJ** $0.70

TOOL, SICKLE AND FARM GRINDERS.

SPARTAN HAND TOOL AND SICKLE GRINDER.



Can Also Be Used as a Very Efficient Tool Grinder.

Spartan, cog gear, 4¼x1¾ in. Carborundum tool grinding wheel, and barrel shaped wheel for sickles, wide bearings, high speed, w't 17 lbs., each .....**BIE** $4.90

A simple, very compact and serviceable hand-power tool and sickle grinder. No oscillating parts or difficult adjustment. Grinding in full control of the operator, easy to sharpen very section, clamps to mower wheel or bench. Wheels are of carborundum, which cuts very fast without drawing temper.

ONE IN A FIBRE BOX.

SICKLE GRINDER.



No Tool Sharpening Wheel. Sickle Wheel Only.

No. 182-C—Equipped with one barrel-shaped carborundum wheel, compact, efficient, clamps anywhere, shipping w't 16 lbs. .....each **BAJ** $3.50
Very similar to the Spartan grinder.

ONE IN A FIBRE BOX.

EXTRA WHEELS.

No. 1—Carborundum, barrel shape, for Spartan sickle and No. 182-C Grinders, w't 2 lbs. .....each **AEJ** $2.60

FOOT POWER TOOL GRINDER.



Hummer.

No. 271-C—Metal frame, furnished in red and black baked enamel, height over all 42 in., shaft drive, gravity lubrication, grinding head capable of being swiveled to any angle, equipped with two Carborundum wheels, 6x1½ in., one medium and one coarse, beveled gears, strongly braced, bicycle tread, one universal tool rest and one chisel and plane bit guide, w't boxed 65 lbs. .....each **JICJ** $15.00

This is by all means one of the very best foot-power grinders imaginable. It operates as easy as a bicycle and cuts many times faster than emery without drawing temper.

Sickle Sharpening Attachment.

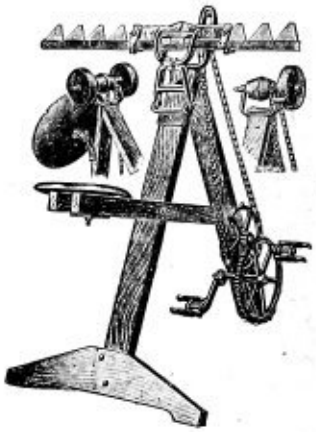
No. 130—Grinding is done on the side face of either of the wheels, rest is adjustable to any angle and can be used on either side, w't boxed 3½ lbs., each .....**DB** $0.70

A convenient rest on which to hold any sickle while grinding.

No. 14-A—Disc, will hold any disc from 14 to 28 in. in diam., any bevel can be given to the disc and the work can be done automatically, w't boxed 6 lbs., each .....**JHE** $1.40

No. 15-A—Combination of Nos. 13-A and 14-A, w't boxed 6 lbs., each .....**AJJ** $1.70

FARM SPECIAL GRINDERS.



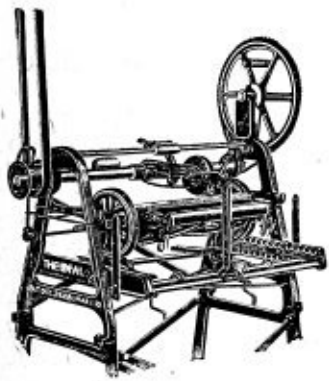
No. 26—Farm Special, frame of selected maple wood, three Carborundum wheels, one barrel shaped wheel for sickles, one medium grit tool grinding wheel, one extra rapid cutting wheel for sharpening discs and plow shares, one felt polishing wheel and disc holder, w't 70 lbs., each **JFJJ** $10.00

Sickle attachment will handle any sickle. Disc attachment will handle any disc or wheel plow coulter and sharpen it at any level. Strongest feature of the grinder is the fact that all kinds of tools can be sharpened on it with ease and rapidity.

KNOCKED DOWN; ONE IN A CASE.

GRINDERS AND GRINDSTONES.

THE "IDEAL" LAWN MOWER GRINDERS.



"Ideal Lawn Mower Grinders with Skate Grinding Attachment—Made in two styles, hand and power—the power grinders can be operated either by power or by hand, furnished with sub-base, unless otherwise ordered, raising the grinder 18 inches above the floor, the hand grinder is equipped with a special balance wheel on the main shaft, making it run steadier and easier, will take any lawn mower blades up to 24 in., the grinding wheel having a travel of 24 in., w't with sub-base 200 lbs., w't of sub-base alone 40 lbs.

No. 27—For power, with sub-base, each ..... DBJJ $70.00
No. 28—For hand, with sub-base, ball bearing ..... each DBJJ $70.00

The "Ideal" Lawn Mower Grinders are fast replacing the old unsatisfactory method of sharpening lawn mowers by means of files and emery dust. It is a well-known fact that it is next to impossible to sharpen a lawn mower successfully with a file, especially as a great many mowers made at the present time have hardened blades. If a file can be used, it is a slow and tedious job at best. By means of the "Ideal" Lawn Mower Grinder, any intelligent person can sharpen a lawnmower with accuracy in one-half the time required by the old method. One of the most important features in lawn mower grinding is to make the reel knives of a lawn mower fit the straight blade, in case the latter should become sprung or bent. The "Ideal" Lawn Mower Grinder is positively the only machine that will do this work properly.

The hand grinder is now equipped with a special balance wheel on the main shaft. On the power grinder no balance wheel is necessary, the tight and loose pulleys taking its place. In case you have no power, we recommend your ordering the hand grinder as the power attachment can be added at any future time. The "Ideal" is extensively advertised and thousands are in use giving perfect satisfaction.

F. O. B. Chicago or Plymouth, Ohio.

MOUNTED GRINDSTONES.



REV-O-NOC—Tubular steel frame, with seat, painted red, water guard, drip cup, ball-bearing, high grade Huron stone, stone 19 to 22 in. in diam. and 1¾ to 2¼ in. thick, w't complete 90 lbs., each ..... DBE $7.40

The frame being made of heavy steel tubing, it is the most rigid stone on the market. Can be set up in less time and with less labor than any other grindstone ever made merely by manipulating one bolt.



AUTO, Bolted Hardwood Frame, Malleable Iron Fixtures, Ball Bearings, Painted, Length 44 Inches.

No.	12
Diam., in.	22 to 24
Thickness, in.	2 to 2½
W't stone, lbs.	70 to 80
W't complete, lbs.	114 to 124
Each	$5.50
	CIE

SHIPPED KNOCKED DOWN.

MOUNTED GRINDSTONES.



OHIO, Bolted Hardwood Frame, Malleable Iron Fixtures, Painted, Length 42 Inches.

Nos.	3	2
Diam., in.	18 to 20	22 to 24
Thickness, in.	1¼ to 2½	2 to 2½
W't stone, lbs.	40 to 50	70 to 80
W't complete, lbs.	66 to 76	98 to 108
Each	$4.70	4.90
	BHJ	CAJ

SHIPPED KNOCKED DOWN.

HERCULES.



Nos.	Size of Stone, in.	W't complete, Packed, lbs.	Complete, Each.
H.201	24x2	140	GBJ $8.00
H.202	24x3	180	HAJ 9.00
H.203	26x2½	175	HEE 9.50
H.204	26x3	200	JIJJ 10.00
H.205	28x3	225	AJCE 11.50
H.206	30x2	200	JIIJ 11.00
H.207	30x3	265	AJHJ 12.00
H.208	32x2½	275	AJHJ 12.00
H.209	34x2	250	AJHJ 12.00
H.210	34x3	325	ABFJ 14.00

Hercules is designed with special reference to the railroad and New England trade, where a strong heavy article is required.

Frame is made of seasoned hardwood, with oil and varnish finish, strongly braced in all directions. Heavy bolts and washers. Furnished with crank, treadle, water trough and clothes protector. An extra heavy patent shaft and turn rollers furnished with all sizes of "Hercules."

Shipped knocked down unless otherwise ordered.

Where stones of larger dimensions than are regularly furnished with the different numbers of Grindstones are ordered, an extra charge will be made.

GRINDSTONES AND GRINDSTONE FIXTURES.

MOUNTED GRINDSTONES.



Malleable Iron Fixtures.

No. 5—Schofield's, wrought steel frame and seat, double treadle, front shield, length 30 in., 19 in. to 22 in. diam., 1¾ to 2½ in. thick, w't of stone 50 to 60 lbs., w't complete 77 to 87 lbs., each ..... **CGJ** $5.00

No. 05—Schofield's, steel frame, ball bearing, double treadle, front shield, length 30 in., 19 to 22 in. diam., 1¾ to 2½ in. thick, w't of stone 50 to 60 lbs., w't complete 75 to 85 lbs., each ..... **CIE** $5.50

SHIPPED KNOCKED DOWN.

EXTRA PARTS FOR MOUNTED GRINDSTONES.

No. 30—Shafts and nuts for Nos. 11, 12 and 13 Auto, 05 Schofield and REVONOC, each ..... **CE** $0.60

No. 54—Cranks for Nos. 11, 12 and 13 Auto and REVONOC ..... each **AB** $0.20

No. 55—Pitman bearings for Nos. 11, 12 and 13 Auto and REVONOC, each ..... **AB** $0.20

No. 11—Shafts and nuts for No. 5 Schofield ..... each **CJ** $0.50

No. 12—Cranks for Nos. 5 and 05 Schofield ..... each **AB** $0.20

No. 7—Shafts and nuts for Nos. 1, 2 and 3 Ohio ..... each **CJ** $0.50

No. 1—Hand cranks for Nos. 1, 2 and 3 Ohio ..... each **AB** $0.20

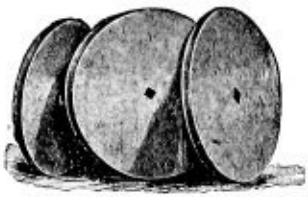
No. 56—Shaft bearings for No. 05 Schofield and REVONOC ..... per set **AF** $0.60

No. 57-A—Shaft bearings for Nos. 11, 12 and 13 Auto ..... per set **AG** $0.60

Cruso—Angle iron frame, ball bearing, painted black, w't of stone about 50 lbs., w't complete about 85 lbs., each ..... **BGJ** $4.00

CRATED STONE AND FRAME IN ONE CRATE.

LOOSE GRINDSTONES.



40 to 200 lbs., selected stones, per ton ..... **BEBJ** $25.00
20 to 39 lbs., selected stones, per ton ..... **BFDJ** 26.00
Over 200 lbs., selected stones, per ton ..... **CJJJ** 40.00

GRINDSTONE FIXTURES.

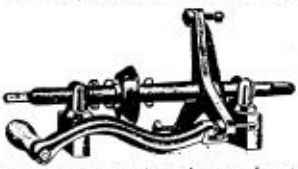


Cast Iron, Japanned, Double Wheel Anti-Friction Covered Bearings, Two Iron Washers and Adjustable Nut.

Axle, in.	15	17	19	21
W't, doz., lbs.	73	78	88	110
Per dozen	$5.50	6.00	6.75	7.50
	CHJ	**CIE**	**DEJ**	**ECJ**

Extra Cranks ....per dozen **JHE** $1.75
Extra Shafts with Nuts, 17 in., per dozen ..... **AHJ** $2.50
Extra Nuts for Common Grinstone Shafts .....per dozen **JDJ** $1.00
Extra Flanges or Washers, per dozen ..... **JFJ** 1.00

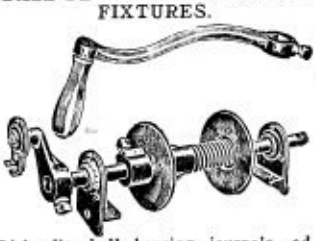
FIXTURES, ONE-HALF DOZEN IN A CASE.



No. 2—Giant, cast iron, japanned, extra heavy, 17 in. axle, w't per doz. 102 lbs., per dozen ..... **JFIJ** $15.00
Will hang a stone true and fast to its shaft by means of set screws. No blocking, wedging or cementing is necessary.

ONE-HALF DOZEN IN A CASE.

BALL BEARING GRINDSTONE FIXTURES.



Richard's, ball bearing journals, adjustable on shafts, suitable for stones 2 to 3 in. thick, weighing from 50 to 100 lbs., fitted with ball bearing treadle arm for foot power and hand crank, w't per doz. sets 85 lbs., per dozen sets ..... **AJBJ** $12.00

FAMILY GRINDSTONES.



REVONOC

Improved Ball Bearing, Fine, Especially Selected Berea Grindstone, Turned and Rubbed Smooth, Mounted in Extra Heavy Malleable Iron Trough on Pressed Steel Base, Enameled Blue, Fitted with Patent Hub, Steel Shaft and Steel Ball Bearings.

Nos.	27	28	29
Diam. stone, in.	7	8	9
W't, doz., lbs..	102	120	156
Per dozen	$14.00	16.00	18.00
	AADJ	**ABIJ**	**ADGJ**

Can be shipped knocked down, can be set up or a new stone applied in a few minutes by any one, no cement necessary.

ONE-QUARTER DOZEN IN A CASE.

SMALL GRINDSTONES OR LATHE STONES.

Stones 12 in. and under to take the following lists and discount—

6 in.	per dozen	$6.00
7 in.	per dozen	6.25
8 in.	per dozen	6.50
9 in.	per dozen	7.00
10 in.	per dozen	7.50
11 in.	per dozen	8.00
12 in.	per dozen	9.00

Thickness 1 in. to 1½ in.

Discount **JF%.**

Quarries—Berea, Ohio, and Grindstone City, Mich.

POWER GRINDSTONES.

WOOD FRAME.



Wood Frame.

No. P220—24x3 in., approximate shipping w't mounted 230 lbs., each .....**BBAJ** $23.00

No. P225—30x4 in., approximate shipping w't mounted 360 lbs., each .....**BFIJ** $28.00

No. P230—36x4½ in., approximate shipping w't mounted 525 lbs., each .....**CAGJ** $33.00

Frames are strongly made of seasoned hardwood, braced securely in every direction, and firmly bolted together. 12-inch pulley furnished with all sizes of wood power frames; will substitute any required size charging only actual difference in price.

FARMERS SPECIAL.



No. 600—Farmer's Special, hardwood frame, steel shaft, 6 in. pulley, hardened steel annular ball bearings, foot treadle with ball bearings on crank, stone 24 to 26 in. diameter, 2 to 3 in. thick, w't each 175 lbs., each .....**JIJJ** $15.00

The frame is oiled and varnished to prevent decay; has hand crank so that either may be used in case of emergency.

Frame shipped knocked down, stone crated.

"LITTLE" GIANT.



"Little" Giant.

No. 400G—Diam. of stone 24 in., thickness 3½ to 4 in., shipping w't mounted 225 lbs. .....each **ACEJ** $15.00

Treadle, crank and pulley, extra .....**ACE** $1.50

An iron frame power grindstone designed to satisfy a demand for a light power or hand grindstone.

Frame is cast iron, the trough being cast in one piece, legs securely bolted to frame. An adjustable tool rest with drip pan is furnished with each machine.

Three-quarter inch diameter steel shaft, ball bearing, and a 6 inch pulley are supplied for power use, or we furnish for hand use a heavy steel treadle and crank.

Shipped knocked down, unless otherwise ordered.

EMPIRE.



"Empire."

Empire—Stone 24 in. in diam., and 2 to 3½ in. thick, shipping w't mounted 225 lbs. .....each **ABCJ** $13.00

Frame and trough are cast-iron, fixture is the regular pattern of Little Giant, steel shaft and ball bearing. Designed to meet the needs of the farmer who desires a light weight handy article.

May be operated by a gasoline engine or by hand.

KEYSTONE.



Keystone Iron Frame.

Nos.	Size of Stone, in.	W't complete, Packed, lbs.	Complete, Each.
508K	50x7½to8	1975	**GBJJ** $80.00
506K	50x5½to6	1650	**FCJJ** 70.00
488K	48x7½to8	1850	**FGEJ** 75.00
486K	48x5½to6	1600	**FABJ** 68.00
485K	48x4½to5	1450	**EIDJ** 66.00
406K	40x5½to6	1050	**DEIJ** 51.00
405K	40x4½to5	950	**DDAJ** 49.00
366K	36x5½to6	950	**DDAJ** 49.00
365K	36x4½to5	875	**DBCJ** 47.00
364K	36x4to4½	825	**DADJ** 46.00
305K	30x4½	500	**CEAJ** 39.00
304K	30x4	480	**CDBJ** 38.00
303K	30x3½	450	**CCCJ** 37.00
302K	30x3	425	**CBHE** 36.50

Size of Shaft at Bearings.

Nos. 508K, 506K and 488K, 1¾ in.
Nos. 486K, 485K and 406K, 1½ in.
Nos. 405K, 366K, 365K and 364K, 1¼ in.
Nos. 305K, 304K, 303K and 302K, 1 in.

Trough is a thick and heavy casting and will last indefinitely. It is cast in one piece, making it watertight, avoiding all joints, which invariably work loose and leak. The legs are cast separate and are securely fastened in place with two wrought iron bolts. An adjustable tool rest, with drip pan, is furnished with each frame.

Also furnish a 12 inch diameter, 4 inch face pulley with all sizes of Keystone Frames, will substitute any required size charging only actual difference in price.

Keystone shipped mounted, ready for use unless otherwise ordered.

All stones on this page are fitted with the patent detachable fixture which enables the stone and frame to be shipped separate, and have the stone rim true when either stone or shaft are replaced without any redressing of the stone. Extra stones or frames can be furnished.

FLINT AND EMERY PAPER AND CLOTH.

REVONOC FLINT PAPER.



Nos.	00	0	½	1
W't, ream, lbs.	19	22	23	32
Per ream	$6.25 CCE	6.25 CCE	6.25 CCE	6.75 CFE
Nos.	**1½**	**2**	**2½**	**3**
W't, ream, lbs.	35	41	47	53
Per ream	$7.25 CIJ	7.75 DBJ	8.25 DDE	9.50 EAE

Assorted, w't per ream 33 lbs., per ream ..... CIJ $7.25

REVONOC GARNET CABINET PAPER.

Commonly known as "Regular Garnet Paper."

Nos.	00	0	½
W't, ream, lbs.	30	34	39
Per ream	$6.50 EHE	6.50 EHE	6.50 EHE
Nos.	**1**	**1½**	**2**
W't, ream, lbs.	50	60	88
Per ream	$7.00 FCJ	7.50 FGE	8.00 GBJ

ONE-HALF REAM IN A PACKAGE.

REVONOC GARNET FINISHING PAPER.

Nos.	F6-0	F5-0	F4-0	F3-0
W't ream, lbs.	12	14	16	18
Per ream	$5.10 DHJ	5.10 DHJ	5.10 DHJ	5.10 DHJ
Nos.	**F2-0**	**F0**	**F½**	**F1**
W't ream, lbs.	20	22	24	26
Per ream	$5.10 DHJ	5.10 DHJ	5.10 DHJ	5.10 DHJ

Finishing paper has very fine grit, mounted on light paper backing and is used for finishing auto bodies, carriages and fine cabinet work.

ONE-HALF REAM IN A PACKAGE.

REVONOC EMERY CLOTH.

Nos.	00	0	½
Grade emery	150	120	90
W't, ream, lbs.	31	34	41
Per ream	$26.50 ABCE	26.50 ABCE	26.50 ABCE
Nos.	**1**	**1½**	**2**
Grade emery	80	70	60
W't, ream, lbs.	45	49	53
Per ream	$28.50 AEDJ	29.75 AFAJ	30.75 AFFJ

REVONOC CROCUS CLOTH.

Crocus, w't per ream 24 lbs., per ream ..... ADCJ $26.50

ONE-QUARTER REAM IN A PACKAGE.
ONE-HALF REAM IN A PACKAGE.

REVONOC PAPER.

Finest Pure Rope Manila Paper Backing, Extra Tough and Flexible Glue, Carefully Graded Abrasive Coating, Thoroughly Seasoned, In Sheets 9x11 Inches.

REVONOC CLOTH.

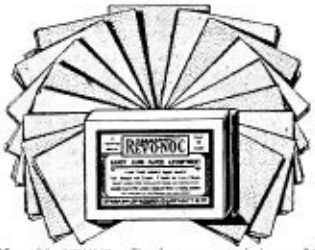
Finest Heavy Woven Twill Cloth Backing, Extra Tough and Flexible Glue, Carefully Graded Pure Turkish Emery Abrasive Coating, Thoroughly Seasoned, In Sheets 9x11 Inches.

REVONOC EMERY PAPER.

Nos.	00	0	½
Grade emery	150	120	90
W't, ream, lbs.	19	24	34
Per ream	$10.25 JEEJ	10.25 JEEJ	10.25 JEEJ
Nos.	**1**	**1½**	**2**
Grade emery	80	70	60
W't, ream, lbs.	40	44	46
Per ream	$12.00 JFEE	12.75 JFHE	13.50 JGBE

ONE-HALF REAM IN A PACKAGE.

HANDY FLINT PAPER ASSORTMENTS.



No. 24 REVONOC—Packet containing 24 assorted sheets 08 Regular First Quality REVONOC Flint Paper, 4½x5½ in. as follows—3 sheets each Nos. 3-0, 2-0, 0, ½, 1, 1½, 2 and 2½, a grade for every purpose, especially handy for household or office use, and for small odd jobs, priced to retail at ten cents per packet, w't per doz. packets 4½ lbs., per dozen packets..... JIE $1.20

No. 12 REVONOC—Packet containing 12 assorted sheets 08 Regular First Quality REVONOC Flint Paper, 4½x5½ in. as follows—2 sheets each Nos. 2-0, 0, ½, 1, 1½ and 2, otherwise same as No. 24 REVONOC Asst., w't per doz. packets, 2½ lbs., per dozen packets ..... JDH $0.60

ONE DOZEN PACKETS IN A BOX; TWELVE DOZEN PACKETS IN A CASE. WE DO NOT BREAK BOXES OF ONE DOZEN.



ALOXITE CLOTH.



In Sheets 9x11 Inches, in Reams.

Nos.	FF	F	3/0
W't, ream, lbs.	23	28	30
Per ream	$26.50 ADCJ	26.50 ADCJ	26.50 ADCJ
Nos.	**2/0**	**0**	**½**
W't, ream, lbs.	32	35	42
Per ream	$26.50 ADCJ	26.50 ADCJ	26.50 ADCJ
Nos.	**1**	**1½**	**2**
W't, ream, lbs.	44	54	58
Per ream	$28.50 AEDJ	29.75 AFJE	30.75 AFFJ
Nos.	**2½**	**3**	**3½**
W't, ream, lbs.	74	85	103
Per ream	$33.00 AGHJ	35.25 AIJE	37.50 BJBE

Aloxite is a new abrasive, the product of the electric furnace. It is hard, sharp and tough, especially adapted to steel cutting, and is coated on cloth, for general machine shop use.

Aloxite cloth is superior to emery cloth; the Aloxite grains being so much harder and tougher than emery, cut the metal quickly and easily, leaving a superior finish.

Aloxite cloth is made with the greatest care, the grains being thoroughly cleaned, graded and coated on the best quality of brown drill by improved process. The glues used are the purest and best quality obtainable, and as a result Aloxite cloth is uniformly coated, durable and flexible.

Aloxite cloth can be used on all work where emery cloth is used, saving time, insuring a better finish and lasting longer.

ONE-HALF REAM IN A BUNDLE.

MARICOPA FLINT PAPER.

Good Fibre Paper, Selected Glue, and Carefully Graded Quartz Coating, Sheets 8¾x10½ Inches.

Nos.	00	0	½	1
W't, ream, lbs.	16	17	19	21
Per ream	$4.25 BAE	4.25 BAE	4.25 BAE	4.75 BDJ
Nos.	**1½**	**2**	**2½**	**3**
W't, ream, lbs.	27	31	40	44
Per ream	$4.75 BDJ	4.75 BDJ	5.25 BGJ	5.25 BGJ

Assorted, w't per ream 27 lbs., per ream ..... BDJ $4.75

FLINT AND EMERY PAPER AND CLOTH.

REVONOC FLINT PAPER.



DF%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$1.10	$1.15	$1.20	$1.25	$1.30	$1.45
3⅜ in., per roll	1.30	1.40	1.45	1.50	1.60	1.75
4 in., per roll	1.45	1.55	1.60	1.70	1.80	2.00
6 in., per roll	2.05	2.15	2.30	2.50	2.65	2.90
8 in., per roll	2.60	2.75	3.00	3.15	3.30	3.70
9 in., per roll	3.15	3.25	3.40	3.50	3.65	4.00
10 in., per roll	3.30	3.50	3.65	3.80	4.10	4.40
12 in., per roll	3.75	4.05	4.30	4.55	4.85	5.40
15 in., per roll	4.85	5.10	5.40	5.65	5.95	6.50
18 in., per roll	5.95	6.20	6.50	6.80	7.05	7.60
20 in., per roll	6.35	6.75	7.15	7.65	8.15	8.95
24 in., per roll	6.75	7.25	7.75	8.50	9.25	10.25
30 in., per roll	9.00	9.50	10.00	10.50	11.00	12.00
36 in., per roll	11.00	11.50	12.00	12.50	13.25	14.25
40 in., per roll	13.25	13.75	14.25	14.75	15.50	16.75
42 in., per roll	14.25	14.75	15.25	15.75	16.50	18.00
48 in., per roll	16.50	18.00	18.50	19.25	20.00	22.00

REVONOC FLINT CLOTH.

DF%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$2.55	$2.75	$2.85	$2.95	$3.15	$3.35
3⅜ in., per roll	3.35	3.65	3.80	3.90	4.20	4.45
4 in., per roll	3.85	4.20	4.35	4.50	4.85	5.20
5 in., per roll	5.20	5.60	5.80	6.05	6.50	6.90
6 in., per roll	5.60	6.10	6.35	6.60	7.10	7.55
7 in., per roll	6.60	7.20	7.50	7.80	8.35	8.90
8 in., per roll	7.40	8.00	8.35	8.70	9.30	9.95
9 in., per roll	8.40	9.10	9.50	9.90	10.60	11.35
10 in., per roll	9.35	10.10	10.50	10.90	11.70	12.35
12 in., per roll	11.20	12.20	12.70	13.20	14.20	15.10
14 in., per roll	12.00	13.00	13.75	14.50	15.50	16.50
16 in., per roll	14.80	16.00	16.70	17.40	18.60	19.90
18 in., per roll	16.80	18.20	19.00	19.80	21.20	22.70
20 in., per roll	18.70	20.20	21.00	21.80	23.40	24.70
24 in., per roll	21.85	23.65	24.80	26.00	27.85	29.60
28 in., per roll	24.00	26.00	27.50	29.00	31.00	33.00

REVONOC EMERY PAPER.

DF%

In rolls, 24 in. wide, 50 yards long.

Nos.	000	00	0	½	1
Grade emery	180	150	120	90	80
Per roll	$11.00	11.00	11.00	11.00	12.75
Nos.	1½	2	2½	3	3½
Grade emery	70	60	54	46	36
Per roll	$13.25	13.75	15.75	19.25	22.00

REVONOC GARNET PAPER.

AJ%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$1.15	$1.20	$1.25	$1.30	$1.35	$1.40
3⅜ in., per roll	1.30	1.35	1.40	1.45	1.50	1.70
4 in., per roll	1.50	1.55	1.60	1.70	1.80	1.95
6 in., per roll	2.10	2.15	2.25	2.35	2.50	2.80
8 in., per roll	2.75	2.85	2.95	3.15	3.30	3.70
9 in., per roll	3.20	3.35	3.45	3.60	3.75	4.00
10 in., per roll	3.50	3.65	3.80	4.00	4.20	4.55
12 in., per roll	4.05	4.20	4.30	4.60	4.90	5.40
15 in., per roll	5.20	5.45	5.75	6.05	6.25	6.80
18 in., per roll	6.20	6.50	6.75	7.00	7.30	7.80
20 in., per roll	7.30	7.60	7.90	8.10	8.40	8.90
24 in., per roll	7.50	7.75	8.00	8.50	9.25	10.25
30 in., per roll	9.75	10.25	10.75	11.25	12.00	13.00
36 in., per roll	12.00	12.50	13.00	13.50	14.00	15.25
40 in., per roll	14.00	14.50	15.25	15.75	16.25	17.25
42 in., per roll	16.25	16.75	17.25	17.75	18.25	20.00
48 in., per roll	20.00	21.00	21.50	22.00	23.75	27.00

REVONOC GARNET CLOTH.

AJ%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$2.90	$3.10	$3.20	$3.25	$3.35	$3.45
3⅜ in., per roll	3.80	4.00	4.10	4.25	4.40	4.55
4 in., per roll	4.20	4.55	4.70	4.90	5.00	5.15
5 in., per roll	5.80	6.25	6.50	6.70	6.90	7.15
6 in., per roll	6.45	7.25	7.70	7.95	8.30	8.55
7 in., per roll	7.25	7.80	8.05	8.30	8.60	8.85
8 in., per roll	8.40	9.00	9.35	9.60	9.95	10.25
9 in., per roll	9.35	10.00	10.35	10.75	11.00	11.50
10 in., per roll	11.60	12.50	13.00	13.40	13.80	14.30
12 in., per roll	12.75	13.65	14.20	14.55	15.10	15.50
14 in., per roll	14.00	15.00	15.50	16.00	16.50	17.00
16 in., per roll	16.80	18.00	18.70	19.20	19.90	20.50
18 in., per roll	18.20	19.55	20.20	20.90	21.50	22.15
20 in., per roll	20.00	21.00	21.50	22.00	22.50	23.00
24 in., per roll	25.20	27.00	28.05	28.80	29.85	30.75
28 in., per roll	28.00	30.00	31.00	32.00	33.00	34.00

REVONOC EMERY CLOTH.

DF%

In rolls, 50 yards long.

Inches	9	18	27
Crocus	$9.25	18.50	27.75
No. FF	9.25	18.50	27.75
No. F	9.25	18.50	27.75
No. 00	9.25	18.50	27.75
No. 0	9.25	18.50	27.75
No. 100	9.25	18.50	27.75
No. ½	9.25	18.50	27.75
No. 1	10.50	21.00	31.50
No. 1½	11.00	22.00	33.00
No. 2	11.50	23.00	34.50
No. 2½	12.00	24.00	36.00
No. 3	13.25	26.50	39.75
No. 3½	14.25	28.50	42.75

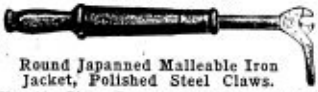
TABLE OF WEIGHTS OF FLINT PAPER IN ROLLS.

Width, in.	2⅜	3⅜	4	6	8	9	10	12	15	18	20	24	30	36	40	42	48
No. 000, w't per roll, lbs.	2	3	3	5	7	8	9	11	13	17	18	21	26	33	36	38	..
No. 00, wt per roll, lbs.	2	3	4	6	8	9	10	12	15	18	20	24	30	36	40	42	48
No. 0, w't per roll, lbs.	2	3	5	7	10	10	12	14	17	20	23	28	34	40	45	48	56
No. ½, w't per roll, lbs.	3	4	5	8	10	11	13	16	19	22	26	31	38	45	52	55	62
No. 1, w't per roll, lbs.	3	5	6	9	12	13	15	18	23	27	30	36	45	54	60	63	72
No. 1½, w't per roll, lbs.	4	6	7	11	14	16	19	21	29	33	38	43	58	65	75	77	86
No. 2, w't per roll, lbs.	5	7	8	12	17	18	21	25	31	37	42	50	62	74	84	88	96
No. 2½, w't per roll, lbs.	6	9	10	15	20	23	25	30	37	45	52	60	75	90	103	112	120
No. 3, w't per roll, lbs.	7	11	12	18	24	27	30	36	45	54	60	72	90	108	120	130	144

Garnet paper weighs considerably more than flint, running from 26 to 120 lbs. on 24 in., as compared with 23 to 78 lbs. on the same 500 to 3. Garnet and flint cloth weigh approximately the same as paper. Emery paper and cloth weigh about the same as flint paper and cloth.

NAIL PULLERS, BOX SCRAPERS, BUNG BORERS, ETC.

NAIL PULLERS.



Round Japanned Malleable Iron Jacket, Polished Steel Claws.

No. 91—Giant Pattern, 19½ in., w't per doz. 60 lbs. ...per dozen **JGBJ** $12.00
The size given is the length closed.



Octagon Japanned Malleable Iron Jacket, White Enamel Handle, Polished Steel Claws.

No. 2—15 in., w't per doz. 36 lbs., per dozen .....**AJBJ** $17.00
No. 1½—17 in., w't per doz. 42 lbs., per dozen .....**AACJ** $18.80
No. 1—18 in., w't per doz. 60 lbs., per dozen .....**ABJJ** $20.00
The size given is the length closed.

THREE DOZEN IN A BOX.

BOX CHISELS.



Flat, Solid Cast Steel, Polished, Flat Head.

No. 2 RIVARC—In....	10	12	14
W't per doz., lbs. ..	7	11¼	17
Per dozen	$5.00	6.20	7.40
	CJJ	**CGJ**	**DDE**

ONE-HALF DOZEN IN A PACKAGE.

CRATE OPENERS.



RIVARC—9 in., nickel plated, drop forged tool steel handle, w't per doz. 10½ lbs. .....per dozen **JDEJ** $12.00

ONE-HALF DOZEN IN A BOX.



No. 328 RIVARC—8½ in., drop forged steel square head, nickel plated, w't per doz. 11 lbs. .....per dozen **JFJJ** $10.00

ONE DOZEN IN A BOX.

BARREL HEADERS.



No. 10—1 in. iron screw, with attached swivel follower, steel side clamps, double thread, w't per doz. 172 lbs., per dozen .....**ADDJ** $24.00

The screw press has the follower attached to the screw and is taken up with the screw after the barrel is headed.

THREE IN A BUNDLE.

BOX SCRAPERS.



No. 60—Triangular, solid steel, wood handle, 2½ in. cutter, length 11 in., w't per doz. 7½ lbs., per dozen .....**CJJ** $5.00

ONE-HALF DOZEN IN A BOX.



No. 16 RIVARC—Solid steel, wood handle, 2½ in. cutter, length 11½ in., w't per doz. 8 lbs. .....per dozen **EAJ** $8.50

ONE-HALF DOZEN IN A BOX.



No. 70—Malleable iron, adjustable steel blade, 2 in. cutter, wood handle, length 12 in., w't per doz. 12 lbs., per dozen .....**DCJ** $7.20

Extra blades, for No. 70, per dozen .....**ABJ** 2.00

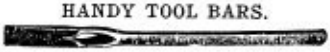
ONE-HALF DOZEN IN A BOX.



No. 280—Double handle, solid steel blade, 4½ in. cutter, w't per doz. 9 lbs. .....per dozen **DEJ** $7.50

ONE-HALF DOZEN IN A BOX.

HANDY TOOL BARS.



No. 23—Victor, forged steel, length 23 in., with finished point and a patent slot for pulling nails, w't per doz. 45 lbs. ...per dozen **JGBJ** $12.00

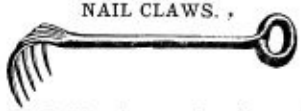
LOOSE.



No. 25—Octagon steel, tempered claw, length 11 in., diam. ½ in., w't per doz. 9 lbs. .....per dozen **AHJ** $3.00

ONE-HALF DOZEN IN A BOX.

NAIL CLAWS.



No. 5—Wrought steel, japanned, 5 prongs, length 12 in., w't per doz. 15 lbs. .....per dozen **EJE** $8.40

ONE-HALF DOZEN IN A BOX.

BUNG BORERS.



Cast Steel, Tempered, Polished Blade with Round Lip Bit.

No. 10 RIVARC—Bores from ⅝ to 1½ in., w't per doz. 18 lbs., per dozen .....**ADDJ** $24.00

No. 20 RIVARC—Bores from 1⅝ to 2 in., w't per doz. 20 lbs., per dozen .....**AIDE** $32.40

The RIVARC *bores a regular tapering round hole, holding its own chips, preventing them from entering the cask. It is tempered to cut in any kind of wood, and the round lip bit assures smoothness in boring.*

CARPENTERS' APRONS.



Nos. 1 and 11. Nos. 2 and 3.

No. 1 RIVARC—Short pattern, good quality heavy white duck, web neck and waist bands, two nail pockets and one combination rule and nail pocket, double stitched, well made and finished 21 in. long, 30 in. wide, w't per doz. 3¾ lbs. ....per dozen **BEJ** $4.20

No. 11—Brown duck, otherwise same as No. 1 .....per dozen **BEJ** $4.20

No. 3—Long pattern to reach below knees, fine quality heavy tan duck, divided so as not to interfere with walking, two nail or tool pockets, one combination rule and pencil pocket, web neck band, web waist and leg bands, well sewed and finished, 34 in. long, 29 in. wide, w't per doz. 5¼ lbs. .....per dozen **CIJ** $6.50

No. 2—Long pattern to reach below knees, fine quality **white** duck, w't per doz. 7⅛ lbs., otherwise same as No. 3 .....per dozen **CIJ** $6.50

We can furnish Nos. 1 and 11 aprons stenciled with customer's advertisement.

BOX, COTTON AND HAY HOOKS.

BOX, COTTON AND HAY HOOKS.



Cast Steel, Flattened Shank, Ebonized Handle.

No. 6—6x⅜ in., w't per doz. 6 lbs., per dozen .....**ADE** $2.10

No. 8—8x⅜ in., w't per doz. 7½ lbs., per dozen .....**AHJ** $2.70

No. 5—10x⅜ in., w't per doz. 9 lbs., per dozen .....**AIJ** $3.00

No. 7—12x½ in., w't per doz. 14 lbs., per dozen .....**BEJ** $4.00

NO. 7, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A BOX.



No. 4—Humason & Beckley's, 6x⅜ in., extra quality, cast steel, diamond pattern, maple handle, w't per doz. 6½ lbs. .....per dozen **BDJ** $5.00

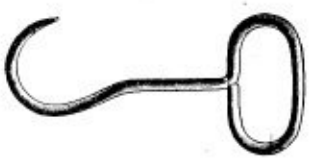
ONE DOZEN IN A BOX.

HAY HOOKS.



No. 63—7½x⅜ in., extra cast steel, polished, round shank, ebonized handle, w't per doz. 6½ lbs., per dozen .....**BDJ** $6.00

ONE DOZEN IN A BOX.



No. 65—All steel, 7¾x⅞ in., extra cast steel, with large loop for hand, w't per doz. 12½ lbs., per doz. **BEJ** $6.00

An extra heavy hay hook.

ONE DOZEN IN A BOX.

BOX HOOKS.



No. 64—6x⅜ in., extra cast steel, polished, square shank, ebonized handle, w't per doz. 6 lbs., per dozen .....**BCJ** $5.00

ONE DOZEN IN A BOX.

COTTON HOOKS.

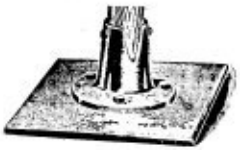


No. 62—6x¼ in., extra cast steel, polished, square shank, ebonized handle, w't per doz. 6 lbs., per dozen .....**BCJ** $5.00

ONE DOZEN IN A BOX.

BRICK AND CEMENT TOOLS.

SIDEWALK TAMPERS.

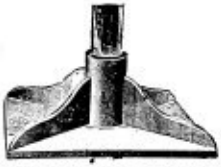


Steel Plate, Malleable Riveted Socket, 4 Foot Wood Handle.

No. 4—8x8 in., w't each 15 lbs., per dozen .....**JHDJ** $18.00

No. 5—10x10 in., w't each 18 lbs., per dozen .....**AJHJ** $21.60

No. 452—Extra handles for Nos. 4 and 5 sidewalk tampers, 4 ft. long with squared, plain end, w't per doz. 25 lbs. .....per dozen **BAE** $3.60



One Piece, Reinforced Cast Plate and Socket, 4 Foot Wood Handle.

No. 30—6x6 in., w't each 10 lbs., per dozen .....**JFJJ** $13.00

No. 40—8x8 in., w't each 16 lbs., per dozen .....**JGHJ** $16.00

No. 453—Extra handles, 4 ft. long with round slotted end, w't per doz. 25 lbs., per dozen .....**BAE** $3.60

PACKED LOOSE.

BEADING TOOLS.



Polished Cold Drawn Steel, Milled True to Gauge, Length 8½ in., One End Concave and the Other Convex.

Nos.	140	130	120
Size, in.	⅜	⅛	1/16
W't per doz., lbs...	4½	3	2¼
Per dozen $6.00	6.00	6.00	
	CFJ	CFJ	CFJ

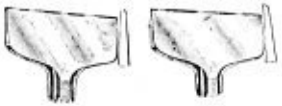
ONE-HALF DOZEN IN A BOX.

POINTING TOOLS.



No. 402—8 in. long, one end round for concave mortar joints, one end square for diamond joints, hand forged steel, polished and tempered, w't per doz. 3½ lbs. .....per dozen **CFJ** $6.00

BRICK CHISELS AND SETS.



Solid Forged Steel, ¾ Inch Octagon Shank, Polished Head and Blade, Length Over All About 7 Inches.

No. 75—Chisels, double bevel, 4 in. blade, w't per doz. 13½ lbs., per dozen .....**JFJJ** $10.00

No. 55—Sets, single bevel, 4 in. blade, w't per doz. 13½ lbs., per dozen .....**JFJJ** $10.00

REVONOC STAR DRILLS.



REVONOC, Extra Quality Tool Steel, Vermilion Body, Carefully Tempered, for Cement and Brick Work.

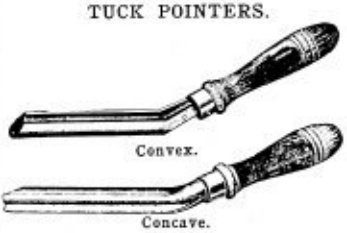
Size, in.	¼	5/16	⅜
Length, in.	12	12	12
W't, doz., lbs.	2¼	3	4
Per dozen $3.60	4.20	4.50	
	AIJ	BAE	BDJ

Size, in.	½	5/8	¾
Length, in.	12	12	12
W't, doz., lbs.	5	8½	13
Per dozen $5.40	6.70	7.20	
	BIJ	CBE	CHE

Size, in.	⅞	1
Length, in.	12	12
W't, doz., lbs.	19½	26
Per dozen $10.80	14.50	
	JEGE	JGGJ

PACKED LOOSE.

TUCK POINTERS.



Forged Steel, 4½ Inch Hardwood Polished Handle with Ferrule, Length of Pointing Surface 5 Inches.

CONCAVE.

Nos.	2	3
Width, in.	⅜	½
W't per doz., lbs.	3½	7
Per dozen $6.00	6.00	
	CFJ	CFJ

CONVEX.

Nos.	112	113
Width, in.	⅜	½
W't per doz., lbs.	4	7
Per dozen $6.00	6.00	
	CFJ	CFJ

ONE-HALF DOZEN IN A BOX.

ARROWSMITH CONCRETE TOOLS.



No. LC2½.

JOINTERS.

No. LJ—Made of malleable iron, equipped with one long adjustable handle, one short emergency handle, one wrench, w't 2 lbs., per dozen .....**CHIJ** $48.00

EDGERS.

No. LE—Made of malleable iron, equipped with one long adjustable handle, one short emergency handle, one wrench, w't 2 lbs., per dozen .....**CHIJ** $48.00

TROWELS.

Blade is Made of 21 Gauge Steel, with Malleable Mounting, Equipped with One Long Adjustable Handle, One Short Emergency Handle and One Wrench.

No. LT—Length, in.	15	24
W't, lb.	¾	1
Per dozen	$48.00	72.00
	CHIJ	EHCJ

ONE IN A BOX; HANDLES LOOSE.

COMBINATION OUTFITS.

No. LC1—Combination, consists of one 15 in. trowel, one jointer, one edger, equipped with long handles, one interchangeable short emergency handle, one wrench, w't per set 6¼ lbs., per set .....**JHAJ** $10.00

No. LC2½—Combination, consists of one 15 in. trowel, one 24 in. trowel, one edger, one jointer, equipped with long handles, one interchangeable short emergency handle, one wrench, w't per set 8½ lbs., per set **AACE** $14.00

ONE SET IN A BOX.

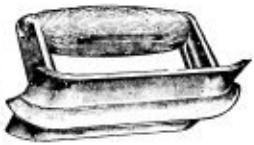
Instead of modeling the Edger and Jointer on conventional lines, both ends are raised, giving them the "rocker-shape" to enable them to cut their way instead of plowing, the result being a cleaner joint and edge with less work.

The long 5 ft. handle and perfect adjustment give them an advantage over the short handled tools, appreciated by anyone who has been obliged to do finishing on hands and knees.

CEMENT AND SIDEWALK TOOLS.

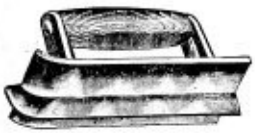
MADE OF CLOSE GRAINED CAST IRON, WELL POLISHED, WITH WAXED MAPLE HANDLES.

JOINTERS.



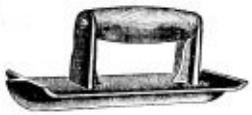
No. 10—Iron, 6x2¼ in., both ends curved, w't per doz. 11½ lbs., per dozen .....**CFJ** $6.00

These jointers are for grooving between the sections of a concrete walk, cutting a groove ½ in. deep, ¾ in. wide.

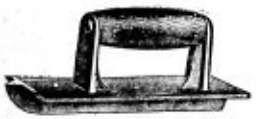


No. 12—Iron, 6x3 in., one end straight, w't per doz. 14 lbs., per dozen .....**CFJ** $6.00

These jointers are for grooving between the sections of a concrete walk, cutting a groove ½ in. deep, ¾ in. wide.



No. N10—Iron, 8x1¼ in., both ends curved, w't per doz. 16 lbs., per dozen .....**DHJ** $8.00

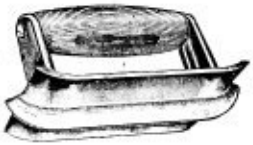


No. N12—Iron, 8x1¼ in., one end straight, w't per doz. 13 lbs., per dozen .....**DHJ** $8.00

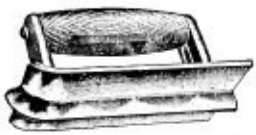
These jointers are for grooving between the sections of a concrete walk, cutting a groove ½ in. deep, ¾ in. wide.

ONE-SIXTH DOZEN IN A BOX.

SIDEWALK GROOVERS.



No. 13—Iron, 6x3 in., both ends curved, w't per doz. 15 lbs., per doz. **CFJ** $6.00



No. 14—Iron, 6x3 in., one end straight, w't per doz. 14 lbs., per doz. **CFJ** $6.00

Groovers make a cut ½ in. deep and ½ in. wide. Used for drainage grooves or to prevent slipping.

ONE-SIXTH DOZEN IN A BOX.

CURBING EDGERS.



No. 22—Iron, 6⅛x3⅛ in., radius 1 in. depth 1½ in., w't per doz. 22 lbs., per dozen .....**JHFE** $14.40

For finishing curbs, copings, etc., giving a full rounded edge.

ONE-SIXTH DOZEN IN A BOX.

SIDEWALK EDGERS.



No. 01—Iron, 6x2¼ in. radius ⅛ in., depth ⅝ in., w't per doz. 16 lbs., per dozen .....**CFJ** $6.00

No. 02—Iron, 6x2¼ in., radius ¾ in., depth ⅞ in., w't per doz. 17 lbs., per dozen .....**DEJ** $7.50



No. 01-N—Iron, 8x1¼ in., radius ¾ in., depth ⅝ in., w't per doz. 13½ lbs., per dozen .....**DHJ** $8.00

Edgers are used for finishing and slightly rounding the edges of cement walks, to prevent slipping.

ONE-SIXTH DOZEN IN A BOX.

SQUARE EDGERS.



No. 21—Iron, 6x3 in., radius ⅛ in., depth 1 in., w't per doz. 17 lbs., per dozen .....**JFJJ** $10.00

For finishing steps and all right angled corners.

ONE-SIXTH DOZEN IN A BOX.

FOR CONCRETE MIXERS FOR SIDEWALK CONTRACTORS, SEE PAGES 196B TO 197.

TROWELS.

BRICK.



Extra Broad Special Trowel, High Grade Cast Steel Blade, Blued Shank, Polished Steel Ferrule, Leather Wrapped Maple Handle.

No. 30 —		
Blade, in.	10	10½
W't per doz., lbs.	14½	15
Per dozen	$20.00	20.00
	ACHJ	ACHJ
No. 30 —		
Blade, in.	11	11½
W't per doz., lbs.	15¼	16½
Per dozen	$20.00	20.00
	ACHJ	ACHJ

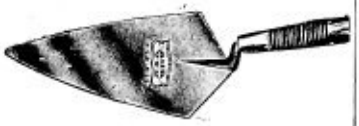
The 11 in. size is about 6 in. across, others in proportion.

ONE-HALF DOZEN IN A BOX.



Philadelphia Pattern, High Grade Cast Steel Blade, Solid Shank, Steel Ferrule, Leather Wrapped, Maple Handle.

No. 31 —Blade, in.	10	11
W't per doz., lbs.	11½	12
Per dozen	$12.00	13.00
	JHDJ	JIBE
No. 31 —Blade, in.	11½	12
W't per doz., lbs.	12½	13
Per dozen	$13.50	14.00
	JIFE	AJAJ



Chicago Pattern, Best Quality, Full Polished Crucible Steel Blade, Extra Wide Heel, Leather Handle.

No. 32 —		
Blade, in.	10	10½
W't per doz., lbs.	14	14½
Per dozen	$20.00	20.00
	ADDJ	ADDJ
No. 32 —		
Blade, in.	11	11½
W't per doz., lbs.	15	15½
Per dozen	$20.00	20.00
	ADDJ	ADDJ

Made to carry load on heel of trowel relieving wrist of weight.

ONE-HALF DOZEN IN A BOX.

BRICK.



Philadelphia Pattern, Extra Cast Steel, Polished Blade, Solid Shank, Steel Ferrule, Maple Handle.

No. 29 —Blade, in.	10	10½
W't per doz., lbs.	11½	12
Per dozen	$10.00	11.00
	JHAJ	JHDJ
No. 29 —Blade, in.	11	11½
W't per doz., lbs.	12½	13
Per dozen	$11.50	12.00
	JHGJ	JIJJ



Rose's Philadelphia Pattern, Cast Steel Blade, Solid Shank, Steel Ferrule, Maple Handle.

No. 34—Rose's,			
Blade, in.	10	10½	11
W't, doz., lbs.	12	13	13½
Per dozen	$13.25	13.75	14.25
	AACJ	AAGJ	ABAJ
No. 34—Rose's,			
Blade, in.	11½	12	13
W't, doz., lbs.	14	15	16½
Per dozen	$14.75	15.25	16.25
	ABEE	ABIE	ACHJ

ONE-HALF DOZEN IN A BOX.

Rose's Wide Heel Pattern, Cast Steel Blade Solid Shank, Steel Ferrule, Maple Handle.

No. 35—Blade, in.	10½	11	11½
W't, doz., lbs.	13½	14	15
Per dozen	$13.75	14.25	14.75
	ABEE	ACDJ	ADAE



No. 36—Farmers', 10 in. polished cast steel blade, riveted shank, maple handle, w't per doz. 8 lbs., per dozen ..... AHJ $3.00

ONE DOZEN IN A BOX.



DISSTON'S, Cast Steel Polished Blade, Steel Ferrule, Maple Handle.

No. 50—Blade, in.	10	11
W't per doz., lbs.	11	12
Per dozen	$10.00	11.00
	JHCE	JIAE
No. 50—Blade, in.	11½	12
W't per doz., lbs.	12½	13½
Per dozen	$11.50	12.00
	JIFJ	AJJJ

ONE-HALF DOZEN IN A BOX.

BRICK.



CRUSO, London Pattern, Cast Steel Polished Blade, Solid Shank, Steel Ferrule, Maple Handle.

No. 37—Blade, in.	9	10	11
W't per doz., lbs.	8	10	10½
Per dozen	$6.75	7.25	7.75
	DCJ	DHJ	EBJ
No. 37—Blade, in.	11½	12	
W't per doz., lbs.	11½	12	
Per dozen	$8.00	8.25	
	EFE	EIJ	

ONE-HALF DOZEN IN A BOX.

POINTING.



High Grade Cast Steel Blade, Blued Shank, Nickel Plated Ferrule, Cherry Stained Handle.

No. 42 —				
Blade, in.	4½	5	5½	6
W't per doz., lbs.	2½	2⅝	3¼	3⅜
Per dozen	$3.75	4.00	4.25	4.50
	BGE	BIJ	CJJ	CBJ

CRUSO, Cast Steel, Polished, Solid Shank, Steel Ferrule, Beech Handle.

No. 43—				
Blade, in.	4	4½	5	6
W't per doz., lbs.	2½	2½	2¾	3
Per dozen	$2.95	3.00	3.10	3.40
	BCJ	BCE	BDJ	BFE

No. 21—5½ in. polished blade, malleable shank, hardwood handle, brass ferrule, w't per doz. 3½ lbs., per dozen ..... JGJ $1.50

AND CRUSO, ONE-HALF DOZEN, NO. 21, ONE DOZEN IN A BOX.

MARSHALLTOWN NEW IDEA BRICK TROWELS.



Crucible Steel Polished Blades, Leather Handles, Extra Wide Heel.

No. 17—Length, in.	10	10½
Width, in.	6	6¼
W't per doz., lbs.	14	14½
Per dozen	$20.00	20.00
	ADDJ	ADDJ
No. 17—Length, in.	11	11½
Width, in.	6½	6⅝
W't per doz., lbs.	15	15½
Per dozen	$20.00	20.00
	ADDJ	ADDJ

ONE-HALF DOZEN IN A BOX.

PLASTERING TROWELS.



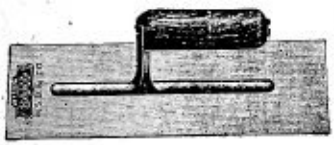
Marshalltown Pattern, Full Polished Crucible Spring Steel Blade, Long Full Polished Mountings, Ten Rivets, Slightly Concave, Ground, Straight Edges, Mahogany Finished Handle.

No. 12 — Sizes, in.	4¾x11	4¾x11½	4¾x12
W't, doz., lbs.	12½	13	14½
Per dozen	$30.00	30.00	30.00
	AIEJ	AIEJ	AIEJ

No. 12 — Sizes, in.	5x11½	5x12
W't per doz., lbs.	14½	15
Per dozen	$30.00	30.00
	AIEJ	AIEJ

No. 12 — Sizes, in.	5x14	6x16
W't per doz., lbs.	15½	18
Per dozen	$30.00	30.00
	AIEJ	AIEJ

6x16 IN., ONE-QUARTER DOZEN; BALANCE, ONE-THIRD DOZEN IN A BOX.

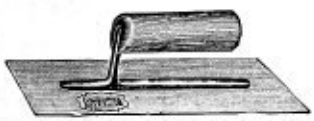


Cincinnati Pattern, Stained Handle, Polished Mounting.

No. 15 — Length, in.	10½	11
Width, in.	4¼	4½
W't per doz., lbs.	13	13
Per dozen	$13.25	13.75
	AAAJ	AADJ

No. 15 — Length, in.	11½	12
Width, in.	4¼	4½
W't per doz., lbs.	13½	14½
Per dozen	$14.50	15.00
	AAGJ	ABJJ

ONE-HALF DOZEN IN A BOX.



Cincinnati Pattern, Maple Handle, Polished Blade and Mounting.

No. 28 — Length in.	10½	11
Width, in.	4¼	4½
W't per doz., lbs.	13	13
Per dozen	$12.00	12.50
	JIFJ	JIIJ

No. 28 — Length in.	11½	12
Width, in.	4¼	4½
W't per doz., lbs.	13½	14½
Per dozen	$13.00	13.50
	AJBJ	AJEJ



CRUSO, Cast Steel, Polished, Drice Shank, Maple Handle.

No. 19—In...	10	11	11½	12
Width, in...	4½	4½	4½	4½
W't, doz., lbs.	11	12	13	14
Per dozen	$6.50	7.50	8.00	9.00
	EBJ	FJJ	FDJ	GBJ

No. 07—Farmers', 11x4½ in., riveted shank, w't per doz. 13 lbs., per dozen ..... CCJ $5.50

ONE-HALF DOZEN IN A BOX.



Marshalltown Finishing, 24 Gauge Outside, 22 Gauge Center, Cast Steel Blade, Bolted Shank.

No. 4—Sizes, in.	4½x11½	4¾x11	4¾x11½
W't, doz., lbs.	13	13½	14
Per dozen	$30.00	30.00	30.00
	BAFJ	BAFJ	BAFJ

No. 4—Sizes, in.	4¾x12	5x11½	5x12
W't, doz., lbs.	14½	14½	15
Per dozen	$30.00	30.00	30.00
	BAFJ	BAFJ	BAFJ

ONE-THIRD DOZEN IN A BOX.



Marshalltown Browning, 22 Gauge, Cast Steel Blade, Bolted Shank.

No. 5—Sizes, in.	4¾x11	4¾x11½	4¾x12
W't, doz., lbs.	14	14½	14½
Per dozen	$30.00	30.00	30.00
	BAFJ	BAFJ	BAFJ

No. 5—Sizes, in.	5x11½	5x12
W't per doz., lbs.	15	15½
Per dozen	$30.00	30.00
	BAFJ	BAFJ

Similar to the finishing trowel, excepting that the mounting extends to within ¼ in. of the end of the blade and rivets.

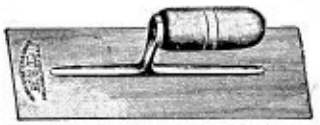


DISSTON'S, "Sure Grip," Cast Steel Polished Blade, High Mounted, Drive Shank, Basswood Handle with Rubber Grip.

No. 3—Inches	10½	11
Width, in.	4½	4⅝
W't per doz., lbs.	14	14½
Per dozen	$14.50	15.00
	ABIJ	ACCJ

No. 3—Inches	11½	12
Width, in.	4¾	5
W't per doz., lbs.	15½	16½
Per dozen	$15.50	16.00
	ACGE	ADBJ

ONE-HALF DOZEN IN A BOX.

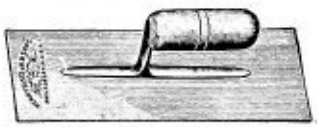


DISSTON'S, Extra Cast Steel, Polished Blade, Improved Screw Shank, with Shoulder, Maple Handle.

No. 1—Inches	10	11
Width, in.	4½	4⅝
W't per doz., lbs.	12	12½
Per dozen	$13.75	15.25
	ABBJ	ACEE

No. 1—Inches	11½	12
Width, in.	4¾	5
W't per doz., lbs.	14½	15
Per dozen	$16.75	18.50
	ADIJ	AFDE

ONE-HALF DOZEN IN A BOX.

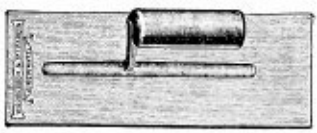


DISSTON'S, Extra Cast Steel Blade, Drive Shank.

No. 2—Inches	10	11
Width, in.	4½	4⅝
W't per doz., lbs.	11½	12
Per dozen	$12.25	13.50
	AJIJ	ABJJ

No. 2—Inches	11½	12
Width, in.	4¾	4⅞
W't per doz.	13	14
Per dozen	$14.50	15.75
	ABIJ	ADJJ

ONE-HALF DOZEN IN A BOX.



WOODROUGH & McPARLIN'S Cincinnati, Cast Steel, Polished, High Mounted, Drive Shank, Maple Handle.

No. 18—Inches	10½	11
Width, in.	4½	4¾
W't per doz., lbs.	12½	13
Per dozen	$12.50	13.00
	AABE	AAGJ

No. 18—Inches	11½	12
Width, in.	4¾	5
W't per doz., lbs.	13½	14
Per dozen	$13.50	14.00
	ABAE	ABFJ

ONE-THIRD DOZEN IN A BOX.



No. 16—Farmers', 10½x4½ in., polished steel blade, riveted shank, w't per doz. 13½ lbs.....per dozen AHJ $4.00

ONE-THIRD DOZEN IN A BOX.

MISCELLANEOUS PLASTERING TOOLS.

PLASTERER'S HAWKS.



First Quality Cedar.

No. 11—Marshalltown, 13½x13½ in., w't per doz. 25 lbs., per doz. **JHGJ** $15.00

These hawks are made of the best quality clear cedar, dipped in linseed oil, cross piece is dovetailed to prevent warping.

The nut is inserted between the cross-piece and upper running board which makes it possible to have a detachable handle.

ONE-QUARTER DOZEN IN A BOX.



Hard Rolled Aluminum.

Nos.	1	2	3
Sizes in.	13x13	13½x13½	14x14
W't, doz., lbs.	20	22	24
Per dozen	$33.00	34.00	35.00
	BCDJ	BDJJ	BDFJ

ONE-QUARTER DOZEN IN A BOX.

DARBIES.



No. 2—Marshalltown, aluminum, 3½x44 in., with one handle, 18 in. rib, w't per doz. 30 lbs.....per dozen **BHHJ** $36.00

ONE-HALF DOZEN IN A CASE.



No. 4—Size 3½x44 in., cedar, 18 in. rib, which stiffens the bed plate, one detachable handle, w't per doz. 13 lbs., per dozen ..... **JFFJ** $12.00

PLASTERERS' FLOATING CORKS.



Made from One Thickness of Cork, Carefully Smoothed on Both Sides.

No. 5—12x5x1¼ in., w't per doz. 6 lbs., per dozen ..... **JFJJ** $10.20

No. 6—12x6x1¼ in., w't per doz. 7 lbs., per dozen ..... **JGBJ** $12.00



No. 7—Size 5x12 in., made from one thickness of cork, carefully smoothed and cemented on wood block with handle, w't per doz. 18 lbs., per dozen ..... **JHFE** $15.00

IMITATION TILE AND BRICK MARKERS.



No. 1—Crucible spring steel tempered, black enameled handles, per dozen ..... **DEJ** $9.00

The groove on this marker is gauged to the proper depth, cuts both ways so as to cut into corners.

ONE-HALF DOZEN IN A BOX.

CORNER TROWELS.



GVB, 6 in., extra high grade cast steel blade, cherry finished handle, bronzed shanks, w't per doz. 10½ lbs., per dozen ..... **JFJJ** $10.00

ONE-HALF DOZEN IN A BOX.

TOOL BAGS.



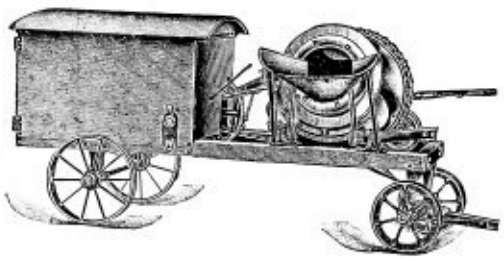
No. 19—Inches	18	20
W't per doz., lbs.	31	36
Per dozen	$33.00	36.00
	BAFJ	BDJJ
No. 19—Inches	22	24
W't per doz., lbs.	42	44
Per dozen	$40.00	44.00
	BEBJ	BGJJ

For masons or plasterers, made of 18 oz. duck, sewed with heavy carpet twine (on lock stitch machine), steel frame with lock and key, leather handles, billets and buckle pieces copper riveted to frame, large inside pocket.

No. 23—Inches	16	20
W't per doz., lbs.	33	42
Per dozen	$60.00	70.00
	CBDJ	CFJJ

Leather bottom, with leather extending half way up the sides, otherwise same as No. 19.

NORTHWESTERN CONE BATCH MIXERS.



The Northwestern Cone Batch Mixer combines four principles which are most in demand by contractors, through long usage and practicability. First, the conical type—second, the long cylinder—third, the closed discharge end, and fourth, the low open charging end. These principles insure speed, control of mixed materials, convenience in loading and unloading, easy access for cleaning, adjustability of paddles, and correct mix of the materials.

Drum—The drum is a tapered high carbon steel plate cylinder with conical ends, made of heavy steel castings, having wide bearings and carried on four chilled semi-steel cast rollers. The drum is driven by a standard link chain on the large end. The sprocket is cast integral with the drum end. The ends are held together by means of six heavy rods.

Discharge Door—This is a new patented device, controlled by a lever within the reach of operator and free from all danger. This door permits dumping of a pailful or a full load, as desired. The entire mix can be unloaded in approximately three revolutions of the drum. The material is carried to the door by means of a chute on the inside of drum, so shaped that it will aid in mixing when door is closed.

Charging End—This end is set low, and has a large opening, from 16 in. to 24 in., depending on the size of the machine. It permits three or four men to throw material directly into the machine, also permits dumping from wheelbarrows without any delay. When wheelbarrows are used a standard hopper is necessary.

Paddles—The paddles are made of steel plate and securely fastened to the rods holding the two ends together. These paddles are separated from the shell, preventing any lodging of material in pockets, and making the machine easy to clean. The paddles carry the material forward and up, dropping the mixture in a sort of spray. The chute throws the mixture back towards the charging end, creating a "whirlpool" mix.

Frame—The frame is made entirely of steel, riveted and braced, maintaining perfect alignment and insuring long life. The frame is mounted on heavy truck wheels and axles, the faces of the wheels are amply wide to carry the full load.

Chain Drive—**The Northwestern Cone Mixer** is driven by a chain belt, of standard type, easily replaced and very inexpensive.

Lubrication—All bearings and journals are lubricated through hard oil cups and are so arranged as to force the hard oil to the spot needed.

Power—The No. 105TE—Housed—Mixer, shown above, is equipped with a four cycle, hopper cooled, jump spark ignition, 2½ horse power engine, giving ample power to handle the full load. The engine is thoroughly reliable.

Capacity—The mixer shown is a 5 ft. size, that is, it will mix thoroughly five feet of mixed material at each batch, or six feet of loose material. This machine will mix as much material as the so-called six and seven feet machines of other makes. The shape of drum gives added capacity and prevents slopping.

Portability—This machine is easily handled by two or three men and can be moved about the job without the use of a team of horses. **The Northwestern Cone** is furnished in one standard type with housing for engine, standard hopper for wheelbarrow and hand pole. A water tank is not needed with this machine, as water is thrown into the machine through the large open end.

No. 105—Cone Mixer on skids with pulley, each★ ..... **ADDEJ** $257.50

No. 105E—Cone Mixer on skids with engine, each★ ..... **BEEIJ** 426.50

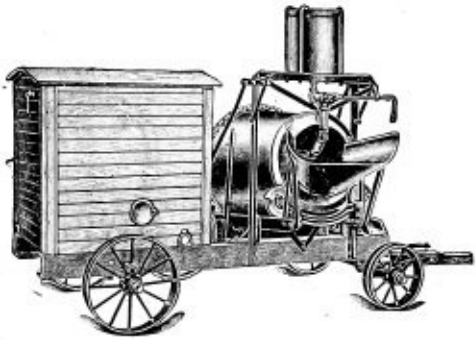
No. 105T—Cone Mixer on trucks with pulley, each★ ..... **AGGFJ** 296.00

No. 105TE—Cone Mixer on trucks with engine, each★ ..... **BGICJ** 465.50

No. 105½—Wood Housing for above★....each **AEIJ** 26.50

★*FOR FACTORY SHIPMENT ONLY.*

NORTHWESTERN CONE BATCH MIXERS.



The Northwestern Cone Mixer shown on this page is the standard No. 107TE equipped with gasoline engine, automatic water tank and wood housing. This type is furnished in three sizes and with equipment as listed below.

Construction—This machine is the same style as the No. 105, except that it is much heavier in construction throughout. The shape of the drum, discharge door, the charging end, the paddle arrangement, the frame and mountings are of the same general design.

Equipment—Nos. 107, 110 and 120 can be furnished with side loader, batch hopper, either gasoline or steam engine, water tank, and wood or steel housing.

SMALL SIZE, Capacity 8 Cubic Feet Unmixed, 6 Cubic Feet Mixed Material.

No. 107—Cone mixer, on skids, with pulley, no engine, w't each 1,560 lbs.★ .....each **BEFEJ** $427.50

No. 107E—Cone mixer, on skids, with 4 H. P. gasoline engine, w't each 2,240 lbs.★ .....each **CEAJJ** $585.00

No. 107T—Cone mixer, on trucks, with pulley, no engine, w't each 2,035 lbs.★ .....each **BGIJJ** $465.00

No. 107TE—Cone mixer, on trucks, with 4 H. P. gasoline engine, w't each 2,715 lbs.★ .....each **CFIJJ** $615.00

No. 7WH—Wood housing for engine, w't each 151 lbs., extra★ .....each **AJHJ** $18.00

No. 7SH—Steel housing for engine, w't each 197 lbs., extra, each★ .....**BGJJ** $45.00

No. 7WT—Automatic water tank with frame, w't each 107 lbs., extra★ .....each **BGJJ** $45.00

No. 7SL—Side loading attachment with double hoists, w't each 636 lbs., extra★ .....each **AABEJ** $187.50

No. 7BH—Batch hopper, w't each 165 lbs., extra, each★ .....**EDJJ** $90.00

MEDIUM SIZE, Capacity 12 Cubic Feet Unmixed, 9 Cubic Feet Mixed Material.

No. 110—Cone mixer, on skids, with pulley, no engine, w't each 2,070 lbs.★ .....each **CJAEJ** $502.50

No. 110E—Cone mixer, on skids, with 5 H. P. gasoline engine, w't each 3,570 lbs.★ .....each **DFHJJ** $780.00

No. 110S—Cone mixer, on skids, with 4 H. P. steam engine, w't each 4,165 lbs.★ .....each **DEIJJ** $765.00

No. 110T—Cone mixer, on trucks, with pulley, no engine, w't each 2,570 lbs.★ .....each **CBHBJ** $547.50

No. 110TE—Cone mixer, on trucks, with 5 H. P. gasoline engine, w't each 3,890 lbs.★ .....each **DIEJJ** $825.00

No. 110TS—Cone mixer, on trucks, with 4 H. P. steam engine, w't each 4,465 lbs.★ .....each **DHFJJ** $810.00

No. 10WH—Wood housing for engine, w't each 232 lbs., extra, each★ .....**ACEJ** $22.50

No. 10SH—Steel housing for engine, w't each 250 lbs., extra, each★ .....**CFJJ** $60.00

No. 10WT—Automatic water tank, with frame, w't each 110 lbs., extra★ .....each **CFJJ** $60.00

No. 10SL—Side loading attachment with double hoists, w't each 656 lbs., extra★ .....each **ACEJJ** $225.00

No. 10BH—Batch hopper, w't each 190 lbs., extra, each★ .....**EHEJ** $97.50

LARGE SIZE, Capacity 24 Cubic Feet Unmixed, 15 Cubic Feet Mixed Material.

No. 120—Cone mixer, on skids, with pulley, no engine, w't each 3,030 lbs.★ .....each **DCBJJ** $720.00

No. 120E—Cone mixer, on skids, with 8 H. P. gasoline engine, w't each 3,700 lbs.★ .....each **JGFIEJ** $1,282.50

No. 120S—Cone mixer, on skids, with 6 H. P. steam engine, w't each 6,400 lbs.★ .....each **JGJBJJ** $1,170.00

No. 120T—Cone mixer, on trucks, with pulley, no engine, w't each 3,375 lbs.★ .....each **DIJEJ** $817.50

No. 120TE—Cone mixer, on trucks, with 8 H. P. gasoline engine, w't each 5,050 lbs.★ .....each **JHCBEJ** $1,387.50

No. 120TS—Cone mixer, on trucks, with 6 H. P. steam engine, w't each 6,750 lbs.★ .....each **JGFEJJ** $1,275.00

No. 20WH—Wood housing for engine, w't each 300 lbs., extra, each★ .....**AHJJ** $30.00

No. 20SH—Steel housing for engine, w't each 360 lbs., extra, each★ .....each **DEJJ** $75.00

No. 20WT—Automatic water tank with frame, w't each 120 lbs., extra★ .....each **DEJJ** $75.00

No. 20SL—Side loading attachment, with double hoists, w't each 853 lbs., extra★ .....each **ADHEJ** $247.50

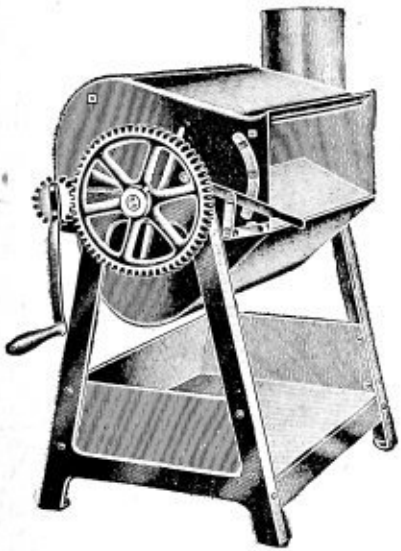
No. 20BH—Batch hopper, w't each 250 lbs., extra, each★ .....**JGBJJ** $120.00

SPECIAL CATALOGUE—We will mail upon application, a special factory catalogue, showing detailed description of the above Mixers and Attachments.

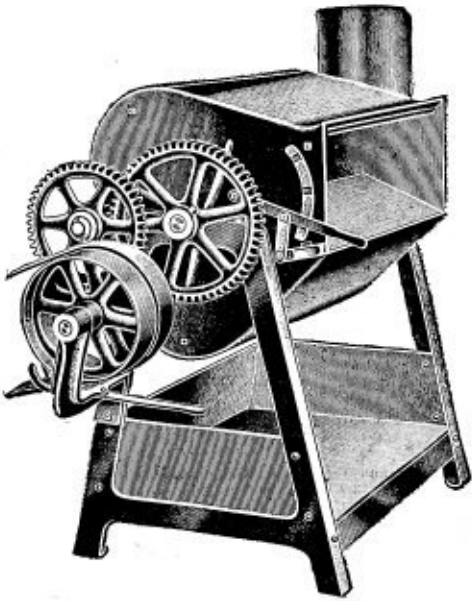
★*FOR FACTORY SHIPMENT ONLY.*

NORTHWESTERN TRIANGULAR CONCRETE MIXERS.

HAND MIXER.



POWER MIXER.



Principle—Triangular type with automatic door. In every turn of the drum, three complete mixings take place. The material is carried up well onto one side and then thrown in a shower over the contents in the bottom of the drum.

Time Required to Mix One Batch—From one to two minutes will thoroughly mix up a batch of concrete. The quality of the mix as well as the saving of time and labor will soon offset the cost of either machine.

Operation—The cement and sand or gravel is placed into the machine, the cover locked, and the machine revolved about 18 times. This will require about one minute's time. The water is then turned on and the drum revolved until the mixture is of the proper moisture. The cover is then unlocked and the drum turned over once or twice which will thoroughly empty it. It is a good rule to continue mixing until an even color is obtained. In this way porosity is greatly reduced and the question of waterproofing in a measure is solved.

Cleaning—Any mixer should be washed out with water at the end of each days work, else the concrete will stick and harden. With these mixers, water can easily be thrown in, and a few turns of the drum will thoroughly flush the interior.

Description—The mixer consists of frame, drum, gearing, water tank and wetting device. Length of drum 34½ in., circumference, 84 in., diameter 26 in., height over all 4 ft. 2 in., length over all 4 ft. 8 in., capacity 4 to 5 cu. ft., capacity of hopper bottom, two batches, speed 18 revolutions per minute. Frames are heavy iron castings with steel hopper at the bottom to hold the mix after it is dumped from the drum. The drum is made entirely of steel and is triangular shape with rounded corners. The shell is made of 14 gauge cold rolled steel and fits into grooves in either drum head. The drum heads are made of heavy castings and grooved on the inside. The drum head and shell are held together by three rods running entire length of the drum which also serve as an elevating device to carry the material well up on the side before it drops. The left hand drum head has a cold rolled steel journal chilled to the center, which turns in a solid box on the frame and the gear wheels are fastneed to this journal. The right drum head is a cast journal and is perforated to permit a pipe to run through it. The wetting device consists of a water tank, which is fastened to a stand on a 5 gallon frame. Connected with this tank is a half inch pipe which runs through the journal and extends clear across center of the inside drum head. This pipe is perforated and the water is regulated by a half inch globe valve. This method evenly distributes the water through the drum and evenness of moisture assured.

No. 3-HM—Hand power mixer, complete with crank handle and driving gear at each end, so one or two men can turn, the power is produced by a four-to-one set of gear wheels with a 30 in. sweep of the crank, w't each 550 lbs., each★ ..... **EDJJ $90.00**.

No. 21-PM—Belt power mixer, complete, power is transmitted through a 12x3 in. iron pulley, also equipped with loose pulley for throwing off the power at any place for emptying, requires about a 3 horse power engine to operate with full capacity, w't each 600 lbs.★ ..... each **JFABJ $102.00**

In ordering belt power mixers state what size pulley is wanted or the number of revolutions per minute of the engine and size of engine pulley.

★*FOR FACTORY SHIPMENT ONLY.*

CONCRETE FENCE POST MACHINES.

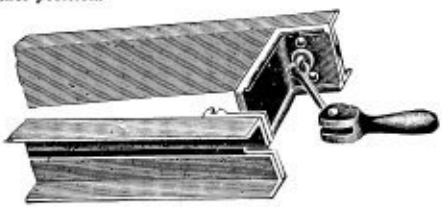


The Corrugated Fence Post Machine will answer all requirements of a low-priced, non-adjustable machine making tapered posts with corrugations two-thirds of the distance from the top. It is a machine which will stand plenty of hard knocks and will produce a post unusually attractive in design and strength.

Construction—Made with heavy corrugated sheet iron sides reinforced at the edges with 1 in. angle iron. The head is a plain piece of steel which slips into grooves and the machine is held together at the head by two eye bolts.

The foot consists of a plain piece of steel bolted to one side of the mould. An eccentric or cam lever slips into a groove on the opposite side and when pressed down will hold the mould solid and firm and no amount of tamping will loosen it.

Operation—The operation is very simple. Tamp in the material, level off the top, open the mould by drawing back the cam lever, swing the sides outward and remove to another position.



Detail of Fastening.

Sizes—The mould is not adjustable, but is made in all sizes suitable for lawn fence posts, field fence posts, stock fences, corner posts, etc.

Capacity—The capacity is from one to two hundred posts a day, varying according to the size and the number of men operating it.

Cost of Post—The cost of a post as figured by the United States Department of Agriculture, averages about 15c each, figuring on a mixture of 1:2½:5 and a post 4x6 at the bottom and 3x3 at the top.

One cubic yard of concrete will make twenty posts.

The comparative cost of a good cedar post, is from twenty to thirty cents.

Reinforcing—In this mould, as well as in the adjustable mould, the reinforcing is easy to accomplish. Use four strands of No. 9, twisted galvanzied wire, placed in the mould in each corner and about one inch from the surface—this forms all of the reinforcing necessary.

Shape—This mould is of the tapering type and makes a very handsome post. The advantage is that it gives the strength and body to the post near the ground where there is the most strain if animals rub against it. It also prevents heaving of the post in heavy clay soils and once these posts are set they will last indefinitely.

Poured or Tamped Type—With either of our post machines either wet or semi-wet material may be used. We recommend the use of a semi-wet material, just wet enough so that it will not fall down when the mould is removed.

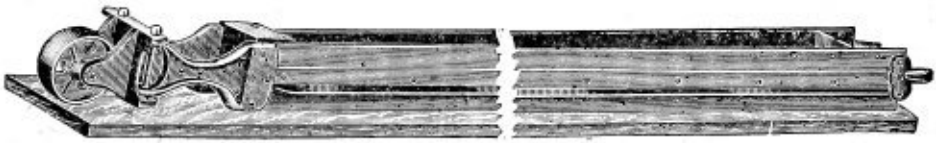
Curing—The method of curing of posts is exactly similar to that of blocks or any other form of concrete. The material should be well mixed, broken stone or gravel being not over ½ inch in size, and sand and gravel well mixed dry before adding the water. The posts should not be disturbed for a number of days and when left out of doors should be covered with straw, burlap or other similar covering, and should be sprinkled once or twice a day for at least fifteen days. Bevel or triangular shaped blocks can be secured by use of wooden moulding placed in the machine.

	Length	Top	Bottom	Corrugated	Weight	Each	
No. 311-CF—Lawn fence size	6 ft.	3½x3½	3½x5½	4 ft.	50 lbs.★	JGAJ	$11.82
No. 312-CF—Field fence size	7 ft.	3½x3½	3½x5½	4½ ft.	65 lbs.★	JGEJ	12.54
No. 313-CF—Large field fence size	7 ft.	4½x4½	4½x6½	4½ ft.	80 lbs.★	JGIJ	13.20
No. 314-CF—Stock fence size	8 ft.	4½x4½	4½x6½	5 ft.	90 lbs.★	JHGJ	14.52
No. 315-CF—Corner post size	8 ft.	8 x8	8 x8	5 ft.	125 lbs.★	AAAJ	18.48

Note—The Large Field Fence Post is sold in preference to other sizes because of the all around use to which it can be put.

★*FOR FACTORY SHIPMENT ONLY.*

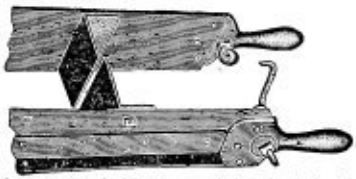
ADJUSTABLE CONCRETE FENCE POST MACHINES.



Moves Like a Wheelbarrow.



Showing Roller Bearing Front and Method of Adjustment.



Notice th eHandles for Moving and the Latch for Locking. Adjustmnet by Means of Screw Bolts.

Construction—Made of best gray iron, sides are ¼ in. re-inforced with 1 in. angle iron and are fastened to the head by means of bolts which also act as hinges to allow spreading of the mould when removing. Mould is locked by means of a latch. Handles and wheel head are heavy castings.

Adjustment—This machine is adjustable both as to length and width. It is possible to make either straight or tapered posts in any length up to 8 ft. The adjustment at the top is by means of two bolts which are easily and quickly moved to another position. Posts can be made 3¼ to 4¾ in. wide at the top.

The adjustment at the bottom is by means of a screw bolt, the width is changeable at the bottom to any size from 5½ to 7 in.

The thickness of the mould is 4 in.

Adjustment for length is by means of stopoff plates which can be unbolted and moved for any desired length.

Outfit—With each machine we furnish tamper, end block and center clamp.

Instructions—We furnish with each machine a book of instructions which will tell what mixture to use for posts, how to mix concrete and various other information which will enable anyone to make good concrete and fine looking posts at minimum cost.

Special Top—The top of the post is formed by a wooden block, sample of which is furnished with each machine. These tops may be round, square, oval, pointed or any desired shape. Anyone can make these tops as it requires no skill whatever to make them.

No. 301-AP—One man adjustable fence post machine, complete, w't 137 lbs.★ .....each **JHEJ** $14.16
No. 301½-AP—Extra tampers, 4x4½ in. head, 4x1 in. wedge end, w't 10 lbs.★ .....each **ADJ** 2.30

Making Fence Posts.

A good mixture is 1 part of cement, 2 parts of sand and 4 parts of gravel and the post can be either poured or tamped, but the tamped post is equal in every way to the poured posts, and a great many more can be made in a day when tamped. The machine is simply laid on the floor and the material tamped into the mould. To release the mould, a small hook is raised. It is spread apart a little, pushed forward on the wheel like a barrow a short distance, tilted over and brought back into position for another post. It is the simplest and easiest operated post machine made.

Reinforcing Posts.

The placing of reinforcing is an easy matter. About an inch of concrete is tamped into the machine then No. 9 twisted wire or bars, angle iron or any other material placed lengthwise in the center or on both sides and the remainder of the post filled, tamped in the regular way. When wire is used it is advisable to place two twisted strands in each of the four corners about 1 in. from each corner. No pallets are necessary as the posts can be made on any smooth floor.

Attaching Fence Wires to Post.

The wire is fastened to the post either by looping a short wire around the post and attaching to the main wire, or by any of the devices used for such purposes—namely, galvanized staples placed in the material when tamped, by making holes in the post, making corrugations on one side by means of corrugated sheets or moulding placed on the inside before tamping. The method most commonly used is by looping a short wire around the post and fastening to the main wire at both sides of the post. This is called the Western Union Loop.—See cut.



Durability and Cheapness.

A 7 ft. post, 3 in. at the top and 5½ in. at the bottom, costs from 12 to 15 cents and readily sells for twice that amount.

There is not one objection that can be raised against concrete posts and they can be made during spare time and rainy days. In the one man mould you get the easiest moved, most durable and least expensive post machine made. Only a few years ago such things as indestructible posts were unheard of. Iron is expensive, wood rots and is destroyed by fire and worms. Concrete posts are rapidly coming into general use and today are generally adopted by the most progressive people in all sections of the country.

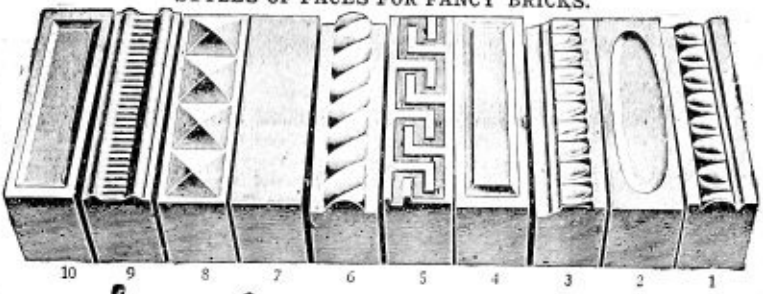
The making of concrete posts is a good business in itself or it is a profitable branch to any block making industry, or the moulds can b purchased by farmers and property owners and the posts made any time. They add beauty to any place when once set—make a solid foundation for the wire, not affected by the heaving of the ground. Fire does not affect them and weeds can be burned along the fence without any injury whatever to the posts. They also act as lightning arresters, saving valuable stock. Concrete posts will be appreciated by the man who, from year to year, has an endless task of replacing broken or rotten posts, especially in view of the fact that they can be made for about the same price as cedar posts.

★*FOR FACTORY SHIPMENT ONLY.*

CONCRETE BRICK MACHINES.

STYLES OF FACES FOR FANCY BRICKS.

We Can Furnish Any of the Following Design Face or End Plates for the Brick Machine on this Page,



ALWAYS ORDER BY NUMBER.

SIX BRICK MACHINE WITHOUT FANCY PLATE ATTACHMENT.



Showing Method of Drawing Division Plates.



Ready for Operation.

Construction—Heavy grey iron castings, strongly braced, built to stand the most severe handling. Consists of base, flask and lever device for withdrawing the division plates. Flask is made with polished steel division plates, which are machined into one inch castings at the back. There are grooves at the front for holding the division plates in place. The mould is locked by means of two end levers. Plain wood pallets are used which anyone can make. Sample wood pallet is furnished with each machine.

Outfit—Tamper, sample wood pallet and steel striker for leveling the top after tamping, are furnished with the six brick machine.

Capacity and Size of Brick—Standard size brick, 2⅛x4x8¼ in. are made. Every brick will be uniform in size and perfect in shape, having sharp corners and edges. The capacity of six brick machine is 1500 to 1800 brick per day.

Operation—We furnish a complete book of instructions with each machine, which gives detailed information on all subjects regarding concrete. With these instructions anyone can make good concrete brick. The operation of these machines is very simple. A plain wooden pallet is placed on the bed of the machine, the mould locked by drawing the hand lever towards the operator, the end levers placed and the mould filled and tamped.

Fancy Face Plates—We illustrate above styles of the various fancy face plates which can be furnished with each machine. These face plates are dropped into the machine and the material tamped on top of them.

We do not furnish face plate attachment with this machine. When making fancy brick, it is necessary to leave them on the fancy face plate until hard enough to remove, which is about twelve hours. It is necessary with this machine to have enough fancy face plates for the number of bricks of fancy design that are to be made in one day.

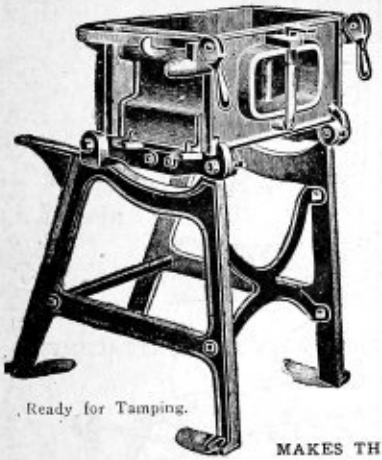
Pallets—It is desirable to use lumber with cleats on the back, which prevents the board from warping and forming irregular shaped bricks.

No. 261-SB—Six brick machine complete, w't 170 lbs.★	each	$39.00
No. 262-BOP—Fancy face plates for either machine, w't 3 lbs.★	each	.60
No. 263-BOP—Fancy end plates for either machine—see above—and always order by number, w't 1½ lbs.★	each	.48
No. 263½—Extra mallet tamper, head 4x4 in., wedge end 2x4, w't 10 lbs.★	each	1.80

Cost of Concrete Brick—The cost of making concrete brick is about $5.50 per thousand. The comparative cost of clay brick is $6.00 to $8.00 per thousand and as high as $17.00 is charged for pressed brick. Concrete has every appearance of pressed brick when made on the polished steel pallet. The profits in this line are attractive and every block-making plant should be equipped with such a machine. The making of concrete brick is so easy that they can be made anywhere, saving freight and selling for a higher price than common clay brick. They are justly popular because they are handsome in appearance, cheaper, more durable and better in every respect, becoming harder with age and being indestructible by fire, requiring no expense firing or machinery. Clay brick chip easily, and must be handled with extreme care to avoid a large percentage of breakage. The use of concrete is endorsed by engineers and architects everywhere and is desirable in every way. Our ten brick machine will make as many brick as any plant can take care of and will not require any expensive repairs. Masons prefer our brick because they are easy to lay and make a smooth wall. A couple of boys will make brick as fast as a mason can lay them and equipped with this machine the contractor, mason, builder or farmer is entirely independent of the brick manufacturer.

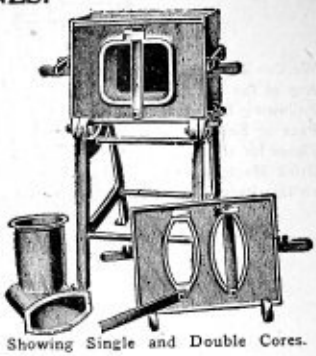
★*FOR FACTORY SHIPMENT ONLY.*

LEADER FACE-DOWN CONCRETE BLOCK MACHINES.



Ready for Tamping.

Makes the Blocks Face Down, Single or Double Core, Most Adjustable and Convenient, Inexpensive Block Machine Made. Makes 100 to 200 Blocks Per Day. Operated by One, Two or Three Men.



Showing Single and Double Cores.

MAKES THE FOLLOWING STYLES OF BLOCK



Principle—Blocks are made face down and removed in their natural position as they lay in the wall. By this method it is possible to use a better grade of concrete for the face of the block and coarser material for the remainder. This secures a block much more attractive in appearance and at less expense. By this method it is possible to use coloring material,—securing brown, black, gray, slate, red, white and various other colors at little expense over the regular block.

Construction—Heavy gray iron, 22 inches high, base 18 in. x 23 in. Frame strongly braced to withstand jar from tamping. Face plates made of close grained castings. Machine consists of frame and flask. Flask consists of core plate, back plate, two end plates, face plate and levers to hold the flask together. All plates are fastened to the face plate, which in turn is fastened to the base by rocker bearings. The locking device consists of a lever fastened to the back plate and an eccentric lever at the end, by means of which it is possible to partially lock the mould and to adjust the end plates or pallet before fully locking.

Cores—Machine is made with either single or double core. Unless otherwise specified, we ship single core. The cores are inserted in the core plate, as shown in the illustration above. Cores are held in place by means of a lever, and are removed by hand vertically after the flask is turned.

Extra Flasks—This machine is adjustable to three different sizes. At a slight additional cost we can furnish extra flask attachments for changing machine to make blocks of another size. In this way it is not necessary to buy an entirely new machine for a change in size of blocks. Flask attachments are fully described on page 199.

Pallets—Plain wooden pallets are used. These are made by cutting common lumber to the proper size and nailing cleats on the back. Anyone can make these pallets using the sample furnished with the machine, as a pattern.

Sizes and Kinds of Blocks—The regular outfit furnished with each machine makes all of the blocks shown on page 200. On page 199 we illustrate the various attachments for this machine. Page 200A shows the large range of faces which can be made when using the various face plates.

Outfit—We furnish the following outfit free with each machine.

No. 1—One rock face plate for full size blocks.

If other than Rock Face is desired we give option of any face plate shown on page 200 or 200A, numbers 11 to 31 inclusive.

No. 2—One rock face plate for one half and two quarter size blocks.

No. 3—One interchangeable rock end plate.

No. 4—One pair core end plates.

No. 5—One pair dividing plates for fractional size blocks.

No. 6—One gable block dividing plate.

No. 7—One pair joist block attachments.

No. 8—Plugs for making solid blocks without cores.

No. 9—One striker for levelling the top of the mould.

No. 10—One double end tamper.

No. 11—One sample wood pallet on machine.

Instructions—The operation is so simple that anyone can make good blocks. On actual test 265 blocks were made in one day on this machine. We furnish complete instructions with each machine which explain in detail the operations. We also furnish a comprehensive pamphlet on the making and mixing of concrete which explains all of the processes necessary to make high grade concrete. With these instructions anyone can make concrete articles with but little experience.

For Blocks, Sizes. For attachments see page 199.	8x8x16 in. No.	Wt. lbs. Each.		8x10x16 in. No.	Wt. lbs. Each.		8x12x16 in. No.	Wt. lbs. Each.	
*Leader Block Machine Complete★....	201	175	$22.80	202	200	$30.00	203	225	$33.60
Flask Attachments, Single Core★....	204	110	12.60	205	135	13.50	206	145	16.50
Flask Attachments, Double Core★....	204D	115	12.60	205D	140	13.50	206D	150	16.50
Four inch Course Block Attachments★	207	50	12.00	208	60	13.00	209	70	14.00
Four inch Course Dividing Plates★..	2010	8	.96	2011	9	.96	2012	10	.96
Octagon Bay Window Attachments★	2013	50	6.24	2014	58	7.00	2015	66	8.00
†Circle Bay Window Attachments★..	2016	35	5.40	2017	40	5.70	2018	45	6.00
Extra Face Plates, any design★.....	2019	18	2.16	2019	18	2.16	2019	18	2.16
Extra End Plates, any design★.....	2020	8	1.08	2021	9	1.08	2022	10	1.20
†Silo Block Attachments, Rock face★	2023	100	14.40	2024	110	15.60			
Extra Tampers, size head 3x3 in., size wedge, 3x3½ in.★.....	201½	5	1.50	201½	5	1.50	201½	5	1.50

*Note.—Unless otherwise ordered we always ship Rock face with every machine or attachment.

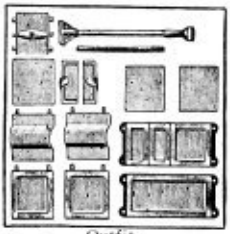
†For Circular Bay Window and Silo Attachments please specify diameter.

★*FOR FACTORY SHIPMENT ONLY.*

CONCRETE MACHINERY.

IMPROVED FACE-DOWN BLOCK MACHINES.





Outfit.

We furnish the following outfit free with each machine.

No. 1—One rock face plate for full size blocks.

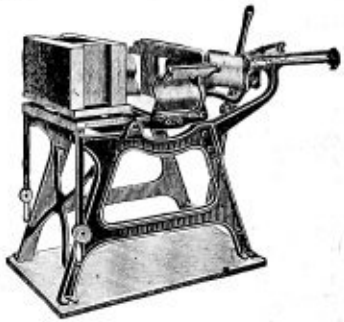
If other than rock face is desired we give option of any face plate shown on pages 200 or 200A, numbers 11 to 31, inclusive.

No. 2—One rock face plate for one half and two quarter size blocks.

No. 3—One interchangeable rock end plate.

No. 4—One pair core end plates.

No. 5—One pair dividing plates for fractional size blocks.



The plates all move away from the block.

No. 6—One gable block dividing plate.

No. 7—One pair joist block attachments.

No. 8—Plugs for making solid blocks without core.

No. 9—One striker for leveling the top of the mould.

No. 10—One double end tamper.

No. 11—One sample wood pallet.

ABOVE OUTFIT MAKES THE FOLLOWING STYLES OF BLOCKS.



The Highest Development of Horizontal Core Machine, Makes the Blocks Face Down, Perfect in Mechanical Construction, Entirely New and Original Method of Core and Block Removal, Makes 150 to 300 Blocks in a Day, Operated by One, Two or Three Men.

Construction—Heavy gray iron, 22 in. high, base 18x30 in. Frame strongly braced to withstand jar from tamping. Face plates made from close grained castings. Machine consists of frame, flask and lever device for removing the cores. Mould is locked by a lever fastened to the back plate and an eccentric lever at the end, which permits of partially locking the mould, making adjustment of the pallet easy. Core device consists of two arms fastened to the base of the machine. Two steel guides draw the cores in a true straight line from the mould by means of a hand lever. The lever works in machined ways. All cores and levers work smoothly and without jar.

Cores—Machines supplied with either single or double core. Unless otherwise specified, we ship single core.

Extra Flasks—Machine is adjustable to three different sizes. At a slight additional cost we can furnish extra flask attachments for changing machine to make blocks of another size. This avoids the necessity of purchasing an entirely new machine for a change in size of blocks. Flask attachments fully described on page 199.

Pallets—Plain wooden pallets are used. These are made by cutting common lumber to the proper size with cleats nailed on the back. Anyone can make them, using the sample furnished with the machine as a pattern.

Sizes and Kinds of Blocks—The regular outfit furnished with each machine makes all of the blocks shown on page 200. With the various attachments shown on page 199, a large range of sizes and styles of blocks can be made.

Principle—This machine has not only all of the advantages of the face-down machines, using wetter mixture, making better looking faces and using less cement, but also the advantage of cores being removed by lever, increasing efficiency of the machine at least 30 per cent. This lever centralizes the control so that all of the work can be done in one spot. The result is more and better blocks in a day. Every operation is performed at one side of the machine, including locking and unlocking the flasks, tamping, removing the cores and withdrawing the block.

Instructions—The operation of this machine is very easy and very speedy. 300 blocks a day were made on test. We furnish full directions for operation with each machine, also a complete pamphlet explaining every step necessary in the manufacture of all kinds of concrete articles. This book will save the expense incidental to mistakes.

For Block, Sizes For attachments, see page 199.	8x8x16 in. No.	W't, lbs.	Each		8x10x16 in. No.	W't, lbs.	Each		8x12x16 in. No.	W't, lbs.	Each	
*Improved Block Machine Complete★	151	320	CCAJ	$55.20	152	350	CCFJ	$60.00	153	375	CHIJ	$64.80
Flask Attachments, Single Core★	154	125	JIFJ	16.00	155	140	AJBJ	17.00	156	155	AADJ	19.00
Flask Attachments, Double Core★	154D	125	JIFJ	16.00	155D	140	AJBJ	17.00	156D	155	AADJ	19.00
Four Inch Course Block Attachments★	157	55	JGBJ	12.00	158	65	JGHJ	13.00	159	75	JHDJ	14.00
Four Inch Course Dividing Plates★	1510	8	EG	.96	1511	9	EG	.96	1512	10	EG	.96
Octagon Bay Window Attachments★	1513	60	CGE	6.24	1514	66	DBJ	7.00	1515	72	DHJ	8.00
†Circle Bay Window Attachments★	1516	35	CAE	5.40	1517	40	CDE	5.70	1518	45	CFJ	6.00
Extra Face Plates, any design★	1519	18	ACJ	2.16	1519	18	ACJ	2.16	1519	18	ACJ	2.16
Extra End Plates, any design★					1521	10	JFE	1.08	1522	11	JGE	1.20
†Silo Block Attachments, Rock Face, diam. 14 ft.★	1520	9	JFE	1.08	1524	110	AAHJ	19.80	....	...	.....	....
Extra Tampers, size Head 2½x2½ in., size Wedge 2½x⅝ in.★	151½	5	JIJ	1.50	151½	5	JIJ	1.50	151½	5	JIJ	1.50

*Note. We always ship Rock Face unless otherwise ordered with every machine or attachment.
†For Circular Bay Window and Silo Attachments always specify whether 6, 7 or 9 foot radius is desired.
★*FOR FACTORY SHIPMENT ONLY.*

SUPPLEMENTARY ATTACHMENTS FOR "LEADER" AND "IMPROVED" BLOCK MACHINES.

Prices and Sizes Shown Under Each Machine, Pages 198C and 198D.



Four Inch Course Block Attachment—Heavy gray iron, consists of two face plates, two end plates, two center dividing plates and four small sectional dividing plates. Plate "A," with division plate "D" and four sectional plates "F" will make two blocks 8 in. long, 4 in. high, and four blocks, 4 in. long and 4 in. high at one time. The division plates slip into the mould in the position in which they are shown in the illustration.



Four 4 in. and Two 8 in. Blocks made at one time.

Face plate "B" with special core dividing plate "E" will make two blocks 16 in. long, 4 in. high at one time, with special core centers.

Core ends "C" are slotted, to permit of inserting the division plates and also to hold them absolutely vertical.

Face Plates—We can furnish Plain, Rock, Panel, and Tooled Face Plates.—See page 200A. Unless otherwise specified, we ship Rock Face.



Octagon Bay Window Attachmment—Heavy gray iron, consists of face plate "A" 12 in. long, face plate "B" 4 in. long, and stop-off plate "C," which is 8, 10, or 12 in. long according to the size of the machine.

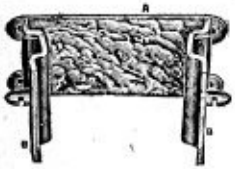
This Attachment is adjustable by means of a set screw located on face plate "A" to any angle from 30 to 80 degrees, making the necessary blocks for any bay window.

Face Plates—We can furnish this attachment in Rock and Panel Faces. Unless otherwise specified, we ship Rock Face.



Octagon Bay Window Block.

Inside Angles—This attachment does not make inside angle blocks. No attachment is necessary for this purpose at the proper shape blocks can be made with the gable dividing plate, furnished free with each machine. See page 200 for cut of inside corner bay window block.

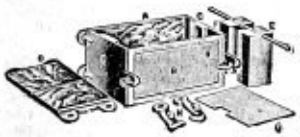


Circle Bay Window Attachment—Consists of circular face plate "A" and two core ends "B." Can be furnished for 6, 7, 8, or 9 ft. radius. The two core ends are held at the proper angle by special lugs which are longer than those furnished on the regular machine.

Face Plates—We can supply Rock face design only. Always state radius of circle wanted.



Circle Bay Window Block.



Silo Block Attachment—Consists of face plates "A" and "B," two end plates "C," back plate "D," special center cores "E," Dove-tailed end cores "F," dividing plate "G" and Rocker bearings "H."

When attached to machine, the rocker bearings "H" are substituted for those on the regular machine. Face plate "A" or "B" is then fastened to the Rocker bearings, then cores "F" placed, back plate put into position, and locked by means of the end levers. Face plate "B" and dividing plate "G" are for making two half size blocks. Dove-tail end cores "F" are withdrawn by means of small hooks, and center cores are simply lifted out.



Dove Tail Silo Block.

Face Plates—We can furnish Rock Face desgin only.

Diameters—We can furnish attachments for 12, 14, 16 and 18 ft. diameter. Always state diameter desired.



Single Core, Double Core.

Flask, or Mould, Attachment—Heavy gray iron, furnished with either single or double core. Consists of core plate "A," end cores "B," sample wool pallet "C," two end levers "D," special center cores "E" and levers "F" for holding the cores in position. For the "Improved" Machine, a special core plate is furnished for attaching to the levers. As the same face plate is used for all size blocks, no face plate is furnished with extra flask attachment. Everything is provided to make entire change from one size block to another. Two Rock face End Plates are furnished, as these vary with the size of the block.

FOR PRICES, SEE LIST UNDER EACH MACHINE.

STYLES OF REGULAR CONCRETE BUILDING BLOCKS

The Regular Outfit Furnished with Each Block Machine Will Make all of the Following Blocks.



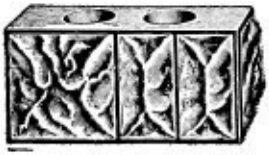
16 inch Deep Rock.



8 inch Deep Rock.



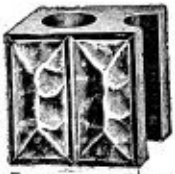
4 inch Deep Rock.



16 inch Broken Ashler.



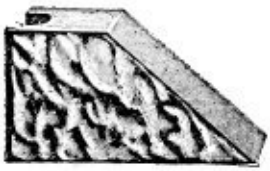
12 inch Broken Ashler.



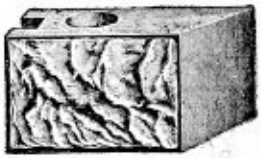
8 inch Broken Ashler.



Joist Block.



Gable Block.



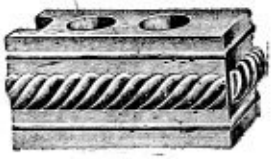
Inside Corner Bay Window Block.

STYLES OF SPECIAL CONCRETE BUILDING BLOCKS.

Can Furnish Supplementary Face Plates in any of the following Designs at a Slight Additional Cost for Any Block Machine on page 198C and 198D.



Whirlwind Scroll.



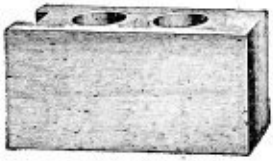
Rope.



Cobblestone.



Tooled Margin Rock.



Plain.



8 inch Tooled Margin Block.

ALWAYS ORDER BY NUMBER, GIVING BOTH NUMBER OF FACE PLATE AND NUMBER OF BLOCK MACHINE.

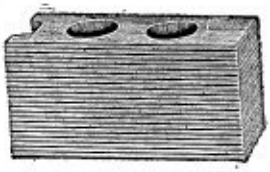
Prices shown under each block machine, page 198C *and* 198D.

STYLES OF SPECIAL CONCRETE BUILDING BLOCKS.

We Can Furnish Supplementary Face Plates in any of the following Designs at a Slight Additional Cost for any Block Machine on pages 198C and 198D.



Style A. Broken Ashler.



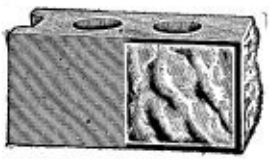
Tooled Face.



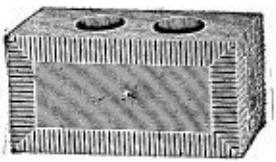
Medium Rock.



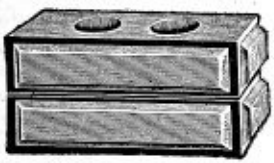
Style B. Broken Ashler.



Inside Corner.



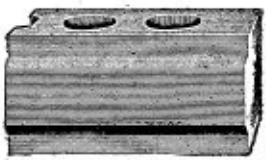
Tooled Margin Bushhammer.



4 inch Panel.



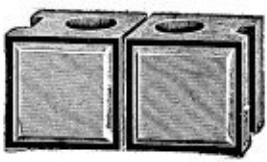
Deep Rock.



Water Table.



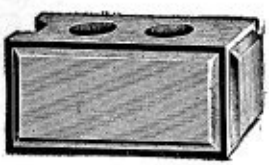
4 inch Rock Ashler.



8 inch Panel.



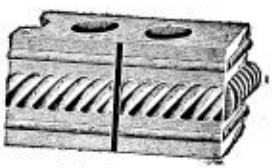
Style C. Broken Ashler.



Panel.



Style D. Broken Ashler.



8 inch Rope.

ALWAYS ORDER BY NUMBER, GIVING BOTH NUMBER OF FACE PLATE AND NUMBER OF BLOCK MACHINE.

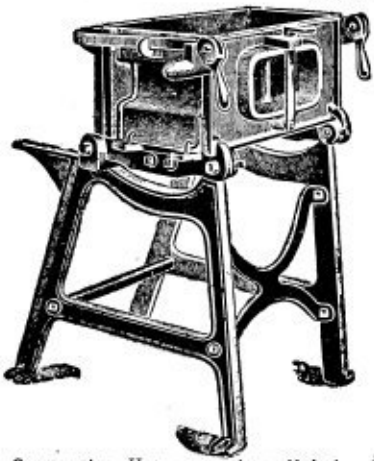
Prices shown under each block machine, pages 198C *and* 198D.

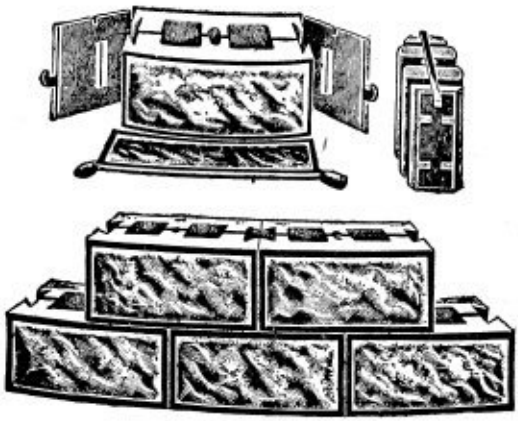
CONCRETE MACHINERY.

DOVETAIL SILO BLOCK MACHINES.

Either Mounted or Unmounted.

Make Triple Reinforced Silos. Every Block and Every Tier Firmly Bound Together. Concrete Silos are Endorsed by United States Department of Agriculture.





View of Silo Blocks.

Construction—Heavy gray iron, 22 inches high, base 18x23 in. Frame strongly braced. Face plates made of close grained castings.

Machine consists of base and flask. Flask consists of face plate, back plate, two end plates, two dove-tail end cores, two special center cores. End plates are attached to the face plate, which is attached to rocker bearings. These bearings are fastened to the frame and are for the purpose of swinging the plates backward. The back plate—nearest the operator—is fastened in place by means of two end latches, attached to the end plates.

Outfit—We furnish the following outfit free with each machine—

No. 1—One rock face plate for full size blocks.
No. 2—One rock face plate for half size blocks.
No. 3—Dividing plate for half size blocks.
No. 4—Special center cores.
No. 5—Special dovetail end cores.
No. 6—Striker for leveling the top of the mold.
No. 7—Double end tamper.
No. 8—Sample wood pallet.

Cores—This machine is made with double cores. The end cores are "dovetail" shape and slip into notches on the end plates. Special center cores are furnished with a small round core between the two larger ones.

Extra Flasks—We furnish this machine for making two sizes of blocks, either 8x9x16 or 8x10x16 in. for the mounted machines and 8x9x16 in. for the unmounted machines, or can furnish extra plates for changing one size machine to another. We can also furnish flask attachment for changing this machine into oblong block machine. This attachment would consist of complete outfit as furnished with the Leader block machine—page 198E—with the exception of the base.

Pallets—Plain wooden pallets are used with the mounted machine. With the unmounted machine no pallets are necessary, as the blocks can be made on any smooth floor or surface. Wooden pallets can easily be made by any one, by cutting common lumber to the proper size and nailing cleats on the back. A sample pallet is furnished with each machine.

Diameter of Silos—We can furnish machines to make blocks for any of the following diameters—12, 14, 16, and 18 foot. Size depends largely on the number of cattle that are to be fed. The silo should be small enough so that a complete layer will be taken from the top each day. Always state the diameter desired.

Concrete Silos are Best—Concrete has been put to the test and is the best material to be found for this purpose. Wood decays, iron is expensive and soon rusts and stone is too expensive. Concrete will not warp, will not rot from the acid in the ensilage, needs no repairs and is everlasting. Wood silos are undesirable, because they warp and shrink during the hot summer months, requiring frequent tightening of the hoops to avoid collase. A first-class complete concrete silo, including the roof, can be made for $225.00 to $250.00, 16 feet in diameter and 30 feet high. The first cost of such a silo is the last cost, and furnishes a fire-proof structure in every way.

Instructions—The operation of this machine is practical as well as rapid and easy. After the machine is closed and locked, the cores are placed and the mold is filled, tamped and leveled off. The center cores are removed by grasping the lever to which they are attached and drawing them upward. The cores are slightly tapered to permit of easy removal. The dovetail end cores are removed by drawing them out with hooks provided for that purpose.

Principle—The object of the dove-tail cores, is to form a wall which will be sufficiently strong to withstand the lateral strain which is quite severe in any silo. The illustration of the blocks above will show how these dovetails come together. When the blocks are laid, these openings are filled with soft cement, which makes a continuous circular wall. When one tier of blocks is laid on another, this dovetail opening comes just above the small round opening in the center of the block below. When this is filled with soft cement, it makes a solid wall of the entire structure, firmly binding all blocks together, as well as every tier. Each block has a small groove across the center of the top. This space is for the purpose of inserting reinforcing wires. The lateral strain is so great in a 30-foot silo, 330 pounds to the square foot, that it is advisable to reinforce every two or three layers of blocks. This is accomplished by using two strands of No. 9 twisted galvanized wire, placing it in the grooves and drawing it up taut.

With each machine we furnish free "Silo Plans and Specifications" so that any one can make a concrete silo at his own convenience and with his own help. We also furnish a book of instructions which explains carefully all of the steps necessary to make good concrete.

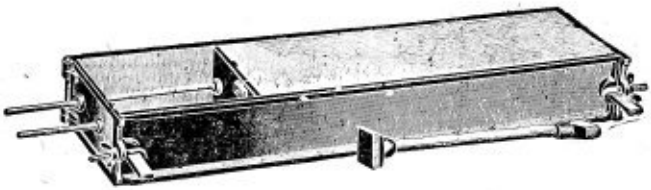
For Blocks, Sizes,	8x9x16 in. No.	W't	Price	8x10x16 in. No.	W't	Price
Silo Block Machine, Mounted	231	160	ABIE $21.60★	234	165	ACCJ $22.20★
Extra Face Plates, Plain or Rock design	232	15	AHJ 3.00★	233	15	AHJ 3.00★

★*FOR FACTORY SHIPMENT ONLY.*

CONCRETE MACHINERY.

ADJUSTABLE SILLS AND CAP MOULDS.

For Making Sill Caps, Lintels, Steps, Water Table Blocks, Slabs, Etc.



Construction—Gray iron castings, reinforced at all joints and edges. Mould is 5 ft. long and 16 in. wide. Consists of front plate, back plate, two end plates, one stop off plate and two stop off rods, three feet long. Face plate is fastened to the end plates by means of thumb screws. End plates are hinged to the back plate. Both end plates have notches at the top and bottom into which the face plate is set for the different widths. The left end plate has two holes through which the adjustable rods pass and can be set to any length by means of a collar and set screws on the inside. Special tamper furnished with each machine. Mould is adjustable to three different widths, 10, 12 and 14 inches, and 8 inches high. Also adjustable to any length from 2 to 5 ft.

Extra Face Plates—Unless otherwise specified, we furnish plain face, but can furnish any of the following designs at a slight additional cost, or any one of them free, in place of the regular plain face.

No. 1—Rock face with tooled margin.
No. 2—Horizontal tooled face.
No. 3—Bushhammer face with tooled margin.
No. 4—Vertical tooled face.
No. 5—Panel face.
No. 6—Whirlwind scroll.

Reinforcing—It is advisable to use reinforcing for steps, slabs, etc., where they bear considerable weight. In an open mould of this kind, the reinforcing is very easily placed. Woven wire, angle iron, chains, old rods, and material of like nature, laid lengthwise, can be used.

No. 291 —Adjustable sill and cap mould, complete, w't 170 lbs.★ ..... each **ABFJ** $21.00
No. 292 —Extra face plates, styles 1 to 6, w't 55 lbs.★ ..... each **DCJ** 7.20
No. 292½—Extra tampers, 4½x4 in. head, 4x1 in. wedge end, w't 10 lbs.★ ..... each **AEJ** 2.50

WELL CURBING MOULDS.

Suitable Also for Making Supply and Water Tanks, Keeps the Water Pure and Sweet, Prevents Caving and is Everlasting.

Construction—Heavy gray iron. Mould consists of front and back plate, circle end and key end. The two ends are hinged to the back plate and the face plate is fastened by means of two latches.



Pallets—No pallets are required When desired, pallets may be used, smooth floor or other surface. as the blocks can be made on any These are made of common lumber, cut to the proper size, with cleats on the back to prevent warping.

Sizes—We can furnish any of the sizes, diameters, shown below. It will be noticed that the length varies for the different diameters. The purpose of this is to have blocks of the proper length, to avoid the necessity of using fractional size blocks to complete the circle. Plain face blocks only can be made.

Principle—The blocks are made with one circle end and one key end. When these are laid together a small space is left for mortar, and when this is filled, the curb will stand a very great lateral strain.

Instructions—With each mould we furnish instructions as to the proper method of mixing and making concrete which explain also the process of making these blocks. Everything is provided so that the blocks can be made by anyone.

Prices on Well Curbing Moulds.

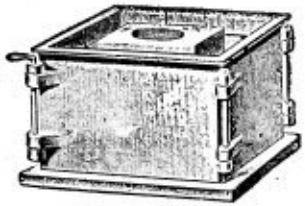
No.	Diam.	Length	Height.	Thickness.	lbs. W't.	Price.	
371	3 ft.	14 in.	7¼ in.	3⅛ in.	50	DAJ	$6.80★
372	4 ft.	14 in.	7¼ in.	3⅛ in.	56	DBE	7.10★
373	6 ft.	14 in.	7¼ in.	4⅛ in.	62	DEE	7.60★
374	8 ft.	16 in.	7¼ in.	4⅛ in.	75	EJJ	8.30★



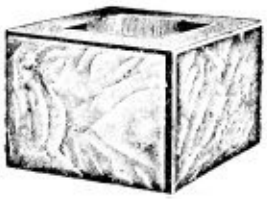
★*FOR FACTORY SHIPMENT ONLY.*

CONCRETE MACHINERY.

CHIMNEY, PIER OR GATE POST MOULDS.



Showing Mould with Core in Position.



Showing Finished Block.



Suggestion for Chimney, Showing Various Designs of Faces.

Construction—The moulds are made of heavy gray iron castings, nicely fitted together with hinges on one side and levers on the other. A core is furnished with each mould, slightly tapered to permit of easy removal.

Pallets—Plain wooden pallets are used. Common lumber of good thickness with cleats nailed on the back answers for this purpose. These blocks can be made on any smooth floor without the use of pallets.

Chimney Blocks—Concrete is, without doubt, the best material for chimney blocks, standing intense heat without cracking. It is safer and cheaper than brick.

Piers—For pier blocks this mould is unsurpassed. Pier blocks when made of concrete can be laid in damp earth with every assurance that the dampness will not affect them in any way. The blocks can either be made hollow or solid.

Gate Posts—Combined with our fancy ball mould some very handsome gate posts can be produced and the effect will be everything desired.

Porch Columns—For porch columns, a mould of this kind is indispensable. Our rock face designs are especially recommended. They are deep cut and have every appearance of cut stone.

Designs—We can furnish 8 in. in Rock Face only, 10 in. in Rock or Panel Face, 12 in. in Rock, Panel or Plain Face, and 14 and 16 in. in Rock, Panel, Plain or Brick Face.



Pier and Ball Moulds Make Fine Looking Gate Posts.

WE SHIP ROCK FACE UNLESS OTHERWISE SPECIFIED.

	Size.	Height.	Core.	Weight.	Each.		Size.	Height.	Core.	Weight.	Each.
No. 3710	8x8 in.	7¼ in.	4x4 in.	35 lbs.	CIE $6.60★	No. 3713	14x14 in.	7¼ in.	7x7 in.	60 lbs.	DGJ $7.80★
No. 3711	10x10 in.	7¼ in.	5x5 in.	44 lbs.	DCJ 7.20★	No. 3714	16x16 in.	7¼ in.	8x8 in.	70 lbs.	DGE 8.64★
No. 3712	12x12 in.	7¼ in.	6x6 in.	55 lbs.	DEJ 7.50★						

FANCY BALL MOULDS.



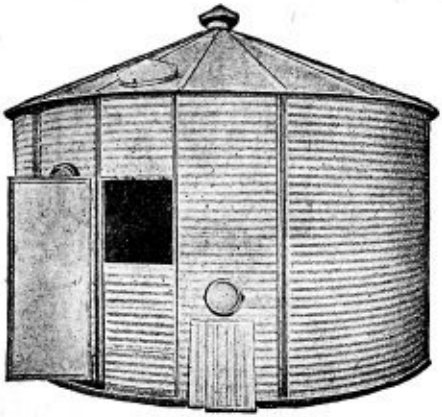
Fancy Ball.

Concrete Ball Moulds have done much to add to the harmony and pleasing effect of concrete construction. This design is one which lends itself readily to many varied purposes. The moulds are of the best gray iron, cast in four sections and are bored to templets so as to fit evenly and to draw well.

	Diam. of Base.	Diam. of Ball.	Total Height.	Weight.	Each.
No. 441	12 in.	9½ in.	12 in.	60 lbs.	JHAJ $13.50★
No. 442	14 in.	11 in.	14 in.	75 lbs.	JIJJ 15.00★

★*FOR FACTORY SHIPMENT ONLY.*

AJAX GRAIN BINS.



1000 Bushels.



500 Bushels.

No. 1000-A—1000 bushel capacity, diam. 14 ft. 6 in., height 8 ft., w't 1600 lbs., for complete description, see below, each★ $210.00

No. 500-A—500 bushel capacity, diam. 10 ft., height 6 ft., w't 1000 lbs.★ ..... each 150.00

NOTE—500 bushel Ajax Grain Bin is made under the same specifications as the 1000 bushel. It is smaller in size and has a smaller door, which is made of cast iron and has a clearance of 20x22 in. It also has a port hole in the center of it, with sliding gate.

The body is made of 24 gauge galvanized corrugated iron and is made in seven complete sections with special interlocking joints. These jointings are made with 16 gauge galvanized angles, one flange of this angle is corrugated to fit the body and is securely riveted to the body of each section. Two of these angles make up each joining and are placed back to back and they are secured with eight heavy machine bolts.

The bottom is made up of heavy galvanized iron and is shipped in large sections, all being correctly fitted and marked. They have a heavy 16 gauge galvanized angle around the entire outside edge.

The door is made of heavy galvanized iron and is of hollow metal construction. The door frame is constructed of 1½ in. angle iron which makes it substantial and durable. A heavy wrought iron strip is inserted across the bottom of the door frame which prevents spreading of the door frame. This large door permits of easy access to the Grain Bin and the bin can be used for storage purposes when not used for grain. This door also enables the removal of sacks of grain.

The roof of the Ajax Grain Bin is an important feature. It is made of heavy galvanized iron. All joints are interlocking and absolutely storm-proof. All joints are put together without the use of rivets, bolts or other fastenings which might cause leaks. The roof is made in twenty sections and each section has a 1 in. continuous hollow tube formed on each edge of it. All roof sections are held together by means of cap pieces which are made with two 1 in. continuous hollow tubes. These tubes telescope into the tubes which are part of the main roof sections. The roof is conical in shape and is held at the right height and pitch by a hollow wrought iron center post which is attached to roof flange, this makes the roof construction doubly substantial. The center post has a threaded bearing so that the roof can be raised or lowered at will when erecting.

The No. 1000-A Bin has been tested with 60,000 pounds gross weight of grain, put in under pressure.

Every Grain Bin is guaranteed to hold its full contents of wheat, oats, barley or flax.

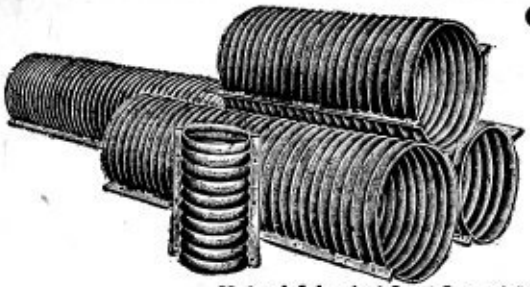
TORNADO INSURANCE POLICY WITH EVERY GRAIN BIN.

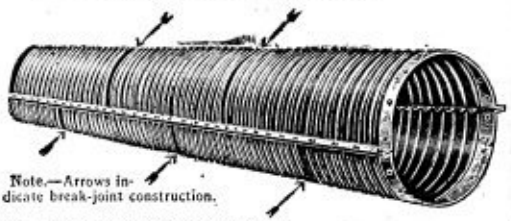
All Bins Fitted with Guaranteed Weatther-Proof Roof and Improved Ventilator.

SHIPPED KNOCKED DOWN.

★*FOR FACTORY SHIPMENT ONLY.*

CORRUGATED GALVANIZED NESTABLE CULVERTS.





Note.—Arrows indicate break-joint construction.

Made of Galvanized Ingot Iron, of Special Analysis for Culvert Purposes.
In 48 Inch Lengths, Each Length Consisting of a Top and Bottom Nestable Flanged Section.

Diameter, In.	Gauge Iron.	Approx. w't per ft., lbs.	Water Carrying Capacity Cap. Gals. per Min., Slope 1 ft. Fall in 100 ft.	Cap. Gals. per Min., Slope2 ft. Fall in 100 ft.	Cap. Gals. per Min., Slope 3 ft. Fall in 100 ft.	Per Foot.	
6	18	6	.....	.....	.....	F J	$0.75★
8	16	8	650	800	1100	G J	.90★
10	16	9	1000	1400	1750	J H E	1.05★
12	16	11	1503	2125	2598	J I E	1.20★
15	16	14	2800	4000	4800	A B E	1.55★
18	16	17	4580	6480	7930	A D E	1.80★
20	15	20	6000	8400	9900	A G E	2.20★
24	15	23	10000	14000	15000	B B J	2.75★
30	15	30	18460	25100	27000	B F E	3.30★
36	14	39	30300	41000	44000	C C J	4.15★
48	14	51	65700	92900	97000	D F J	5.75★
48	12	69	65700	92900	97000	F D E	8.05★
60	12	85	119400	158600	168000	G C E	9.20★
72	12	105	193000	274000	275000	J I F J	12.00★

Always specify the exact length of each culvert wanted for the following reasons—

1st—Made of 48 inch lengths, with one 28 inch length furnished for each culvert to make the break joint construction. —See rules for applying.

2nd—The end of each culvert is reinforced with a 7-16x1½ inch half oval galvanized iron band.

The lower half of the pipe is made with a horizontal flange with an outer vertical flange to receive the flange of the upper or top half. These flanges are punched to receive galvanized machine bolts and when bolted together makes the strongest, cheapest and most efficient culvert pipe on the market.

"Knocked Down" Culverts require no extra flanges or bands, have less joints and require less labor to put togehter than any other culvert made. Owing to the construction of this pipe, any length can be put together as readily in the field as in the factory.

Culverts nest closely together when packed for shipment, consequently a much larger stock of culvert pipe may be carried in less than half the space required for the ordinary style culvert—this makes it possible to secure the lowest rate of freight. Takes third class rate in less than carloads, and fifth class in carloads.

The factory guarantees these culverts to stand without injury under the strains and usage that a road culvert is subject to and will replace at their expense any part of culvert that fails to give perfect satisfaction after being properly placed in position.

Knocked Down Culverts will not rust, crumble, rot nor crack. Easiest to install. Easiest to transport. Will not wash out nor cave in. Practically indestructible. When once installed the cost ceases and no more attention need be paid to it.

Corrugated culverts are twenty-nine times stronger and will stand a much greater strain than the smooth bore style. They will not crack from freezing, as the corrugations allow for expansion and contraction. Their great strength is due to the heavy gauge of iron used and the reinforced flange-joint construction along both sides of the cylinder, while the break-joint reinforcements serve as still further strengtheners at the point where smooth bore or round corrugated culverts are the weakest.

Directions for Installing.

Made in 48 in. lengths, two halves to each length, with one 28 in. length furnished for each culvert, half of which is to be placed at each end. On even foot culverts the two half pieces are used on top, on odd foot culverts one half is used above and the other below. This produces the break joint construction. For this reason always specify length of each culvert wanted exactly as if ordering set-up culvert.

Culverts are joined by bolting with galvanized bolts which we furnish.

Each end joint is fitted with a ⅞x1½ in. half oval galvanized iron band which thoroughly protects the ends from being in any way jammed.

Lay under 12 inches or more of ground. Make bed of ditch smooth so that part of Culvert to be covered will rest on the bottom. Lay culvert in place and tamp earth well under each side of culvert. Finish with loose earth. Lay culvert so that water will not run against joints. When installing a drainage system of culverts it is sometimes necessary to know how large one culvert should be in order to carry all water running into it from two or more smaller ones. For example, it takes one 24 in. pipe to carry as much water as three 15 in.or thirteen 8 in.culverts, all having the same fall. The following table, computed by a drainage expert, will be foundvery convenient in laying out a drainage system of any extent.

8 in.	10 in.	12 in.	15 in.	18 in.	20 in.	24 in.	30 in.	36 in.	48 in.	60 in.	72 in.
244.	136.	85.	55.6	34.7	26.7	17.6	9.8	6.1	2.9	1.6	1.
148.	82.	51.6	34.4	21.4	16.5	11.	6.1	3.8	1.8	1.	
81.	45.	28.8	19.2	12.	9.2	6.1	3.4	2.1	1.		
39.	21.7	13.6	9.1	5.7	4.4	2.9	1.6	1.			
24.3	13.5	8.4	5.6	3.5	2.7	1.8	1.				
13.	7.2	4.5	3.	1.9	1.5	1.					
9.	5.	3.1	2.1	1.3	1.						
6.8	3.8	2.4	1.6	1.							
4.1	2.4	1.5	1.								
2.9	1.6	1.									
1.8	1.										

In setting them up the sections overlap each other one corrugation, whereupon the bolt holes match A hammer and a wrench are the only tools needed and they cannot possibly be set up wrong.

Note.—We can furnish from factory, Elbows, Crosses and Tees for all sized culverts, prices quoted on application.

★*FOR FACTORY SHIPMENT ONLY, F. O B. DULUTH, MINN.*

Free Advertising Electros



H.S.B.&CO.

REV-O-NOC SEAMLESS Roaster

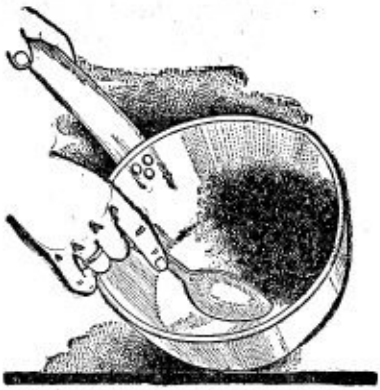
NOT a single joint or opening where grease or dirt can hide and collect. Just think—you can clean it inside and out as easily as a china plate. It is smooth as glass and not affected by any acid whatever.

THE BOTTOM CANNOT TOUCH THE OVEN

and the food will therefore cook without any attention. Put your meat or fowl in a "Rev-o-noc" Roaster, go to church or to your club and you need not worry about a burned dinner.

Dealers name here

No. 405



Cook to dryness one pint of tomatoes. Then over a low fire BURN THE TOMATOES TEN MINUTES. Then pour in boiling water, increase the heat, boil a few minutes and clean out with a wooden spoon. The utensil will not be injured.

Food may be burned in

H.S.B.&CO.

REV-O-NOC Aluminum Utensils

if too much heat is applied; but the burning has no effect whatever upon them.

Dealers name here

No. 406

These single column Newspaper Ads are ready for insertion in your Local Newspaper

Be sure and specify number when ordering.

AGRICULTURAL TOOLS

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

Free Advertising Electros



H.S.B & CO.

REV-O-NOC SEAMLESS Roaster

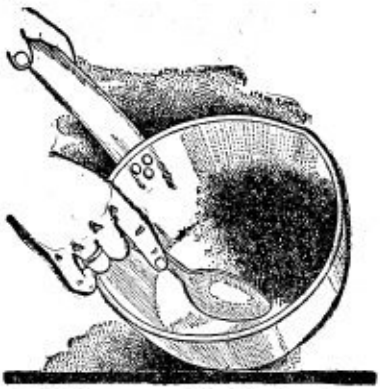
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THE BOTTOM CANNOT TOUCH THE OVEN

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Dealers name here

No. 405



Cook to dryness one pint of tomatoes. Then over a low fire BURN THE TOMATOES TEN MINUTES. Then pour in boiling water, increase the heat, boil a few minutes and clean out with a wooden spoon. The utensil will not be injured.

Food may be burned in

H.S.B & CO.

REV-O-NOC Aluminum Utensils

if too much heat is applied; but the burning has no effect whatever upon them.

Dealers name here

No. 406

These single column Newspaper Ads are ready for insertion in your Local Newspaper

Be sure and specify number when ordering.





AGRICULTURAL TOOLS

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





Use The Quick Index!

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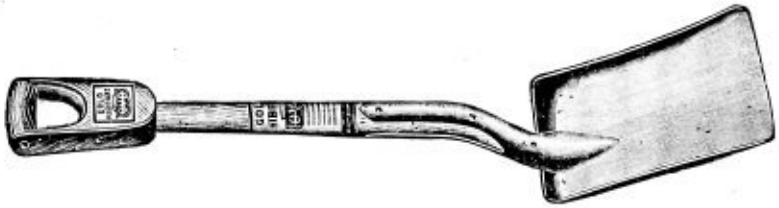
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This Quick Index saves a vast amount of the Dealers time and places every line in the book at his finger tips.



O V B Shovels, page 202, Conover Post Spades, page 208, Ajax Grain Scoops, page 207, Conover Spades, page 203, Emperor Shovels, page 205, Emperor Automobile Shovels, page 205-A.

GOLD HIBBARD SHOVELS AND SPADES.



Gold Hibbard Shovels and Spades are made of the finest steel put into a shovel. The thickness of the blade is graduated so as to secure the greatest efficiency. They are well balanced and perfect in detail. The handles are thoroughly seasoned, well finished and securely riveted. Gold Hibbard Shovels and Spades are largely used by railroads and contractors and give the best of satisfaction. We unhesitatingly recommend them to all those who desire the most efficient tools.

GOLD HIBBARD SHOVELS.



Crucible Steel, D Handle, Square Point, Socket Strap.

No. 11½—Size 2, Gold Hibbard, 9½x11¾ in., black, w't per doz. 70 lbs., per dozen .....**JIGJ** $14.50

No. 12—Size 2, Gold Hibbard, 9½x11¾ in., polished, w't per doz. 62 lbs. .....per dozen **AJBJ** $15.75



No. 11¾—Size 2, Gold Hibbard, crucible steel, D handle, square point, socket strap, 9½x11¾ in., black, with tamping head, w't per doz. 75 lbs., per dozen .....**JIGJ** $14.50



No. 29—Size 2, Gold Hibbard, crucible steel, D handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 60 lbs., per dozen .....**AJBJ** $15.75



No. 42—Size 2, Gold Hibbard, crucible steel, long handle, square point, socket strap, polished, 9½x11¾ in., w't per doz. 64 lbs., per dozen .....**AJBJ** $15.75

ONE-HALF DOZEN IN A BUNDLE.

GOLD HIBBARD SHOVELS.



No. 51—Size 2, Gold Hibbard, crucible steel, long handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 60 lbs., per dozen .....**AJBJ** $15.75



No. 19—Size 2, Gold Hibbard, solid crucible steel, D handle, brick or sewer shovels, socket strap, long corners, black, 11¼x9½ in., w't per doz. 65 lbs. ....per dozen **JIGJ** $14.50

ONE-HALF DOZEN IN A BUNDLE.



No. 38—Size 2, Gold Hibbard, moulders', solid crucible steel, D handle, square spring point, socket strap, polished, 11¼x9½ in., w't per doz. 60 lbs. .....per dozen **AJBJ** $15.75

ONE-HALF DOZEN IN A BUNDLE.

GOLD HIBBARD SPADES.



No. 78—Size 2, German Pattern, solid crucible steel, D handle, socket strap, plain back, polished, 12½x6½ in., w't per doz. 60 lbs., per doz. **AJHJ** $16.75

No. 78½—Long handle, otherwise same as No. 78 ....per dozen **AJHJ** $16.75

ONE-HALF DOZEN IN A BUNDLE.

GOLD HIBBARD SPADES.



No. 112—Size 2, Gold Hibbard, solid crucible steel, D handle, socket strap, polished, 12x7⅛x7½ in., w't per doz. 64 lbs. ....per dozen **AJBJ** $15.75



No. 142—Size 2, Gold Hibbard, solid crucible steel, long handle, socket strap, polished, 12x7⅛x7½ in., w't per doz. 65 lbs., per doz. **AJBJ** $15.75



No. 107—Size 2, Gold Hibbard, hedge, solid crucible steel, D handle, plain back, polished, 12¼x7½x7¾ in., w't per doz. 60 lbs., per dozen .....**AJBJ** $15.75



No. 77.

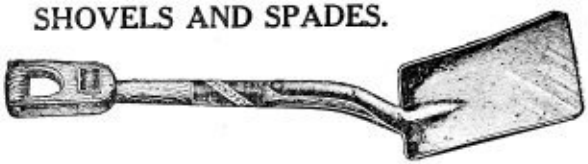
Solid Crucible Steel, Plain Back, Polished, Socket Strap.

No. 77—Size 2, Gold Hibbard, 12x7x7¼ in., T handle, w't per doz. 64 lbs. .....per dozen **AJHJ** $16.75

No. 77½—Size 2, Gold Hibbard, 12x7x7¼ in., D handle, w't per doz. 70 lbs. .....per dozen **AJHJ** 16.75

ONE-HALF DOZEN IN A BUNDLE.

SHOVELS AND SPADES.



C. H. Conover's Shovels and Spades are familiar to every locality. They have acquired a reputation for quality by long years of service. As good "as a Conover" has become the greatest praise for imitations. They are well made, carefully finished and the handles are extra quality. Every C. H. Conover Shovel and Spade is ready for the severest test of actual service.

C. H. CONOVER'S SHOVELS.



Solid Steel, D Handle, Square Point, Socket Strap.

No. 13—Size 2, C. H. Conover's, polished, 9½x11¾ in., w't per doz. 60 lbs., per dozen ..... **J I B J** $13.10

No. 13½—Size 2, C. H. Conover's, black, 9½x11¾ in., with tamping head, w't per doz. 75 lbs., per doz. **J H F J** $13.50

No. 13¾—Size 2, C. H. Conover's, black, railroad, 9½x11¾ in., w't per doz. 68 lbs. .....per dozen **J H F J** $12.00

No. 3—Size 3, C. H. Conover's, black, 9¼x12½ in., w't per doz. 65 lbs., per dozen ..... **J I C J** $12.50

No. 4—Size 4, C. H. Conover's, polished, 10½x12½ in., w't per doz. 68 lbs. .....per dozen **J I I J** $14.10



Solid Steel, D Handle, Round Point, Socket Strap.

No. 30—Size 2, C. H. Conover's, polished, 9¼x12¾ in., w't per doz. 60 lbs., per dozen ..... **J I B J** $13.10

No. 32—Size 2, C. H. Conover's, black, 9¼x12¾ in., w't per doz. 64 lbs., per dozen ..... **J H F J** $12.00

No. 33½—Size 3, C. H. Conover's, black, 9½x13¾ in., w't per doz. 65 lbs., per dozen ..... **J H I J** $12.50



No. 43—Size 2, C. H. Conover's, solid steel, long handle, square point, socket strap, polished, 9¼x11¾ in., w't per doz. 62 lbs. ....per dozen **J I B J** $13.10



No. 57—Size 2, C. H. Conover's, solid steel, long handle, round point, socket strap, polished, riveted cast step, 9¼x12¾ in., w't per doz. 62 lbs., per dozen ..... **A J E J** $15.10

ONE-HALF DOZEN IN A BUNDLE.

C. H. CONOVER'S SHOVELS.



No. 52—Size 2, C. H. Conover's, solid steel, long handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 58 lbs.....per dozen **J I B J** $13.10

C. H. CONOVER'S SPADES.



No. 113—Size 2, C. H. Conover's, solid steel, D handle, socket strap, polished, 7½x12 in., w't per doz. 60 lbs., per dozen ..... **J I B J** $13.10



No 143—Size 2, C. H. Conover's, solid steel, long handle, socket strap, polished, 7½x12 in., w't per doz. 64 lbs., per dozen ..... **J I B J** $13.10

ONE-HALF DOZEN IN A BUNDLE.

HICKORY SHOVELS.



Solid Steel, D Handle, Square Point, Socket Strap.

No. 17—Size 2, Hickory, polished, 9½x11¾ in., w't per doz. 58 lbs., per dozen ..... **J G H J** $10.50

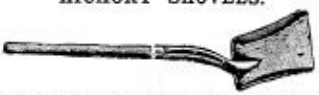
No. 17½—Size 2, Hickory, railroad, black, 9½x11¾ in., w't per doz. 64 lbs., per dozen ..... **G B J** $9.50

No. 17¾—Size 2, Hickory, brick, black, 9½x11¾ in., long corners, w't per doz. 60 lbs. .....per dozen **G B J** $9.50



No. 27—Size 2, Hickory, solid steel, D handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 56 lbs. .....per dozen **J G H J** $10.50

HICKORY SHOVELS.



No. 47—Size 2, Hickory, solid steel, long handle, square point, socket strap, polished, 9½x11¾ in., w't per doz. 58 lbs. .....per dozen **J G H J** $10.50



No. 58—Size 2, Hickory, solid steel, long handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 57 lbs.....per dozen **J G H J** $10.50

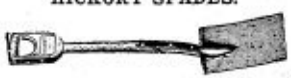
No. 58½—Size 2, light weight, long handle, round point, socket strap, polished, 9¼x12¾ in., w't per doz. 48 lbs., per dozen ..... **J G H J** $10.50



No. 48—Size 2, Hickory, moulder's, solid steel, D handle, square spring point, socket strap, polished, 11½x9½ in., w't per doz. 55 lbs., per dozen ..... **J G H J** $10.50

ONE-HALF DOZEN IN A BUNDLE.

HICKORY SPADES.



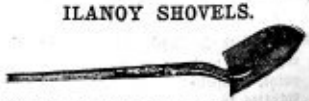
No. 116—Size 2, Hickory, solid steel, D handle, socket strap, polished, 7½x12 in., w't per doz. 58 lbs., per dozen ..... **J G H J** $10.50



No. 146—Size 2, Hickory, solid steel, long handle, socket strap, polished, 7½x12 in., w't per doz. 62 lbs., per dozen ..... **J G H J** $10.50

ONE-HALF DOZEN IN A BUNDLE.

ILANOY SHOVELS.



No. 154—Solid steel, long handle, round point, 8½x11½ in., w't per doz. 50 lbs., per dozen ..... **J G H J** $10.50

ONE-HALF DOZEN IN A BUNDLE.

SHOVELS AND SPADES.

GREENLEAF SHOVELS.



Solid Steel, Square Point, Plain Back, Polished.

WOOD D HANDLE.

Nos.	14	214	314
Size	2	3	4
In.	9½x11¾	10x12½	10½x13
W't, doz., lbs.	55	60	62
Per dozen	$9.50	10.00	10.50
	FIJ	JGBJ	JGHJ



Solid Steel, Round Point, Plain Back, Polished.

WOOD D HANDLE.

Nos.	31	231	331
Size	2	3	4
In.	9¼x12¾	10x13¾	10½x13¾
W't, doz., lbs.	55	58	60
Per dozen	$9.50	10.00	10.50
	FIJ	JGBJ	JGHJ



Solid Steel, Square Point, Plain Back, Polished.

Nos.	44	315
Size	2	4
In.	9¼x11¾	10½x13
W't per doz., lbs	57	64
Per dozen	$9.50	10.50
	FIJ	JGHJ



No. 44½—Size 2, lime, solid steel, plain back, socket strap, 8¾x12 in., round corners, polished, w't per doz. 60 lbs., per dozen .....GBJ $9.50



Solid Steel, Round Point, Plain Back, Polished.

Nos.	53	333
Size.	2	4
In.	9¼x12¾	10½x13
W't per doz., lbs.	55	62
Per dozen	$9.50	10.50
	FIJ	JGHJ



No. 53½—Size 2, solid steel long handle, round point, polished 9¼x12¾ in., riveted cast step, w't per doz. 60 lbs., per dozen .....JHCE $12.00

ONE-HALF DOZEN IN A BUNDLE.

GREENLEAF SPADES.



Solid Steel Point, Plain Back, Polished.

WOOD D HANDLE.

No. 114—Size 2, 7½x12 in., w't per doz. 58 lbs. .....per dozen FIJ $9.50



Solid Steel Point, Plain Back, Polished.

No. 144—Size 2, 7½x12 in., w't per doz. 60 lbs. .....per dozen FIJ $9.50

MIDLOTHIAN SHOVELS.



WOOD D HANDLE.

No. 014—Size 2, 9¼x11¾ in., w't per doz. 55 lbs.....per dozen FJJ $9.50



WOOD D HANDLE.

No. 031—Size 2, 9¼x12¾ in., w't per doz. 55 lbs. .....per dozen FJJ $9.50



No. 044—Size 2, 9¼x11¾ in., w't per doz. 57 lbs. .....per dozen FJJ $9.50



No. 053—Size 2, 9¼x12¾ in., w't per doz. 55 lbs. .....per dozen FJJ $9.50

MIDLOTHIAN SPADES.



WOOD D HANDLE.

No. 0114—Size 2, 7½x12 in., w't per doz. 58 lbs. .....per dozen FJJ $9.50



No. 0144—Size 2, 7½x12 in., w't per doz. 60 lbs. .....per dozen FJJ $9.00

ONE-HALF DOZEN IN A BUNDLE.

LADIES' AND BOYS' SHOVELS.



MALLEABLE D HANDLE.

No. L14—Size 8½x9½ in., length over all 30 in., w't per doz. 45 lbs., per dozen .....FJJ $9.00



MALLEABLE D HANDLE.

No. L31—Size 8x9 in., length over all 30 in., w't per doz. 42 lbs., per dozen .....FJJ $9.00



No. L53—Size 8x9 in., length over all 45 in., w't per doz. 39 lbs., per dozen .....FJJ $9.00

LADIES' AND BOYS' SPADES.



MALLEABLE D HANDLE.

No. L114—Size 6x10½ in., length over all 30 in., w't per doz. 38 lbs., per dozen .....FJJ $9.00

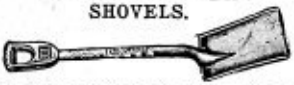
Ladies' and Boys' Shovels and Spades are of the same excellent quality as our Greenleaf brand. They are smaller and lighter, however, for ladies' and boys' garden use.

SHOVELS AND SPADES.

The Emperor is the Lightest Shovel Ever Made of this Pattern.

After years of experimenting our factory has succeeded in making Emperor Shovels and Spades of a special analized High Carbon Steel which give these shovels stiffness and uniform wearing qualities throughout, enabling them considerably to reduce the weight without loss in strength. These goods are finely finished and very attractive in appearance.

CHISHOLM PATTERN SHOVELS.

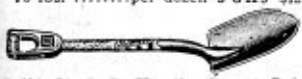


Solid Steel, D Handle, Square Point.
COLUMBUS POLISHED.

Nos.	281	381	481
Size	2	3	4
In.	9½x11¾	9¾x12	10½x13
W't, doz., lbs.	55	58	60
Per dozen	$9.00	9.50	10.00
	FJJ	FFJ	JFIJ

AJAX, SPECIAL RAILROAD, BLACK.

No. 80—Size 2, 10x12 in., w't per doz. 70 lbs. .....per dozen **JGHJ** $12.00

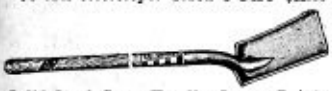


Solid Steel, D Handle, Round Point.
COLUMBUS, POLISHED.

Nos.	282	382
Size	2	3
In.	9½x12¾	9¾x13
W't per doz., lbs.	54	58
Per dozen	$9.00	9.50
	FJJ	FFJ

AJAX, BLACK.

No. 670—Size 2, 9½x12¾ in., w't per doz. 70 lbs. .....per dozen **JGHJ** $12.00



Solid Steel, Long Handle, Square Point.
COLUMBUS, POLISHED.

No. 284—Size 2, 9½x11¾ in., w't per doz. 60 lbs. .....per dozen **FJJ** $9.00



Solid Steel, Long Handle, Round Point.
COLUMBUS POLISHED.

No. 283—Size 2, 9½x12¾ in., w't per doz. 55 lbs. .....per dozen **FJJ** $9.00

ONE-HALF DOZEN IN A BUNDLE.

CHISHOLM PATTERN SPADES.



Solid Steel, D Handle.
COLUMBUS POLISHED.

No. 285—Size 2, 7½x7½x12 in., w't per doz. 55 lbs. ....per dozen **FJJ** $9.00



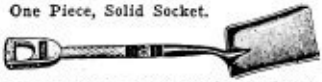
Solid Steel, Long Handle.
COLUMBUS POLISHED.

No. 286—Size 2, 7½x7½x12 in., w't per doz. 60 lbs. .....per dozen **FJJ** $9.00

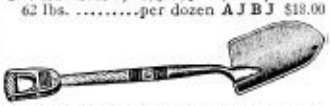
ONE-HALF DOZEN IN A BUNDLE.

EMPEROR SHOVELS.

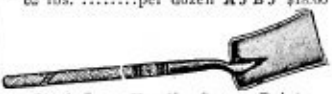
One Piece, Solid Socket.



Steel, D Handle, Square Point, Polished.
No. 291—Size 2, 11¾x9½ in., w't per doz. 62 lbs. .....per dozen **AJBJ** $18.00



Steel, D Handle, Round Point, Polished.
No. 292—Size 2, 11¾x9½ in., w't per doz. 62 lbs. .....per dozen **AJBJ** $18.00



Steel, Long Handle, Square Point, Polished.
No. 294—Size 2, 11¾x9½ in., w't per doz. 66 lbs. .....per dozen **AJBJ** $18.00



All Steel, Long Handle, Round Point, Polished.
No. 293—Size 2, 11¾x9½ in., w't per doz. 62 lbs. ....per dozen **AJBJ** $18.00
No. 293¼—Size 1½, Yakima pattern, irrigating, 11½x8½ in., w't per doz. 62 lbs., per dozen .....**AJBJ** $18.00
No. 293½—Size 2, irrigating, 11¾x9 in., w't per doz. 62 lbs., per dozen .....**AJBJ** $18.00

ONE-HALF DOZEN IN A BOX.



Double Strap, Long Handle, Round Point.
No. 293¾—Size 2, w't per doz. 72 lbs., per dozen .....**AADJ** $24.00

EMPEROR SPADES.

One Piece, Solid Socket.



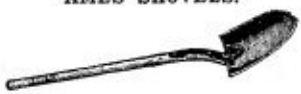
Steel Polished.
No. 295—Size 2, **D handle**, 12x7¼x7 in., w't per doz. 62 lbs., per dozen .....**AJBJ** $18.00
No. 296—Size 2, **Long handle**, 12x7½x7 in., w't per doz. 64 lbs., per dozen .....**AJBJ** $18.00

ONE-HALF DOZEN IN A BUNDLE.



German Pattern, Wood D Handle, Crucible Steel, Polished.
No. 297½—12½x6⅞ in., w't per doz. 64 lbs. .....per dozen **AJBJ** $18.00

AMES' SHOVELS.



Cast Steel, Long Handle, Back Strap, Polished.
No. 59—Size 2, mining, stiff spring, 9½x11¾ in., w't per doz. 66 lbs., per dozen .....**ABAE** $15.50



No. 343—Size 2, moulders', patent, solid steel, polished, 10x11⅝ in., w't per doz. 57 lbs. .....per dozen **ABEE** $16.00



No. 18—Size 2, brick or sewer, D handle, steel edge, long corners black, 9½x10½ in., w't per doz. 65 lbs., per dozen .....**AAGE** $15.00

ONE-HALF DOZEN IN A BUNDLE.



D Handle, Square Point, Plain Back.
No. 15—Size 2, steel edge, black, 9¼x11⅞ in., w't per doz. 61 lbs., per dozen .....**AAGE** $15.00
No. 16—Size 2, steel edge, polished, 9¼x11⅞ in., w't per doz. 61 lbs., per dozen .....**ABEE** $16.00
No. 11—Size 2, patent, solid steel, polished, 9¾x11⅝ in., w't per doz. 59 lbs., per dozen .....**ABEE** $16.00



No. 26—Size 2, D handle, round point, patent, solid steel, plain back, polished, 9½x12⅞ in., w't per doz. 58 lbs., per dozen .....**ACCE** $17.00



No. 41—Size 2, long handle, square point, patent, solid steel, plain back, polished, 9½x11⅝ in., w't per doz. 68 lbs., per dozen .....**ABEE** $16.00

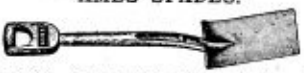


No. 50—Size 2, long handle, round point, patent, solid steel, plain back, polished, 9¾x11¾ in., w't per doz. 62 lbs., per dozen .....**ABEE** $16.00

ONE-HALF DOZEN IN A BUNDLE.

SPADES, SHOVELS AND SPADE STEPS, ETC.

AMES' SPADES.



No. 111—Size 2, D handle, patent, solid steel, plain back, polished, 11¾x7⅛ in., w't per doz. 63 lbs.,
per dozen .....**ABGE** $16.25



No. 141—Size 2, long handle, patent, solid steel, plain back, polished, 11¼x7⅛ in., w't per doz. 70 lbs.,
per dozen .....**ABGE** $16.25



No. 90—Size 2, nursery, steel edge, D handle, plain back, polished, 12x7¼ in., double strapped full length, w't per doz. 109 lbs. ..per dozen **AFBE** $20.75

ONE-HALF DOZEN IN A BUNDLE.

PINKNEY'S MINING SHOVELS.



Cast Steel, Long Handle, Round Point, Back Strap, Polished.

No. 69½—Size 2, Pinkney's, half spring, front and back strap, light, 9¼x12 in., w't per doz. 58 lbs.,
per dozen .....**JGHJ** $11.00

BECKWITH'S SHOVELS.



Solid Steel, Long Handle, Socket Strap, Polished.

No. 052—Size 2, round point, 9½x12¼ in., w't per doz. 52 lbs.
per dozen .....**JICJ** $13.10

No. 043—Size 2, square point, 9½x12¾ in., w't per doz. 52 lbs.,
per dozen .....**JICJ** $13.10

AUTOMOBILE SHOVELS.



No. 290—Emperor, all steel, solid socket, detachable D handle, length 14 in., length over all 30 in., 6½x9 in. polished blade, w't per doz. 40 lbs., per dozen .....**ABJJ** $21.00

SPADE STEPS.



Malleable Iron.

No. 1—W't per doz. 8 lbs.,
per dozen .....**AAJ** $1.80



Malleable Iron.

No. 2—For Boss tiling spades, w't per doz. 5 lbs. .....per dozen **JIE** $2.00



No. 3—King, for tiling spades, pressed steel, a perfect shoe protector, being flat on top and extending square out from the handle, even with outside of a 6½ in. spade, w't per doz. 2 lbs.,
per dozen .....**JIE** $2.25

BAG HOLDERS.



No. 1—Mosher, adapted to all sizes of bags from a 48 lb. flour sack to a 6 bu. gunny bag, wood parts painted green, iron parts black, well made, malleable iron jaws, wrought iron pipe standards and steel spring, does not tear bag, w't per doz. 240 lbs.,
per dozen .....**CGBJ** $60.00

HERCULES GRAIN SCOOPS.



Sheet Steel, Riveted, Two Handles. Malleable and Wrought Iron Trimmings, Light, Strong, Durable.

With this style of scoop one man will perform twice the amount of work in a given time that he will with a common long handled scoop shovel as he is right over his load.

Almost every farmer in the northwest uses this scoop for handling grain either from thresher to wagons, wagons to bins or from bins to bags.

There are many other uses besides handling grain. The potato growers now are using these scoops in connection with the Mosher bag holder shown on this page.

No. 21—½ bu., length 26½ in., width 10 in., w't 6 lbs.,
per dozen .....**ACEJ** $21.00

No. 22—1 bu., length 31 in., width 12½ in., w't 12 lbs.,
per dozen .....**AFEJ** 25.00

ONE-HALF DOZEN IN A BUNDLE.

SHOVELS AND SCOOPS.

AJAX CHISHOLM PATTERN COAL SHOVELS.



D Handle, Solid Steel, Black.

Nos.	171	172	173
Lgth blade, in.	14	14½	15
Width at point, in.	13½	14¼	14¼
W't, doz., lbs..	75	80	82
Per dozen	$9.00	9.50	10.00
	EGJ	FAJ	JFDJ

D Handle, Solid Steel, Half Polished.

Nos.	181	182
Length of blade, in.	14	14½
Width at point, in.	13½	14¼
W't per doz., lbs.	75	80
Per dozen	$9.50	10.00
	FAJ	JFDJ

Nos.	183	185
Length of blade, in.	15	17
Width at point, in.	14¼	15
W't per doz., lbs.	82	86
Per dozen	$10.50	11.50
	JFGJ	JGBJ

D Handle, Solid Steel, Full Polished.

Nos.	0191	0192	0193
Lgth blade, in.	14	14½	15
Width at point, in.	13½	14¼	14¼
W't, doz., lbs..	75	80	82
Per dozen	$10.00	10.50	11.00
	JFGJ	JFIE	JGBJ

Long Handle, Solid Steel, Half Polished.

No. L181—Length of blade 14 in., width at point 13½ in., w't per doz. 80 lbs., per dozen ..... FAJ $9.50

AJAX CHISHOLM PATTERN COAL OR ORE SHOVELS.



D Handle, Solid Steel, Black.

Nos.	3	4
Length of blade, in.	12¼	12½
Width at point, in.	9¾	10½
W't per doz., lbs.	56	60
Per dozen	$9.00	9.50
	EGJ	FAJ

Nos.	5	6
Length of blade, in.	13	13¾
Width at point, in.	10⅞	11¼
W't per doz., lbs.	64	70
Per dozen	$10.00	10.50
	JFDJ	JFGJ

CRUSO COAL SHOVELS.

D Handle, Solid Steel, Hollow Back, Black.

Nos.	1	2	3
Lgth blade, in.	13½	14½	15¾
Width at point, in.	12	13	13½
W't, doz., lbs..	70	80	82
Per dozen	$9.00	9.50	10.00
	EDJ	EGJ	JFJJ

ONE-HALF DOZEN IN A BUNDLE.

GOLD'S PLAIN BACK COAL SHOVELS.



D Handle, Solid Steel, Black.

Nos.	4	5	6
Lgth blade, in.	12½	13	13½
Width at point, in.	10½	10¾	11¼
W't, doz., lbs..	62	64	68
Per dozen	$10.00	10.50	11.00
	JGCJ	JGEJ	JGHJ

Nos.	7	8
Length of blade, in.	14	14¾
Width at point, in.	11¾	12¼
W't per doz., lbs.	70	76
Per dozen	$11.50	12.00
	JHAJ	JHDJ

CRUSO SAND SCOOPS.



No. 202—Size 2, length of blade 15½ in., width at point 10½ in., black, D handle, square point, w't per doz. 64 lbs., per dozen ..... JFCJ $14.20



No. 202½—Size 2, length of blade 15¾ in., width at point 11¼ in., black, D handle, round point, w't per doz. 64 lbs., per dozen ..... JGBJ $16.20

AMES' GRAIN SCOOPS.



D Handle, Cast Steel, Polished.

Nos.	2	3	4
Lgth blade, in.	15	15½	16
Width at point, in.	11	11½	12
W't, doz., lbs..	80	82	84
Per dozen	$18.50	19.00	19.50
	ACFE	ADJJ	ADCE

Nos.	5	6	7P
Lgth blade, in.	16½	16¾	17
Width at point, in.	12	12½	13¼
W't, doz., lbs..	88	90	92
Per dozen	$20.00	20.50	21.25
	ADGE	AEAJ	AEFE

Reinforced Strap.

Nos.	7R	8
Length of blade, in.	17	17½
Width at point, in.	13¼	14
W't per doz., lbs.	94	98
Per dozen	$22.50	22.00
	AFFJ	AFBJ

Nos.	9	10
Length of blade, in.	18	18
Width at point, in.	14½	15
W't per doz., lbs.	100	102
Per dozen	$23.00	23.50
	AFIE	AGCJ

ONE-HALF DOZEN IN A BUNDLE.

C. H. CONOVER'S GRAIN SCOOPS.



EASTERN PATTERN, D Handle, Solid Steel, Socket Strap, Polished.

Nos.	2	3	4
Lgth blade, in.	14¾	15½	16
Width at point, in.	11	11¼	11½
W't, doz., lbs..	70	74	80
Per dozen	$12.00	12.50	13.00
	JHCJ	JIFJ	JIIJ

Nos.	5	6	7
Lgth blade, in.	16½	17	17¾
Width at point, in.	12	13	13¼
W't, doz., lbs..	88	90	96
Per dozen	$13.50	14.00	14.50
	AJBJ	AJEJ	AJHJ

Nos.	8	9
Length of blade, in.	18	18¼
Width at point, in.	13½	14¼
W't per doz., lbs.	98	100
Per dozen	$15.00	15.50
	AAAJ	AAEJ

Nos.	10	12
Length of blade, in.	19½	20¼
Width at point, in.	15	15¾
W't per doz., lbs.	104	108
Per dozen	$16.00	17.00
	ABJJ	ABFJ

Reinforced Strap.

Nos.	7-R	8-R
Length of blade, in.	17¾	18
Width at point, in.	13¾	13½
W't per doz., lbs.	100	104
Per dozen	$17.50	18.05
	ABCJ	ABFJ

CRUSO GRAIN SCOOPS.



WESTERN PATTERN, D Handle, Solid Steel, Hollow Back, Polished.

Nos.	4	5	6
Lgth blade, in.	16	16½	17
Width at point, in.	13	13½	14
W't, doz., lbs..	71	72	74
Per dozen	$9.50	10.00	10.50
	FIJ	JGBJ	JGEJ

Nos.	7	8	9
Lgth blade, in.	18	18	18½
Width at point, in.	14	14½	14½
W't, doz., lbs..	70	74	77
Per dozen	$11.00	11.50	12.00
	JGHJ	JHAJ	JHDJ

Nos.	10	12
Length of blade, in.	19	19¼
Width at point, in.	15	15
W't per doz., lbs.	81	84
Per dozen	$12.50	13.50
	JHGJ	JICJ

ONE-HALF DOZEN IN A BUNDLE.

SCOOPS.

AJAX CHISHOLM PATTERN GRAIN SCOOPS.



EASTERN PATTERN, D Handle, Solid Steel, Full Polished.

Nos.	0102	0103	0104
Length of blade, in.	15	15½	16
Width at point, in.	11	11¼	11½
W't, doz., lbs.	67	69	70
Per dozen	$14.20 JFIJ	15.00 JGBJ	16.00 JGEJ

Nos.	0105	0106	0107
Length of blade, in.	16½	17	17
Width at point, in.	12	12¼	13¼
W't, doz., lbs.	73	75	73
Per dozen	$17.00 JGHJ	17.75 JHAJ	18.75 JHDJ

Nos.	0108	0109
Length of blade, in.	17¼	17½
Width at point, in.	13½	14
W't per doz., lbs.	74	77
Per dozen	$19.75 JHGJ	20.75 JIJJ

No. 0106-L—Long handle, length of blade, 17 in., width of point 12¾ in., w't per doz. 75 lbs., per dozen ..... JHAJ $17.75



WESTERN PATTERN, Solid Steel, Full Polished.

Nos.	0154	0155	0156
Length of blade, in.	15½	16	16½
Width at point, in.	12½	13½	13½
W't, doz., lbs.	73	74	76
Per dozen	$16.00 JGEJ	17.00 JGHJ	17.75 JHAJ

Nos.	0157	0158	0159
Length of blade, in.	17	17½	17¾
Width at point, in.	13¾	14¼	14½
W't, doz., lbs.	72	76	79
Per dozen	$18.75 JHDJ	19.75 JHGJ	20.75 JIJJ

Nos.	0160	0162	0164
Length of blade, in.	18¾	19¾	20
Width at point, in.	14½	15	15¾
W't, doz., lbs.	83	86	88
Per dozen	$22.75 JICJ	24.00 JIIJ	26.00 AJHJ

ONE-HALF DOZEN IN A BUNDLE.

AJAX CHISHOLM PATTERN.



EASTERN PATTERN, D Handle, Extra Heavy, Solid Steel, Black.

Nos.	83	85	86
Length of blade, in.	15½	16½	16¾
Width at point, in.	11¼	12	12
W't, doz., lbs.	75	80	84
Per dozen	$15.00 JHGJ	17.00 JICJ	17.75 JIFJ

Nos.	87	88
Length of blade, in.	17	17½
Width at point, in.	13	14¼
W't per doz., lbs.	86	90
Per dozen	$18.75 JIIJ	19.75 AJBJ

CHISHOLM PATTERN LOCOMOTIVE SCOOPS.



D Handle, Solid Steel, Black, 26 Inch.

Nos.	2	3
Length of blade, in.	15½	15½
Width at point, in.	10½	11
W't per doz., lbs.	70	75
Per dozen	$14.00 JFIJ	15.00 JGBJ

Nos.	4	5
Length of blade, in.	16	16½
Width at point, in.	11½	12
W't per doz., lbs.	80	84
Per dozen	$16.00 JGEJ	17.00 JGHJ

AJAX CHISHOLM PATTERN FURNACE SCOOPS.



Solid Steel, Black, 9¼x14 in. Blade.

No. 55—Ajax, wood D handle, w't per doz. 60 lbs.....per dozen EGJ $9.00

No. 055—Maricopa, malleable D handle, w't per doz. 60 lbs., per dozen ..... EAJ $8.00



No. 75—Ajax, long handle, solid steel, black, 9¼x14 in., w't per doz. 60 lbs., per dozen ..... EGJ $9.00

ONE-HALF DOZEN IN A BUNDLE.

ASH SCOOPS.



No. 14—Climax, long handle, solid steel, black, 10x14 in., w't per doz. 70 lbs., per dozen ..... JFJJ $10.00

No. 11—CRUSO, solid steel, black, 11x15½ in. long straight handle, w't per doz. 72 lbs., per doz. JGHJ $12.00

ONE-HALF DOZEN IN A BUNDLE.

BARN SCOOPS.



No. 3—C. H. Conover's, solid steel, long handle, socket strap, polished, 11½x15½ in., w't per doz. 85 lbs., per dozen ..... JIFJ $12.50



No. 63—Ajax, Chisholm pattern, solid steel, long handle, polished, 10x15 in., w't per doz. 78 lbs., per dozen ..... JGBJ $12.00

ONE-HALF DOZEN IN A BUNDLE.

AJAX BARN OR SNOW SHOVELS.



No. 73—Size 11½x14 in., extra quality steel and good select handle, strap ferrule, w't per doz. 71 lbs., per dozen ..... ECJ $9.00

REED'S TRIMMER OR BAG SCOOPS.



Cast Steel, D Handle, Polished.

No. 2—10¼x15 in., w't per doz. 48 lbs., per dozen ..... JIDJ $11.75

No. 3—11x15½ in., w't per doz. 50 lbs., per dozen ..... JIEE $12.00

ONE-HALF DOZEN IN A BUNDLE.

POST, DRAIN, DITCHING AND TILING SPADES.



GOLD HIBBARD POST SPADES.



Solid Steel, Socket Strap, Polished.

No. 100—Blade, in.	14	16
W't per doz., lbs.	56	58
Per dozen	$15.50	16.00
	AAGJ	ABFJ
No. 100—Blade, in.	18	20
W't per doz., lbs.	60	62
Per dozen	$16.50	17.00
	ABIJ	ACBJ

ONE-HALF DOZEN IN A BUNDLE.

GOLD HIBBARD DITCHING SPADES.



Solid Steel, Socket Strap, Polished.

No. 94—Blade, in.	14	16
W't per doz., lbs.	55	58
Per dozen	$15.50	16.00
	ABCJ	ABFJ
No. 94—Blade, in.	18	20
W't per doz., lbs.	60	62
Per dozen	$16.50	17.00
	ABIJ	ACBJ

ONE-HALF DOZEN IN A BUNDLE.

GOLD HIBBARD DRAIN SPADES.



Solid Steel, Socket Strap, Polished.

No. 91—			
Blade, in.	16	18	20
W't, doz., lbs.	54	56	60
Per dozen	$16.00	16.50	17.00
	ABFJ	ABIJ	ACBJ

ONE-HALF DOZEN IN A BUNDLE.

C. H. CONOVER'S POST SPADES.



Solid Steel, Socket Strap, Polished.

No. 101—			
Blade, in.	14	16	18
W't, doz., lbs.	50	54	58
Per dozen	$13.50	14.00	14.50
	AJAJ	AJDJ	AJFJ
No. 101—Blade, in.	20		22
W't per doz., lbs.	60		64
Per dozen	$15.00		15.50
	AAAJ		AADJ

ONE-HALF DOZEN IN A BUNDLE.

C. H. CONOVER'S DITCHING SPADES.



Solid Steel, Socket Strap, Polished.

No. 104—			
Blade, in.	14	16	18
W't, doz., lbs.	54	58	60
Per dozen	$13.50	14.00	14.50
	AJAJ	AJDJ	AJFJ
No. 104—Blade, in.	20		22
W't per doz., lbs.	62		65
Per dozen	$15.00		15.50
	AAAJ		AADJ

ONE-HALF DOZEN IN A BUNDLE.

C. H. CONOVER'S DRAIN SPADES.



Solid Steel, Socket Strap, Polished.

No. 92—			
Blade, in.	14	16	18
W't, doz., lbs.	48	50	55
Per dozen	$13.50	14.00	14.50
	AJAJ	AJDJ	AJFJ
No. 92—Blade, in.	20		22
W't per doz., lbs.	60		62
Per dozen	$15.00		15.50
	AAAJ		AADJ

ONE-HALF DOZEN IN A BUNDLE.

CRUSO POST SPADES.



Solid Steel, Socket Strap, Polished.

Blade, in.	14	16
W't per doz., lbs.	48	52
Per dozen	$12.00	12.50
	JIAJ	JIDJ
Blade, in.	18	20
W't per doz., lbs.	57	62
Per dozen	$13.00	13.50
	JIGJ	AJBJ

ONE-HALF DOZEN IN A BUNDLE.

CRUSO DITCHING SPADES.



Solid Steel, Socket Strap, Polished.

Blade, in.	14	16	18
W't, doz., lbs.	53	57	61
Per dozen	$12.00	12.50	13.00
	JIAJ	JIDJ	JIGJ

ONE-HALF DOZEN IN A BUNDLE.

CRUSO DRAIN SPADES.

Solid Steel, Socket Strap, Polished.

Blade, in.	16	18	20
W't, doz., lbs.	52	54	58
Per dozen	$12.50	13.00	15.30
	JIDJ	JIGJ	AJBJ

ONE-HALF DOZEN IN A BUNDLE.

AMES' POST SPADES.

Solid Steel, Plain Back, Polished.

No. 102—Blade, in.	14	16
W't per doz., lbs.	56	60
Per dozen	$15.50	16.00
	ACJJ	ACDE
No. 102—Blade, in.	18	20
W't per doz., lbs.	65	68
Per dozen	$16.50	17.00
	ACHE	ADCJ

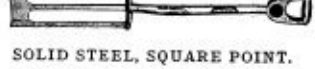
ONE-HALF DOZEN IN A BUNDLE.

BOSS TILING SPADES.

Here is a Tiling Spade Your Customers Will Buy Because of Selling Points that Cannot be Found on Any Other Spade—

1st—All Three Tines are Reinforced at the Weld and Will Not Break.

2nd—The Double Spade Step, Made of Pressed Steel, Fits Over the Top of on, Cannot Break or Work Loose, the Blade Before the Handle is Put Enables the Tiler to Use Either Foot Without making Any Changes.



SOLID STEEL, SQUARE POINT.

No. 3—Boss, 6½x18 in., w't per doz. 62 lbs. .....per dozen **AIBJ** $39.00

No. 4—Boss, 6½x20 in., w't per doz. 68 lbs. .....per dozen **AIBJ** $39.00

No. 5—Boss, 6½x22 in., w't per doz. 70 lbs. .....per dozen **AIBJ** $39.00



SOLID STEEL, ROUND POINT.

No. 1—Boss, 4½x18 in., w't per doz. 60 lbs. .....per dozen **AIBJ** $36.00

No. 2—Boss, 4½x20 in., w't per doz. 62 lbs. .....per dozen **AIBJ** $36.00

Guarantee withdrawn on all Boss Tiling Spades.

POSTHOLE AUGERS AND DRAIN CLEANERS.

REVONOC AUGERS.



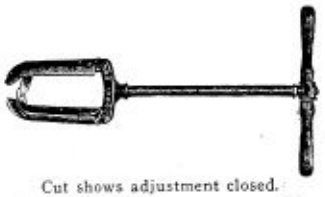
REVONOC, Non-Adjustable High Carbon Forged Steel Blades, One Inch Wrought Iron Tube Shank, and Malleable Iron Castings, Painted Red, Hardwood Handles.

Nos.	R4	R5	R6	R7
Size, in.	4	5	6	7
W't per doz., lbs.	87	90	100	115
Per dozen	$28.00	28.00	28.00	30.00
	AEAJ	AEAJ	AEAJ	AFAE

Nos.	R8	R9	R10
Size, in.	8	9	10
W't per doz., lbs.	125	135	150
Per dozen	$30.00	32.00	36.00
	AFAJ	AGCJ	AIDE

REVONOC *Augers have improved lock hinged joint, stronger than others, yet have all cutting edges, no dead center. All the power goes into the digging, no waste of effort.*

ONE-QUARTER DOZEN IN A BUNDLE.



Cut shows adjustment closed.



First, medium, adjustment.



Second, widest, adjustment.

REVONOC, Adjustable, High Carbon Forged Steel Blades, One Inch Wrought Iron Tube Shank and Adjustable Malleable Yoke, Painted Red, Hardwood Handles.

Nos.	R1	R2	R3
Size, adjustable, in.	4, 5, 6	6, 7, 8	8, 9, 10
W't per doz., lbs.	100	125	150
Per dozen	$33.60	36.00	38.40
	BJAE	BAFJ	BCJE

Adjustment is by means of three bolts in heavy channeled malleable iron arch. Perfectly strong and secure. Easy to operate.

ONE-QUARTER DOZEN IN A BUNDLE.

REVONOC AUGER HANDLES.

No. 15—Hardwood, 22 in., w't per doz. 10 lbs., per dozen ..... ADE $2.40

LOOSE.

VAUGHAN'S AUGERS.



VAUGHAN'S, Wrought Iron Tube, Malleable Iron Top and Point, Two Steel Blades, without Wood Handles.

Nos.	26	27	28	29
Size, in.	6	7	8	9
W't per doz., lbs.	57	58	62	65
Per dozen	$12.50	12.50	12.50	12.50
	JGBJ	JGIJ	JHFE	JIJJ

DRAIN CLEANERS.



REVONOC, Adjustable, Forged Steel Blade, Straight Grained Second Growth White Ash Handle 6 Feet Long, To Push or Pull.

Nos.	R14	R15	R16	R17	R18
Size, in.	4x15	5x15	6x15	7x15	8x15
W't per doz., lbs..	65	67	73	75	78
Per dozen	$18.00	18.50	19.00	19.50	20.00
	JHFE	JHIJ	JIAJ	JICE	JIFJ

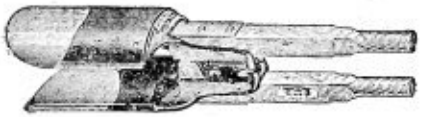


IWAN, Not Adjustable, Forged Steel, Polished and Blue Lacquered Blade, Welded Steel Arch and Socket, 6 Foot Handle.

Nos.	40	50	60	70	80
Sizes, in.	4x15	5x15	6x15	7x15	8x15
W't per doz., lbs..	58	60	62	64	66
Per dozen	$17.00	17.50	18.00	18.50	19.00
	ABBE	ABFJ	ABIE	ACCJ	ACGJ

ONE-QUARTER DOZEN IN A BUNDLE.

POST HOLE DIGGERS.



CRUSO

No. 18 CRUSO—Extra quality forged steel blades, half polished, 6 in. spread, japanned malleable double-hinged frame castings, select straight grained 4 ft. ash handles, with steel reinforcing plate where bolted, w't per doz. 120 lbs. .....per dozen **ABJJ** $24.00

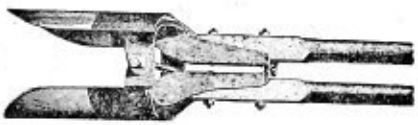
The CRUSO Post Hole Digger is fitted with a double hinge, preventing the side play of handles and making the blades close perfectly true, holding the maximum amount of dirt.

The steel is of such quality as to permit easy digging in all kinds of soil and is especially adapted for the rough work in rocky or gravel soil.

The handles are made of best second growth ash and will outlast two or three of the handles usually furnished with post hole diggers.

The handles where joined to the frame are enclosed in a socket on all sides which takes the strain from the bolt holes, the place where digger handles generally break.

ONE-THIRD DOZEN IN A BUNDLE.



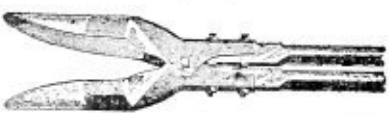
No. 14 HERCULES—Hercules pattern, high carbon, forged steel blades, double hinged, full bolted, malleable frame castings, painted red, 4 ft. hard wood handles, w't per doz. 132 lbs., per dozen .....**JIFJ** $21.00



No. 20 GIBBS—Gibbs pattern, with 6½ in. high carbon forged steel hinged blade, malleable fittings, strongly bolted, 4½ ft. hard wood handle with 21 in. lock lever handle and steel rod, w't per doz. 120 lbs.....per dozen **ABJJ** $24.00

The locking device moves and locks the blade vertically, for digging, or horizontally, for lifting out, as desired.

ONE-QUARTER DOZEN IN A BUNDLE.



No. 17—Il-a-noy, Invincible pattern, solid pressed steel blades and sockets, 4 ft. round hard wood handles, w't per doz. 96 lbs.....per dozen **JIJJ** $13.00

ONE-QUARTER DOZEN IN A BUNDLE.



No. 12—Cruso, Eureka pattern, forged steel blades, 4½ ft. half round hard wood handles, w't per doz. 108 lbs., per dozen .....**JGBJ** $13.50

ONE-QUARTER DOZEN IN A BUNDLE.



No. 13—Cruso, Atlas pattern, forged steel blades, 4 ft. round hard wood handles, w't per doz. 96 lbs., per doz. **JHDJ** $16.50



No. 11—Champion, forged steel blade, 4½ ft. wrought iron handle and fork, welded, w't per doz. 132 lbs., per dozen .....**JFJJ** $12.00

ONE-THIRD DOZEN IN A BUNDLE.

DIGGER HANDLES.

No. 12-H—Cruso Digger Handles, 4½ ft. long, w't per single doz. 17 lbs.....per single dozen **ADJ** $3.20

No. 13-H—Digger Handles, 4 ft. long, for No. 13 diggers, w't per single doz. 17 lbs.....per single dozen **AFJ** $3.20

No. 14-H—Digger Handles, 4 ft. long, for Nos. 18, 14 and 17 diggers, w't per single doz. 17 lbs., per single doz. **AFJ** $3.20

PACKED LOOSE.

CHAMPION LUMBERING TOOLS.

SOLID SOCKET PEAVIES.



Select Rock Maple Handle, Duck Bill Hook.

Length, ft.	4½	5
W't per doz., lbs.	112	120
No. 25—2½ in. per dozen	$24.50	25.00
	ADGJ	AEJJ

Select Hickory Handle, Duck Bill Hook.

No. 28—2½ in., 5 ft., w't per doz. 120 lbs., per dozen ..... AFHJ $28.00

Solid sockets, made from best malleable iron, 2½ in. in diameter. They have all the strong points and are of latest improved patterns. Standard size peavies have hand hammered duck bill hooks made from ⅞x⅜ in. crucible steel and picks of ⅞ in. steel. Bolts are steel 1⅛x⅞ in. In the 2¾ and 3 in. peavies the hooks, picks, etc., are proportionately heavier.

HALF DOZEN IN A CRATE.

PEAVEY AND CANT HOOK HANDLES.

Rock Maple, Wax Finished.

Length, ft.	4	4½	5
W't per doz., lbs.	47	55	60
No. 251—2½ in. per dozen	$4.50	5.00	5.25
	BFE	BIJ	CAJ
W't per doz., lbs.		65	70
No. 252—2¾ in. per dozen		$6.00	6.80
		CFJ	DAJ

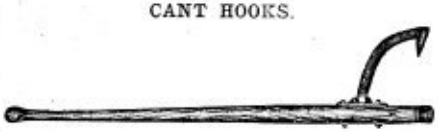
Select Hickory, Wax Finished.

Length, ft.	4	4½	5
W't per doz., lbs.	60	67	80
No. 257—2½ in. per dozen	$9.25	10.00	11.00
	EEJ	JFJJ	JFEJ

No. 258—2¾ in., 4½ ft., w't per doz. 70 lbs., per dozen ..... JGBJ $12.00

TWO DOZEN IN A CRATE.

CANT HOOKS.



Selected Rock Maple Handle, Short Malleable Iron Clips Bolted Through Handles, and Duck Bill Hooks.

Length, ft.	4	4½
W't per doz., lbs.	90	100
No. 261—2½ in. per dozen	$19.50	20.00
	AAGJ	ABJJ

CANT HOOKS.



Select Rock Maple Handle, Malleable Iron Clasp and Toe Rings, with Nib to Catch on Log, Crucible Steel Chisel Shaped Hook.

Length, ft.	4½	5
W't per doz., lbs.	90	92
No. 107—2½ in. per dozen	$19.00	19.25
	AADJ	AAHJ

HALF DOZEN IN A CRATE.



Select Rock Maple Handle, Hand Forged Wrought Steel Clasp, Malleable Iron Extension Toe Ring, Hand Forged Steel Duck Bill Hook.

Length, ft.	4½	5
W't per doz., lbs.	90	100
No. 68—2½ in. per dozen	$22.00	22.50
	ACBJ	ACEJ
W't per doz., lbs.	109	116
No. 69—2¾ in. per dozen	$23.00	26.00
	AEIJ	AFEJ



Select Rock Maple Handle, Duck Bill Hook.

Length, ft.	4	4½	5
W't per doz., lbs.	87	92	117
No. 83—2½ in. per dozen	$20.00	20.00	20.50
	ABJJ	ABJJ	ABCJ

No. 84—2 ¾in., 4½ ft., w't per doz. 110 lbs., per dozen ..... ACHJ $23.00

Select Hickory Handles, Duck Bill Hook.

Length, ft.	4½	5
W't per doz., lbs.	102	106
No. 87—2½ in. per dozen	$23.00	24.00
	ACHJ	ADDJ

No. 88—2¾ in., 5 ft., w't per doz. 115 lbs., per dozen ..... AFBJ $27.00

Malleable iron clasps 2½ or 2¾ in. in diameter. Improved extension toe rings. Beveled on both sides to admit of use as a bar in "cutting" logs on skids, and is constructed so as to free itself readily. Standard size tools, 2½ in. in clasp, have hand hammered duck bill hooks of 1x⅞ in. crucible cast steel and proportionately heavier steel for 2¾ in.; 1⅛x⅝ in. steel bolts.

LOADING HOOKS.



No. 158—¾ in. square steel, heavy round upset point, Swedes iron ring, w't per doz. 30 lbs.....per dozen JGBJ $12.00

SWAMP HOOKS.



No. 156—1 in. hand hammered octagon steel, heavy round upset points, Swedes iron grab hook and ring, w't per doz 65 lbs., per dozen ..... ADDJ $24.00

HOOKAROON PICKS.



No. 377—Steel point, to fit on axe handle, w't per doz. 15 lbs., per dozen ..... DDJ $7.25

★*FOR FACTORY SHIPMENT ONLY.*

CHAMPION LUMBERING TOOLS.

SKIDDING TONGS.



Octagon Steel, Heavy Upset Points.

Nos.	357	150	273
Diameter, in.	1	1⅛	1¼
Opens, in.	24	32	36
W't, pair, lbs.	16	23	27
Per doz. pairs.	$71.00	78.00	94.00
	DBFJ	DFHJ	EFDJ

No. 178—⅞ in., w't per doz. 150 lbs., otherwise same as No. 357, per dozen pairs ..... CFJJ $60.00

These are made of the best hammered crucible steel, the swivels, hooks and clevices of best Swedes iron. The steel is upset in these to give the maximum strength at the point where the strain is greatest.

DUCK BILL HOOKS.



No. 172—Cant hook, for 2½ in. tools, size 1x⅞ in., w't per doz. 24 lbs., per dozen ..... JFHE $11.50

No. 385—Peavey or cant hook, size 1⅛x⅜ in., w't per doz. 35 lbs., per dozen ..... JICE $15.50

TIMBER GRAPPLES OR LUG HOOKS AND HANDLES.



No. 125—2½ in., malleable iron clamp, ¼x½ in. crucible cast steel hooks, hung with swivel hinge, select rock maple handle, length 4 ft., w't per doz. 100 lbs....per dozen AEJJ $25.00

No. 220—Extra handles for timber grapples, 4 ft. long, w't per doz. 40 lbs., per dozen ..... CCE $5.50

NO. 125, HALF DOZEN IN A CRATE; NO. 220, TWO DOZEN IN A BUNDLE.

LOADING AND SNATCH BLOCKS.



No. 163.



No. 297.

No. 163—Wrought iron loading blocks, 5x1½ in., iron sheave with round swivel hook, w't per doz. 144 lbs., per dozen ..... ACDE $22.50

No. 297—Wrought iron loading blocks, fitted with grab hook, 5x1½ in. plain sheaves, w't per doz. 142 lbs., per dozen ..... ADAJ $23.50



No. 298.



No. 164.

No. 298—Wrought iron loading blocks, fitted with grab hook, 5x1½ in. chain sheaves, w't per doz. 150 lbs., per dozen ..... ADAJ $23.50

No. 164—Loading and snatch blocks, with self-locking clasp, special ⅝x2¼ in. bolt, 5x1½ in. iron sheave, Swedes iron round swivel hook, w't per doz. 144 lbs. .....per dozen BACJ $35.50

PIKE POLES.



Select Second-Growth Ash, Seamless Steel Ferrule, Hand Forged Crucible Steel Pike and Hook, Made From One Piece.

Nos.	134	135	136
Length, ft.	12	14	16
W't, doz., lbs.	85	100	110
Per dozen	$24.00	28.75	35.50
	AEJJ	AHJJ	BBBJ

HALF DOZEN IN A CRATE.

PIKE POLE HANDLES.

Select Second-Growth White Ash.

No. 217—Feet	12	14
Diameter, in.	1⅝	1⅝
W't per doz., lbs.	70	85
Per dozen	$14.50	17.50
	JHFE	AJEJ

HALF DOZEN IN A BUNDLE.

EXTRA PARTS FOR PIKE POLES.



No. 205.



No. 207.

No. 205—Straight pike, with hook and threaded shank, w't per doz. 10 lbs., per dozen ..... JEDJ $9.00

No. 207—Polished seamless ferrules, w't per doz. sets 5 lbs., per dozen sets ..... BDE $4.00

CANT HOOK CLASPS.



Nos. 180 and 181.



Nos. 183 and 184.

No. 180—2½ in., hand forged steel, w't per doz. 12 lbs...per dozen DBJ $7.00

No. 181—2¼ in., hand forged steel, w't per doz. 13½ lbs., per doz. DEJ $7.50

No. 183—2½ in., malleable iron, w't per doz. 12 lbs.....per dozen BGJ $4.50

No. 184—2¼ in., malleable iron, w't per doz. 13½ lbs.....per dozen CAJ $5.25

TOE RINGS.



Nos. 186 and 187.



No. 188.

No. 186—Forged steel, for 2½ and 2¼ in. tools, w't per doz. 4 lbs., per dozen ..... AFJ $2.75

No. 187—Malleable iron, for 2½ and 2¼ in. tools, w't per doz. 4 lbs., per dozen ..... JHJ $1.50

No. 188—Malleable iron extension, for 2½ in. tools, w't per doz. 6½ lbs., per dozen ..... ADJ $2.50

HAY AND HEADER FORKS.

STEEL GOODS—The materials used in Steel Goods are the very best obtainable. Each foregoing must pass four inspections and three special tests before shipment. Handles are made from carefully selected, straight grain, Northern White Ash—each handle encased in paper tube—times wrapped in paper and burlapped in bundles of one-half dozen. The care with which they are finished and inspected has revolutionized the entire Steel Goods business and made them accepted leaders everywhere.

GOLDEN EAGLE STEEL GOODS—We have carefully revised this line so that it is now a quality brand in every respect. They are made from the same materials as our best Steel Goods, except that the handles do not, and cannot, grade as high as . The finish is good and they are strong, serviceable tools, equal or superior to any medium-priced line offered today. Times wrapped in paper and burlapped in bundles of one-half a dozen.

EMPIRE BRAND FORKS—These are serviceable tools, manufactured from standard materials, but are not so well finished nor as substantial as our other brands. The steel used is good and the tempering carefully done, but we do not guarantee them.



Illustration showing multicurve shank used on all of our forks. With the zig-zag shape of the shank it is almost impossible for the head to work loose.

TWO TINE STRAIGHT HANDLE HAY.



Plain Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 6½ in.

No. 10 —

Handle.	W't per doz.	Per dozen.
4 ft.	27 lbs.	EEJ $9.50
4½ ft.	31 lbs.	EEJ 9.50

ONE-HALF DOZEN IN A BUNDLE.

HANDLES TUBED AND TINES PAPERED.

THREE TINE STRAIGHT HANDLE HAY.



Plain Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 7¼ in.

No. 12 —

Handle.	W't per doz.	Per dozen.
4 ft.	29 lbs.	JFJJ $11.95
4½ ft.	33 lbs.	JFJJ 11.95

No. 20 —Boys'—

Handle.	W't per doz.	Per dozen.
4 ft.	33 lbs.	EAJ $9.90

ONE-HALF DOZEN IN A BUNDLE.

HANDLES TUBED AND TINES PAPERED.



Plain Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 7¼ in.

No. 13 —

Handle.	W't per doz.	Per dozen.
4 ft.	30 lbs.	JFIJ $13.75
4½ ft.	33 lbs.	JFIJ 13.75
5 ft.	34 lbs.	JGAJ 14.15
5½ ft.	36 lbs.	JGCA 1465
6 ft.	38 lbs.	JGFJ 15.15

No. 013—Golden Eagle—

Handle.	W't per doz.	Per dozen.
4 ft.	30 lbs.	ECE $12.75
4½ ft.	33 lbs.	ECE 12.75
5 ft.	34 lbs.	JEEJ 13.15
5½ ft.	36 lbs.	JEGJ 13.65
6 ft.	38 lbs.	JEIE 14.15

ONE-HALF DOZEN IN A BUNDLE.

NO. 13, HANDLES TUBED, TINES PAPERED.

THREE TINE BENT HANDLE HAY.



Plain Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 6½ in.

No. 14 —

Handle.	W't per doz.	Per dozen.
3½ ft.	26 lbs.	JFCJ $12.55
4 ft.	28 lbs.	JFCJ 12.55
4½ ft.	30 lbs.	JFCJ 12.55
5 ft.	32 lbs.	JFEJ 12.95
5½ ft.	34 lbs.	JFGJ 13.45

No. 214—Batcheller—

Handle.	W't per doz.	Per dozen.
4 ft.	29 lbs.	JFCJ $12.55

No. 2140—Batcheller, 13 in. tines—

Handle.	W't per doz.	Per dozen.
4 ft.	29 lbs.	JFFJ $13.15

No. 014—Golden Eable—

Handle.	W't per doz.	Per dozen.
4 ft.	28 lbs.	JDHE $11.55
4½ ft.	30 lbs.	JDHE 11.55
5 ft.	32 lbs.	JEJJ 11.95

ONE-HALF DOZEN IN A BUNDLE.

NO. 14, HANDLES TUBED, TINES PAPERED.



Plain Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 6½ in.

No. 15 —

Handle.	W't per doz.	Per dozen.
3½ ft.	27 lbs.	JGBJ $14.35
4 ft.	30 lbs.	JGBJ 14.35
4½ ft.	32 lbs.	JGBJ 14.35
5 ft.	33 lbs.	JGDJ 14.75
5½ ft.	36 lbs.	JGFE 15.25
6 ft.	40 lbs.	JGIJ 15.75

No. 215—Batcheller—

Handle.	W't per doz.	Per dozen.
4 ft.	32 lbs.	JGBJ $14.35
4½ ft.	36 lbs.	JGBJ 14.35

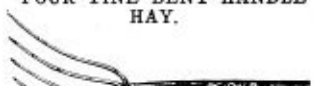
No. 015—Golden Eagle —

Handle.	W't per doz.	Per dozen.
4 ft.	30 lbs.	JEFJ $13.35
4½ ft.	32 lbs.	JEFJ 13.35
5 ft.	33 lbs.	JEHJ 13.75
5½ ft.	36 lbs.	JFJJ 14.25

ONE-HALF DOZEN IN A BUNDLE.

NO. 15, HANDLES TUBED, TINES PAPERED.

FOUR TINE BENT HANDLE HAY.



Strap Ferrule, Multi-Curved Shank, Oval Tines, Length Tine 12 in., Width at Point 7¼ in.

No. 17 —

Handle.	W't per doz.	Per dozen.
4 ft.	33 lbs.	JGHJ $17.15
4½ ft.	36 lbs.	JGHJ 17.15
5 ft.	38 lbs.	JHJJ 17.60
5½ ft.	40 lbs.	JHBE 18.15
6 ft.	42 lbs.	JHBJ 18.75

No. 017—Golden Eagle—

Handle.	W't per doz.	Per dozen.
4½ ft.	36 lbs.	JFAE $17.75
5 ft.	38 lbs.	JGCJ 16.20
5½ ft.	40 lbs.	JFEE 16.75

ONE-HALF DOZEN IN A BUNDLE.

NO. 17, HANDLES TUBED, TINES PAPERED.

THREE TINE HEADER.



Bronzed Tines and Cap.

, 15 Inch Oval Tines, Width at Point 11 in. Blue Strap Ferrule, Multi-Curved Shank.

No. 154 —

Handle.	W't per doz.	Per dozen.
4½ ft.	35 lbs.	JHDJ $17.15
5 ft.	36 lbs.	JHFJ 17.60
5½ ft.	38 lbs.	JHHE 18.10

ONE-HALF DOZEN IN A BUNDLE.

HANDLES TUBED AND TINES PAPERED.

FOUR TINE HEADER.



, 15½ Inch Oval Bronze Tines, Width at Point 11 in. Blue Strap Ferrule, Multi-Curved Shank, Round Shoulder.

No. 18 —

Handle.	W't per doz.	Per dozen.
4 ft.	36 lbs.	JIIJ $21.40
4½ ft.	38 lbs.	JIIJ 21.40
5 ft.	42 lbs.	AJAJ 21.85
5½ ft.	46 lbs.	AJCE 32.35

ONE-HALF DOZEN IN A BUNDLE.

HANDLES TUBED AND TINES PAPERED.

HEADER, BALER AND BARLEY FORKS.

FOUR TINE HEADER.



No. 182.

OVB, 15 Inch Oval Tines, 10½ Inches Wide at Points, Square Shoulder, Blue Ferrule, Bronzed Tines and Cap, Riveted Multi-Curved Shank.

No. 181—Length, ft.	4	4½	5
W't per doz., lbs.	38	42	46
Per dozen	$19.40	19.40	19.85
	JHIE	JHIE	JIAE

OVB, 15 Inch Oval Tines, 10½ Inches Wide at Point, Square Shoulder, Riveted Shank, Strap Ferrule.

No. 182—Length, ft.	4½	5	5½
W't per doz., lbs.	40	43	46
Per dozen	$21.40	21.85	22.35
	JIHE	AJAJ	AJCJ



OVB, Dakota Pattern, 16 Inch Oval Tines, 12½ Inches Wide at Points, Square Shoulder, Blue Strap Ferrule, Bronzed Tines and Cap, Multi-Curved Shank.

No. 144—Length, ft.	4	4½	5
W't per doz., lbs.	40	42	44
Per dozen	$24.15	24.15	24.60
	AAAE	AAAE	AADJ

ALFALFA.

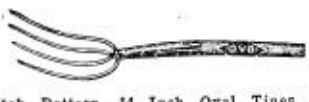


OVB, Kansas Pattern, 15 Inch Oval Tines, 11½ Inches Wide at Points, Blue Strap Ferrule, Bronzed Tines and Cap, Multi-Curved Shank.

No. 183—Length, ft.	4	4½	5
W't per doz., lbs.	40	43	47
Per dozen	$23.40	23.40	23.85
	AJHE	AJHE	AAJE

OVB, 13 Inch Oval Tines, 9½ Inches Wide at Points, Multi-Curved Shank, Blue Ferrule, Bronzed Tines and Cap.

No. 188—Lengths, ft.	4	4½	5
W't per doz., lbs.	36	37	38
Per dozen	$19.90	19.90	20.35
	JIBJ	JIBJ	JIDJ



OVB, Utah Pattern, 14 Inch Oval Tines, 9½ Inches Wide at Points, Blue Strap Ferrule, Bronzed Tines and Cap, Multi-Curved Shank.

No. 185—Length, ft.	4½	5	5½
W't per doz., lbs.	39	41	43
Per dozen	$19.40	19.85	20.35
	JIJJ	JIBJ	JIDJ

Handles tubed and tines papered.

ONE DOZEN IN A BUNDLE.

FOUR TINE BALER PRESS.



No. 160 OVB—7 in. oval, straight bronzed tines, 9 in wide at points, square shoulder, bronzed ferrule, bronzed cap, 4½ ft. straight handle, w't per doz. 33 lbs., per dozen ..... JFBE $13.75

ONE DOZEN IN A BUNDLE.

BARLEY.



OVB, Bronzed Tines, Wire Braced, Bronzed Ferrule, Cap and Head.

Long, Five Foot Handle.

Nos.	124	125	134	135
Tines	4	5	4	5
Tines, length	18	18	18	18
Width at point	15	15	15	15
Ferrule	Plain	Plain	Strap	Strap
W't, doz. lbs.	51	54	53	54
Per dozen	$28.65	36.65	30.65	38.65
	AADJ	ADEE	ABBJ	AECJ

Malleable D Handle, 51 Inches Over All.

Nos.	225	424	524	525
Tines	5	4	4	5
Tines, length	18	18	18	18
Width at point	14	14	14	14
Ferrule	Plain	Plain	Strap	Strap
W't, doz. lbs.	52	51	52	54
Per dozen	$37.40	29.40	31.40	39.40
	ADJE	AAFE	ABFJ	AEFJ

ONE DOZEN IN A BUNDLE.

SPECIAL ENSILAGE



No. 36 OVB.

No. 36—OVB—With bail, 6 oval 18 in. tines, width at point 15 in., heavy, ends turned up, strapped ferrule, 28 in. D handle, w't per doz. 60 lbs.....per dozen **AEDJ** $22.50

No. 36½ OVB—Without bail, 6 oval 18 in. tines, width at point 15 in., heavy, strapped ferrule, 28 in. D handle, w't per doz. 59 lbs. .....per dozen **ACFJ** $20.00

ONE-HALF DOZEN IN A BUNDLE, TINES NOT WRAPPED.



For descriptions and prices of forks see: No. 22, page 227, No. 15, page 226, No. 33, page 227, No. 43, page 228, No. 183, page 226
No. 10 Hoe, page 231, No. 114 Rake, page 234.

MANURE FORKS.

Manure Forks, Have Blue Ferrule, Bronzed Tines and Cap, Handles Paper Tubed and Tines Papered, Batcheller, Bronzed All Over, Golden Eagle, Blued All Over, Not Papered.

LONG HANDLE MANURE.



Four 12 Inch Oval Tines, Width at Point 9 in., Plain Ferrule, Multi-Curved Shank.

No. 21 —4 or 4½ ft. handle, per dozen .....JGAJ $17.00
No. 221—Batcheller, 4 ft. handle, per dozen .....JGAJ $17.00
No. 021—Golden Eagle, 4 or 4½ ft. handle .....per dozen JEEE $15.50
No. 0021—Empire, 4 ft. handle, per dozen .....JEAJ $14.00

NO. 221, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 40 LBS.



Four 12 Inch Oval Tines, Width at Point 9 in. Strap Ferrule, Multi-Curved Shank.

No. 22 —4 or 4½ ft. handle, per dozen .....JGIJ $19.00
No. 222—Batcheller, 4 or 4½ ft. handle, per dozen .....JGIJ $19.00
No. 022—Golden Eagle, 4 or 4½ ft. handle .....per dozen JFBE $17.50
No. 0022—Empire, 4 ft. handle, per dozen .....JEDE $16.00

NO. 222, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 42 LBS.



Four 12 Inch Oval Tines, Width at Point 9 in. Strap Ferrule, Multi-Curved Shank.

No. 122 —4½ ft. handle, w't per doz. 44 lbs.....per dozen JGIJ $19.00

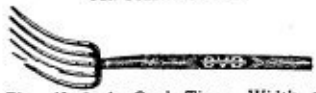
ONE DOZEN IN A BUNDLE.



Five 12 Inch. Oval Tines, Width at Point 9½ in. Plain Ferrule, Multi-Curved Shank.

No. 23 —4 or 4½ ft. handle, per dozen .....JIFJ $25.50
No. 223—Batcheller, 4 ft. handle, per dozen .....JIFJ $25.50

ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 43 LBS.



Five 12 Inch Oval Tines, Width at Point 9½ in. Strap Ferrule, Multi-Curved Shank.

No. 24 —4 or 4½ ft. handle, per dozen .....AJCE $27.50
No. 224—Batcheller, 4 or 4½ ft. handle, per dozen .....AJCE $27.50
No. 024—Golden Eagle, 4 or 4½ ft. handle .....per dozen JHCJ $25.70

ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 44 LBS.

LONG HANDLE MANURE.



No. 26.

Six 12 Inch Oval Tines, Width at Point 9 ½ in. Plain Ferrule, Multi-Curved Shank.

No. 25 —4 or 4½ ft. handle, per dozen .....AAAJ $29.50
No. 2250—Batcheller, 4 ft. handle, per dozen .....AAAJ $29.50
No. 025—Golden Eagle, 4 or 4½ ft. handle .....per dozen JHIJ $27.50

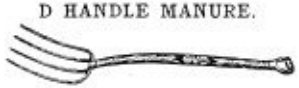
ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 45 LBS.

Six Tines, Strap Ferrule, Multi-Curved Shank.

No. 26 —4 or 4½ ft. handle, per dozen .....ABAE $31.50
No. 226—Batcheller, 4 ft. handle, per dozen .....ABAE $31.50
No. 026—Golden Eagle, 4 or 4½ ft. handle .....per dozen JIEE $29.50

ONE DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 47 LBS.

D HANDLE MANURE.



Four 13 Inch Oval Tines, Width at Point 9¼ in. Plain Ferrule, Multi-Curevd Shank.

No. 27 ...per dozen JGHJ $18.25
No. 027—Golden Eagle, per dozen .....JFAE $16.75

ONE-HALF DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 36 LBS.



Four 13 Inch Oval Tines, Width at Point 9¼ in. Strap Ferrule, Multi-Curved Shank.

No. 28 .. per dozen JHGJ $20.25
No. 228—Batcheller, per dozen .....JHGJ $20.25
No. 028—Golden Eagle, per dozen .....JGFJ $18.75

ONE-HALF DOZEN IN A BUNDLE. AVERAGE W'T PER DOZEN 40 LBS.

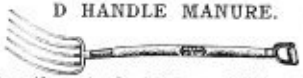


Five 12 Inch Oval Tines, Width at Point 9½ in. Plain Ferrule, Multi-Curved Shank.

No. 29 ...per dozen AJAJ $26.75
No. 229—Batcheller, per dozen .....AJAJ $26.75
No. 029—Golden Eagle, per dozen .....JHJJ $24.95

ONE-HALF DOZEN IN A BUNDLE. AVEPAGE W'T PER DOZEN 40 LBS.

D HANDLE MANURE.



Five 12 Inch Oval Tines, Width at Point 9½ in. Strap Ferrule, Multi-Curved Shank.

No. 30 ...per dozen AJHE $28.75
No. 230—Batcheller, per dozen .....AJHE $28.75
No. 030—Golden Eagle, per dozen .....JHGE 25.95

AVERAGE W'T PER DOZEN 41 LBS.



Six 12 Inch Oval Tines, Width at Point 9k in. Plain Ferrule, Multi-Curved Shank.

No. 31 ...per dozen AAFJ $30.75
No. 031—Golden Eagle, per dozen .....JIDJ $28.75

AVERAGE W'T PER DOZEN 43 LBS.



Eix 12 Inch Oval Tines, Width at Point 9¼ in. Strap Ferrule, Multi-Curved Shank.

No. 32 ...per dozen ABCE $32.75
No. 032—Golden Eagle, per dozen .....JIIE $30.75

AVERAGE W'T PER DOZEN 45 LBS.

No. 32½ —City pattern extra wide long tines, per doz. AGCJ $24.00

AVERAGE W'T PER DOZEN 57 LBS.

D HANDLE ENSILAGE.



No. 33.

Strap Ferrule, Blue Finish, D Handle.

No. 33 —8 oval 16 in. tines, width at point 14 in., sides turned up, per dozen .....AEHE $22.00
No. 33¼ —10 oval 16 in. tines, width at point 15 in., sides turned up, per dozen .....AHGJ $26.00
No. 33½ —8 oval 16 in. tines, width at point 14 in., sides not turned up, flat sides, per dozen AEHE $22.00
No. 33¾ —10 oval 16 in. tines, width at point 15 in., sides not turned up, flat sides, per dozen AHGJ $26.00

AVERAGE W'T PER DOZEN 72 LBS.

REVONOC MILO MAIZE OR ENSILAGE FORKS.

Strapped Ferrule, Blue Finish, "D" Handle, Not Polished. Oval Tines, 16 in. Long.

SIDES TURNED UP.

No.	No. of Tines.	Width at Point, in.	Per Dozen.
033	8	14	ADAJ $23.00
033¼	10	15	AECE 24.00

FLAT SIDES.

033½	8	14	ADAJ $20.00
033¾	10	15	AECE 24.00
0333	8	15½	ACHJ 24.00

No. 0333—17½ in. between tines.

AVERAGE W'T PER DOZEN 66 LBS.

ALL ABOVE ONE-HALF DOZEN IN A BUNDLE.

SPADING FORKS, POTATO AND MANURE

OVB Forks, Blue Ferrule, Bronze Tines and Cap. Batcheller, Bronze Cap, Ferrule and Tines. Golden Eagle, Blue Tines, Cap and Ferrule. OVB Hooks, Bronzed Tine, Cap and Ferrule.

D HANDLE SPADING FORKS.



Four 11½ Inch Tines, Width at Point 7½ in. Plain Ferrule, Malleable D Handle.

No. 42 OVB—Light, angular tines, per dozen .....JHJE $23.00

No. 242—Batcheller, light, diamond back tines .....per dozen JHJE $23.00

No. 042—Golden Eagle, light, angular tines .....per dozen JFEJ $21.75

No. 0042—Empire, light, angular blued tines .....per dozen JEGJ $19.75

HALF DOZEN IN A BUNDLE; AVERAGE W'T PER DOZ. 49 LBS.



Heavy, Four Flat 11½ Inch Tines, Width at Point 7½ in. Malleable D Handle.

No. 40 OVB—Plain ferrule, per dozen,.....JHDE $24.25

No. 41 OVB—Strap ferrule, per dozen .....JIBJ $26.25

HALF DOZEN IN A BUNDLE; AVERAGE W'T PER DOZ. 59 LBS.



Four 11½ Inch Tines, Width at Point 7½ in. Strap Ferrule, Malleable D Handle.

No. 43 OVB—Light, angular tines, per dozen .....JHGE $25.00

No. 243—Batcheller, light, diamond back tines .....per dozen JHGE $25.00

No. 043—Golden Eagle, light, angular tines .....per dozen JGAJ $23.75

No. 0043—Empire, light, angular blued tines .....per dozen JFCJ $21.75

HALF DOZEN IN A BUNDLE; AVERAGE W'T PER DOZ. 50 LBS.

Four Tines, Plain Ferrule, Malleable D Handle.

No. 44 OVB—Heavy, angular tines, per dozen .....JHDE $24.25

Four Tines, Strap Ferrule.

No. 45 OVB—Malleable D handle, heavy, angular tines, per dozen .....JHDE $26.25

No. 51 OVB—Wood D handle, extra heavy, angular tines, per dozen .....ABDJ $32.50

Five Tines, Strap Ferrule, Malleable D Handle.

No. 48 OVB—Angular tines, per dozen .....ABJE $34.50

HALF DOZEN IN A BUNDLE; AVERAGE W'T PER DOZ. 50 LBS.

LONG HANDLE SPADING FORKS.



Heavy, Angular 12 Inch Tines, Width at Point 7½ in. Strap Ferrule, 4½ ft. Handle.

No. 45½ OVB—4 tines, per dozen .....JHGE $25.00

No. 50 OVB—5 tines, per dozen .....AAFJ $33.25

HALF DOZEN IN A BUNDLE; AVERAGE W'T PER DOZ. 66 LBS.

POTATO DIGGING FORKS.



Six 11 Inch Oval Tines, Width at Point 9 in. Strap Ferrule.

No. 46 OVB—D handle, w't per doz. 45 lbs.....per dozen AJDJ $27.50

No. 47 OVB—4½ ft. straight handle, w't per doz. 46 lbs., per dozen .....JIIE $26.25

HALF DOZEN IN A BUNDLE.

POTATO HOOKS.



No. 14 OVB—4 flat 7 in. tines, width at point 6 in., plain ferrule, w't per doz. 28 lbs.....per dozen JEGE $14.50

No. 16 OVB—6 flat 7 in tines, width at point 6 in., plain ferrule, w't per doz. 30 lbs...per dozen JGEE $19.00

ONE DOZEN IN A BUNDLE.



No. 24 OVB—4 round 7 in. tines, width at point 6 in., plain ferrule, w't per doz. 26 lbs., per dozen .....JEEE $14.00

No. 25 OVB—5 round 7 in. tines, width at point 6 in., plain ferrule, w't per doz. 28 lbs., per dozen .....JFIE $17.50

ONE DOZEN IN A BUNDLE.

POTATO HOOKS.



No. 15 OVB—5 6¼ in. oval tines, width at point 6½ in., plain ferrule, w't per doz. 30 lbs., per dozen .....JFIE $17.50

ONE DOZEN IN A BUNDLE.



No. 26 OVB—6 round 7 in. tines, width at point 6½ in., plain ferrule, w't per doz. 27 lbs., per dozen .....JGHJ $19.00

ONE DOZEN IN A BUNDLE.

MANURE HOOKS.



No. 34 OVB—4 round tines, extra heavy, plain ferrule, w't per doz. 40 lbs.....per dozen JFDE $17.50

ONE DOZEN IN A BUNDLE.

STONE HOOKS.



No. 4 OVB—4 heavy angular tines, 5 ft. handle, plain ferrule, w't per doz. 42 lbs. .....per dozen JIIE $22.50

No. 5 OVB—5 heavy angular tines, 5 ft. handle, plain ferrule, w't per doz. 50 lbs. .....per dozen ABBJ $30.00

ONE DOZEN IN A BUNDLE.

FORKS.

D HANDLE POTATO SCOOP FORKS.



Strap Ferrule.

No. 708 —8 oval tines, blunt ends, 15 in. long, 12 in. wide, w't per doz. 76 lbs .....per dozen **ACGJ** $20.00

No. 710 —10 oval tines, blunt ends, 15½ in. long, 14 in. wide, w't per doz. 90 lbs....per dozen **AFDJ** $24.00

No. 712 —12 oval tines, blunt ends, 17 in. long, 17 in. wide, w't per doz. 102 lbs...per dozen **AIAE** $28.00

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE FARMERS' FORKS.



Strap Ferrule.

No. 608 —8 oval tines, blunt ends, 15 in. long, 11½ in. wide, w't per doz. 75 lbs....per dozen **ACGJ** $20.00

No. 610 —10 oval tines, blunt ends, 16 in. long, 14 in. wide, w't per doz. 90 lbs....per dozen **AFDJ** $24.00

ONE-HALF DOZEN IN A BUNDLE.

POTATO SCOOPS.



D Handle, Strap Ferrule.

No. 1 —**Champion**, tinned steel wires, 13½x16 in., w't per doz. 70 lbs., per dozen .....**AEFJ** $21.00



D Handle, Strap Ferrule.

No. 2 —Malleable iron, back strapped, 13x16 in., w't per doz. 80 lbs., per dozen .....**ADDJ** $18.00

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE BEET FORKS.



Strap Ferrule.

No. 807 —Scoop shape, 7 round tines, ball ends, 16½ in. long, 13 in. wide, 32 in. handle, w't per doz. 80 lbs.....per dozen **ACGJ** $20.00

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE SHAVING FORKS.



Strap Ferrule.

No. 306 —6 oval tines, 3 in. between tines, w't per doz. 60 lbs., per dozen .....**AEJE** $22.00

ONE-HALF DOZEN IN A BUNDLE.

COTTON SEED FORKS.



Strap Ferrule.

No. 310 —10 diamond tines, 17 in. long, 14 in. wide, 1½ in. between tines, w't per doz. 90 lbs., per dozen .....**AFDJ** $24.00

No. 312 —12 diamond tines, 17 in. long, 18 in. wide, 1¼ in. between tines, w't per doz. 103 lbs., per dozen .....**AIAE** $28.00

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE CINDER, ORE OR STONE FORKS.



Sterap Ferrule.

No. 408 —8 heavy square tines, 13 in. long, 10½ in. wide, 1¼ in. between tines, w't per doz. 84 lbs., per dozen .....**ACGJ** $20.00

No. 410 —10 heavy square tines, 14½ in. long, 13 in. wide, 1¼ in. between tines, w't per doz. 92 lbs., per dozen .....**AGAJ** $25.00

No. 412 —12 heavy square tines, 14 in. long, 11½ in. wide, ¾ in. between tines, w't per doz. 94 lbs., per dozen .....**AIHE** $29.00

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE COKE FORKS.



Strap Ferrule.

No. 110 —10 diamond tines, 17 in. long, 14 in. wide, 1¼ in. between tines, w't per doz. 90 lbs., per dozen .....**AFDJ** $24.00

No. 112 —12 diamond tines, 17 in. long, 18 in. wide, 1¼ in. between tines, w't per doz. 104 lbs., per dozen .....**AIAE** $28.00

No. 114 —14 diamond tines, 17 in. long, 18 in. wide, 1 in. between tines, w't per doz. 116 lbs., per dozen .....**BBEE** $33.00

No. 116 —16 diamond tines, 17 in. long, 18 in. wide, ⅞ in. between tines, w't per doz. 124 lbs., per dozen .....**BGCE** $40.00

Coke forks are made with wood or malleable D handles.

ONE-HALF DOZEN IN A BUNDLE.

D HANDLE COAL FORKS.



Strap Ferrule.

No. 212½ —12 diamond tines, 15 in. long, 13 in. wide, ¾ in. between tines, w't per doz. 100 lbs., per dozen .....**AIHE** $29.00

No. 214½ —14 diamond tines, 15 in. long, 12½ in. wide, ⅝ in. between tines, w't per doz. 90 lbs., per dozen .....**BBEE** $33.00

No. 216 —16 diamond tines, 15 in. long, 14 in. wide, ⅝ in. between tines, w't per doz. 100 lbs., per dozen .....**BGCE** $40.00

ONE-HALF DOZEN IN A BUNDLE.

RAKES.

GARDEN.



GVB

Gold Bronzed Steel Bow and Ferrule Polished Edges, Gray Teeth.

Nos.	112	114	116
Wdth head, in.	12	14	16
Teeth	12	14	16
W't, lbs.	34	38	40
Per dozen	$19.50	20.75	22.25
	JFDJ	JFIJ	JGDJ



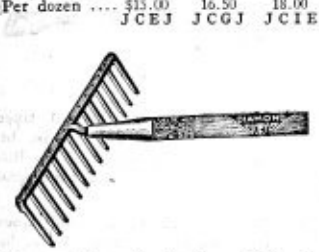
Diamond, Malleable Iron, Heavy Shank and Head, Blue Head and Ferrule Curved Teeth.

Nos.	310	312	314	316
Wdth hd, in.	10	12	14	16
Teeth	10	12	14	16
W't, lbs.	26	28	30	32
Per dozen	$6.00	6.50	7.00	7.50
	BJE	BBJ	BCE	BEJ



Golden Eagle, Steel, Heavy Shank, Blue Head and Ferrule, Straight Teeth.

Nos.	212	214	216
Wdth head, in.	12½	14½	16½
Teeth	12	14	16
W't, lbs.	28	32	35
Per dozen	$15.00	16.50	18.00
	JCEJ	JCGJ	JCIE



Diamond, Gray Teeth, Bronzed Ferrule and Shank, Electric Forged Steel.

Nos.	12	14	16
Wdth head, in.	12	14	16
Teeth	12	14	16
W't, doz., lbs.	28	32	33
Per dozen	$15.00	16.50	18.00
	JCBE	JCEJ	JCHJ

An extra strong rake, the teeth being welded in by electricity.

ONE DOZEN IN A BUNDLE.

STEEL BOW.



Golden Eagle, Bronzed Bow and Ferrule, Gray Teeth.

Nos.	512	514	516
Wdth head, in.	12	14	16
Teeth	12	14	16
W't per doz.	33	35	37
Per dozen	$17.40	18.00	19.00
	JCIE	JDEJ	JDGJ

ONE DOZEN IN A BUNDLE.

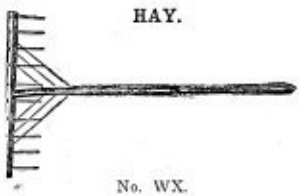
COAL OR ROAD.



No. 416—16 black teeth, bronze ferrule, malleable iron, extra heavy, w't per doz. 52 lbs....per dozen **JEAJ** $22.00

ONE-HALF DOZEN IN A BUNDLE.

HAY.



No. WX.

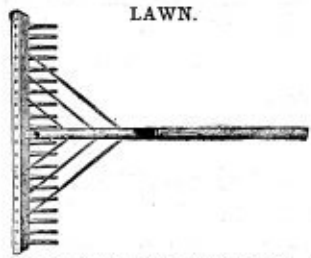
Mortised Wood Teeth, Wire Braced.

No. 0—Plain, 10 teeth, 2 bow, w't per doz. 25 lbs. .....per dozen **BGE** $4.00

No. WX—Premium, oiled, 10 teeth, 3 bow, w't per doz. 26 lbs., per dozen .....**CJJ** $4.50

ONE DOZEN IN A BUNDLE.

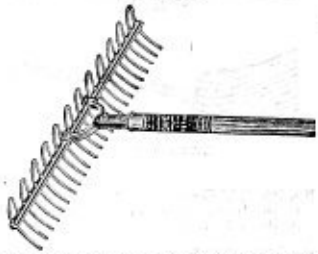
LAWN.



No. 20—Lawn, wood, wire braced, 20 teeth, w't per doz. 30 lbs., per dozen .....**CIJ** $6.00

ONE DOZEN IN A BUNDLE.

LAWN.



No. 1240 [illegible]—Uniformly tinned, 24 teeth, securely bolted socket, selected handles, w't per doz. 21 lbs. per dozen .....**JDBJ** $7.00

ONE DOZEN IN A BUNDLE.



No. 124 [illegible]—Tinned, 24 teeth, heavy socket, extra wide brace, w't per doz. 19 lbs. .....per dozen **CCE** $6.00

No. 128 [illegible]—Tinned, 28 teeth, heavy socket, extra wide brace, w't per doz. 23 lbs. .....per dozen **DEE** $8.00

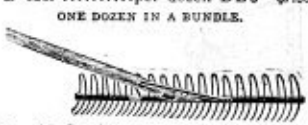
ONE-HALF DOZEN IN A CRATE.



No. 25—Ole Olsen, lawn, well seasoned, straight grained hardwood, oil finished, malleable ferrule, 26 teeth, w't per doz. 27 lbs...per dozen **DEJ** $7.50

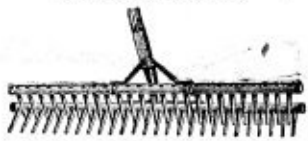
No. 27—Ole Olsen, straight head, otherwise same as No. 25, w't per doz. 27 lbs. .....per dozen **DEJ** $7.50

ONE DOZEN IN A BUNDLE.



No. 36—Jumbo, lawn, double braced steel, 36 wire teeth, w't per doz. 52 lbs., per dozen .....**JFJJ** $11.00

ONE DOZEN IN A BUNDLE.

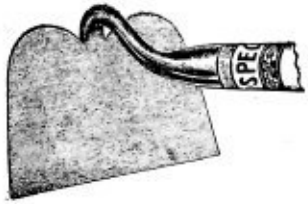


No. 26—Automatic, lawn, self clearing, 22 wood teeth, w't per doz. 47 lbs., per dozen .....**JEEJ** $12.00

No. 28—26 teeth, otherwise same as No. 26, w't per doz. 52 lbs., per dozen .....**JFCJ** $16.00

ONE-HALF DOZEN IN A CRATE.

HOES.



No. 10 —Special high grade razor steel blade welded to soft steel back, 6, 6½, 7, 7½ and 8 in. blade, 4 ft. handle, w't per doz. 28 lbs., per dozen .....**JFFE** $18.00

These hoes are made with special high grade razor steel, welded to a soft steel back, and will always keep sharp; they have high grade, well tapered and finished handles.



No. 12 —Solid socket, cast steel, gold bronzed, 6, 6½, 7, 7½ or 8 in. polished blade, 4½ ft. handle, w't per doz. 28 lbs...per dozen **JEBE** $15.75

No. 13—Tom Purdon's, solid socket, cast steel, gold bronzed, 6½, 7, 7½ or 8 in. polished blade, 4½ ft. handle, w't per doz. 26 lbs.....per dozen **JDCE** $14.75

ONE DOZEN IN A BUNDLE.



No. 14 —Solid shank, cast steel, gold bronzed, 6½, 7 or 7½ in. polished blade, 4½ ft. handle, w't per doz. 25 lbs.....per dozen **JDGE** $14.25

No. 15—Tom Purdon's, solid shank, cast steel, 7 or 7½ in. polished blade, 4½ ft. handle, w't per doz. 25 lbs., per dozen .....**JCIJ** $13.25



No. 16.

No. 16 —Ladies', solid shank, cast steel, gold bronzed, 5 in. polished blade, 4 ft. handle, w't per doz. 18 lbs.....per dozen **JCFE** $11.00

No. 17 —Boys', solid shank, cast steel, gold bronzed, 6 in. polished blade, 4½ ft. handle, w't per doz. 24 lbs.....per dozen **JDCE** $13.00

ONE DOZEN IN A BUNDLE.

GARDEN PLOWS AND HOES.



No. 11 —3½ in. wide, 7 in. long, high grade cold rolled steel coated with blue farm implement lacquer which prevents rust, riveted socket, fitted with standard length hoe handle which bears our label, w't per doz. 31 lbs.,per dozen **JHDJ** $30.00

This implement is used by farmers for cultivating purposes, and for planting by truck gardeners who have not the facilities of horse and power appliances. This device will be found indispensable as results obtained are far superior to the old fashioned hoe or the hand cultivator. Saves time and labor.

Does the same work as all other hoes, easier and to better advantage, and besides cuts sideways and hills. It cultivates the ground, gets closer to growing vegetables without chance of injury. By drawing it between the rows it hills beans, peas, onions, cabbage and other garden truck.

ONE DOZEN IN A BUNDLE.

GARDEN.



No. 19½.

No. 19—Riveted shank, blue finish, 7½ in. polished blade, 4½ ft. handle, w't per doz. 27 lbs., per dozen .....**BJJ** $9.00

No. 19½—Riveted socket, blue finish, 7½ in. polished blade, 4½ ft. handle, w't per doz. 27 lbs., per dozen .....**BBJ** $9.50

BEET.



. Solid Socket, Gold Bronzed, Cast Steel, Polished Blade.

No. 26—Inches	6	7	8
W't, doz., lbs.	23	23	23
Per dozen	$14.50	14.80	15.25
	JFAE	JFCE	JFDE

ONE DOZEN IN A BUNDLE.

PLANTERS'.



Diamond, ⅝ Inch Solid Shank, Gold Bronzed, Polished Cast Steel Blade.

No. 20—Inches	7	7½	8
Handle, ft.	5	5½	5½
Per dozen	$19.00	20.50	21.25
	JDCE	JDCJ	JDHE

No. 20—Inches	9
Handle, ft.	5½
Per dozen	$23.50
	JEDJ

ONE DOZEN IN A BUNDLE; AVERAGE W'T PER DOZEN 45 LBS.

COTTON.



Flick, ⅝ Inch Solid Shank, Polished Steel Blade, Blued Ferrule, Gold Bronzed Cap and Shank.

No. 30—Inches	6½	7
Depth, in.	5	5¼
Handle, ft.	5	5
Per dozen	$15.50	16.25
	JCGE	JCIE

No. 30—Inches	7½	8
Depth, in.	5¼	5½
Handle, ft.	5	5½
Per dozen	$17.00	18.50
	JDAJ	JDDE

ONE DOZEN IN A BUNDLE; AVERAGE W'T PER DOZEN 32 LBS.

SHALLOW COTTON OR MEADOW.



UNITY, ½ Inch Solid Socket, Polished Steel Blade, Gold Bronzed Finish.

No. 33—Inches	8	9
Depth, in.	4	4
Handle, ft.	5	5
Per dozen	$18.00	19.00
	JDFE	JDIJ

ONE DOZEN IN A BUNDLE; AVERAGE W'T PER DOZEN 32 LBS.

HOES.

MORTAR.



No. 200 —Solid shank, gold bronzed, cast steel, 10 in. polished steel blade, strapped ferrule, 6 ft. handle, w't per doz. 50 lbs., per dozen .....JGFJ $28.40

No. 200½ —Solid shank, gold bronzed, cast steel, 10 in. polished steel blade, punched, strapped ferrule, 6 ft. handle, w't per doz. 50 lbs., per dozen .....JHCE $30.90



No. 180 —Solid socket, gold bronzed, 10 in. polished steel blade, 6 ft. handle, w't per doz. 50 lbs., per dozen .....JGFJ $27.90



No. 18 —Solid shank, gold bronzed, cast steel, 10 in. polished steel blade, plain ferrule, 6 ft. handle, w't per doz. 50 lbs., per dozen .....JFIJ $25.40

No. 100 —Hung straight, otherwise same as No. 18, w't per doz. 48 lbs.....per dozen JFIJ $25.40

No. 18½ —Solid shank, gold bronzed, cast steel, 10 in. polished steel blade, punched, plain ferrule, 6 ft. handle, w't per doz. 50 lbs., per dozen .....JGEE $27.90

ONE DOZEN IN A BUNDLE.

WARREN.



No. 020—Cast steel, polished blade, 7 in. gold bronzed socket, w't per doz. 25 lbs. .....per dozen JGDJ $16.50

No. 020½—Cast steel, polished blade, 7½ in., gold bronzed socket, w't per doz. 28 lbs. ...per dozen JGGE $17.50

ONE DOZEN IN A BUNDLE.

ONION AND NURSERY.



No. 22 —Solid shank, gold bronzed, cast steel, polished blade, 6½, 7 and 7½ in., 4½ ft. handle, w't per doz. 23 lbs., per dozen .....JDIE $14.00

ONE DOZEN IN A BUNDLE.



No. 27 —Square top, solid shank, cast steel, gold bronzed, 7 in. blade by 1¼ in. deep, polished, 4½ ft. handle, w't per doz. 17 lbs., per dozen .....JEEE $14.00

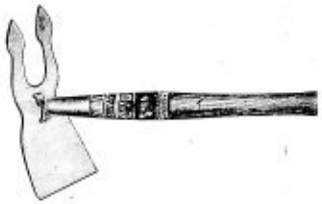
ONE DOZEN IN A BUNDLE.

WEED.

Polished and Tempered Blades, Double Steel Shanks, 4½ Ft. Smooth Finished Handles.



No. 51 —1 prong, forged steel tapered blades, 3½x9 in., w't per doz. 24 lbs. .....per dozen JBHJ $11.00



No. 72 —2 prongs, spear shape, 3½x9, w't per doz. 24 lbs., per dozen .....JCJJ $13.00

The cheapest good hoe obtainable. The spear points make them in some ways more useful than ordinary hoes for they will enter soil which is too hard packed for the common hoe and they will weed closer to the plants. The blades are hung at an angle insuring ease of operation.

ONE-HALF DOZEN IN A BUNDLE.

WEED OR ONION.



No. 41—1 prong, sharp point, cast steel, polished blade, 9x3½ in., 4 ft. handle, steel ferrule, w't per doz. 18 lbs., per dozen .....BJJ $9.00



No. 62—2 prong, cast steel, polished blade 9x3½ in., steel ferrule, 4 ft. handle, w't per doz. 22 lbs., per dozen .....JBBJ $11.00

ONE DOZEN IN A BUNDLE.

HOES.

WEED.



No. 25—Acme, polished, corrugated steel blade, 4¾x9½ in., steel ferrule, 4 ft. handle, w't per doz. 25 lbs., per dozen ..... **JFCJ** $20.00

ONE-HALF DOZEN IN A BUNDLE.



No. 2 [illegible]—6 prong, width of blade 3½ in., cast steel, 4½ ft. handle, w't per doz. 26 lbs., per doz. **JEIE** $17.00

ONE DOZEN IN A BUNDLE.



No. 3 [illegible]—4 prong, width of blade 6 in., cast steel, 4½ ft. handle, w't per doz. 24 lbs.....per dozen **JEBE** $15.00

Nos. 2 and 3 will be found very useful in raking under plants and bushes. By simply reversing you have a hoe. The blade is shaped, hung and polished exactly like our best hoes—there are no slots, rivets, welds or other annoying features, it's as trim and clean as you could wish, all one piece of steel.

ONE DOZEN IN A BUNDLE.

SCUFFLE.



No. 80 [illegible]—8 in., cast steel, polished blade, blue finished steel ferrule and brace, extra heavy 5 ft. handle, w't per doz. 40 lbs., per doz. **JEAJ** $12.00

ONE DOZEN IN A BUNDLE.

ITALIAN GRAPE.



No. 70—Blade 7x9 in., half polished and gilded, 3½ ft handle, w't per doz. 55 lbs.....per dozen **JIFJ** $10.00

In hard clay, or where thick runners, roots and stones abound, it takes good steel and plenty of weight for a hoe to make good. It must stand ready to be used as an axe, a hammer and a hoe, with lots of muscle behind it. This true temper hoe has a tool steel blade which we have forged by hand and carefully tempered—it is not cut from a steel sheet. Extra heavy eye is of carefully annealed iron and the handle is turned from second-growth white ash, shaped to fit the hand and polished very smooth.

PLANTERS' EYE.



Solid Forged Steel, Half Polished, Unhandled.

Sizes	0	1	2	3
Width, in...	7	7½	8	8½
W't per doz., lbs.	20	21	22	23
Per dozen ...	$5.75	6.00	6.50	7.00
	BGE	BGE	BIE	CBJ

Sizes	4	5	6
Width, in.	9	9½	10
W't per doz., lbs.	26	28	32
Per dozen ...	$7.50	8.00	8.50
	CDJ	CFE	CIJ

PLANTERS' EYE.



Sprouting.

No. 7/0—Giant pattern, 4½x9 in., crucible cast steel, polished, unhandled, w't per doz. 21 lbs., per dozen ..... **CDJ** $9.00



Hilling.

No. 8/0—Giant pattern, 6x8 in., crucible cast steel, polished, unhandled, w't per doz. 22 lbs., per dozen ..... **CDJ** $9.00



German, Handled, Solid Cast Steel, Polished, 4½ Foot Handle.

Nos.	4/0	3/0	2/0
Width, in.	5½	6	6½
W't per doz., lbs.	38	40	42
Per dozen ...	$8.50	9.00	9.50
	DEJ	DGE	EJJ



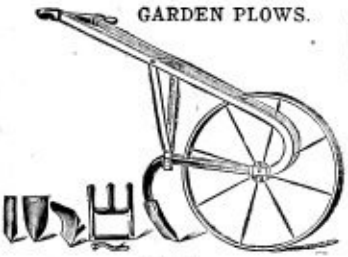
Grub, Handled, Solid Cast Steel, 4½ Foot Handle.

No. 6/0—4½x8 in., polished blade, w't per doz. 46 lbs., per dozen **EJJ** $9.50

ONE DOZEN IN A BUNDLE.

GARDEN PLOWS AND SEEDERS.

GARDEN PLOWS.



No. 419 [illegible]—Adjustable standard, all steel construction with varnished hardwood cross handle, frame painted red, steel tools, 24x1⅞ in. wheel, 11x5 in. moldboard with landslide, weeder and cultivator combined, 4x8 in. shovel, 7x2 in. calf tongue, w't 25 lbs. .....each **BBJ** $4.00

This plow is noted for its easy running qualities; it can be propelled with a minimum amount of strength. The cross handle makes it more easily guided and pushed, with less strain on the arms.

Instead of pushing directly against the axle the handles extend above and beyond the axle, thus elevating the draft and making it run much easier. The handles may be raised or lowered to suit man or boy.

The weeder and cultivator is a reversible tool. The cultivator end has three 4½ inch teeth spaced three inches apart, which is much better than a rake. The weeder is formed with a knife that pushes along under the earth and cuts off the weeds which fall back through the opening.



[illegible]

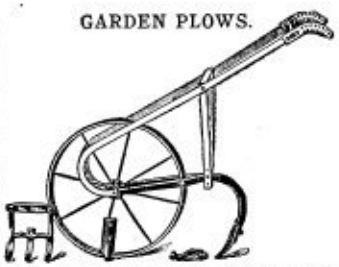
No. 425 [illegible]—Improved by having brace between the upright bars, connecting handle and beam, adjustable standard, No. 1 quality oak handles varnished with black hand holds, 24x1⅞ in. wheel, steel tools, cultivator with dodge center tooth, side teeth 5 in., center tooth 6 in., 8½ in. weeder, 11x5 in. moldboard with landslide, 4x8 in. shovel, 7x2 in. calf tongue, w't 24 lbs., each **BAE** $4.00

It is so constructed that it can be arranged for working in either heavy or light soil, by adjusting only two small bolts.

In this plow the center of weight falls directly over the pivoting point, making it self-balancing.

Instead of pushing directly against the axle the handles extend above and beyond the axle, thus elevating the draft and making it run much easier. The handles may be raised or lowered to suit man or boy.

GARDEN PLOWS.

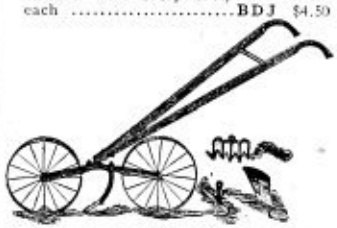


No. 420 [illegible]—Same principle and shape as No. 425 [illegible], but with steel handles, malleable iron hand grip, giving all steel construction, height of wheel 24 in., complete with moldboard with landslide, shovel, calf tongue, weeder and cultivator, w't 20 lbs. .....each **BDJ** $4.00

Handle can be raised or lowered to suit man or boy; self-balancing.



No. 20 [illegible]—Perfect adjustment, perfect balance, 24 in. wire wheel, light but strong, No. 1 quality oak handles, varnished and with black grips, frame painted green, attachments furnished, double end shovel 10 in. long, 2 in. wide at one end and 3½ in. on other, combined rake and sweep 8 in. wide, mouldboard with landslide—practically 5 tools—a good wrench with every tool, each .....**BDJ** $4.50



No. 426—Il-a-noy, two wheels, best quality oak handles, steel braces nicely finished, 16 in. wheels with rims 1¼ in. wide, adjustable for deep, medium or shallow cultivation, steel tools, 10 in. reversible bull tongue 2 in. wide at one end and 3½ in. on other, sweep, rake, mouldboard and wrench, w't 21 lbs., each **BAJ** $3.50

GARDEN PLOWS.



No. 4—Il-a-noy, single and double wheel, adjustable bent oak handles braced near top, enabling operator to work to and from the row or between the hills, 16 in. wheel, all attachments made from hard steel, ground and polished with separate operations, complete with four shovels, one pair hoes, one pair diamonds, one pair rakes, two leaf guards and wrench, w't 35 lbs., each **EEJ** $9.00

COMBINATION PLOW AND SEEDER

Complete outfit for all garden work. Will plant seed in hills at 4, 6, 8, 12 and 24 in. apart or drill a continuous row accurately.



No. 9—Il-a-noy, combined double and single wheel, chain drive, adjustable, best quality bent oak handles, 16 in. steel wheels, very best steel tools, one set of four cultivating teeth, one pair hoes, one pair plows, one pair rakes, one hill and drill seeder, one wrench, shipping w't 58 lbs., each .....**JIFJ** $15.40

MIDGET SEEDER ATTACHMENTS.



Will drill almost any kind of garden seed from the size of celery to peas and beans. While hopper holds one pint, it will handle and will drill a 5c package of seed just as well as a larger amount.

No. 24—8 in. wheel, with wire spokes, steel rim 1¼ in. wide, hopper and shoe of gray iron, seed coverer of malleable brass seed tube, will attach to almost any single wheel cultivator that has slotted shank and 5½ inches or more space between the shank and wheel, attaches to cultivator with one bolt, is small, light and very easily adjusted, shoe is adjustable to any depth desired, an index naming the different varieties of seed is in plain view and no trouble to adjust, w't, packed, 7 lbs., each .....**BEJ** $4.00

GARDEN TOOLS.

WEEDERS.



No. 22—Norcross, 3 prongs, ¾ in. square spring steel, attached to malleable head by two bolts, prongs detachable by loosening nuts, metal parts painted black, except shovels which are silver bronzed, 9 in. natural wood finish handle, w't per doz. 10½ lbs., per dozen .....**BGJ** $5.50

Designed for use in flowers, small shrubbery, etc., or for cultivating small vegetables where the use of a long handle tool is less practical. Excellent in strawberries and all similar low-growing plants where tedious hand cultivation is required.

ONE-HALF DOZEN IN A CRATE.



No. 30 [illegible]—5 prongs, tinned, steel ferrule, wood handle, 10 in. long, w't per doz. 3½ lbs., per doz. **JFE** $1.50



No. 33½—Onion, 3 in. polished steel blade, solid shank, 8 in. handle, with steel ferrule, w't per doz. 3 lbs., per dozen .....**BIE** $5.00



No. 35—Hazeltine's, 1 in., cast steel blade, knife edge, brass ferrule, 4 in. hardwood handle, w't per doz. 4 lbs., per dozen .....**BDJ** $5.00



No. 36—Eureka, three 8½ in. cast steel oval polished tines, 5 in. hardwood handle, brass ferrule, tines have 2½ in. turn, w't per doz. 5½ lbs., per dozen .....**CJJ** $5.00

Will fill the demand for a weeder of better quality than the ordinary, being made of the same quality steel and in the same manner as a hay fork.

ONE DOZEN IN A BOX.



No. 39—Cleveland, japanned iron, steel blade, polished wood handle, spring lever, length 44 in., w't per doz. 22 lbs., per dozen .....**JFFJ** $18.00

The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod.

ONE DOZEN IN A BUNDLE.

MATTOCKS.

Blades and Shank Forged From One Piece High Carbon Oil Tempered Steel, Blades 3 in. and 1½ in. wide, respectively, Combined Length 12 in., Blades Taper from One Half Inch Thickness Down to a Sharp Edge, polished and Finished in Gold, Shank Riveted Through Steel Ferrule, 4½ Foot Polished and Waxed Ash Handles.

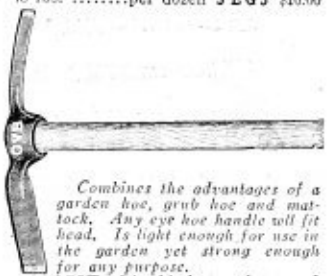


No. 83—Dig Easy, w't per doz. 48 lbs., per dozen .....**EAJ** $9.00



It is one piece. It has the weight. It will cut through a tree root with a single stroke, while bushes, clay and gravel are its regular work.

No. 85—Cut Easy, w't per doz. 48 lbs. .....per dozen **JEGJ** $10.00



Combines the advantages of a garden hoe, grub hoe and mattock. Any eye hoe handle will fit head. Is light enough for use in the garden yet strong enough for any purpose.

No. 84—3 in. blade, regular round pick eye, 4½ ft. ash handle, not attached, waxed finish, one piece solid spring tempered steel, shipping w't of mattocks per doz. 28 lbs., of handles 25 lbs. .....per dozen **JEDJ** $10.00

ONE-HALF DOZEN IN A BUNDLE, ONE DOZEN IN A CASE.

SOD LIFTERS.



No. 90—9 in. polished steel blade, strap ferrule, gold bronzed shank and ferrule, malleable iron "D" handle, with ebonized wood grip, length of handle 2¼ ft., length over all 4 ft., w't per doz. 50 lbs. ..per dozen **AAJE** $14.00

DANDELION SPUDS.



No. 37—2½ in., polished steel blade and ferrule, 4½ ft. handle, w't per doz. 13 lbs. .....per dozen **ABJ** $4.00

ONE DOZEN IN A BUNDLE.

THISTLE CUTTERS.



No. 82—8x2 in., cast steel, polished blade, gold bronzed steel step and ferrule, 4 ft. handle, w't per doz. 30 lbs., per dozen .....**JEEJ** $10.00

ONE DOZEN IN A BUNDLE.

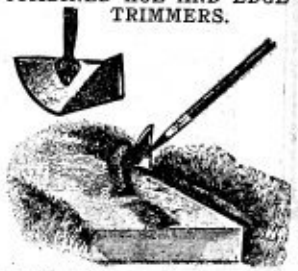
TURF EDGERS.



No. 95—9x5 in., cast steel, polished blade, gold bronzed ferrule, 4 ft. handle, w't per doz. 25 lbs., per dozen .....**JEDJ** $11.50

ONE DOZEN IN A BUNDLE.

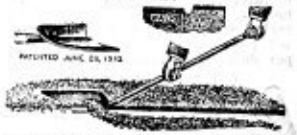
COMBINED HOE AND EDGE TRIMMERS.



No. 1—Hough patent, five keen cutting edges, no lost motion, works going and coming, w't per doz. 36 lbs., per dozen .....**JGHJ** $13.00

ONE DOZEN IN A BUNDLE.

IMPERIAL LAWN EDGE TRIMMERS.



No. 139—Steel blade, 3 ft. handle, w't per doz. 40 lbs., per doz. **JGBJ** $12.00

This plows a clean "U" shaped trench close to sidewalks and is a great time saver.

ONE-THIRD DOZEN IN A BUNDLE.

AUTOMOBILE SPADES.



No. 125—Forged steel blades, 5x8 in., curved and polished, round points, solid shank, malleable D handle, length over all 24 in., w't per doz. 9 lbs. .....**EAJ** $8.50

A convenient tool for all motorists, is very light, can be carried in tool box or under seat and can be used in close quarters. Just the thing for digging ferns or wild flowers on holiday trips. Finished in gold.

TIED ONE-HALF DOZEN IN A BUNDLE.

GARDEN TOOLS.

WEED PULLERS.



No. 42—Champion, three strong steel prongs, heavy malleable head works automatically, length over all 3 ft. 9 in., w't per doz. 11 lbs., per doz. **BDJ** $4.00

Working automatically on the handle and prongs is a wire ejector to loosen and throw the weeds and roots from the prongs. It is superior to any other implement for pulling weeds.

IDEAL DANDELION KILLER.



No. 43—Killer consists of tube for gasoline 30 in. long and 1½ in. in diam., with screw cap at top for filling, and brass valve and plunger in bottom, w't per doz. 12 lbs., per dozen .....**JIFJ** $17.00

Just fill the tube with gasoline, put the valve plunger in the center of the plant, press lightly, and the plant is doomed. The IDEAL is a quick and sure dandelion killer, cheap and easy to use, and does not injure the grass roots.

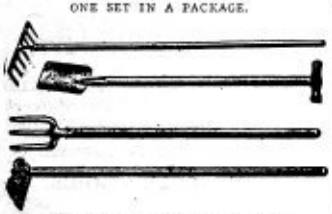
GARDEN SETS.



Hardwood Handles.

No. 1—6 tooth malleable rake, 21 in. handle, 3¼ in. riveted shank steel hoe, 22 in. handle, 5x3¼ in. steel socket shovel, 18 in. straight handle, w't per doz. sets 10 lbs., per dozen sets .....**AJJ** $1.70

ONE SET IN A PACKAGE.



Varnished Hardwood Handles.

No. 3—Blued, 7 tooth solid malleable rake, 30 in. handle, 5 in. riveted shank steel hoe, 30 in. handle, 4x5½ in. steel socket spade, 24 in. T handle, w't per doz. sets 17 lbs., per dozen sets .....**CJJ** $5.00

No. 5—Blued, 7 tooth solid malleable rake, 30 in. handle, 5 in. riveted steel hoe, 30 in. handle, 3 prong steel spading fork, 20 in. T handle, 5½x4 in. steel socket spade, 24 in. T handle, w't per doz. sets 26 lbs., per dozen sets .....**CCJ** $5.50

ONE SET IN A PACKAGE.

GARDEN SETS.



Varnished Hardwood Handles.

No. 15—10 tooth blued steel rake, 36 in. handle, 6x3½ in. hoe, 36 in. handle, 6¼x5 in. square point spade, 27 in. D handle, w't per doz. sets 30 lbs., per dozen sets .....**EDJ** $9.00



Varnished Hardwood Handles.

No. 10—6 tooth solid shank steel rake, 4 ft. handle, 5¼x8 in. heavy steel spade, 27 in. malleable D handle, 5 in. polished blade solid shank hoe, 4 ft. handle, w't per doz. sets 66 lbs. ...per dozen sets **AJBJ** $17.00

ONE SET IN A PACKAGE.

FLORAL SETS.



Varnished, Stained Hardwood Handles.

No. 30—5 tooth steel rake, 12 in. handle, 3¾ in. riveted steel hoe, 12 in. handle, 3 prong malleable iron spading fork, 9 in. handle, 5½ in. polished steel socket trowel, w't per doz. sets 20 lbs. .....per dozen sets **CJJ** $5.00

ONE SET IN A BOX.

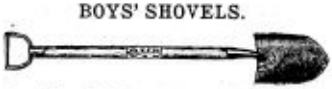
SMALL SPADES.



No. 2—5½x4¼ in. steel socket blade, 22 in. varnished hardwood T handle, w't per doz. 8 lbs., per dozen .....**ABJ** $2.00

ONE-HALF DOZEN IN A BUNDLE.

BOYS' SHOVELS.



No. 025—5½x8 in. heavy steel blade, half polished, riveted socket, 27 in. varnished ash malleable D handle, w't per doz. 32 lbs., per dozen .....**DHJ** $8.00

ONE-HALF DOZEN IN A BUNDLE.

GARDEN CULTIVATOR.



No. 140—Five working adjustments, each workable independent of the others, 4 ft. 4 in. polished and waxed handle, w't per doz. 43 lbs., per dozen .....**JGBJ** $13.00

Simple, strong and practical. Each blade adjustable by itself without disturbing other four. Every part carefully selected and skilfully made. Inexpensive, a necessity for the small truck gardener, a useful adjunct for the large farm.

CULTIVATOR HOES.



As a Seed Drill.

No. 136—Osborne, 3 steel blades and fender, center blade adjustable and removable, 4½ ft. handle, w't per doz. 48 lbs. .....per dozen **JHGJ** $14.50

ONE-HALF DOZEN IN A BUNDLE.





Norcross, Spring Steel Prongs, Malleable Iron Socket and Clamp Plates, Best Quality 4 Foot White Ash Handle, Shovels Forged From the Steel Prongs.

No. 137—5 tines, prongs clamped firmly by 4 strong bolts, w't per doz. 40 lbs., per dozen .....**JGBJ** $12.00



No. 135—3 tines, prongs clamped firmly by 2 strong bolts, w't per doz. 24 lbs., per dozen .....**DHJ** $8.00

GARDEN TOOLS AND GRASS HOOKS.

GARDEN TROWELS.



No. 1—6 in., one-piece heavy sheet steel, full polished, shank bent hollow to give strength, w't per doz. 7 lbs. .....per dozen **BGJ** $4.50

An exceptionally fine trowel, designed for florists and gardeners. It is well made in every particular.

ONE-HALF DOZEN IN A PACKAGE.



No. 2—6 in., blade and trowel shank forged from one piece of steel, front part of blade polished, rear part of blade and shank varnished a nice blue, w't per doz. 8 lbs., per dozen .....**DHJ** $8.00

As fine a trowel as can be made. Great care has been taken in the design, material and workmanship. No detail has been overlooked to produce a satisfactory tool that will last a lifetime.

ONE-HALF DOZEN IN A PACKAGE.



No. 14—Highly tempered carbon steel, hand forged, full polished, solid socket, drop shank, 6 in. blade, total length 12¼ in., w't per doz. 8½ lbs., per dozen .....**JFJJ** $10.00

ONE-HALF DOZEN IN A BOX.



No. 26—6 in., English pattern, extra heavy, cast steel, natural finish, polished, one-piece blade, steel ferrule, hardwood handle, w't per doz. 5½ lbs. .....per dozen **BAJ** $3.00

ONE-HALF DOZEN IN A BOX.



No. 315—One piece heavy steel forming socket, polished point, heel and socket enameled bright red, 6 in. blade, 2 in. at point, 3¾ in. at heel 8 in. polished hardwood handle, 14½ in. over all, w't per doz. 7½ lbs., per dozen .....**BCE** $4.00

ONE-HALF DOZEN IN A BOX.



No. 20—Cruso, 6 in., one-piece steel blade, steel ferrule, polished ebony stained handle, w't per doz. 3½ lbs., per dozen .....**JFJ** $1.00

ONE DOZEN IN A BOX.

GARDEN TROWELS.



No. 115—Cruso, one piece heavy shovel steel forming socket, natural finish, 5½ in. blade, 1½ in. at point, 3 in. at heel, 6 in. hardwood handle, 12 in. over all, w't per doz. 6½ lbs., per dozen .....**JIJ** $2.00

ONE DOZEN IN A BOX.



Polished Steel Blade, Riveted Shank, Steel Ferrule, Polished Hardwood Handle.

No. 6—6 in., w't per doz. 4½ lbs., per dozen .....**EJ** $0.80

No. 7—7 in., w't per doz. 4½ lbs., per dozen .....**EE** $0.95

No. 8—8 in., w't per doz. 5 lbs., per dozen .....**JFE** $1.10

ONE DOZEN IN A BOX.

FLOWER TROWELS.



No. 216—Ladies', 6 in. cold rolled steel blade, firmly riveted by new method, hardwood handle, w't per doz. 3 lbs., per dozen .....**JFJ** $1.00

ONE DOZEN IN A BOX.

TRANSPLANTING TROWELS.



No. 217—6 in., blade and shank of one-piece sheet steel, narrow blade, deeply curved, polished hardwood handle, w't per doz. 3½ lbs., per dozen .....**ABE** $2.00

For many purposes this is better than the bent shank trowel and answers for both trowel and dibble. Unequaled for setting out cabbage, strawberry and tobacco plants. Excellent for lifting and setting out plants and tree seedlings.

ONE DOZEN IN A BOX.

GARDEN FORKS.



No. 400—Strong, nicely finished, with polished hardwood handle, length of prongs 4½ in., length over all 10½ in., cast steel, tinned brass ferrule, w't per doz. 4¾ lbs., per dozen .....**AAE** $2.00

LOOSE.



No. 10—Cruso, malleable iron, brass ferrule, polished hardwood handle, length 9 in., w't per doz. 4½ lbs., per dozen .....**JGJ** $1.20

ONE DOZEN IN A BOX.

DIBBLES.



No. 2180—Wood handle, steel point, 1¼ in. across large part, w't per doz. 12 lbs. .....per dozen **CHJ** $6.30

ONE DOZEN IN A BOX.

GRASS HOOKS.



No. 2—Cruso, cast steel, gold bronzed, ribbed blade, length 16 in., w't per doz. 12 lbs.....per dozen **BAE** $3.30

No. 3—Cruso, cast steel, gold bronzed, ribbed blade, length 18 in., w't per doz. 13 lbs. ....per dozen **BCJ** $3.80

NO. 2, ONE-HALF DOZEN IN A BUNDLE; NO. 3, LOOSE.



No. 1—German, cast steel, oil finish, length 14 in., w't per doz. 5½ lbs., per dozen .....**BDJ** $4.00

The length given is distance from end of handle to tip of blade.

ONE-HALF DOZEN IN A BUNDLE.

GRAIN SICKLES.



Cast Steel, Oil Finish, Serrated Edge.

Nos.	2	3	4
Length, in.	17	18	19
W't per doz., lbs.	7	8	9
Per dozen	$3.40	3.80	4.60
	BJE	**BCJ**	**BFE**

The length given is the distance from tip of blade to end of handle.

ONE-HALF DOZEN IN A BUNDLE.

GRASS HOOKS, SICKLES AND SHEARS.

GRASS HOOKS.



No. 6 —Forged, crucible steel, polished, length assorted, fancy enameled handle, w't per doz. 19 lbs., per dozen ..... CFJ $6.00

ONE-HALF DOZEN IN A BUNDLE.

LONG HANDLE GRASS AND WEED HOOKS.



No. 7 —Best quality crucible steel, oil tempered, blade is 13 in. long and 2½ in. wide at the heel, 3 ft. 8 in. Selected Ash handle, w't per doz. 18 lbs., per doz. JGBJ $15.00

The only sickle that will cut without getting on your knees. Grasp the handle with both hands and you can mow the grass and weeds as with a scythe. Just the thing for use in parks, cemeteries, around shrubbery, trimming weeds and grass around lawns, fence corners, etc.

CAREFULLY PACKED, ONE-HALF DOZEN IN A BUNDLE.



REVONOC

No. 5 REVONOC—Forged tool steel, carefully tempered, 10½ in. blade, 7 in. wood handle, w't per doz. 9½ lbs., per dozen ..... DJJ $6.70

These hooks hang perfectly without muscular effort. By the patent one-piece offset the hand is removed from the ground, enabling a clear swing and a smooth cut.

ONE DOZEN IN A BOX.

GRASS HOOKS.



No. 17 — Little Giant, drop forged steel shank, finely tempered steel blade, length 15 in., enameled wood handle, w't per doz. 13 lbs., per dozen ..... CIJ $6.50

ONE DOZEN IN A PASTEBOARD BOX; TWELVE DOZEN IN A CASE.



No. 13—Little Giant, drop forged steel shank, finely tempered steel blade, length 15 in., enameled wood handle, w't per doz. 13 lbs., per dozen..... OIJ $6.50

ONE DOZEN IN A PASTEBOARD BOX; TWELVE DOZEN IN A CASE.



No. 27—Il-a-noy, high grade steel, hardened and tempered, 12 in. blade, ground and polished edge, balance natural dull finish, oval steel shank painted red, tang runs clear through wood handle and is riveted at the end, plain wood, unpainted, unpolished handle, w't per doz. 9 lbs., per dozen ..... BEJ $4.20

ONE DOZEN IN A PASTEBOARD BOX; TWELVE DOZEN IN A CASE.

GRASS OR SHEEP SHEARS.



5½ in. —Made of finest grade of cutlery steel, highly polished, offset handle fits the hand perfectly, w't per doz. 10 lbs., per doz. JGBJ $12.00

The easiest working shear made. It works equally well on grass or wool.

ONE-HALF DOZEN IN A BOX.

GRASS SHEARS.



Extra Quality, High Carbon Cast Steel, Polished and Etched Blades, Black Bow, Trowel Shank.

6 in. —W't per doz. 9 lbs., per dozen ..... JGBJ $12.00

7 in. —W't per doz. 10 lbs., per dozen ..... JHDJ $14.00

ONE-HALF DOZEN IN A BOX.



REVONOC

5½ in. REVONOC—Good quality steel, hardened and tempered, made to fit the hand with an easy cutting motion, warranted to hold cutting edge, blade polished and etched, handles polished, black bows, w't per doz. 7½ lbs. .....per dozen DHJ $8.00

ONE-HALF DOZEN IN A BOX.



No. 215—Il-a-noy, rust proof, 5½ in., full enameled, trowel shank, thumb and finger grip, w't per doz. 11 lbs., per dozen ..... BGJ $4.50

ONE-HALF DOZEN IN A BOX.



No. 1251—Two Bits, 5½ in., solid steel, not tempered, w't per doz. 7½ lbs., per dozen ..... BJE $3.40

No. 1261—CRUSO, 5½ in., solid steel, tempered, half bright blades, w't per doz. 7½ lbs. .....per dozen BHJ $4.70

ONE-HALF DOZEN IN A BOX.

SCYTHES, SNATHS AND CRADLES.

SHARPENED READY FOR USE.

GRASS SCYTHES.



No. 2 —"Special," finest imported tool steel, oil tempered, double ribbed, full polished web, back and face, under side natural finish, clipper pattern, assorted, 26 to 30, 28 to 32, 30 to 34 in., w't per doz. 32 to 38 lbs., per dozen ..... **JIIJ** $16.50

No. 3 —"Special," with Dutch heel, 28 to 32 and 30 to 34 in., w't per doz. 31 to 38 lbs., per dozen ..... **JIIJ** $16.50

ONE DOZEN IN A CASE.



No. 4 —"Regular Dutchman," finest cutlass steel, double ribbed, full mirror polished web and face, under side natural finish, assorted 26 to 30, 28 to 32, 30 to 34 and 32 to 36 in., w't per doz. 31 to 38 lbs., per dozen ..... **JHGJ** $14.50

ONE DOZEN IN A CASE.



No. 5 —Extra tool steel, double ribbed, black finish, polished edge, assorted, 26 to 30, 28 to 32, 30 to 34, 32 to 34 and 32 to 36 in., w't per doz. 31 to 36 lbs., per dozen **JGHJ** $13.00

ONE DOZEN IN A CASE.



JERMAN, Hand Hammered, Solid Steel, Concave Set Blades, Natural Blued Finish, Tempered.

No. 11/26—26 in., 7 hand, width at heel 3 in., w't per doz. 15 lbs., per dozen ..... **JHGJ** $14.50

No. 11/30—30 in., 8 hand, width at heel 3 in., w't per doz. 22 lbs., per dozen ..... **JIIJ** $16.50

No. 11/34—34 in., 9 hand, width at heel 3 in., w't per doz. 36 lbs., per dozen ..... **AADJ** $19.00

ONE DOZEN IN A CASE.

SWEDISH SCYTHES.



No. 1 —High grade Swedish steel, 28 to 34 in., wide pattern, black finish, polished edge, w't per doz. 32 lbs. .....per dozen **AJBJ** $17.00

ONE DOZEN IN A CASE.

GRAIN SCYTHES.



No. 6 —Tool steel, black finish, 46 in., w't per doz. 40 lbs., per dozen .....**AAAJ** $18.50

ONE-HALF DOZEN IN A BUNDLE.

WEED SCYTHES.



No. 7 —Extra tool steel, polished web and face, set and under side natural finish, wide heel, sharpened, assorted, 26 to 28 and 28 to 30 in., w't per doz. 38 lbs., per doz. **JIJJ** $15.00

No. 8 —Extra tool steel, double ribbed wide heel, black finish, polished edge, sharpened, assorted, 26 to 28 and 28 to 30 in., w't per doz. 37 lbs. .....per dozen **JHDJ** $14.00

ONE DOZEN IN A CASE.

BUSH SCYTHES.



No. 9 —Extra tool steel, double ribbed, polished web and face, under side and set natural finish, sharpened, assorted, 18 to 21 and 21 to 24 in., w't per doz. 38 lbs., per dozen ..... **JIJJ** $15.00

No. 010 —Extra tool steel, double ribbed, black finish, polished edge, sharpened, assorted, 18 to 21 and 21 to 24 in., w't per doz. 36 lbs., per dozen ..... **JHDJ** $14.00

ONE DOZEN IN A CASE.

SNATHS.



No. 50 —Grass, patent loop, adjustable socket, iron trimmed, screw nib, white ash, w't per doz. 50 lbs., per dozen .....**JGHJ** $13.00



Swing Plate.

No. 32—Swing plate for No. 50 snath, per dozen .....**DE** $0.80

Loop Bolts, with nut, for No. 50, per dozen .....**JIJ** $1.50

Wrenches, for No. 50, with nut, per dozen .....**CJ** $0.50

ONE-HALF DOZEN IN A BUNDLE.



Webs or End Catsings for No. 50 snaths, per dozen .....**JGJ** $1.20

For No. 105 Snaths, per doz. **ACJ** 2.20

NIBS OR HANDLES.



No. 50—Complete for No. 50 snaths, per dozen .....**AHJ** $3.00

SNATHS.



No. 100 —Bush, double ring, iron trimmed, screw nib, polished, white ash, w't per doz. 65 lbs., per dozen .....**JHEJ** $14.20

ONE-HALF DOZEN IN A BUNDLE.

Rings, for No. 100, per doz. **JCE** 1.40

Wedges, for No. 100, per doz. **BE** .50



No. 105 —Bush, patent loop, iron trimmed, screw nib, white ash, w't per doz. 60 lbs., per dozen **JIJJ** $15.00

ONE-HALF DOZEN IN A BUNDLE.

Loop Bolts, with nut, for No. 105, per dozen .....**AAJ** $1.80

GRAIN CRADLES.



No. 8—Morgan, 4 fingers, wire braces, ring fastening, assorted, 46, 47 and 48 in., cast steel scythe, w't per doz. 122 lbs. .....per dozen **CABJ** $45.00

ONE-HALF DOZEN IN A BUNDLE.



No. 5—Dutch Bow, 5 fingers, wire braces, Creedmoor patent fastening, assorted, 46, 47 and 48 in., cast steel scythe, w't per doz. 130 lbs., per dozen .....**CDHJ** $50.00

ONE-HALF DOZEN IN A BUNDLE.

CRADLE FINGERS.



No. 1—Plain ash, not mortised or bored, w't per doz. 6 lbs., per dozen .....**JIJ** $2.00

ONE DOZEN IN A BUNDLE.

HAY KNIVES AND FEED CUTTERS.

HAY KNIVES.



No. 1 —Forged crucible steel, full polished nearly up to first handle, balance painted vermilion, two riveted handles, length 36 in., w't per doz. 63 lbs., per doz. **JIJJ** $15.00

This knife is as fine as can be manufactured. The design is the result of twenty years' experience in manufacture. It will cut as rapidly and as easily as any tool made for the purpose.

ONE DOZEN IN A BOX.



No. 7 —American, malleable iron frame, four riveted cast steel sickle edge knives, one fixed and one adjustable handle, length 34 in., w't per doz. 76 lbs., per doz. **JIFJ** $16.00

Square sections, for No. 7 American hay knives, per doz. **BAJ** $3.50

Point sections, for No. 7 American hay knives, per doz. **BFJ** $4.30

ONE-HALF DOZEN IN A CASE.



No. 4 —Cast steel forged blade, two riveted handles, length 36 in., w't per doz. 56 lbs., per dozen ..... **JHDJ** $13.00

ONE-HALF DOZEN IN A BUNDLE.



No. 2 —3 cast steel sections, riveted to malleable frame, wood handle, with malleable D head and step, length 45 in., w't per doz. 56 lbs., per dozen ..... **JGHJ** $14.00

Sections, for No. 2 hay knives, per dozen ..... **AJJ** $3.00

ONE DOZEN IN A CASE.



No. 8 —Sickle edge, four sectional, straight edge, serrated blades of high grade tool steel, sections riveted to a strong, angular, malleable iron bar gradually running to a taper handle, wood grips, adjustable to any desired angle, w't per doz. 100 lbs., per dozen ..... **AJBJ** $17.00



No. 6—Spear Point, cast steel forged blade, painted red, length 24 in., hickory handle, cast steel ferrule, w't per doz. 79 lbs., per doz. **ABJJ** $20.00

ONE-HALF DOZEN IN A CASE.

FEED CUTTERS.



No. 09—11 in. spiral knife, length of feed rollers 11in., top roller has heavy, sharp teeth, lower roller is smooth, heavy balance wheel, making three cuts to one turn of the crank, by changing ratchet cuts 4 different lengths, eccentric feed, and downward shearing cut, capacity about 150 lbs. dry, and 300 lbs. green fodder per hour, w't 160 lbs.....each **AJEJ** $17.50

No. 090—Fitted with pulley for belt power, otherwise same as No. 09, each★ ..... **ABJJ** $20.00

Packed as shown in cut, and in a very compact form, which is a great convenience both in shipping and in the small amount of space required for storage. Strong, handsomely finished, and the original and best knockdown feed cutter on the market today.

FEED CUTTERS.



No. 10—Hard wood frame, best tool steel knife, top caver over mouth and adjustable gauge plate are of steel, cutter and frame around the end of cutting box are of cast iron, w't each 40 lbs. .....each **CAJ** $5.20

The knife is curved to give a shearing cut the full length of the knife. The guard extending above the lever closes the throat box when the knife is down so that no straw can fall out. An adjustable guard is attached just below the knife and can be moved in or out to regulate the length of the cut. The adjustment of the knife is the simplest possible and is adjustable to a fine shearing cut. The knife is easily removed for sharpening.

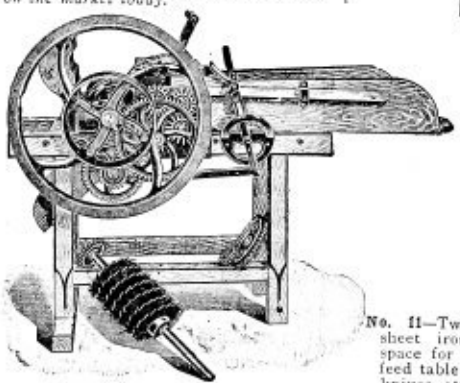
EAR CORN SLICERS.



No. 11—Two Hole, hardwood, heavy sheet iron cover over hood, floor space for machine 2 ft. x 3 ft. 4 in., feed table attachment 3 ft. 8 in. long, knives attached one at each end of heavy cast arm which acts as fly wheel making machine light running, used for hand or belt power, w't each 200 lbs.★ .....each **AECJ** $25.50

No. 011—Fitted with pulley for belt power, otherwise same as No. 11, each★ ..... **AFHJ** $28.00

This machine run by hand power will cut at the rate of 40 bushels per hour.



EAGLE.

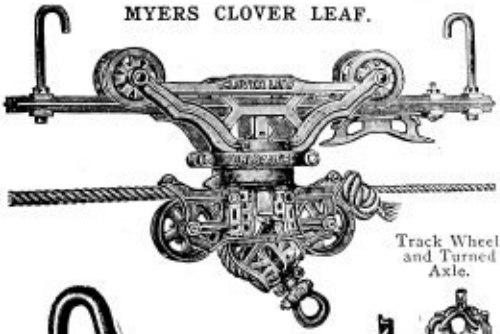
No. 12½—Fitted to be operated by either hand or belt power, 12 in. pulley with 4 in. face, two heavy 11 in. knives, heavy balance wheel, cuts ½, ¾ and 1½ in. lengths, w't 275 lbs., each★ ..... **BEHJ** $38.00

One of the best small power cutters on the market.

★FOR FACTORY SHIPMENT ONLY, LANCASTER, OHIO.

HAY CARRIERS.

MYERS CLOVER LEAF.



Track Wheel and Turned Axle.



Hanging Hook and Clamp.





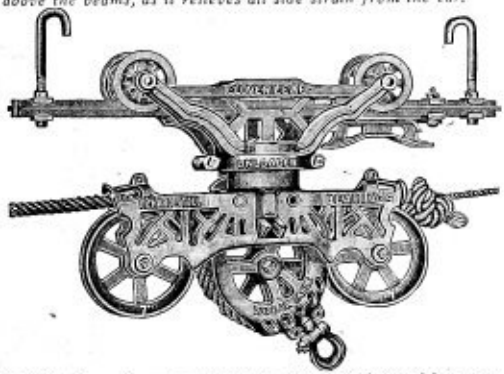
Fork Pulley.

Double Steel Track with Splicing Clamp.

No. 114—Hay Carriers, for double steel track, malleable iron, aluminum finish, 7/8 in. turned steel axles, swivel and reversible, w't 27 lbs.....each **CHJ** $7.00
No. 644—Double Steel Track, with splicing clamps, in lengths of 6 or 12 ft., w't per foot 2 lbs.....per foot **AJ** $0.20
No. 302—Hanging Hooks, 6 in., measured after bending, with clamp, w't per doz. 8 lbs.....per dozen **JGE** $1.40
No. 824—Extra Splicing Clamps, w't per doz. 14 lbs., per dozen .....**AEJ** 2.50
No. 1046—End Stops, for double steel track, per dozen .....**JGJ** 1.00
No. 1085—End Stops, for single steel track, per dozen .....**DE** .60

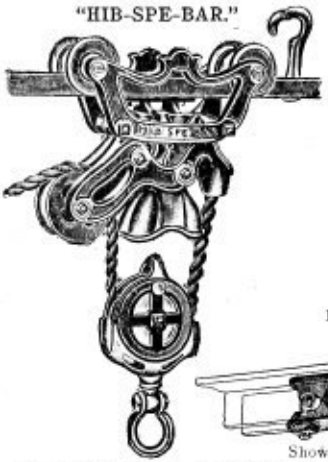
This combination machine (both swivel and reversible) can be reversed by drawing the rope through from end to end or by turning the swivel.

It is constructed with flanged wheels revolving on 7/8 in. turned steel bearings. The lock is composed of three parts and has no springs. The carrier has a large, flaring mouth to receive the fork pulley. The pulley can swing backward or forward without becoming detached. This swinging fork pulley is a decided advantage when used for filling a mow above the beams, as it relieves all side strain from the car.



No. 124—7 in. sheaves, with 1 7/8 in. steel bearings with groove suitable for carrying wire cable or 7/8 in. Manila or Sisal draft rope, w't 37 lbs., otherwise same as No. 114, each .....**DCJ** $8.00

"HIB-SPE-BAR."





No. 45 Rafter Bracket.



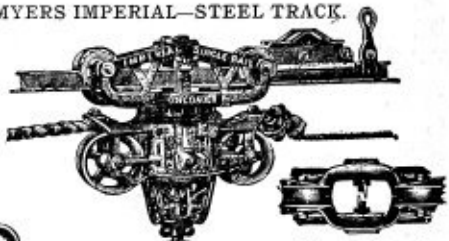
No. 25. Hanging Hook.



Showing No. 20 Track.

No. 4—Hay carriers, for double angle steel track, malleable iron, painted red with two coats of baking enamel, turned iron bushings, swivel and reversible, open bell, for fork or sling, w't 24 lbs. .....each **CJJ** $7.00
No. 20—Steel track, lengths of 6 and 12 ft. per foot **JH** .20
No. 25—Hanging hooks, 5½ in. .....per dozen **JFE** 1.40
No. 45—Rafter brackets, steel .....per dozen **BE** .60
No. 5—Hay carrier, for 4x4 in. wood track, otherwise same as No. 4 .....each **CJJ** $7.00

MYERS IMPERIAL—STEEL TRACK.



Bottom View of Carrier.



No. 519.



Track Wheel and Axle.



No. 301 Rafter Bracket.



Fork Pulley.

No. 155—Hay Carriers, for single steel track, malleable iron, aluminum finish, 7/8 in. turned steel axles, swivel and reversible, w't 32 lbs.....each **CHJ** $7.00
No. 518—Single Steel Track, with splicing blocks, lengths of 6 or 12 ft., w't per foot 2 lbs.....per foot **AJ** $0.20
No. 517—Extra Splicing Clamps, w't per doz. 16 lbs., per dozen .....**AEJ** $2.50
No. 519—Hanging Hooks, two pieces bolted, easily removed, w't per doz. 5 lbs.....per dozen **JGE** $1.40
No. 301—Malleable Rafter Brackets, w't per doz. 3 lbs., per dozen .....**CJ** $0.60

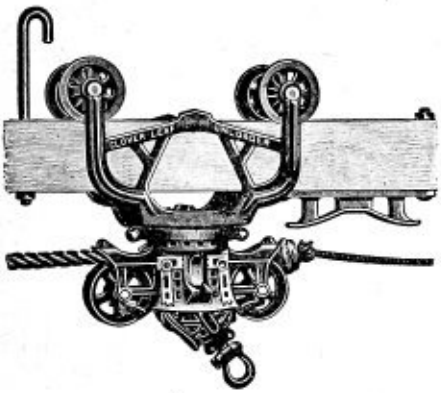
The Imperial Single Rail Carrier is heavy and substantially built. Has wide mouth to receive the fork pulley when approaching from any direction. The track wheels revolve on 7/8 in. steel axle. The rope sheaves have extra long hub. The locking device is composed of three pieces and is so arranged as to grasp the fork pulley on both sides of the frame.

The track is an eye beam 1¼ in. deep with 2 7/16 in. flange at bottom, which forms the tread for the carrier.

Each carrier is supplied with end stops to prevent carrier from running off track.

HAY CARRIERS.

MYERS IMPERIAL—WOOD TRACK.



No. 120—Hay Carriers, malleable iron, aluminum finish, ⅞ in. turned steel axles, swivel and reversible, w't 32 lbs., each ..... J C H J $7.00

No. 267—Hanging Hooks, ⅜x10 in., measured after bending, w't per doz. 9 lbs. ..... per dozen J F J $1.00

No. 268—Hanging Hooks, ½x14 in., measured after bending, w't per doz. 12 lbs. ..... per dozen J G J $1.20

No. 301—Malleable Rafter Brackets, w't per doz. 3 lbs., per dozen ..... C J $0.60

This carrier is identical in construction throughout with the steel track carrier, with the exception of the size of track. It is adapted for 4x4 in. wood track.

AN AVERAGE OUTFIT CONSISTS OF ONE CARRIER, TWELVE HANGING HOOKS, TWELVE RAFTER BRACKETS, FIVE PASS KNOT PULLEYS AND TWO FLOOR HOOKS.

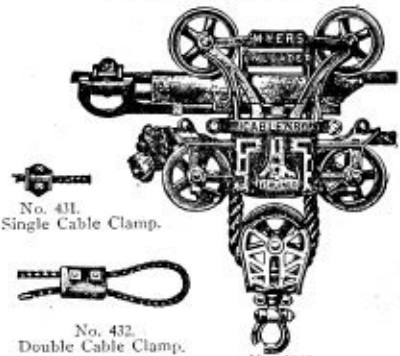
Directions for Making Wood Track.

The track may be hardwood or pine scantling, 4x4, dressed to about 3¼ in. width. If not convenient to get this size for the full length, 4x2 or 4x3 may be used by nailing a piece on where the stop is placed, so as to fit the carrier and operate the lock properly. The pulley used to pull the carrier back in mow should be directly under and in line with the track. Always put an extra hook over the load near the stop.

All Myers hay carriers are made of malleable iron throughout. They are constructed with flanged wheels revolving on ⅞ inch turned steel bearings. The carriers have a large flaring mouth to receive the fork pulley when approaching from any direction. The swinging fork pulley is a decided advantage in drawing hay into a well filled mow or over a beam.

The locking device is composed of three pieces and is so arranged as to grasp the fork on both sides of the frame.

MYERS' CABLE OR ROD.



No. 431.
Single Cable Clamp.

No. 432.
Double Cable Clamp.

No. 1043.



Showing an Enlarged View of the Swinging Knocker or Stop Block as Used on the Cable Carrier.

No. 165—Hay Carriers, for cable or rod track, malleable iron, aluminum finish, with ⅞ in. turned steel axles, w't 31 lbs. ..... each C H J $7.00

No. 431—Single cable clamps, 2 pieces, bolted, easily removed, w't per doz. 9 lbs. ..... per dozen A H J $3.00

No. 432—Double cable clamps, 2 pieces, bolted, w't per doz. 15 lbs. ..... per dozen B D J $4.00

The knocker is one of the special features of this machine. It is so arranged that it swings loose on the track, and stands immediately under the cable, under any and all circumstances. It is held to the cable by means of a steel sleeve through which the cable passes. The sleeve is attached to the knocker by means of two bolts, and can be removed at any time without taking down the cable. The knocker is located at any desired point on the cable by means of an ordinary cable clamp.

AN AVERAGE OUTFIT CONSISTS OF ONE CABLE CARRIER, ONE HAY FORK, 150 FT. ½ IN. GALVANIZED CABLE, TWO SINGLE CABLE CLAMPS, TWO DOUBLE CABLE CLAMPS, TWO ⅜x10 IN. CARRIAGE BOLTS FOR SECURING POLES TOGETHER, 130 FT. ¾ IN. MANILA ROPE, TWO PULLEYS AND FOUR POLES 4x4 IN. x 30 FT. LONG.

Cable.

Cable, ½ in., 7 strand, galvanized, w't per ft. ½ lb., per 100 feet ..... C J J $5.50

REGISTERING HEADS.



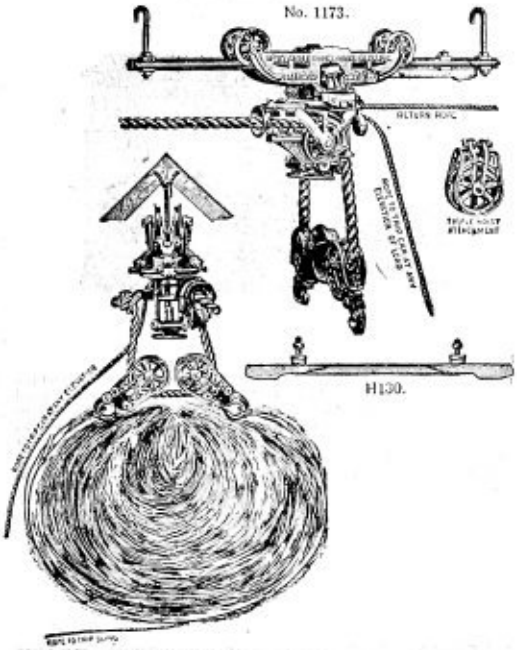
RH1. RH3. RH6. RH10. RH14. RH16. RH19. RH276. RH69.

All Nos. ..... each C B $0.55

Registering heads, No. 1 for Louden hay carrier, No. 3 for Star hay carrier, No. 6 for Porter hay carrier, No. 10 for Nye and Superior hay carrier, No. 14 for Myers' O. K. hay carrier, No. 16 for Myers' combination hay carrier, No. 19 for Haymaker, Imperial, and Myers' single rail hay carriers, No. 276 for Myers' new style hay carriers, and No. 69 for Porter's Meadow King hay carriers.

MYERS HAY CARRIERS.

MYERS RIGHT ANGLE FORK AND SLING ELEVATORS.



In Operation.

With Two Sure Grip Pulley Blocks, ⅞ in. Turned Steel Bearing, Double or Triple Hoist.

No. 70—Sling Carriers, for double steel track, annealed malleable iron, improved rope lock and locking device, w't 52 lbs. ..... each **J FGE** $12.00

No. H130—Knocker for No. 1173 Sling Carriers, each ..... **EJ** $0.80

No. 644—Double Steel Track, with joint clamps, in lengths of 6 or 12 ft., w't per ft. 2 1-6 lbs. ..... per foot **AJ** $0.20

No. 302—6 in. Hanging Hooks, with clamp, measured after bending, w't per doz. 8 lbs. ..... per dozen **J GJ** $1.40

No. 824—Extra Joint Clamps, w't per doz. 14 lbs., per dozen ..... **ADJ** $2.50

No. 1139—Triple Hoist Pulleys, for No. 1173 Carriers, per dozen ..... **DAJ** $7.20

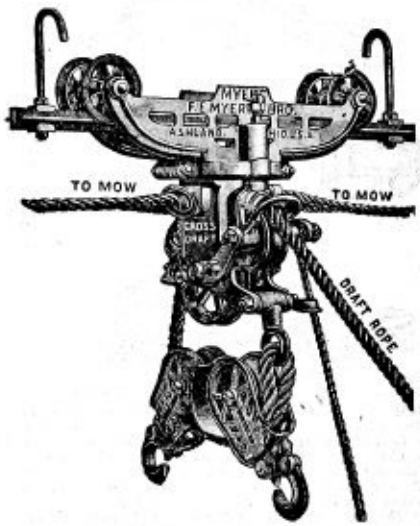
The machine is so arranged that IT ELEVATES THE LOAD AT RIGHT ANGLES WITH THE TRACK, WITH THE RESULT THAT WHEN THE LOAD IS DISCHARGED IN THE MOW, IT LIES PARALLEL WITH THE LOAD ON THE WAGON, a feature not accomplished by sling carriers, unless they use special right angle pulleys which add at least one-half horse power to the draft.

If, by chance, the operator overloads the carrier, the result is that the rope slips through the lock, causing it to wear. This has been overcome on the right angle fork and sling elevator, as it is so arranged that the tension of the rope lock IS REGULATED ENTIRELY BY THE WEIGHT OF THE LOAD. The result is that it is impossible for rope to slip through the lock; hence NO CHAFING OF THE ROPE. THE LOCK ADJUSTS ITSELF TI ANY SIZE ROPE, ¾ TO 1 INCH.

The right angle for and sling elevator operates automatically, and is tripped by the sling pulley striking a plate immediately under the carrier. IT IS ALSO ARRANGED WITH A SEPARATE TRIP ROPE, BY THE USE OF WHICH THE LOAD MAY BE CARRIED INTO THE MOW AT ANY ELEVATION DESIRED WITHOUT DRAWING ENTIRELY TO THE TOP OF THE BARN.

Many farmers prefer to use two forks, one attached to each pulley.

MYERS CROSS DRAFT.



No. 80—For use on No. 644 double steel track, entire weight of load bears on locking device, therefore the heavier the load the greater the pressure on the lock, no chance for the rope to slip, main rope sheave fitted with lugs which engage the dogs, stopping the revolving of the wheels and assisting the rope lock, holds load at any elevation whenever team stops, and runs to mow from that point, track wheels 3¼ in. in diam., and revolve on ⅞ in. turned steel journals, frame or truck extra heavy and long, w't 34 lbs., each ..... **JGHJ** $13.00

The draft rope running direct from the carrier to the floor permits the use of a much shorter draft rope and less walking for the horse than is the case with the other style of sling carriers. The carrier is so constructed that a knocker or stop block is not required. Large rope sheave carrying the rope revolves on large steel axle. Extra heavy and long truck distrbutes the load over a greater portion of the track.

SLING PULLEYS.

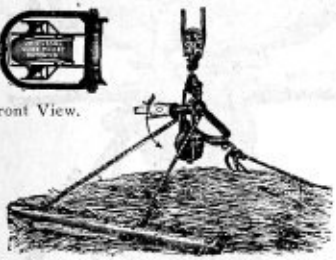
SLING PULLEYS.



Showing Pulley with Fork Approaching.



Front View.





Side View.

Showing Pulley after Load Has Been Compressed.

No. 1052—Myers' Universal, malleable iron, reversible, w't 10 lbs.....each **AHJ** $3.00

Can be used with any make of hay carrier, except 7 in. Sheave Cable Carrier, without a change of fork pulley or using a registering head. It is so arranged that it cannot be misplaced on the load as it can be used either side up and in connection with any shape or style of fork pulley.

With this sling attachment the hay is deposited in the mow in the same relative position as on the wagon, and not crosswise as on many sling carriers.



No. 806. Sling Pulley, Locked Together.



No. 806. Sling Pulley, Spread Apart.

No. 806—Myers', malleable iron, self-locking, with registering head for any make carrier, in ordering give number of registering head, w't 10 lbs.....each **AHJ** $3.00

PARALLEL SLING PULLEYS.



No. 1647—Malleable frame, with 4½ in. iron sheave, fitted for using ⅞ in. rope or ⅝ or ¾ in., 6 strand, 19 wire cable hoisting rope, for handling slings for stacking purposes, w't per doz. 91½ lbs.....**ABJ** $2.00

DIRECTIONS FOR REVERSING CARRIER.



Set fork in hay. Tie ends of rope together, to which horse and weight are attached. Pull on small rope until knot comes to the floor, then untie ropes. Fasten weight on small rope, change pulley to floor hook. This reverses carrier for opposite direction without leaving the floor or climbing up. Use all knot passing pulleys. For taking in hay at end barn use V-shaped brace for track support, as shown in cut.

MATERIAL REQUIRED FOR A STEEL TRACK OUTFIT FOR DIFFERENT LENGTH BARNS.

For a 40-foot Barn—One Hay Unloader, 36 feet Steel Track, 19 Hanging Hooks, 19 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 110 feet ⅜-in. Manila Rope, 50 feet ⅜-in. Check Rope, 40 feet ⅜-in. Reverse Rope.

For a 50-foot Barn—One Hay Unloader, 48 feet Steel Track, 25 Hanging Hooks, 25 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 130 feet ⅜ in. Manila Rope, 55 feet ⅜ in. Check Rope, 50 feet ⅜ in. Reverse Rope.

For a 60-foot Barn—One Hay Unloader, 54 feet Steel Track, 28 Hanging Hooks, 28 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 160 feet ¼ in. Manila R. 60 feet ⅜ in. Check Rope, 60 feet ⅜ in. Reverse Rope.

For a 70-foot Barn—Hay Unloader, 66 feet of Track, 34 Hanging Hooks, 3½ lbs. Bracket Nails, 5 Fig. 1120 Pulleys, 1 Fork, 6 Floor Hooks, 190 feet ¼-in. Draft Rope, 70 feet ⅜-in. Check Rope, 70 feet ⅜-in. Reverse Rope.

For an 80-foot Barn—Hay Unloader, 78 feet of Track, 40 Hanging Hooks, 40 Rafter Brackets, 4 lbs. Bracket Nails, 5 Fig. 1120 Pulleys, 1 Fork, 6 Floor Hooks, 210 feet ⅜-in. Draft Rope, 80 feet ⅜-in. Check Rope, 80 feet ⅜-in. Reverse Rope.

Different lengths of barns will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end to horse, same amount of draft rope. If draft rope be returned to same end of barn and then down, this requires about one-fourth more draft rope.

HAY RACK LOOPS, BRACKETS, ETC.

DOUBLE STEEL TRACK.

Put Together Before Shipping.



All Double Steel Track is put together as shown in illustration before shipping. The advantage of this plan is that in erecting the only thing necessary is to attach the splice clamps. Instead of old method of breaking joints in center of rail, a long, heavy clamp is used. This plan is recommended, as it adds all the advantages of the single rail, and makes the double rail more desirable for dealers to handle.

How Track Should Be Placed.



Showing how track should be put up and how rope is tied from one rafter to the other close under the track to make stop for carrier at end of barn. Also how rafter brackets are placed, and how pulley should be fastened.

Directions for Erecting Myers' Patent Steel Track.

Scaffold, by placing rope from rafter to rafter, say 6 ft. from ridge pole or peak and about 10 ft. apart. Then place extension ladder across the ropes with board to stand on. Now nail one rafter bracket at each end of barn and draw a line from one end to the other and stretch tight. Then nail all rafter brackets even with this line. You are now ready to put up the track, which can be done either in sections or by clamping the entire length together. Hoist near to rafter brackets by ropes. Then place hanging hook over rafter bracket and finish by putting in bolt.

Material Required—One reversible carrier, track the required length of barn, one hanging-hook and rafter bracket for each rafter, five malleable knot passing pulleys, one fork, two floor hooks, one rope hitch, enough ¾ or ⅞ in. rope to operate the carrier—usually takes from 125 to 160 ft., but depends upon length of barn—⅜ in. reverse rope the length of track, trip rope required length.

HAY RACK LOOPS.



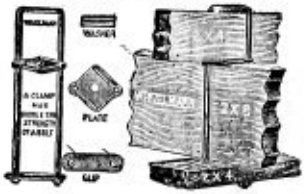
Showing Loop in Use.

No. 42—Hall's, steel, painted blue, w't per doz. sets 96 lbs., per dozen sets ..... **JGBJ** $12.00

These are designed to bolt on the ends of cross timbers of the hay rack, so that the side stakes of the basket of the rack will fit therein at the end of the timbers as shown in cut. Will hold the 2x4 in. stake securely having its lower end made tapering.

ONE SET OF EIGHT IN A BUNDLE, WIRED.

HAY RACK BRACKETS.



WENZELMANN.

No. T0—Consists of eight 12 in. wrought steel clamps, to clamp 2x4 in., 2x8 in. and 2x4 in., complete with brackets, upper washers, lower clips and nuts, w't per doz. sets 204 lbs. .....per dozen sets **JIIJ** $18.00

No. T1—14 in. clamps, otherwise same as No. T0, per dozen sets ..... **JIIJ** $18.00

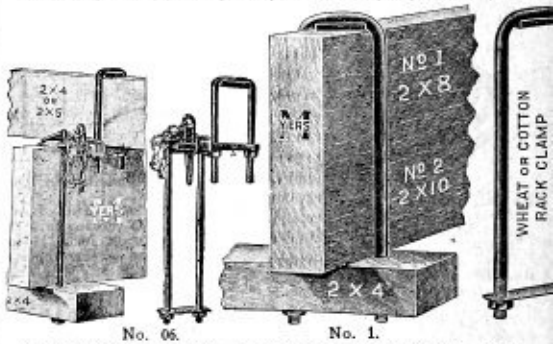
No. T2—Consists of eight 16 in. wrought steel clamps, to clamp 2x6 in., 2x8 in. and 2x4 in., complete with brackets, upper washers, lower clips and nuts, w't per doz. sets 222 lbs. .....per dozen sets **AJAE** $19.20

No. T3—18 in. clamps, otherwise same as No. T2, per dozen sets ..... **AADJ** $20.40

These brackets make the strongest hay racks, as the wood is not weakened by boring holes for bolts where strength is most essential. By their use lighter material can be used.

ONE SET IN A BOX.

HAY AND WHEAT OR COTTON RACK CLAMPS.



No. 06. No. 1.

No. 06—Hay Sills 2x8 in., cross timbers 2x4 or 2x5 in., steel bar passes through malleable iron loop, held in place by malleable key, w't per doz. sets 216 lbs., per dozen sets ..... **ADDJ** $26.50

No. 07—Hay Sills, 2x10, cross timbers 2x6, w't per doz. sets 252 lbs., otherwise same as No. 06, per dozen ..... **AGDJ** $29.00

The special advantage of this clamp over the Wenzelmann is that the hay rack is built in two sections and held together by two wedge shape pins, this enables one man to place the rack on the wagon or remove it without assistance.

In addition to this, the lower part composed of sills and lower cross pieces making an ideal body for hauling wood, timber, lumber and such things not conveniently handled with an ordinary wagon box. By the use of a set of stake irons it may be transformed into a hog rack.

This is the most convenient form of hay clamp now on the market and is thoroughly recommended.

ONE SET IN A BOX.

No. 1—Wheat or Cotton, sills 2x8 in., w't per doz. 144 lbs., per dozen ..... **JIFJ** $16.00

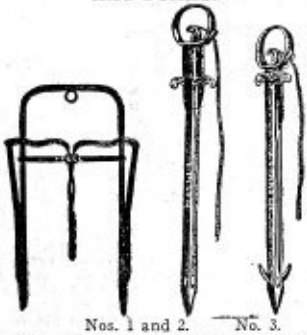
No. 2—Wheat or Cotton, sills 2x10 in., w't per doz. 156 lbs., per dozen ..... **AJBJ** $17.00

Used for building racks to haul sacked grain, baled hay or cotton in bales. When in place the sills and bottom cross pieces are securely clamped together, making a most substantial construction.

ONE SET IN A WOOD BOX.

HAYING TOOLS.

HAY FORKS.



Nos. 1 and 2. No. 3.

No. 1—Harpoon, double point, 25 in. spring steel tines, w't per doz. 132 lbs. .....per dozen **AAEJ** $19.20

No. 2—Harpoon, double point, 31 in., spring steel tines, w't per doz. 222 lbs. .....per dozen **ADDJ** $24.00

No. 3—Nellis, harpoon, single point, spring steel, w't per doz. 198 lbs., per dozen .....**BAFJ** $36.00



No. 617—Myers', automatic grapple, tines and arms of high carbon spring steel, locks of best annealed malleable iron, 4 tines, double grapple, spreads 55 in., w't 40 lbs. .....each **DHJ** $8.00

No. 619—6 tines, triple grapple, w't 47½ lbs., otherwise same as No. 617, each .....**EGJ** $9.50

This fork is unlike any other, inasmuch as it is not only balanced at all points, but in addition the natural pull on the trip rope closes the fork and locks it securely, thus returning it to the load, all ready to enter the hay without any attention whatever from the operator as to setting of lock, etc.

CENTER TRIP SPRING LOCKS.



Showing Lock Closed.



Showing Lock Open.

No. 622—Myers', malleable iron, 3 pieces, w't 1½ lbs. ...each **JFJ** $1.00

CENTER TRIP ADJUSTABLE SLINGS.



Showing No. 620 Sling Complete.

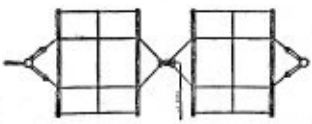
No. 620—Myers' Pattern, 4 ft. seasoned ash cross bars, malleable iron center trip spring lock, ½ in. loose twist ropes, adjustable from 17 to 20 ft., w't 20 lbs. .....each **AIJ** $3.20

No. 625—5 ft. cross bars, w't 23 lbs., otherwise same as No. 620, each .....**BCJ** $3.80



No. 1231—5 ft. seasoned ash cross bars, malleable iron center trip spring lock, 3 ropes, adjustable from 17 to 20 ft., each .....**BDJ** $4.00

These are especially adapted for the Minnesota trade.

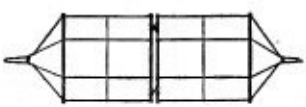


Showing No. 621 Sling Complete.

No. 621—Utah Pattern, 6 ft. seasoned ash cross bars, Myers' center trip spring lock, ½ in. ropes, extra end and center ropes, adjustable from 17 to 20 ft., w't 26½ lbs., each .....**CJJ** $5.00

The ropes are fitted with adjustable take-ups at either end, allowing the length of the sling to be varied from 17 to 20 feet. Any number of slings can be used on a load, depending on the size and number of bundles to the load.

DOUBLE LOCK SLINGS.



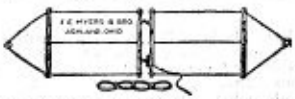
No. 1308—With hook and eye at one end of the sling stick and a lock at the other end making two separate connections, w't 40 lbs., each **DBJ** $7.00

This sling is connected and locked with one motion. The two separate connections add great strength and cause the load to be carried without drooping at each side.

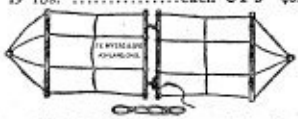
See page 242 for Hay Fork Pulleys.

DOUBLE LOCK ADJUSTABLE CHAIN SLINGS.

New Design Having Two Connections Between the Two Halves of the Sling Instead of the One Center Lock Generally Used, Otherwise the Same as No. 1308.



No. 1589—Myers' pattern, 5 ft. long, galvanized No. 00 brown chain, w't 19 lbs. .....each **CFJ** $6.00



No. 1590—Myers' pattern, 6 ft. long, galvanized No. 00 brown chain, w't 26 lbs. .....each **DHJ** $8.00

SNATCH BLOCKS AND SINGLETREES.



No. 628—Myers' Snatch Blocks, malleable iron, w't per doz. 48 lbs., per dozen .....**JFJJ** $11.00

This device shortens the distance the horse travels, without reducing the elevating power.

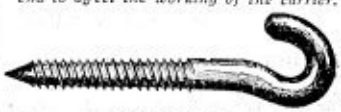
No. 472—Myers' Hoisting Singletrees, wood, with malleable iron attachment, w't 6½ lbs., per dozen .....**AJDJ** $19.20

MYERS' ROPE HITCHES.



No. 376—Malleable iron, swivel hook, w't per doz. 15 lbs., per dozen .....**AGE** $3.20

The rope can be released from whiffletree instantly with this hitch. The hitch can be shortened to any desired length by drawing on the end of the rope. A twist in rope is removed by means of swivel, instead of going to the end to affect the working of the carrier.



Wrought Iron.

No. 50—⅝x7 in., w't per doz. 8 lbs., per dozen .....**JFJ** $1.20

No. 60—¾x8 in., w't per doz. 10 lbs., per dozen .....**JHJ** $1.40

HAY CARRIER EXTRAS, PULLEYS, ETC.

HAY CARRIER EXTRAS.



Fork Pulley for Myers' New Style Hay Carriers.

No. H254—4½ in. wheel, malleable iron frame extending around entire surface of sheave, malleable iron clevis, steel bolt, swivel, w't per doz. 43½ lbs. .....per dozen **JGBJ** $12.00

This pulley is especially designed for rough usage. The frame is made in two pieces riveted together at swivel eye. The frame extending entirely around the sheave is a great protection to the rope.



No. H50. Fork Pulley, Complete.



No. 103. Stop Block or Knocker.



No. 201. Rope Sheave.



No. H413 Knocker.



No. H280 Knocker.



No. H130 Knocker.

No. H280—Knockers, for cable unloaders .....each **JFJ** $1.00

No. H50—Fork Pulleys, complete, for Myers' old style hay carriers, w't 3¼ lbs. .....each **JFJ** $1.00

No. 103—Stop Blocks or Knockers, for Myers' single steel track hay carriers .....each **CE** $0.50

No. H413—Extra Knockers or Trip Blocks, for Myers' Clover Leaf steel or wood track and Imperial wood track hay carriers.....each **CE** $0.50

No. H130—Extra Knockers or Trip Blocks, for Nos. 1173 and 1175 Myers' Sling Carriers .....each **EJ** $0.80

No. 201—Rope Sheaves, with bushings for Myers' old style hay carriers, each .....**CE** $0.45

No. H258—Rope Sheaves, for Myers' new style hay carriers, each .....**CE** $0.45



ROLLER BEARING HAY FORK PULLEY.

No. 1071—Malleable iron frame and large malleable swivel eye, frame has heavy ribs and is riveted together at both ends, making a very substantial construction, designed for extra heavy work and guaranteed to be the best pulley of its kind on the market, 5 in. sheave with wide groove suitable for any size rope up to 1¼ in. in diameter, wheel revolves on hard steel roller gearings, which in turn surround a ⅝ in. hard steel pin held rigidly in position, per dozen .....**JGEJ** $12.00

HAY FORK PULLEYS.



No. 15.



No. 36.



No. 046.

No. 15—5½ in. iron wheel, ⅜ in. bearing, swivel, cast frame reinforced with heavy ribs on edge and center, w't per doz. 41 lbs., per dozen **BAJ** $3.20

No. 36—6 in. maple wheel dipped in hot oil, 1 in. loose pin, heavily ribbed cast iron frame, "pass knot," swivel, w't per doz. 46 lbs., per dozen .....**BFJ** $4.00

Extra Wood Wheels, per dozen .....**JIE** 1.50

No. 046—Reed's pattern, 4½ in. wood wheel, hollow axle, wrought iron strap, forged steel eye, riveted hardwood shell, swivel, self-lubricating, w't per doz. 33 lbs., per dozen .....**BFJ** $4.00

Extra Wood Wheels, per dozen .....**JIE** 1.40

ONE DOZEN IN A BUNDLE.



No. 26.



No. 56.

No. 26—6 in. maple wheel, 1⅛ in. loose pin, cast iron frame, swivel, w't per doz. 37 lbs. .....per dozen **BAJ** $3.20

Extra Wood Wheels, per dozen .....**JIE** 1.50

No. 56—One piece wrought steel frame, malleable swivel eye, cast iron sheave 5½ in. in diameter, revolving on steel bearing, w't per doz. 43 lbs., per dozen .....**BCJ** $3.50

HAY FORK PULLEYS.



No. 1133.



No. 1120.

No. 1133—"O. K.," plain, 6 in. maple wheel dipped in hot oil, heavily ribbed cast iron frame, 1⅛ in. loose pin, swivel, w't per doz. 40½ lbs., per dozen .....**BFJ** $4.00

No. 1120—"O. K.," pass knot, 6 in. maple wheel dipped in hot oil, heavily ribbed cast iron frame, 1 in. loose pin, swivel, w't per doz. 58 lbs., per dozen .....**CBJ** $5.00

The frames of Nos. 1133 and 1120 are two separate heavy ribbed halves riveted together at the swivel eye. The construction of the frame provides an easy approach for the rope.



No. 1550.



No. 189.

No. 1550—For ⅜ or ½ in. wire cable, 7 in. iron wheel, high carbon steel frame, steel bushing, roller bearings, w't per doz. 80 lbs., per dozen .....**JIJJ** $14.20

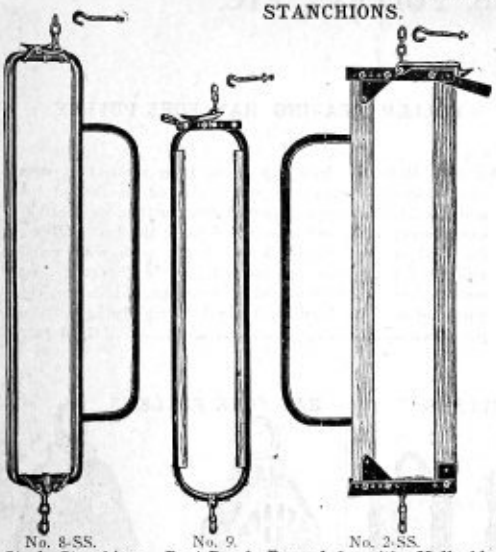
The iron sheave revolves on a steel bushing and a heavy machine bolt passes through the bushing, making it very strong and durable.

No. 189—Derrick, 1½ in. hard maple frame, wood wheel, steel yoke and hook, w't per doz. 56 lbs., per dozen .....**EJE** $8.00

The frame of this pulley is wider than the sheave, so as to allow two pulleys to be used together, the one sheave not interfering with the other. This is an extra heavy pulley intended for heavy work.

STANCHIONS AND STALLS.

STANCHIONS.



No. 8-SS. No. 9. No. 2-SS.

Steel Stanchions, Rust-Proof Enameled, with Malleable Fittings, Chain Hung, with Eye Bolt, Gravity Latch, No Springs.

No. 9—Adjustable, wood lined, Channel bar, length inside 48 in., adjusts to inside widths 6½, 7¼ or 8 in., w't per doz. 228 lbs. .....per dozen **AHDE** $38.40

No. 9-SS—Adjustable, wood lined, with Sure-Stop, otherwise same as No. 9, w't per doz. 240 lbs.,★ per doz. **BACJ** $44.40

No. 8—Adjustable, U-Bar, not wood lined, length inside 48 in., adjusts to inside widths 6½, 7¼ or 8 in., w't per doz. 204 lbs. .....per dozen **AFAE** $33.60

No. 8-SS—Adjustable, U-Bar, with Sure-Stop, not wood lined, otherwise same as No. 8, w't per doz. 216 lbs., per dozen★ .....**AIJJ** $39.60

No. 7—Non-Adjustable, U-Bar, not wood lined, length inside 48 in., width inside 6¼ in., w't per doz. 216 lbs., per dozen .....**AEJJ** $31.20

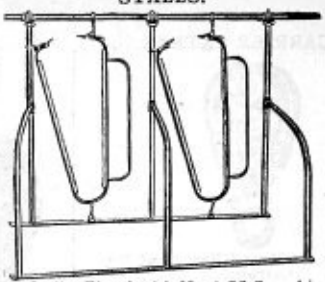
Wood Stanchions, Best Oiled Hard Maple, with Steel and Malleable Fittings, Chain Hung, with Eye Bolt. Gravity Latch, No Springs.

No. 2—Adjustable, Wood, length inside 48 in., adjusts to inside widths 5, 6, 7 or 8 in., w't per doz. 180 lbs., per dozen★ .....**ADDJ** $30.00

No. 2-SS—Adjustable, Wood, with Sure-Stop, otherwise same as No. 2, w't per doz. 192 lbs.★ .....per dozen **AGCJ** $36.00

PACKED LOOSE.

STALLS.



No. 27 Stalls, Fitted with No. 9-SS Stanchions.

Steel Stalls, 1⅝ In. High Carbon Steel Tubing, with Malleable Clamps. Bottoms Bolt to Angle Steel Anchor Bars, which, Embedded in Concrete Floor, Prevent Racking and Insure Perfect Alignment. Stalls Do not Include the Stanchions, which Must Be Ordered Separately.

No. 27—Stall only, galvanized, without stanchion or manger, w't each 42 lbs.★ .....each **DEJ** $9.30

No. 27P—Stall only, rust-proof enameled, without stanchion or manger, w't each 42 lbs.★ .....each **CCJ** $6.30

No. MP—Galvanized steel manger partitions, for dividing built-in concrete mangers, w't each 19 lbs., each★ .....**AGJ** $3.50

No. M—Galvanized steel complete mangers, with tension spring, for use where mangers are not built in, w't each 40 lbs.★ .....each **BIJ** $6.00

NOTE—Nos. MP and M Mangers are Hinged to the Stall Uprights, and can be easily lifted up or inverted for cleaning.

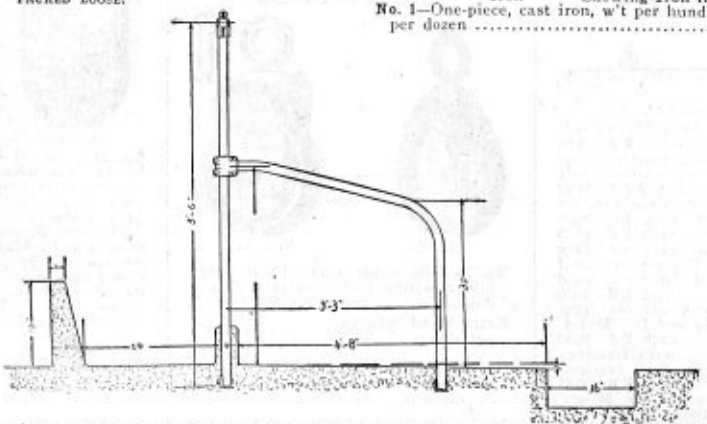
PACKED LOOSE.

STANCHION IRONS.



Iron Showing Iron in Use.

No. 1—One-piece, cast iron, w't per hundred 83 lbs., per dozen .....**JGE** $1.2[illegible]



Showing Sectional Floor Plan for Standard Stall, with Built-in Concrete Floor, Manger and Refuse Gutter.

★*FOR FACTORY SHIPMENT ONLY.*

TOOL RACKS AND TOOL BRACKETS.

TOOL BRACKETS.



No. 22—Hager's pattern, malleable iron, japanned, cast in one piece, 11x12 in., for 8 forks or shovels, both long and D handle, w't per doz. 40 lbs., per dozen .....EGJ $8.50

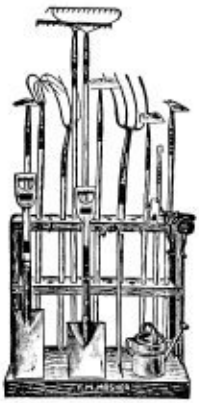


No. 21—Hager's pattern, malleable iron, japanned, cast in one piece, 11x15 in., for 8 rakes or manure hooks, w't per doz. 40 lbs. .....per dozen EEJ $9.50



No. 23—Hager's pattern, malleable iron, japanned, cast in one piece, 1 arm, 17 in. long, with 4 in. back to fasten on wall, for 8 hoes, w't per doz. 18 lbs., per dozen .....DJJ $7.00

MOSHER SELL-MORE RACK.



For Displaying All General Merchandise Either Indoors or Out.

No. 3—Hard pine frame, bolted together, size 35x17x30 in., set on casters, painted carmine red, w't 35 lbs., each .....EDJ $9.00

This is a handy article for gardeners or farmers for taking care of tools.

MOSHER ADJUSTABLE TOOL RACK.



This Rack Will Display from 300 to 500 Garden Tools and Other Handled Steel Goods.

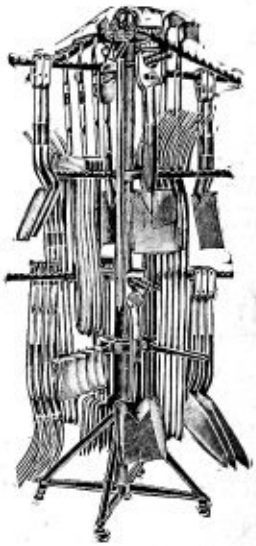
No. 4—Hard pine frame, bolted together, size 3x8x8 ft., set on casters, painted carmine red, w't 280 lbs., each★ .....BHGE $50.00

No. 4A—Golden oak or mission, otherwise same as No. 4 each★ .....CDEJ $60.00

SHIPPED KNOCKED DOWN.

★*FOR FACTORY SHIPMENT ONLY, F. O. B. CANTON, ILL.*

AGRICULTURAL TOOL RACKS.

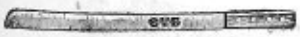


No. 5—Height 9½ ft., outside diameter 4 ft., holds 186 tools, ball bearing, revolving, malleable iron japanned, tools not included, w't each 350 lbs., each★ .....CJGE $32.00

★*FOR FACTORY SHIPMENT ONLY, TOLEDO, OHIO.*

CORN KNIVES AND HOOKS.

CORN KNIVES.



No. 18 CVB—Ohio pattern, 18x1½ in., cast steel full polished blade, forged from crucible bar butcher steel, taper ground, cocobola handle, attached by four frass tubular rivets, length over all 24 in., w't per doz. about 13 lbs., per dozen .....**JFFJ** $12.00
ONE DOZEN IN A PAPER BOX.



No. 8 CVB—15x3¼ in., scimiter point, high grade crucible silver steel blade, highly tempered and polished, cherry handle, 3 rivets, w't per doz. 16 lbs., per dozen .....**CFJ** $4.70
ONE DOZEN IN A BOX.



No. 5 RIVERSIDE—Special steel, 17¼x1½ in., polished cast steel blade, knife edge, riveted to hardwood handle, w't per doz. 14 lbs. .....per dozen **BHE** $4.50
ONE-HALF DOZEN IN A BOX.



No. 7 RIVERSIDE—15x3¼ in., crucible steel blade, polished hardwood handle, 3 rivets, w't per doz. 16 lbs., per dozen .....**BHE** $4.00
ONE DOZEN IN A BOX.



No. 65 RIVERSIDE—"Rugged Razor," 18x1⅝ in., heavy concave blade, hand forged from tool steel, carefully oil tempered and ground, beaded hardwood handle, steel ferrule, riveted tang, entire length 23 in., w't per doz. 15 lbs. .....per dozen **BGJ** $4.00
ONE DOZEN IN A WOODEN BOX.

CORN KNIVES.



No. 1—Cruso Clipper, 18x1¾ in., cast steel blade with red finish, shank run through handle and riveted, w't per doz. 17 lbs., per dozen **BDJ** $3.50
ONE DOZEN IN A WOODEN BOX.

No. 4—Cruso Clipper, 17x1¼ in., cast steel polished blade, shank run through handle and riveted, w't per doz. 15 lbs. ....per dozen **BAE** $3.00
ONE DOZEN IN A WOODEN BOX.



No. 10—Earle's, extra tool steel, 17¼x1½ in., heavy ribbed blade polished one side, single bevel, hardwood handle, steel ferrule, riveted tang, entire length 23 in., w't per doz. 17 lbs. .....per dozen **CIJ** $6.00
ONE DOZEN IN A WOODEN BOX.



No. 2—Disston's, 15x3¼ in., cast steel blade, polished hardwood handle, w't per doz. 13 lbs...per dozen **CFJ** $5.50
ONE DOZEN IN A PACKAGE.



No. 6—Damascus, 15x3¼ in., high grade crucible steel blade, oil tempered, forged finish, hardwood handle, 3 rivets, w't per doz. 16 lbs., per dozen .....**BGJ** $5.00
ONE DOZEN IN A WOODEN BOX.

CORN HOOKS.



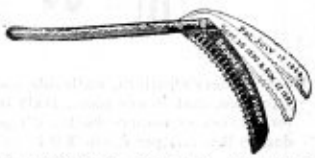
Upper Cut No. 20. Lower Cut No. 25.

No. 25 RIVERSIDE—Vanata Pattern, 16½x1¾ in., forged cutlery steel blade, oil tempered and warranted, fastened to handle by two large rivets, w't per doz. 17 lbs.....per dozen **BFJ** $3.30

No. 20 RIVERSIDE—11x1¾ in., blade hand forged from crucible steel, oil tempered and fully guaranteed, adjustable to two angles, fastened to handle by two large rivets, w't per doz. 17 lbs. .....per dozen **BFJ** $4.50
ONE DOZEN IN A WOODEN BOX.



No. 31—"Cut Easy," 12x2¼ in., polished cast steel blade, sinuous edge, adjustable folding blade, hardwood handle, held in place by plate and rivets, w't per doz. 16 lbs., per dozen **BIJ** $5.50
ONE AND TWO DOZEN IN A WOODEN BOX.



No. 26—Brook's, 13x2½ in., cast steel corrugated blade, bronze finish, with serrated edge, single bevel, aluminum lacquered, adjustable to 3 angles, w't per doz. 17 lbs., per dozen **CAJ** $5.00
The corrugated feature of No. 26 permits sharpening on a grindstone, still preserving the serrated edge.
ONE DOZEN IN A BOX.



No. 21—Unpolished cast steel blade, 11x2¼ in. at heel, 1¼ in. at point, 18 in. hardwood handle, w't per doz. 11 lbs. .....per dozen **AEJ** $2.20
ONE DOZEN IN A BUNDLE.

AGRICULTURAL KNIVES AND SHEARS.

BEET TOPPING KNIVES.



No. 55 [illegible]—9 in. silver steel blade, ground and polished, has malleable iron hook riveted to end of blade, applewood handle, securely riveted, w't per doz. 9 lbs., per doz. **JGBJ** $11.00



No. 163 [illegible]—12 in. cast steel blade, oil tempered, beechwood handle, securely riveted, w't per doz. 10 lbs., per dozen .....**DJJ** $7.00



No. 12 [illegible]—10¼ in. blade, forged from 14 gauge steel, beech handle, through tang, w't per doz. 8½ lbs., per dozen .....**CIJ** $6.50

ONE-HALF DOZEN IN A BOX.



No. 10 [illegible]—9 in. blade, forged from 11 gauge steel, oil tempered, satinwood handle, securely riveted, w't per doz. 10 lbs.....per dozen **DBJ** $7.00

No. 11 [illegible]—9 in. blade, forged from 14 gauge steel, otherwise same as No. 10 [illegible], w't per doz. 8 lbs., per dozen .....**CCJ** $5.50

ONE-HALF DOZEN IN A BOX.

No. 13 [illegible]—Black forged finish, edge ground and polished, otherwise same as No. 11 [illegible], per dozen .....**BDJ** $4.00

ONE DOZEN IN A CASE.

BEET KNIFE HOOKS.



Polished Crucible Steel Hook.

Nos.	40	43
Length hook, in.	4	4½
W't per doz., lbs.	1½	1¾
Per dozen	$5.00	5.00
	BGE	**BGE**

No. 40 is for use with No. 163 and No. 43 for use with Nos. 10, 11, 12 and 13 Beet Knives.

INSTRUCTIONS FOR ATTACHING.

Cut a notch 3/8 in. wide and 3/8 in. deep on the cutting edge of the blade directly opposite a place on the back of the blade that will permit the nut to rest flat on the blade back. Slip the hook onto the blade so that it will rest in the notch then tighten nut.

ONE DOZEN IN A BOX.

HEDGE KNIVES.



[illegible]

No. 19½ [illegible]—19½x2¼ in., crucible steel blade, hammered and full polished, plain polished steel ferrule riveted to hardwood handle, length over all 40 in., w't per doz. 48 lbs., per dozen .....**JIJJ** $15.00

ONE DOZEN IN A BOX.



[illegible]

No. 30 [illegible]—17x1¼ to 3¼ in., best crucible steel polished blade, 13 gauge, 18 in. extra long hardwood handle, riveted, w't per doz. 20 lbs., per dozen .....**JFJJ** $10.00

Same as Disston No. 10, but 35½ in. over all; for light work.

ONE DOZEN IN A BOX.



[illegible]

No. 11 [illegible]—18x2½ in., extra heavy crucible steel blade, full polished special hardwood handle, heavy steel ferrule, entire length 44 in., w't per doz. 54 lbs.....per dozen **JIFJ** $17.00

ONE DOZEN IN A CASE.



[illegible]

No. 22 [illegible]—18x2½ in., heavy crucible steel blade, hand hammered, natural finish, plain polished steel ferrule, riveted to handle with two large rivets, entire length 38 in., w't per doz. 42 lbs., per dozen .....**JGBJ** $12.00

ONE DOZEN IN A CASE.



[illegible]

No. 12 [illegible]—16x2¼ in., heavy crucible steel blade, hand hammered, natural finish, riveted to handle with two large rivets, steel ferrule, entire length 36 in., w't per doz. 43 lbs., per dozen .....**JGEJ** $12.00

ONE DOZEN IN A CASE.



DISSTON'S.

No. 10—10x1⅝ in., about 13 gauge, polished cast steel blade, riveted to 7 in. hardwood handle, w't per doz. 15½ lbs.....per dozen **DBJ** $6.50

ONE DOZEN IN A BOX.

Extra Handles, for Nos. 11, 12, 19½ and 22 Hedge Knives, per doz. **AEJ** $2.50

HEDGE SHEARS.



ARTHUR LEE'S, Ladies' Pattern, Steel Laid Blade, Polished, Brass Ferrule, Maple Handles.

No. 107—5½ in. cut, w't per pair 1½ lbs., per pair .....**ABJ** $1.75

ONE PAIR IN A PACKAGE.



Arthur Lee's Regular Pattern Steel Laid Blade, Polished, Notched, Polished Steel Ferrule, Maple Handles.

No. 101—Cut, in. ...	8	9	10
W't per pair, lbs...	3	3¼	3½
Per pair $1.88	2.25	2.65	
	ABJ	**AEJ**	**AGE**

The blade is notched near the rivet to hold and cut large branches.

ONE PAIR IN A PACKAGE.

BUSH HOOKS.



No. 1 [illegible]—10½x2¼ in., light extra cast steel blade, black finish, length axe handle 36 in., w't per doz. 35 lbs., per dozen .....**JIJJ** $13.00

No. 2 [illegible]—13x3 in., heavy extra cast steel blade, black finish, length axe handle 36 in., w't per doz. 51 lbs.,.per dozen .....**ABJJ** $16.00

ONE DOZEN IN A CASE.

TOBACCO HATCHETS.



No. 12—4 in. bit, polished inserted steel blade, securely bolted to handle, length of handle 18 in., w't per doz. 8½ lbs. .....per dozen **CCJ** $5.50

LOOSE.

TOBACCO SPUDS.



No. 3—Wisconsin pattern, flat forged steel point, for ½x2 in. wood, w't per doz. 3 lbs.....per dozen **BGJ** $3.75

LOOSE.

PRUNING SHEARS.



No. 148 —8 in., Rieser pattern, extra tool steel laid hook, full polished, long double brass spring, combined ratchet and nut, an extra blade with each shear, fully warranted, w't per doz. 12 lbs., per doz. **AEHJ** $28.00

No. 148½ —8½ in., w't per doz. 13 lbs., otherwise same as No. 148 .....per dozen **AFFE** $30.00

No. 149 —9 in., w't per doz. 14½ lbs., otherwise same as No. 148 .....per dozen **AGHJ** $32.00

ONE-QUARTER DOZEN IN A BOX.

Extra Blades.

No. 1—For Nos. 148, 148½ and 149 pruning shears..per dozen **CFJ** $9.00



No. 130 —9 in., California pattern, extra tool steel, japanned handle, straw colored blade, volute steel spring, combined ratchet and nut, w't per doz. 14 lbs., per doz. **JIBJ** $16.00



No. 120 —9 in., California pattern, extra tool steel, full polished, long double brass spring, combined ratchet and nut, warranted, w't per doz. 14 lbs. .....per dozen **JIJJ** $13.50

ONE-QUARTER DOZEN IN A BOX.

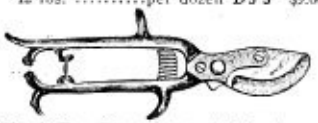


No. 115 —California pattern, 9 in., finely finished malleable iron handles with end latch, volute spring, crucible steel blade, oil tempered, bolt with lock nut, the best holding device known .....per dozen **JDFJ** $11.00

ONE-HALF DOZEN IN A BOX.



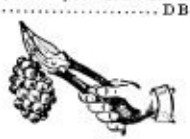
No. 109—Il-a-noy, 9 in., California pattern, japanned handles, cast steel blade, volute steel spring, w't per doz. 12 lbs. .....per dozen **DJJ** $9.00



No. 0—Two-Bits, cast steel blade, japanned cast iron handles, coiled brass spring, length 9 in., w't per doz. 10 lbs. .....per dozen **BAJ** $3.75



No. 012—Henry pattern, improved, cast steel blade, japanned malleable iron handles, volute steel spring, length 8¼ in., w't per doz. 10 lbs., per dozen .....**DBJ** $6.50



No. 16—Florists' Pruning Shears and Grape Pickers, steel laid blade, japanned handles, brass wire spring, length 5 in., w't per doz. 4½ lbs., per dozen .....**FJJ** $9.00

Will hold anything after being cut until released by operator.



No. 18—Ladies', 6 in., high grade tool steel, nicely nickel plated, volute steel spring, w't per doz. 3 lbs., per dozen .....**JGGE** $13.50

This is a fancy shear and is intended for pruning roses and flowers.

ONE-HALF DOZEN IN A BOX.

EXTRA SPRINGS.



Volute.

Spiral .....per dozen **CE** $0.60
Volute .....per dozen **JHJ** 1.40



No. 5 —Solid tool steel blade and hook, carefully tempered and ground and full polished, 2½ in. cut, length over all 26 in., 20 in. second growth ash handle, natural wood finish, fitted with 4 in. pressed steel ferrule and cap, w't per doz. 33½ lbs., per dozen .....**AJBJ** $17.00

No. 6 —30 in. handle, 36 in. length over all, otherwise same as No. 5, per dozen .....**ABJJ** $20.00

ONE DOZEN IN A BOX.



No. 151 —Blade and hook forged from special analysis tool steel, oil hardened and tempered, scientifically ground, 4 in. reinforced ferrules, full polished, case-hardened bolt with ratchet nut allowing delicate adjustment, fully warranted, 20 in. handles, length over all 26 in., w't per doz. 49 lbs. .....per dozen **AEEJ** $27.00

No. 152 —26 in. handles, length over all 32 in., w't per doz. 62 lbs., otherwise same as No. 151 , per dozen .....**AEHJ** $27.50

ONE DOZEN IN A WOODEN BOX.



No. 1—2 in., cut, hand forged crucible steel blade, oil tempered and polished, steel ferrule, hard maple handles, length over all 25 in., w't per doz. 30 lbs. .....per dozen **JFIJ** $13.00

No. 2—2 in., cut, hand forged crucible steel blade, oil tempered and polished, heavy steel ferrule, head 6 in., 26 in. hard maple handles, length over all 32 in., w't per doz. 40 lbs., per dozen .....**JGEJ** $16.00

ONE DOZEN IN A WOODEN BOX.



No. 3—Draw cut, hook and blade of solid tool steel, firmly held together by bolt with lock nut, 3 in. cut, shellacked maple handles, reinforced by 4 in. pressed steel polished ferrule and cap, 22 in. handles, 30 in. over all, w't per doz. 60 lbs., per doz. **AFDJ** $30.00

No. 4—3½ in. cut, 24 in. handles, 32 in. over all, w't per doz. 73 lbs., otherwise same as No. 3, per dozen .....**AIEE** $35.00

Nos. 3 and 4 have a positive draw or sliding cut of vast advantage to the operator.

ONE DOZEN IN A WOODEN BOX.

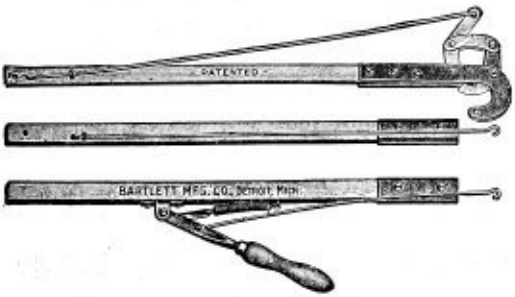
TREE PRUNERS AND FRUIT PICKERS.



SEARIGHT'S Forged Steel, High Grade Crucible Tool Steel Blades, Mounted on Hardwood Poles.

No. CL1—Feet	8	10	12	14
W't per doz., lbs.	54	60	66	72
Per dozen	$36.00	39.00	39.00	42.00
	BCCE	BEBE	BEBE	BGBJ

It is calculated for heavy work and will cut a limb up to 1¼ inches in diameter. Handle lever is placed so that the rod crosses the pole. As a result one-half the strain is thrown on one side of the pole and one-half on the other, giving double strength, and instead of the pole warping and bending, it has a tendency to remain straight and stiff.



Compound Lever Tree Pruner with Jointed Handle in 4 Ft. Sections Which Can Be Arranged to Cover Any Length Desired.

No. CL4-J—Length, ft.	8	12	16
W't per doz., lbs.	56	68	80
Per dozen	$36.00	39.00	42.00
	BAFJ	BCDJ	BEBJ

This Pruner is composed of the cutting head on a 4 ft. top section and the operating handle and lever on a 4 ft. combines on 8, 12 or 16 ft. Trimmer. The cutting head is made truss shaped from strong high grade rolled steel, the compound levers working between the side plates. The head is attached to the pole by three strong bolts, the operating wires are of the very best coppered Bessemer steel, jointed to close fitting loops at each pole intersecton. The cutting strength lies in the compounding of the leverage, and by crossing the pole with wire, the strain is distributed and hence pole is stronger than on ordinary Pruners.



WATERS' Improved, Polished Steel Blade, Enameled Cast Steel Hook.

No. 50—Feet	6	8	10	12
W't per doz., lbs.	34	44	50	58
Per dozen	$27.00	30.00	30.00	33.00
	JEFJ	JEHE	JFEJ	JGAE

Extra Blades .....per dozen **AAE** $3.50

KEES FRUIT PICKERS.



No. 8—Circle and ferrule are of 16 gauge steel protected by a coat of black japan baked on, cloth bag, 8 in. deep, 6 in. in diameter, w't per doz. 10½ lbs. ....per dozen **CCJ** $8.00

There are no ends of wire to injure the fruit; nothing to catch in the branches.

Picking can be done at any angle by a gentle push or pull. The fruit falls into the cloth bag so there is no danger of bruising it. Can be gathered as carefully as by hand.

We do not furnish pole or handle. A fish pole will serve as well as anything.

AGRICULTURAL TOOL HANDLES.

CRUSO X Handles Have Belted Finish. REVONOC XXX Have Smooth Belted and Waxed Finish. Both Handsomely Labeled.

HAY FORK.



X Selected Ash, Straight, Chucked and Bored.

CRUSO—Nos.	14	14½	15	15½	16
Length, ft.	4	4½	5	5½	6
W't per doz., lbs.	17	20	23	26	28
Per dozen	$1.65	1.75	2.00	2.25	2.60
	ACJ	ADJ	AFJ	AHJ	BAJ

XXX Selected White Ash, Straight, Chucked and Bored.

REVONOC—Nos.	24	24½	25	25½	26
Length, ft.	4	4½	5	5½	6
W't per doz., lbs.	17	20	23	26	28
Per dozen	$2.15	2.25	2.55	2.90	3.30
	AGJ	AHJ	BJE	BCJ	BFE

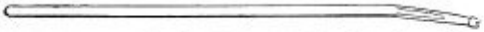


X Selected Ash, Bent, Chucked and Bored.

CRUSO—Nos.	44	44½	45	45½	46
Length, ft.	4	4½	5	5½	6
W't per doz., lbs.	19	21	23	25	27
Per dozen	$2.05	2.20	2.50	2.80	3.20
	AFJ	AGE	BJJ	BBE	BEE

XXX Selected White Ash, Bent, Chucked and Bored.

REVONOC—Nos.	54	54½	55	55½	56
Length, ft.	4	4½	5	5½	6
W't per doz., lbs.	20	23	26	27	28
Per dozen	$2.55	2.70	3.05	3.45	3.90
	BJE	BAE	BDE	BGE	CAJ



XXX Selected White Ash, Bent, with Strap Ferrule and Cap, Chucked and Bored.

REVONOC—Nos.	64	64½	65	65½	66
Length, ft.	4	4½	5	5½	6
W't per doz., lbs.	21	23	25	27	30
Per dozen	$4.35	4.50	4.85	5.25	5.70
	CAE	CCJ	CEJ	CGE	DAJ

XXX Selected White Ash, Straight, with Strap Ferrule and Cap, Chucked and Bored.

REVONOC—Nos.	34½	35	35½
Length, ft.	4½	5	5½
W't per doz., lbs.	23	25	27
Per dozen	$4.05	4.35	4.70
	BIJ	CAJ	CCJ

MANURE FORKS.



No. 94.

No. 94 REVONOC—4 ft. bent, XXX selected white ash, with strap ferrule and cap, w't per doz. 25 lbs....per dozen **CBJ** $4.55
No. 94½ REVONOC—4½ ft. bent, XXX selected white ash, with strap ferrule and cap, w't per doz. 26 lbs., per dozen ..... **CCE** $4.80

MANURE, HEADER AND BARLEY FORK.



No. 74—Cruso, 4 ft. bent, X selected ash, w't per doz. 20 lbs., per dozen ..... **AGJ** $2.10
No. 74½—Cruso, 4½ ft. bent, X selected ash, w't per doz. 24 lbs. ..... per dozen **AHE** $2.30
No. 84 REVONOC—4 ft. bent, XXX selected white ash, w't per doz. 23 lbs. ..... per dozen **BBJ** $2.75
No. 84½ REVONOC—4½ ft. bent, XXX selected white ash, w't per doz. 25 lbs. ..... per dozen **BDJ** $3.00
No. 105 REVONOC—5 ft., XXX selected white ash, header fork, plain, no ferrule, w't per doz. 24 lbs., per dozen **BIJ** $3.65
No. 115 REVONOC—5 ft., XXX selected white ash, barley fork, plain, no ferrule, w't per doz. 24 lbs., per dozen **BIJ** $3.65
No. 115½ REVONOC—5½ ft., XXX selected white ash, barley fork, plain, no ferrule, w't per doz. 29 lbs., per dozen ..... **CEE** $4.45

ABOVE NUMBERS, ONE DOZEN IN A BUNDLE.

HEADER FORK.



XXX Selected White Ash, with Strap Ferrule and Cap.
No. 194 REVONOC—4 ft., w't per doz. 20 lbs., per doz. **CFJ** $4.55
No. 194½ REVONOC—4½ ft., w't per doz. 22 lbs., per dozen ..... **CIJ** 4.80
No. 195 REVONOC—5 ft., w't per doz. 24 lbs., per doz. **DEJ** 5.45

ONE DOZEN IN A BUNDLE.

GARDEN HOE.



No. 104½—Cruso, 4½ ft., X selected ash, chucked and bored, w't per doz. 16 lbs. .....per dozen **ABE** $1.60

TWO DOZEN IN A BUNDLE.



No. 106—Cruso, 4½ ft. x 2¼ in., for 7/0 sprouting and 8/0 hilling hoes, w't per doz. 25 lbs. .....per dozen **BAJ** $3.50

COTTON HOE.

No. 133—Cruso, 5 ft. X selected ash, for No. 33 cotton hoes, w't per doz. 18 lbs. .....per dozen **AFJ** $2.00

MORTAR HOE AND DRAIN CLEANER.



No. 116—Cruso, 6 ft., X selected ash, mortar hoe, chucked and bored, w't per doz. 31 lbs. .....per dozen **BAJ** $2.60
No. 146—Cruso, 6 ft., X selected ash, drain cleaner, w't per doz. 31 lbs. .....per dozen **BAJ** $2.60

PLANTERS' EYE HOE.



No. 124½—Cruso, 4½ ft., 2 in. butt, w't per doz. 20 lbs., per dozen ..... **AGJ** $2.25
No. 125½—Cruso, 5½ ft., 2 in. butt, w't per doz. 25 lbs., per dozen ..... **BJJ** $2.70

HAZEL HOE.

No. 154½—Cruso, 4½ ft., 2½ in. butt, w't per doz. 25 lbs., per dozen ..... **BJJ** $3.00

GERMAN HOE.

No. 134½—Cruso, 4½ ft., X selected ash, w't per doz. 16 lbs., per dozen ..... **BAE** $2.70

ONE DOZEN IN A BUNDLE.

GARDEN RAKE.



No. 155½—Cruso, 5½ ft., X selected asl., chucked and bored, w't per doz. 19 lbs. .....per dozen **AFE** $2.05
No. 156—Cruso, 6 ft., X selected ash, chucked and bored, w't per doz. 21 lbs. .....per dozen **AHJ** $2.25
No. 157—Cruso, 7 ft., X selected ash, chucked and bored, also useful for shepherds' crook, w't per doz. 23 lbs., per dozen ..... **BDE** $3.05

TWO DOZEN IN A BUNDLE.

SHEPHERDS' CROOK.



No. 198 REVONOC—8 ft., XXX selected white ash, w't per doz. 25 lbs. .....per dozen **CFJ** $5.30

ONE DOZEN IN A BUNDLE.

WINDOW BRUSH POLES.

Length, ft.	6	8	10	12
W't per doz., lbs.	12	15	20	31
Per dozen	$1.00	1.40	1.70	2.00
	JHE	ABJ	AEJ	AHJ

TWO DOZEN IN A BUNDLE.

HANDLES AND EXTRAS.

Cruso X Handles Have Belted Finish—REVEROC XXX Have Smooth Belted and Waxed Finish. Both Handsomely Labeled.

LONG SHOVEL, SPADE AND SCOOP HANDLES.

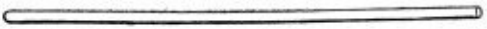


No. 200—Cruso, X selected ash, 4½ ft., regular pattern shovel, w't per doz. 21 lbs. .....per dozen **BEJ** $3.10
No. 205 REVEROC—XXX selected white ash, 4½ ft., regular pattern shovel, w't per doz. 22 lbs.....per dozen **CBJ** $4.00

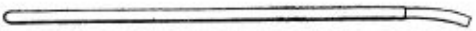


No. 210—Cruso, X selected ash, 4½ ft., regular pattern spade, w't per doz. 21 lbs. .....per dozen **BAJ** $2.60

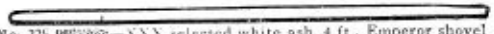
TWO DOZEN IN A BUNDLE.



No. 230—Cruso, X selected ash, 4½ ft., Chisholm pattern shovel, spade and scoop, straight, w't per doz. 20 lbs., per dozen .....**BEJ** $2.60



No. 240—Cruso, X selected ash, 4½ ft., Chisholm pattern shovel, spade and scoop, bent, w't per doz. 20 lbs., per dozen .....**BEJ** $3.10



No. 225 REVEROC—XXX selected white ash, 4 ft., Emperor shovel or spade, w't per doz. 19 lbs. .....per dozen **BIJ** $3.50
No. 220—Cruso, X selected ash, 4 ft., Emperor, shovel and spade, w't per doz. 19 lbs. .....per dozen **BEJ** $2.60

TWO DOZEN IN A BUNDLE.

D HANDLES.



No. 300—Cruso, X selected ash, shovel, regular pattern, length 30 in., w't per doz. 20 lbs. .....per dozen **BHJ** $3.50



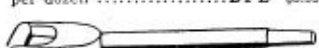
No. 310—Cruso, X selected ash, spade, regular patern, length 30 in., w't per doz. 20 lbs. .....per dozen **BFE** $3.35



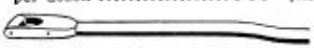
No. 320—Cruso, X selected ash, Chisholm shovel, spade or scoop, straight, length 28 in., w't per doz. 19 lbs., per dozen .....**BFE** $3.35



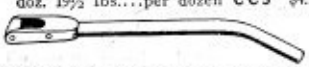
No. 390—Cruso, X selected ash, Chisholm shovel, spade or scoop, bent, length 28 in., w't per doz. 19 lbs., per dozen .....**BFE** $3.35



No. 370—Cruso, X selected ash, Emperor shovel or spade, length 23 in., w't per doz. 16 lbs.....per dozen **BFE** $3.35
No. 430 REVEROC—XXX selected white ash, Emperor shovel, length 23 in., w't per doz. 16 lbs., per dozen .....**CCJ** $4.10



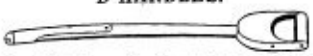
No. 330—Cruso, X selected ash, post, drain or ditching spade, length 30 in., w't per doz. 22 lbs., per dozen .....**CBJ** $3.30
No. 440 REVEROC—XXX selected white ash, tile spade, for Osmundson and Boss spades, length 28 in., w't per doz. 19½ lbs....per dozen **CCJ** $4.10



No. 340—Cruso, X selected ash, scoop, wood D, length 30 in., w't per doz. 21 lbs. .....per dozen **BHJ** $3.50

ONE DOZEN IN A BUNDLE.

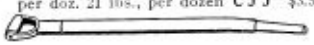
D HANDLES.



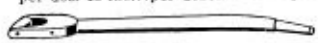
No. 301—Cruso, X selected ash, wood D, to fit King or Osmundson and Boss tiling spades, strapped and capped, length 29 in., w't per doz. about 23 lbs. .....per dozen **JFCJ** $10.00



No. 145 REVEROC—XXX selected white ash, barley fork, for 4 and 5 tined fork, malleable D, length 34 in., w't per doz. 21 lbs., per dozen **CJJ** $3.50



No. 360—Cruso, X selected ash, manure fork, malleable D, length 32 in., w't per doz. 18 lbs...per dozen **BBJ** $2.75



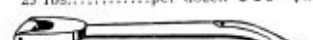
No. 400—Cruso, X selected ash, spading fork, wood D, length 32 in., w't per doz. 18 lbs.....per dozen **BFJ** $3.25



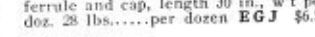
No. 410—Cruso, X selected ash, spading fork, malleable D, length 32 in., w't per doz. 20 lbs...per dozen **BBJ** $2.75



No. 259—Cruso, X selected ash, spading fork, malleable D, with strap ferrule and cap, length 32 in., w't per doz. 25 lbs.....per dozen **CIJ** $4.55



No. 380 REVEROC—XXX selected white ash, coke fork, wood D, with strap ferrule and cap, length 30 in., w't per doz. 28 lbs.....per dozen **EGJ** $6.50



No. 420 REVEROC—XXX selected white ash, coke fork, malleable D, with strap ferrule and cap, length 30 in., w't per doz. 26 lbs., per dozen .....**EGJ** $5.35

ONE DOZEN IN A BUNDLE.

PLAIN FERRULES.



No. 1—Hay fork, wrought, w't per doz. 2 lbs. .....per dozen JEJ $1.00
No. 3—Manure fork, wrought, w't per doz. 2½ lbs.....per dozen JEJ $1.00
No. 5—Spading fork, wrought, w't per doz. 2½ lbs.....per dozen JEJ $1.00
No. 7—Hoe or rake, wrought, w't per doz. 1¼ lbs.....per dozen DE $0.85

LOOSE.

STRAP FERRULES.



No. 2—Hay fork, wrought, w't per doz. 4 lbs. .....per dozen ACE $2.50
No. 4—Manure fork, wrought, w't per doz. 4½ lbs.....per dozen ACE $2.50
No. 6—Spading fork, wrought, w't per doz. 5 lbs.....per dozen ACE $2.50
No. 12—Strapped coke fork ferrule with cap, w't per doz. 6½ lbs., per dozen .....AGJ $3.35

LOOSE.

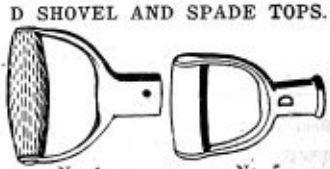
FERRULE CAPS.

No. 10. No. 11.

No. 10—Hay fork, wrought, w't per doz. ½ lb. .....per dozen CJ $0.50
No. 11—Manure fork, wrought, w't per doz. ½ lb. .....per dozen CJ $0.50
No. 14—Spading fork, wrought, w't per doz. 14 oz. .....per dozen CJ $0.55

LOOSE.

D SHOVEL AND SPADE TOPS.



No. 1. No. 5.

No. 1—Malleable iron, wood grip, w't per doz. 6¾ lbs...per dozen JIJ $1.75
No. 5—All malleable iron, hollow lamping grip, for railroad shovels, w't per doz. 13¼ lbs. ....per dozen AAJ $3.00

LOOSE.

OVB HANDLES.

Made From Specially Selected Straight Grained Northern White Ash—Belted and Waxed Finish.
Handsomely Labeled and Branded.

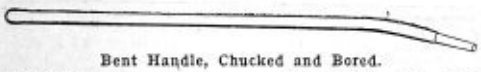
HAY FORK.



Straight Handle, Chucked and Bored.

OVB—Nos.	1024½	1025	1025½
Length, ft.	4½	5	5½
W't per doz., lbs.	20	23	26
Per dozen	$4.20	4.80	5.40
	BBJ	BEJ	BHE

ONE DOZEN IN A BUNDLE.



Bent Handle, Chucked and Bored.

OVB—Nos.	1054	1054½	1055	1055½
Length, ft.	4	4½	5	5½
W't per doz., lbs.	20	23	26	27
Per dozen	$4.70	5.00	5.60	6.40
	BDE	BFE	BIE	CCE

ONE DOZEN IN A BUNDLE.



Bent Handle, Blue Lacquered, Strap Ferrule and Cap.

OVB—Nos.	1064	1064½	1065	1065½
Length, ft.	4	4½	5	5½
W't per doz., lbs.	21	23	25	27
Per dozen	$8.10	8.40	9.00	9.70
	DBE	DDJ	DGE	EAJ

ONE DOZEN IN A BUNDLE.

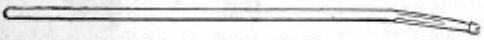
MANURE FORK.



Bent Handle, Chucked and Bored.

OVB—Nos.	1084	1084½
Length, ft.	4	4½
W't per doz., lbs.	23	25
Per dozen	$5.10	5.50
	BGJ	BIJ

ONE DOZEN IN A BUNDLE.



Bent Handle, Chucked and Bored, Blue Lacquered, Strap Ferrule and Cap.

OVB—Nos.	2094	2094½
Length, ft.	4	4½
W't per doz., lbs.	25	26
Per dozen	$8.45	8.90
	DDE	DGJ

ONE DOZEN IN A BUNDLE.

HEADER FORK.



Bent Handle, Chucked and Bored, Blue Lacquered, Strap Ferrule and Cap.

OVB—Nos.	1194	1194½	1195	1195½
Length, ft.	4	4½	5	5½
W't per doz., lbs.	20	22	24	26
Per dozen	$8.50	8.90	10.10	11.30
	DDE	DGJ	JECJ	JEHJ

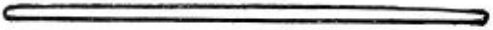
ONE DOZEN IN A BUNDLE.

EACH HANDLE WRAPPED IN PAPER; EACH BUNDLE IN BURLAP.

SHOVEL.



No. 2050 OVB—Long bent handle, regular pattern, length 4½ ft., w't per doz. 22 lbs. .....per dozen **CHE** $7.40



No. 2200 OVB—Long handle, Emperor, length 4 ft., w't per doz. 20 lbs. .....per dozen **CGJ** $5.33

SPADE.



No. 2100 OVB—Long handle, regular pattern, length 4½ ft., w't per doz. 21 lbs. .....per dozen **CDJ** $6.54

SHOVEL.



No. 3000 OVB—Wood D handle, regular pattern, length 30 in., w't per doz. 20 lbs. .....per dozen **DAJ** $7.90

SPADE.

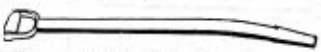


No. 3300 OVB—Wood D post handle, length 30 in., w't per doz. 22 lbs. .....per dozen **DHE** $9.25



No. 3100 OVB—Wood D handle, regular pattern, length 30 in., w't per doz. 20 lbs. .....per dozen **DJJ** $7.60

SPADING FORK.



No. 4100 OVB—Malleable D handle with wood grip, bored but not chucked, length 32 in., w't per doz. 20 lbs., per dozen .....**CAE** $6.00

SCOOP.



No. 3900 OVB—Wood D Chisholm bent handle, length 28 in. w't per doz. 19 lbs. .....per dozen **DJJ** $7.60



No. 3400 OVB—Wood D regular handle, length 30 in., w't per doz. 21 lbs. .....per dozen **DAJ** $7.90

ABOVE NUMBERS, ONE DOZEN IN A BUNDLE.

EACH HANDLE WRAPPED IN PAPER; EACH BUNDLE IN BURLAP.



No. R25
Rev-o-noc Garden



No. R52
Rev-o-noc Concrete



No. R13½
Rev-o-noc Contractors'



No. R17½
Rev-o-noc Concrete



No. R13½
Rev-o-noc Contractors'



No. R14
Rev-o-noc Contractors'

For descriptions and prices on Wheel Barrows see pages 259 and 260.

WHEEL BARROWS.

REVONOC TUBULAR.

All Steel, Tubular Handles, Painted Vermilion, Heavy Steel Tray, Painted Black, Wired and Beaded on Edge with ⅞ in. Iron Rod, Full Bolted Steel Legs and Braces, 16½ in. Steel Wheels, Painted Black.



No. R4 REVONOC—Tubular, 15 gauge seamless tray 32x29 in., capacity 3 cu. ft., No. A5½ steel wheel, 1½ in. tire, eight ½ in. spokes, 6 in. hub, ⅞ in. axle, w't per doz. 804 lbs., per dozen ..... **CIFJ** $66.00

No. R7 REVONOC—Tubular, 14 gauge seamless tray 38x30 in., capacity 4 cu. ft., No. A9 steel wheel, 1¼ in. tire, eight ½ in. spokes, 6 in. hub, ⅝ in. axle, w't per doz. 960 lbs., per dozen ..... **EBHJ** $84.00



No. R10 REVONOC—Tubular, 13 gauge seamless tray 41½x33 in., capacity 6 cu. ft., No. A9 steel wheel, 1¼ in. tire, eight ½ in. spokes, 6 in. hub, ⅝ in. axle, w't per doz. 1140 lbs., per dozen ..... **JGBJJ** $120.00



No. R52 REVONOC—Tubular, concrete or mortar, 14 gauge riveted tray 24x36 in., extra deep, capacity 4 cu. ft., No. W8 17 in. wheel, eight ½ in. spokes, 7 in. hub, ⅝ in. axle, w't per doz. 900 lbs. .....per dozen **EGFJ** $96.00

REVONOC CONCRETE.



No. R17½ REVONOC—Concrete, 16 gauge riveted tray 36x24 in., extra deep, capacity 4 cu. ft., mounted on angle iron risers, extension handles for front dumping, No. W8—17 in. wheel, eight ½ in. spokes, 7 in. hub, ⅝ in. axle, w't per doz. 900 lbs., per dozen ..... **EJDJ** $84.00

REVONOC CONTRACTORS'.

Heavy Steel Tray, Painted Black, Wired and Beaded on Edge with ⅞ in. Iron Rod, Hardwood Handles, Painted Vermilion and Varnished, Heavy Bent Angle Steel Legs, Painted Black, Braced and Bolted, Never-Break Steel Wheels, Painted Black, with Rivetless Malleable Hubs, 1½ in. Tires.



No. R13½ REVONOC—Contractors', 16 gauge seamless pan tray 33x32 in., capacity 4 cu. ft., No. W4 16 in. wheel, eight ⅝ in. spokes, 7 in. hub, ½ in. axle, w't per doz. 720 lbs., per dozen ..... **DJHJ** $68.00



No. R14½ REVONOC—Contractors', 16 gauge seamless tray 37x29½ in., capacity 4 cu. ft., mounted on angle iron risers, extension handles for front dumping, No. W4—16 in. wheel, eight ⅝ in. spokes, 7 in. hub, ½ in. axle, w't per doz. 720 lbs., per dozen ..... **DCBJ** $72.00

STEEL TRAY CONTRACTORS'.



No. 13½—Il-a-noy, 14 gauge seamless pan tray 33x32 in., wired and beaded on edge with ⅞ in. iron rod, capacity 4 cu. ft., hardwood handles and legs, steel braced and bolted, No. A1½ 16½ in. steel wheel, 1⅛ in. tire, eight ⅝ in. spokes, 6 in. hub, ¾ in. axle, w't per doz. 720 lbs., per dozen ..... **CHDJ** $64.00



No. 14½—Il-a-noy, 16 ga. seamless tray, 37x29½ in., wired and beaded on edge with ⅞ in. iron rod, capacity 4 cu. ft., hard wood handles and legs, braced and bolted, No. A1½ 16½ in. wheel, 1⅛ in. tire, eight ⅝ in. spokes, 6 in. hub, ¾ in. axle, w't per doz. 720 lbs., per dozen ..... **CFJJ** $60.00

STEEL TRAY CONTRACTORS'.



No. 20½—Cruso, 18 gauge steel tray 32x29 in., wired and beaded on edge with ⅞ in. iron rod, capacity 3 cu. ft., wood handles and legs, braced and bolted, No. A2 16½ in. steel wheel, 1½ in. tire, eight ⅝ in. spokes, 6 in. hub, ½ in. axle, w't per doz. 525 lbs., per dozen ..... **CJJJ** $48.00

WOOD TRAY BARROWS.



No. 2—Cruso, natural finish hardwood frame, braced and half bolted, length over all 62 in., 1½x2 in. handles 56 in. long, regular pieced tray 29 in. long, 34 in. wide, 8 in. deep, No. W1 16 in. steel wheel ⅞x9½ in., loose bolt axle, w't per doz. 480 lbs., per dozen ..... **AGDJ** $29.00



No. 17—Cruso, natural finish hardwood frame and box tray, half bolted, tray 27½ in. long, 25½ in. wide, 6 in. deep, nailed and strapped, 1½x2 in. handles 56 in. long, No. W1 16 in. steel wheel, ⅞x9½ in. loose bolt axle, length over all 62 in., w't per doz. 600 lbs., per dozen ..... **AIJJ** $30.00



No. 4—Cruso, natural finish hardwood bolted frame, stave tray 33 in. long, 27 in. wide, 7 in. deep, staves held by two steel bolt rods running through, 1½x2 in. handles 56 in. long, No. W1 16 in. steel wheel, ⅞x9½ in. loose bolt axle, 1¼ in. tire, length over all 62 in., w't per doz. 500 lbs., per dozen ..... **AHJJ** $30.00

No. 44—Cruso, with 16 in. steel wheel, 2¼ in. tire, w't per doz. 510 lbs., otherwise same as No. 4, per dozen ..... **BJDJ** $34.00

SHIPPED KNOCKED DOWN.

WHEEL BARROWS.

GARDEN BARROWS.



Hardwood Handles and Body, Painted Vermilion and Varnished, Bent Angle Steel Legs, Full Braced and Bolted, Never-Break Steel Wheel with Rivetless Hub.

No. R15 REVERSE—Length over all 58 in., size of bed, inside, 24 in. long, 19 in. wide at handle end, 8 in. deep, No. W15 wheel, 16 in. diam., 1¼ in. tire, six ¾ in. spokes, 6 in. hub, ½ in. axle, w't per doz. 408 lbs., per dozen ..... **BHHJ** $48.00

No. R25 REVERSE—Length over all 65 in., size of bed, inside, 28 in. long, 22 in. wide at handle end, 12 in. deep, No. W14 wheel, 20 in. diam., 1½ in. tire, 18x¾ in. axle, w't per doz. 600 lbs., per dozen ..... **CFJJ** $60.00

No. R35 REVERSE—Length over all 70 in., size of bed, inside, 31 in. long, 24 in. wide at handle end, 14 in. deep, No. W14 wheel, 20 in. diam., 1½ in. tire, 18x¾ in. axle, w't per doz. 815 lbs., per dozen ..... **DCBJ** $72.00



No. 010—Clipper, hardwood handles and body, painted and striped, bent wood legs with wood brace and steel shoes, length over all 65 in., size of bed, inside, 28 in. long, 20½ in. wide at handle end, 11½ in. deep, No. W010 Never-Break steel wheel with rivetless hub, 20 in. diam., 1½ in. tire, 15x¾ in. axle, w't per doz. 552 lbs., per dozen ..... **CFJJ** $60.00



No. 45—Cruso, hardwood body, handles, legs and braces, painted and varnished, length over all 62 in., size of bed, inside, 28 in. long, 23 in. wide at handle end, 12 in. deep, No. W45 Never-Break steel wheel with rivetless hub, 16 in. diam., 1½ in. tire, eight ¾ in. spokes, 7 in. hub, ½ in. axle, w't per doz. 552 lbs. ..per dozen **BHHJ** $48.00

SHIPPED KNOCKED DOWN.

MORTAR BARROWS.



No. 16—Cruso, painted brown, deep box tray, hardwood frame, braced and bolted, length over all 66 in., strongly strapped and ironed, front board 14 in. high, side boards 12 in. high, back 8 in. high, 1¾x2½ in. handles, 60 in. long, bottom 24x24 in., No. W4 16 in. steel wheels, w't per doz. 720 lbs., per dozen ..... **CGHJ** $63.00

STONE BARROWS.



No. 12—Cruso, painted brown, hardwood, extra heavy, bent handles 60 in. long, solid bottom 1½ in. thick 23x23 in., heavy tired 16 in. steel wheel, length over all 66 in., w't per doz. 900 lbs., per dozen ..... **DHJJ** $80.00

SHIPPED KNOCKED DOWN.

EXTRA WHEEL BARROW WHEEL.



Never-Break, Steel, Malleable Rivetless Hubs, Round Spokes with Countersunk Heads Hot-riveted into the Tire, Hollow Chamber in Axle Forming Grease Pocket.

Nos.	W1	W4
For barrows, Nos.	4,2,17	R13½,R14½
Diam., in.	16	16
Tire, in.	1¼x⅛	1½x⅝
Spokes, in.	6—⅜	8—⅜
Hub, in.	6	7
Axle, in.	½	½
W't per doz., lbs.	96	123
Per dozen	$12.00	18.00
	JGBJ	**AJHJ**

Nos.	W8	W14
For barrows, Nos.	R17½,R52	R25,R35
Diam., in.	17	20
Tire, in.	1½x⅝	1½x1½
Spokes, in.	8—½	8—⅝
Hub, in.	7	15
Axle, in.	⅝	¾
W't per doz., lbs.	168	147
Per dozen	$24.00	24.00
	ADDJ	**ADDJ**

Nos.	W010	W15	W45
For barrows, Nos.	010	R15	45
Diam., in.	20	16	20
Tire, in.	1½x¾	1⅝x1½	1⅝x1½
Spokes, in.	8—⅜	6—½	8—⅜
Hub, in.	5	6	4
Axle, in.	⅝	⅝	¾
W't per doz., lbs.	147	102	144
Per dozen	$24.00	18.00	24.00
	ADDJ	**AJHJ**	**ADDJ**

Standard, Steel, Malleable Hubs, Round Spokes with Heads, Hot-riveted into the Riveted Upset Tire.

Nos.	A1½	A2
For barrows, Nos.	13½,14½	20½
Diam., in.	16½	16½
Tire, in.	1⅜	1½
Spokes, in.	8—⅛	8—⅜
Hub, in.	6	6
Axle, in.	½	⅝
W't per doz., lbs.	102	105
Per dozen	$15.00	15.00
	JIJJ	**JIJJ**

Nos.	A5½	A9
For barrows, Nos.	R4	R7,R10
Diam., in.	16½	16½
Tire, in.	1½	1⅜
Spokes, in.	8—½	8—⅝
Hub, in.	6	6
Axle, in.	⅝	⅝
W't per doz., lbs.	140	170
Per dozen	$24.00	24.00
	ADDJ	**ADDJ**

CARTS AND ROAD SCRAPERS.

REVONOC HAND CARTS.



Hardwood Frame and Box, Nicely Painted and Varnished, Removable End Boards, Braced Steel Leg.

No. 24 REVONOC—Box 32x20x9 in., 30 in. steel wheels, 1½ in. tire, ⅞ in. steel axle, w't 80 lbs., each **JFFJ** $10.00
No. 25 REVONOC—Box 40x24x10 in., 36 in. steel wheels, 1½ in. tire, ⅞ in. steel axle, w't 90 lbs., each **JGHJ** $11.00



No. 2.

Hardwood Box, Nicely Painted and Varnished, Edges Ironed, Side and End Boards Detachable, Braced Steel Leg, Two-Leaf Springs.

No. 1 REVONOC—Without front wheel, box 37x20x8 in., 26 in. steel wheels, 1⅜ in. tire, ¾ in. steel axle, w't each 61 lbs., each .....**EGE** $8.50
No. 2 REVONOC—With 14 in. steel front wheel, w't each 68 lbs., otherwise same as No. 1 REVONOC, each .....**JGBJ** $10.50

F. O. B. Chicago Stock.



No. 3 REVONOC—Without front wheel, box 40x24x10 in., 30 in. steel wheels, 1⅜ in. tire, ⅞ in. steel axle, w't each 85 lbs., each★ .....**JHAJ** $12.00
No. 4 REVONOC—With 14 in. steel front wheel, w't each 93 lbs., otherwise same as No. 3 REVONOC, each★ .....**JICJ** $14.00

F. O. B., Factory, Toledo, Ohio.

REVONOC PLATFORM CARTS.



Steel Frame and Handles, Hardwood Platform, Painted Vermilion. Solid ¾ in. Steel Axle Extending Entirely Under the Body, Giving Strength and Solidity to the Cart. Will Easily Carry a 500 lb. Load. 36 in. Steel Wheels with Removable Boxings, 1¼ in. Tread, Platform 28x32 in., Width between Wheels 36 in., Outside Width 42 in., Bottom of Cart 6 in. Above Ground.

No. 30 REVONOC—Platform style, without side-boards or end boards, for handling anything in baskets, boxes, barrels, etc., and for milk cans, w't 95 lbs. .....each **JGBJ** $12.00

BARREL CARTS.

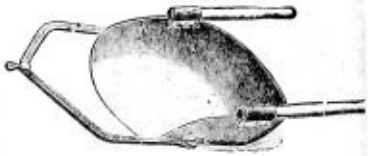


No. 29 REVONOC—Pick-up, without barrel, heavy steel frame, painted vermilion, 36 in. heavy steel wheels painted black, 1¼ in. tires, hardwood bolted crossbar handle, barrel is carried directly on the U-shaped steel axle and held in position by a chain as shown in cut, securely holds any size barrel, w't each 75 lbs. .....each **EDJ** $9.00



No. 26—Cruso, without barrel, consists of steel handles with hardwood crossbar, heavy 36 in. steel wheels with 1¾ in. tire and cast axle attachments to be bolted direct to barrel, also steel foot to support barrel, w't each 56 lbs., each .....**CHJ** $6.50

ROAD SCRAPERS.



REVONOC **Solid 10 Gauge Steel Bowl, without Seam or Lap, with Runners, 30 in. Round Hardwood Handles, Painted Vermilion, Fastened at Top of Bowl.**

No. R-1 REVONOC—34x33x12 in., capacity 7 cu. ft., w't 92 lbs., each **DFJ** $8.50
No. R-2 REVONOC—32x30x11½ in., capacity 5 cu. ft., w't 86 lbs., each **DCJ** $8.00
No. R-3 REVONOC—32x26x11 in., capacity 3 cu. ft., w't 78 lbs., each **DAJ** $7.50

REVONOC *round back scrapers are made deeper and longer than other brands and of an extra quality of steel.*

The REVONOC *scraper has a perfect cutting edge and, therefore, fills easily. The back is shaped to prevent the dirt going over the top of the back while filling.*

The scraper carries steadier and loses less dirt in going to the dump than any other round back scraper.

It has steel hooks, steel bail painted vermilion and a perfect working steel swivel.

The seamless japanned bowls are made of a special grade of steel. They scour easily and will work in any kind of soil.



IL-A-NOY, American Pattern, One-Piece Pressed Steel Bowl, 10 Gauge, Round Back, Steel Bail, 30 in. Hardwood Handles, with Runners.

No. 11—32x32x11 in., capacity 7 cu. ft., w't 88 lbs. .....each **DCJ** $7.70
No. 22—30x29x10½ in., capacity 5 cu. ft., w't 77 lbs. .....each **CIE** $7.20
No. 33—29½x24x10⅝ in., capacity 3 cu. ft., w't 70 lbs. .....each **CHJ** $6.90
SHIPPED KNOCKED DOWN.



CRUSO, Slusser Pattern, Riveted Steel Bowl, with Square Back, Steel Bail, 30 in. Hardwood Handles, with Runners.

No. 100—33x31x11 in., capacity, 7 cu. ft., 10 gauge, w't 81 lbs., each **CIE** $6.50
No. 200—31x29x10½ in., capacity 5 cu. ft., 11 gauge, w't 69 lbs., each .....**CFJ** $6.00
No. 300—30x28x10 in., capacity 3 cu. ft., 11 gauge, w't 65 lbs., each **CDJ** $5.80

ROAD SCRAPERS AND PLOWS.

WHEELED SCRAPERS.

Nos.	C1	C2
Capacity, cu. ft.	9	13
Bowl, in.	35x34½x11½	37x38x13½
Diam. of wheels, in.	35	40
Size of tires, in.	2¼x¼	3x¼
Size of sq. axle, in.	1⅛	1¼
Ga. of steel.	9	8
W't each, lbs.	400	600
Each	$48.00★ BHHJ	59.00★ CEDJ
Nos.	**A1**	**A2**
Capacity, cu. ft.	9	13
Bowl, in.	35x34½x11½	37x38x13½
Diam. of wheels, in.	35	40
Size of tires, in.	2¼x¼	3x1⅛
Size of sq. axle, in.	1⅛	1¼
Ga. of steel.	9	8
W't each, lbs.	442	645
Each	$50.00★ CJJJ	62.00★ CGBJ
Nos.	**A2½**	**A3**
Capacity, cu. ft.	14	16
Bowl, in.	41x38x13½	41x44x16
Diam. of wheels, in.	44½	46
Size of tires, in.	3x⅜	3x⅜
Size of sq. axle, in.	1¼	1¼
Ga. of steel.	7½	7
W't each, lbs.	705	755
Each	$68.00★ DJHJ	74.00★ DDDJ

For Factory Shipment Only, F. O. B. Sidney, Ohio.

Nos. C1 and C2 are Climax Brand, for farm work and light road work.

Nos. A1 to A3 are American Brand, for regular and heavy road work.

No better scrapers made.

DESCRIPTION.

Wheels—Best wood hub wheels, made of thoroughly seasoned stock.

Axle—Of hammered square steel. Arched high to give more room for the dirt in filling.

Tongue—Best quality of oak, very strongly ironed, with additional brace to draft bars.

Cross Bars—Heavy wooden cross bar, which not only serves as a brace to the draft bars, but prevents draft bars from bending down at the corners.

Draft Bars—Special steel. Very strong. Securely braced.

Bowl—Best quality of high carbon steel made especially for the purpose. It raises high to clear obstructions when going to the dump.

Bail—Conforms to shape of the top of the bowl, thus increasing its capacity, and avoiding the difficulty experienced with the old style bail when pulling down the lever.

Hooks—The hooks to prevent the scraper from dumping while filling are of ample strength, and carefully adjusted to enable the scraper to fill readily, and at the same time prevent the bowl from going too deep.

Sand Eveladers on the axles are simple, practical and efficient. No trouble to take the wheel off to properly oil the spindles.

WHEELED SCRAPERS.



BUCK SCRAPERS.



No. 1—Without runners, 5 ft. cutting edge, capacity 18 cu. ft., w't 325 lbs., each★ .....AEIJ $26.50

No. 1R—With runners, otherwise same as above★.....each AFEJ $27.50

No. 2—Without runners, 4 ft. cutting edge, capacity 24 cu. ft., w't 300 lbs., each★ .....AEJJ $25.00

No. 2R—With runners, otherwise same as above★.....each AEFJ $26.00

No. 3—Without runners, 3½ ft. cutting edge, capacity 12 cu. ft., w"t 265 lbs., each★ .....ADDJ $24.00

No. 3R—With runners, otherwise same as above★.....each AEJJ $25.00

These scrapers on account of their large capacity are especially recommended for use in loose or sandy soil and for leveling land for irrigating purposes. The cutting edges are made extra heavy of a superior quality of high carbon steel These cutting edges can be replaced when worn.

Width of blade, 12 in.; depth of back, 20½ in.; thickness of blade, ⅞ in.; thickness of back, ⅞ in.

FLAT BOARD SCRAPERS.



No. 50—Width 50 in., w't 80 lbs., each★ .....EAJ $8.50

For Factory Shipment Only, F. O. B. Sidney, Ohio.

Because of the peculiar shape and attachment of the curved draw bars, the user can handle this scraper with ease, and can make or clean out a ditch without driving the team into it. Just the thing for cleaning barnyards and filling tile drains.

Furnished with bent handles unless otherwise ordered. The steel blade is wide and extra heavy.

★*FOR FACTORY SHIPMENT ONLY.*

AMERICAN ROAD PLOWS.



Nos.	T7	T6
Size, horse	2	2
Length over all, ft.	9	9
Beam, in.	3⅛x6½x84	3⅛x6½x84
Cut	11	11
W't, lbs.	140	*175
W't of extra share, lbs.	...	21
Each	$34.50★ BJGJ	40.00★ BDJJ

Nos.	R1	R2
Size, horse	4 to 6	8
Length over all, ft.	9½	10½
Beam, in.	3⅛x7½x90	3⅛x7¼x102
Cut	11	11
W't, lbs.	*220	*315
W't of extra share, lbs.	25	40
Each	$45.00★ BGJJ	56.50★ CCIJ

No.	R3
Size, horse	10 to 12
Length over all, ft.	11
Beam, in.	4x8¾x108
Cut	12
W't, lbs.	*365
W't of extra share, lbs.	45
Each	$62.50★ CGEJ

For Factory Shipment Only, F. O. B. Sidney, Ohio.

**These weights include the extra share. No extra share is supplied with No. T7. Nos. T7 and T6, are township road plows. Nos. R1 to R3 are suitable for extra heavy road work and for railroad construction.*

Beams of the best white oak or hickory. Heavy iron strap on both upper and lower side of beams. Standards of heavy wrought-iron, thoroughly braced. Mouldboards and shares of best plow steel, extra heavy and double shinned. Landsides very heavy and long.

All of these plows are furnished with reversible steel cutter. Handles of the best white oak or hickory, strapped with iron, well braced, and made with solid iron hand-holds. Steel clevis, made extra strong, with two steel rings. The steel gauge shoe is much better and more durable than a gauge wheel. The handles are protected while plow is dragging, by a steel runner which is bolted to the beam. These plows will work in any soil and are built for the hard service required of road plows.

TRUCKS.

REVONOC TRUCKS.



Nos. 1 to 3. Nos. 22 to 24.

REVONOC

Warehouse, Hardwood, Bent Handles, Varnished, Half Ironed, Plain Iron Wheels, Steel Nose, Forged Axle, Turned Bearings.

Nos.	1	2	3
Handles, in...	48	52	56
Width, in.....	19	20	22
Wheels, in....	7½	8½	9½
W't, lbs.	43	60	77
Each	$7.00	9.00	13.00
	BIJ	CFJ	JEJE

REVONOC

Warehouse, Hardwood, Bent Handles, Varnished, Full Ironed, Steel Nose, Forged Axle, Turned Bearings.

Nos.	22	23	24
Handles, in...	52	56	60
Width, in.....	20	22	24
Wheels, in....	8½	9½	10½
W't, lbs.....	68	87	115
Each	$10.50	15.00	18.50
	JDCJ	JFJJ	JGEJ

REVONOC

Hotel, Hardwood, Bent Handles, Varnished, Half Ironed, Rubber Banded Wheels, Steel Nose, Forged Axle, Turned Bearings.

No. H2—52 in. handles, width 20 in., wheels 8½ in., w't 60 lbs., each .....JHCE $18.50



No. W34 REVONOC—Railroad, extra heavy varnished hardwood frame and handles securely mortised and bolted, heavily strapped, with steel nose, forged axle, turned bearings, 10¾ in. cast wheels, 60 in. handles, 24 in. wide, w't 120 lbs., each **JGBJ** $12.00

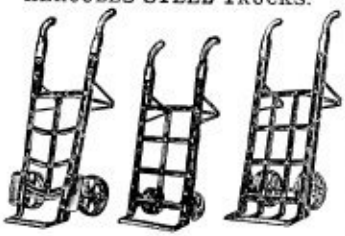
REVONOC BARREL TRUCKS.



Hardwood Bent Handles, Bent Iron Cross-Bars, Varnished Full Iron, Steel Nose, Forged Axle, Turned Bearings.

Nos.	71W	72W
Handles, in.	48	52
Width, in.	19	20
Wheels, in.	7½	8½
W't, lbs.	50	75
Each	$9.00	11.00
	DCJ	JEDJ

HERCULES STEEL TRUCKS.



	No. 033.	No. 02.	No. 04A.
Nos.	02	03	04
Suitable for...	General use	Heavy use	Extra Heavy
Full length, in.	55	60	67
Width, in. ...	21	22	24
Diam. wheels, in.	7½	8½	10¾
Diam. of axle, in.	1⅛	1⅛	1½
W't each, lbs..	80	90	136
Each .....$10.00★		12.00★	15.00★
	JFJJ	JGBJ	JIJJ

Nos.	04A	033	044
Suitable for...	Railroad	Medium Barrel	Heavy Barrel
Full length, in.	67	60	67
Width, in. ...	24	16 to 25	17 to 25
Diam. wheels, in.	10¾	8½	10¼
Diam. of axle, in.	1½	1⅛	1½
W't each, lbs..	150	102	144
Each .....$17.50★		14.00★	16.00★
	AJEJ	JHDJ	JIFJ

Handles are select hickory. The entire frames and axles are made of steel and the wheels of Lake Superior iron. All parts are riveted and bolted together, which makes it impossible to rack the frames.

LOOSE.

★*FOR FACTORY SHIPMENT ONLY.*

CRUSO TRUCKS.



No. 15. No. 13.

Hardwood, Bent Handles, Varnished, 6 Inch Wheels.

No. 15—Cruso, Light Box, 11x46 in., wrought iron nose, iron wheels, w't 19 lbs. .....each **AGE** $2.80

No. H15—Cruso, Light Household, 11x46 in., wrought iron nose, 6 in. rubber tired wheels, w't 9 lbs., each .....**CAJ** $5.20

No. 13—Cruso Light Bag, 11½x42 in., stamped steel nose, iron wheels, w't 19 lbs. .....each **AIJ** $3.20



No. 18—Cruso, Light Utility, split one-piece rock elm upright, supplementary handles, hardwood cross-bar at bottom, strongly bolted, width over all 17 in., steel axle, bent malleable iron nose, 4x1½ in. iron wheels, will carry 400 lbs., w't 9 lbs.....each **ABJ** $2.00

A beautiful little truck, cheap, light but very strong. Will hang up on the wall out of the way. Every store, shop, hotel and farm has use for it. Every household needs it for garbage and ash barrel.

EXTRA TRUCK WHEELS.

Cast Iron, Japanned, with Milled Axle Bearings.

Nos.	85	84	83
For Truck Nos.	1,71W	2,22,72W	3,23
Diam., in.	7¼	8½	9½
Face, in.	2	2½	2½
Length Hub, in. ...	2¼	2¼	3¼
Bore, in.	1⅛	1⅛	1⅛
W't each, lbs.	6	11	12
Each $1.50		1.80	1.80
	JGJ	JHE	JHE

Nos.	W22	172
For Truck Nos.	13,15	18
Diameter, in.	6	3½
Face, in.	1⅛	1¼
Length Hub, in.	1⅛	1¼
Bore, in.	⅝	.....
W't each, lbs.	3¼	1½
Each $0.90		.60
	DE	CJ

LOOSE.

TRUCKS, HODS, ETC.

REYNOLDS WAREHOUSE TRUCKS.



Hardwood, Nicely Oiled and Varnished, 12 Inch Wheels with 2 Inch Tread, 6 Inch Patent Ball Bearing Casters with 1¼ Inch Tread, 14 Inch to Top of Platform, Capacity 1200 Pounds.

Nos.	R1	R3	R5
Platform, ft...	2x4	2½x4	3x4
W't, lbs.....	152	172	173
Each	$25.00	26.10	27.00
	AEJJ	AEFE	AFBJ

Nos.	R4	R6	R8
Platform, ft...	2x5	2½x5	3x5
W't, lbs.....	161	175	192
Each	$26.10	27.00	29.25
	AEFE	AFBJ	AGEE

Hardwood, Nicely Oiled and Varnished, 18 Inch Wheels with 2¼ Inch Tread, 9 Inch Patent Ball Bearing Casters with 1¼ Inch Tread, 19 Inch to Top of Platform, Capacity 3000 Pounds.

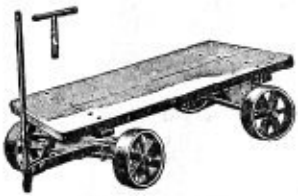
Nos.	R9	R11	R15
Platform, ft...	2x4	2½x4	3x4
W't, lbs.....	217	229	246
Each	$30.00	31.50	33.00
	AHJJ	AHIJ	AIHJ

Nos.	R18	R16	R21
Platform, ft...	2x5	2½x5	3x5
W't, lbs.....	230	243	255
Each	$32.25	33.00	35.25
	AICE	AIHJ	BAAE

Nos.	R19	R20	R22
Platform, ft...	2x6	2½x6	3x6
W't, lbs.....	240	255	270
Each	$33.00	34.50	36.00
	AIHJ	BJGJ	BAFJ

The front wheels being casters, the Reynolds truck will turn in its own length and can be run on elevator or scales from any angle. The wheels are so large in diameter, and so much of the weight comes directly over them, that one man can carry twice as much upon it as upon any other truck made.

WAGON TRUCKS.



Hardwood, Varnished Top, Cast Wheels and Turned Axles, Fifth Wheel, Folding Iron Tongue.

Nos.	101	102	103
Platform, ft.	3x2	3 1-6x2 1-6	3 1-3x2 1-3
W't, lbs...	115	120	126
Each	$18.00	19.00	20.50
	AJHJ	AADJ	ABCJ

Nos.	104	105	106 ..
Platform, ft.	3½x2½	3 2-3x2 2-3	3 5-6x2 5-6
W't, lbs...	150	155	160
Each	$22.00	23.00	24.00
	ACBJ	ACHJ	ADDJ

BOX TRUCKS.



Low Trucks, Hardwood, Varnished, Strong and Well Made, for Handling Large Boxes or Bales, Sharp Cone Head Bolts to Prevent Package from Slipping, Axles Turned and Wheels Bored.

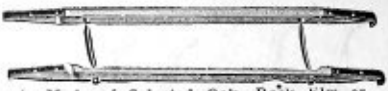
Nos.	Size.	Size of Wheel, in.	Size of Frame, in.	W't. lbs.		Each
751	16x18	3½	2½x4	24	BEJ	$3.50
752	16x24	4	2½x4	27	BIJ	4.00
753	18x26	4½	3½x4	40	CBE	4.50

TILTING BOX TRUCKS.



No. 78—Tilting Box Truck, hardwood, varnished, size 16x24 in., diam. center wheels 4½ in., end wheels 2½ in., center wheels covered so truck rocks on them and turns easily, for moving heavy boxes, w't each 35 lbs., each .....CIE $5.50

SKIDS.



Made of Selected Oak, Rock Elm or Hickory, Ends Heavily Ironed, Oiled and Varnished.

Nos.	Length and Kind.	Side Rails, in.	No. of Cross-Bars.	W't, lbs., each	DJ% Each
1	6 ft. Light	1¼x2¾	2	20	$4.80
2	6 ft. Heavy	1¾x3	2	34	6.00
3	7 ft. Light	1¼x2¾	2	24	5.60
4	7 ft. Heavy	1¾x3¼	2	38	7.00
5	8 ft. Light	1½x2¾	3	30	6.40
6	8 ft. Heavy	1¾x3½	3	40	8.00
7	9 ft. Heavy	1¾x3½	3	45	9.00
8	10 ft. Heavy	1¾x3¾	3	50	10.00
9	12 ft. Heavy	1¾x4 LOOSE.	4	65	12.00

HODS.



No. 1.



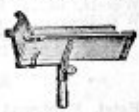
No. 2.

No. 1—CRUSO, mortar, 22x13x12 in., 4 ft. split sapling handle, w't per doz. 132 lbs. .....per dozen **JIFJ** $16.00

No. 2—CRUSO, brick, 25x10x7 in., 4 ft. split sapling handle, w't per doz. 96 lbs. .....per dozen **JFIJ** $11.50



No. 3.



No. 4.

No. 3 REVERE—Mortar, 26x13x11½ in., pressed sheet steel body, painted red, wire beaded edges, hardwood shoulder piece and 4 ft. handle, w't per doz. 122 lbs. .....per dozen **AEJJ** $25.00

Patent steel braces with screw socket to keep securely tightened.

No. 4 REVERE—Brick, 23x10x7 in., pressed sheet steel body, painted red, wire beaded edges, hardwood shoulder piece and 4 ft. handle, w't per doz. 92 lbs., per dozen .....**ABFJ** $21.00

SHIPPED KNOCKED DOWN.

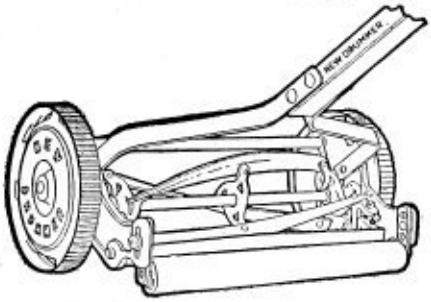
BRICK CLAMPS.



No. 412—Cleveland, wrought steel, aluminum finish, adjustable by means of thumb screw, from 17 to 27½ in., for carrying from 4 to 12 bricks, 14½ in. round handle, flattened ends 4x3 in., w't 5½ lbs., each **AFJ** $2.70

LAWN MOWERS.

THE NEW DRUMMER.



Guaranteed to be the best low priced mower ever made. Design new and attractive, very popular on account of lightness of draught. All connecting points machined to exact dimensions, shoulders milled on ends of steel cross rod to produce rigid frame. Wheels made with spoked ring, making a raised tread. Reel shaft is made of best machinery steel, ⅞ in. in diameter and has adjustable brass bushings to make up wear.

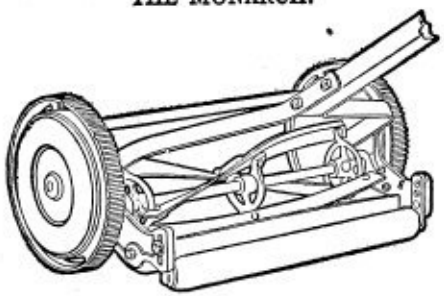
Decoration. Dark green wheels, apple green body and gold striping.

8¼ in. Wheels, 3 Crucible Steel Blades Carefully Tempered and Self-Sharpening, Reel 5½ in. in diameter, ⅝ in. Cross Rod, Screw Adjusting Cutter Bar, Malleable Iron Spiders, Hard Maple Handle and Roller.

Cut, in.	12	14	16	18
W't, lbs.	42	44	45½	48½
Each	$10.00	10.25	10.50	11.00
	JBDJ	JBEJ	JBFJ	JBGE

ONE IN A CASE.

THE MONARCH.

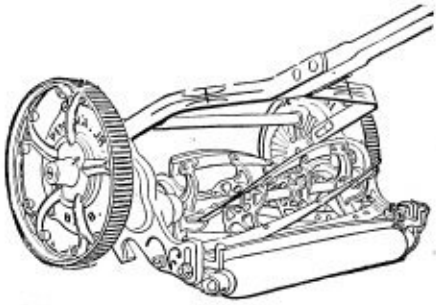


8¼ in. Drive Wheels, Three Crucible Steel Blades, Plain Bearing, Aluminum Finish Striped in Blue.

Cut, in.	14	16	18
W't, lbs.	44	45	47
Each	$9.00	9.50	10.00
	BCJ	BCE	JBEJ

ONE IN A CASE.

PENNSYLVANIA JUNIOR BALL BEARING.

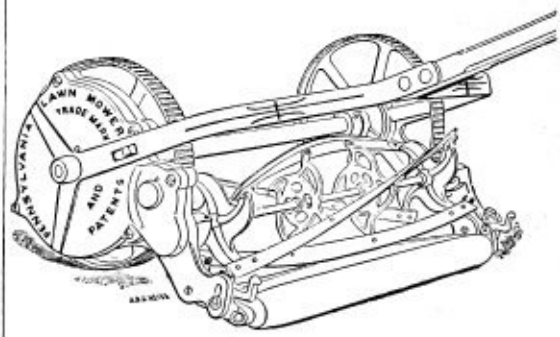


10 Inch Driving Wheels, Five Tempered Crucible Steel Blades, Self-Sharpening Dead Knife, Ball Bearing, Cylinder Journals, 6 Inch Cylinder, Train of Gears Each Side, Hardwood Roller and Handle.

Cut, in.	15	17	19	21
W't, lbs.	71	74	77	80
Each	$25.00	28.00	31.00	34.00
	ACHJ	AEEJ	AHAE	AHHE

ONE IN A CASE.

PENNSYLVANIA HIGH WHEEL.



10 Inch Driving Wheels, Four Crucible Steel Oil Tempered Blades, Extra Wide 6½ Inch Reel Geared on One Side With Triple Train of Gears, Hardwood Roller and Handles.

Nos.	15	17	19	21
W't, lbs.	78	82	85	97
Each	$25.00	28.00	31.00	34.00
	ABHE	ADDJ	AEIE	AGEJ

ONE IN A CASE.

LAWN MOWERS.

THE BARTLETT BALL BEARING.

For Illustration, See Color Page.

Furnished from Stock Only.

The Bartlett was made first and the cost figured afterwards. It is the most successful mower that we have ever known.

Every blade is made of crucible steel in the old fashioned way, hardened and tempered in oil, notwithstanding the fact that it involves six to ten times as much expense as if made of Bessemer or open hearth steel.

We know of numerous instances where this machine has been running for many years without requiring regrinding or any other sharpening than that which can be done by use of a screw driver, in adjusting the under knife so that it is kept in contact with the revolving blades. This feature alone is worth the full retail price of the mower, because it will save the user the expense of sharpening.

The dust proof ball bearing equipment of this machine is equal to that of the finest bicycle or automobile. It costs three times as much to make these parts as it does in the usual style.

The reels are perfectly adjusted when at the factory and it is rarely that adjustment is necessary. The wheel axles are of extra large size and length, and made of cold drawn steel shafting. The entire machine is made in jigs on an interchangeable plan, so that if by accident a part is broken or worn out, a duplicate which will work properly can be secured at a small expense. This care in manufacturing produces a perfect working of all parts, a smooth running and noiseless machine that will wear a life-time if given ordinary care.

Decoration—Beautifully finished in gold, maroon and blue, striped to enhance color effect.

10 in. Driving Wheels, 6 in. Reel, Five Highest Grade Crucible Steel Revolving Knives, Upturned Dead Knife Ground on Both Edges, Three Reel Braces, 9-16 in. Reel Axle with Bicycle Ball Bearings, 5-8 in. Front Cross Rod, Hooks for Attaching Grass Catcher, Hardwood Roller and Handle.

Cut, in.	15	17	19	21
Weight, lbs.	65	67	71	76
Each	$25.00	28.00	31.00	34.00
	JIEJ	AJFJ	AAGE	ABIJ

ONE IN A CASE.

THE REVONOC BALL BEARING.

For Illustration, See Color Page.

One of the best constructed and highest grade B. B. lawn mowers ever placed on the market. All connecting points and bearings thoroughly machined.

Ball bearing parts of high speed steel, tempered under secret process, reel bearings equipped with new patented automatic adjustment.

A ¾ in. steel shaft and double riveted end spiders prevent reel from being sprung and add increased momentum. Five revolving blades of best crucible steel, tempered in oil, shear cut, self sharpening, and ground under water by same process used in manufacture of finest cutlery.

Decoration—Gold and blue, striped.

11 Inch Drive Wheels, 6 Inch Diameter, Reel, ¾ Inch Shrub Rod.

Cut, in.	14	16	18	20
W't, lbs.	59½	64	65	68
Each	$22.00	23.00	24.00	25.00
	JGEJ	JGHJ	JHAE	JHDE

ONE IN A CASE.

THE WARREN BALL BEARING.

For Illustration, See Color Page.

Ball bearing wheels and automatic self-adjusting ball bearing reel cones, crucible steel oil tempered blades. Lower cutter bar has raised edge, making it a strictly self-sharpening mower. Working parts and joints are accurately made and set in machined sockets, giving the mower a perfect and strong frame construction. Cutter bar is adjusted by top and bottom screws, making it very difficult to spring the bar. Extra wide case hardened pawls, insuring a ratchet of long durability. A strong light and very easy running mower.

Decoration—White wheels, green frame, red and gold reel, striped.

10 Inch Drive Wheels. Every Bearing Ball Bearing. Four blade revolving reel, 6 in. in diameter.

Cut, in.	16	18	20
W't, lbs.	56	59	62
Each	$26.00	29.00	32.00
	JIFJ	AJHJ	ABJJ

ONE IN A CASE.

IL-A-NOY BALL BEARING.

For Illustration, See Color Page.

Very high grade ball bearing, of popular new open type construction, holes drilled through center of side plates, through which piece of steel shafting ⅝ in. in diam. passes, forming both a shrub guard and an axle for wheels, enabling them to turn on steel bearings. Recesses in shafting accurately placed so that side plates are at right angles with the cutter bar, making a true "four squared" frame.

Four revolving blades of high grade steel, self sharpening and ground under water to preserve temper, reel bearings equipped with new automatic adjustment, ball bearing part of high quality cone steel, carefully hardened.

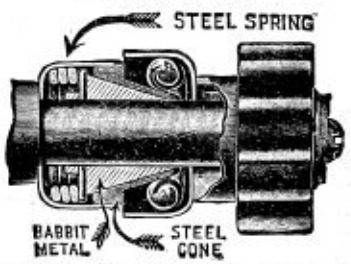
Decoration—Wheels red and gold, gold reel and bar, green side plates striped in appropriate colors.

10½ Inch Drive Wheels, 6 Inch Diameter, Reel, Screw Adjusted Cutter Bar, Hardwood Roller and Handle Lacquered to Protect from Weather.

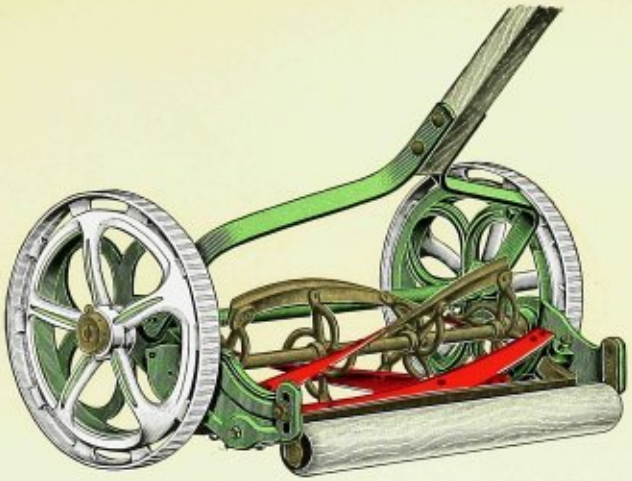
Cut, in.	14	16	18	20
W't, lbs.	57	61	64	63½
Each	$18.00	19.00	20.00	21.00
	JEBJ	JEEJ	JEHJ	JFAJ

ONE IN A CASE.

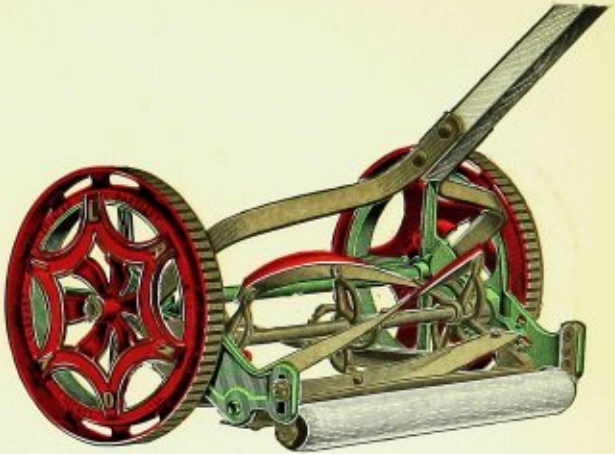
DESCRIPTION FOR AUTOMATIC BALL BEARING ADJUSTMENT.



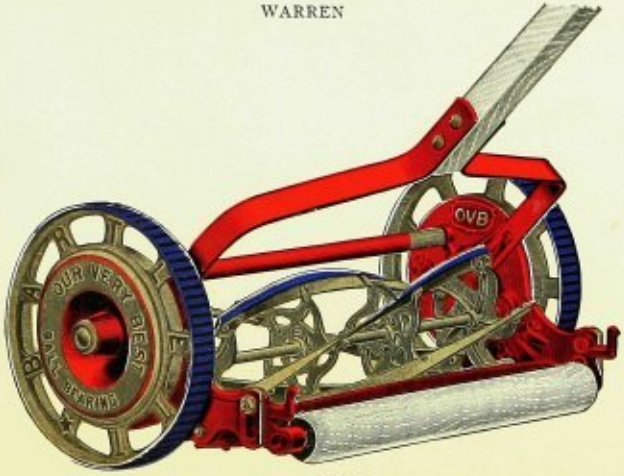
Automatic ball bearing adjustment consists of a case hardened steel spring, working against a collapsible sleeve, around shaft and inside the cone. At the instant all wear and looseness of cone is taken up by the spring, the sleeve grips the shaft, thus preventing any further pressure than is required by the most delicate adjustment. It keeps the ball bearings of the mower perfectly adjusted during the entire life of mower. This patent adjustment is used on the Warren, Revonoc, Il-a-Noy, Cruso and Paragon Mowers.



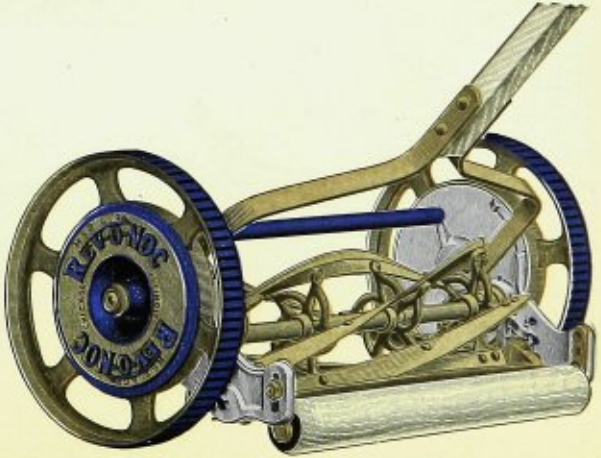
WARREN



IL-A-NOY



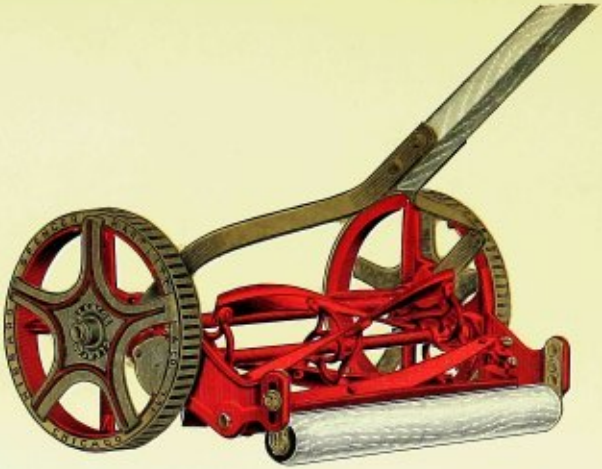
OVB



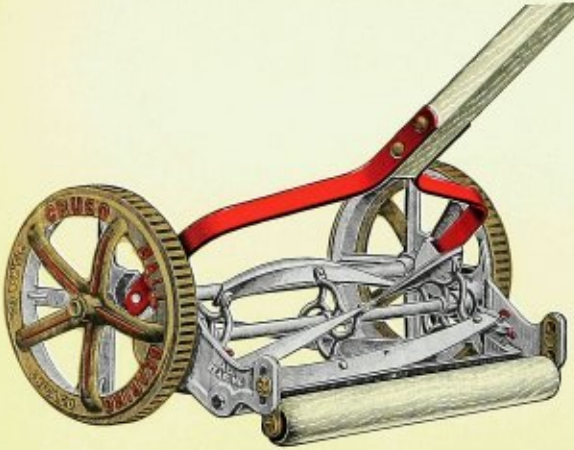
REV-O-NOC



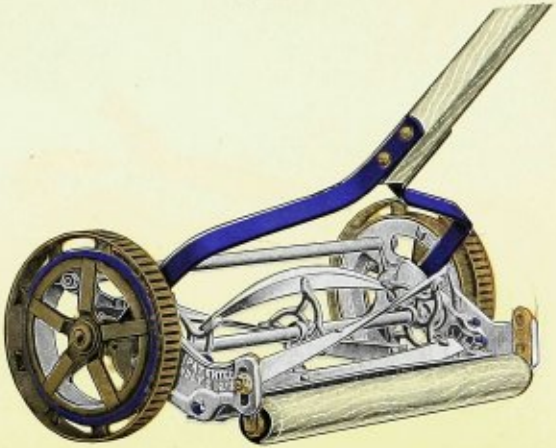
SUBURB



GLENCOE



CRUSO



PARAGON

LAWN MOWERS.

THE CRUSO BALL BEARING.

For Illustration, See Color Page.

The "Cruso," ball bearing, 9 in. wheels, four blade crucible steel reel, 5½ in. in diameter, carefully tempered and sharpened. Automatic, self adjusting, ball bearing cones. Strongly built frame construction. A very satisfactory ball bearing mower at a low price.

Decoration—Gold and aluminum.

Cut, in.	14	16	18
W't, lbs.	49	51	53
Each	$17.50	18.25	19.00
	JDEJ	JDGJ	JDIJ

ONE IN A CASE.

PARAGON BALL BEARING.

For Illustration, See Color Page.

8 in. Wheels, 4 Crucible Steel Blades Carefully Tempered and Sharpened. Reel 5½ in. in Diameter, Self-Adjusting Ball Bearing Cones, Finished in Gold and Aluminum with Red Trimmings.

Cut, in.	14	16	18
W't, lbs.	43	45	47
Each	$14.00	15.00	16.00
	JCFJ	JCHJ	JDJJ

ONE IN A CASE.

THE SUBURB.

For Illustration, See Color Page.

Without doubt the best plain bearing mower ever built. All parts accurately machined and fitted, wheels turn on steel bearings, which add to the easy running qualities of this mower. Blades of excellent quality crucible steel, water ground and self sharpening, concave edge to allow user to preserve perfect cutting edge if mower is reground or resharpened. Reel rigidly constructed and ratchet indestructible. Reel spiders and roller brackets made of malleable iron preventing possibility of breakage, bracket made with gudgeon entering roller 2¼ in. instead of an iron pin driven into roller, so that roller runs noiselessly and does not split.

Decoration—Gold wheels, sky blue frame, silver trimmings.

10½ in. drive wheels, 6 in. reel, four revolving blades, cutter bar screw adjusting, reel bearings fitted with brass bushings and a screw adjustment.

Cut, in.	14	16	18
W't, bs.	52½	60	63
Each	$16.00	17.00	18.00
	JDEJ	JDHJ	JEAJ

ONE IN A CASE.

THE GLENCO.

For Illustration, See Color Page.

A medium priced mower, graceful in outline, light in weight, yet strongly constructed, with best quality materials and workmanship throughout. Cutter bar bed plate planed to true surface, so stationary knife can be firmly riveted to it and have a perfect and even bearing. This together with the fact that the reel is a perfect cylinder produced by accurate grinding, insures a smooth cut lawn. Adjusting screws of cutter bar operated from top and against a finger extending from main body of bar, making it impossible to spring bar, as in adjustments where the two screws act against each other on either side of a pivotal point. Both screws being on top, it is unnecessary to turn mower upside down for adjusting.

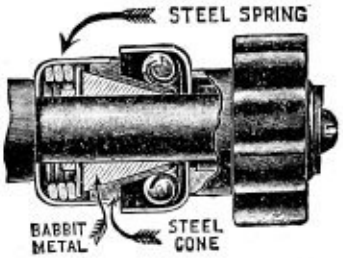
Decoration—Empire red and gold bronze.

9 in. Drive Wheels Turning on Steel Bearings, Four Revolving Blades of Crucible Steel. Thoroughly Hardened and Self Sharpening, 5½ in. Reel, 5⅝ in. Shrub Guard, Reel Bearings Equipped with a Lock Nut Set Screw Device for Taking Up All Wear.

Cut, in.	14	16	18
W't, lbs.	43	51	52
Each	$12.00	13.00	14.00
	JCBJ	JCCE	JCEE

ONE IN A CASE.

DESCRIPTION FOR AUTOMATIC BALL BEARING ADJUSTMENT.



Automatic ball bearing adjustment consists of a case hardened steel spring, working against a collapsible sleeve, around shaft and inside the cone. At the instant all wear and looseness of cone is taken up by the spring, the sleeve grips the shaft, thus preventing any further pressure than is required by the most delicate adjustment. It keeps the ball bearings of the mower perfectly adjusted during the entire life of mower. This patent adjustment is used on the Warren, [illegible], Il-a-noy, Cruso and Paragon Mowers.

LAWN MOWERS.

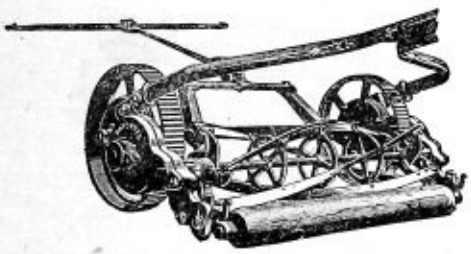
CHAMPION PONY.



30 inch Cut—10 in. driving wheels, 6⅛ in. open cylinder, three tempered steel blades, high speed reel, double drive, positive ratchet, very strong and neatly decorated, w't 100 lbs.....each **AHJJ** $30.00

ONE IN A CASE.

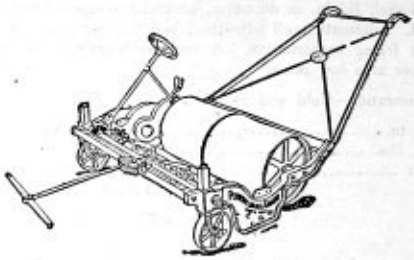
PENNSYLVANIA PONY OR TWO MAN.



25 in. Cut—Large open cylinder, rear cut, 4 blades, Enos bed plate yielding bed knife, self-sharpening, shifting clutch for throwing out of gear, brass boxes, long bearings, complete with handle and draft irons, w't 160 lbs., each .....**CDBJ** $50.00

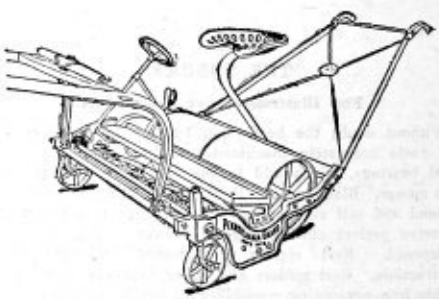
ONE IN A CASE.

PENNSYLVANIA GRAND HORSE.



Crucible Tool Steel Blades, 7½ Inch Open Cylinder, Diameter of Rollers 15 Inches, with Handles and Draft Irons.

No. 630—Cut 30 in., 4 blades, w't 595 lbs.★each **JHJJJ** $100.00
No. 730—Cut 30 in., 6 blades, w't 605 lbs.★each **JIJJJ** 112.50
No. 638—Cut 38 in., 4 blades, w't 675 lbs.★each **AJDJJ** 130.00
No. 738—Cut 38 in., 6 blades, w't 705 lbs.★each **AADJJ** 142.50



Crucible Tool Steel Blades, 7½ Inch Open Cylinder, Diameter of Roller 15 Inches, with Seats, Shafts and Handles.

No. 830—30 in. cut, 4 blades, w't 635 lbs.★each **JIFJJ** $120.00
No. 930—30 in. cut, 6 blades, w't 645 lbs.★each **AJFJJ** 132.50
No. 838—38 in. cut, 4 blades, w't 720 lbs.★each **ABJJJ** 150.00
No. 938—38 in. cut, 6 blades, w't 750 lbs.★each **ACJAJ** 162.50

The wheel at the right of the driver's seat regulates the height of cut from ¾ to 2¾ in. The operator, without leaving his seat, can instantly change from low to high cut or an intermediate one.

GRASS CATCHERS AND COLLECTORS.

GRASS CATCHERS.

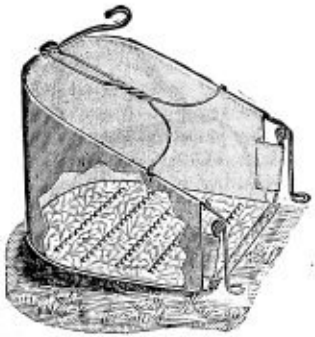


No. 8 REVONOC—20 in. deep, 18 in. wide, for 12 to 18 in. mowers, galvanized steel bottom, octagon back, heavy duck sides, new improved handle, front flange and hook brackets, w't per doz. 68 lbs., per doz. **JIIJ** $18.50

No. 10 REVONOC—22 in. deep, 22 in. wide, for 16 to 22 in. mowers, w't per doz. 90 lbs., otherwise same as No. 8 REVONOC, per dozen **AJGJ** $22.00

The special feature of above grass catchers is that they can be lifted off, free from the mower, can be raised or lowered, made wider or narrower, and when once fitted need no further attention. Guaranteed to give entire satisfaction.

ONE-HALF DOZEN IN A BURLAP BUNDLE.



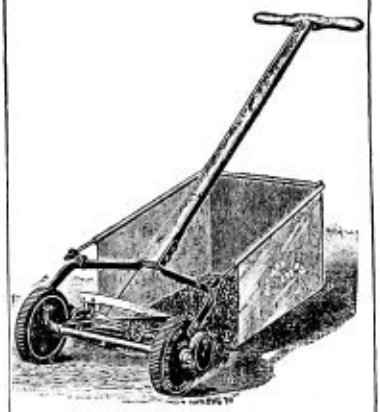
No. 110—Easy Emptying, 20 in. deep, 18 in. wide, for 12 to 18 in. mowers, galvanized steel bottom, round back, heavy duck sides, new improved handle, front flange and hook brackets, w't per doz. 53 lbs., per dozen .....**AAEJ** $18.50

No. 112—Easy Emptying, 22 in. deep, 22 in. wide, for 16 to 22 in. mowers, w't per doz. 62 lbs., otherwise same as No. 110....per dozen **ACHJ** $22.00

The special feature of above grass catchers, is their construction, which allows of their being lifted off, free from the mower with one hand and emptied wherever desired. They can be readily adjusted to fit any size or make of lawn mower, by any one, in a few minutes. They can be raised or lowered, set forward or backward, made wider or narrower, and when once fitted, need no further attention. Guaranteed to give entire satisfaction.

ONE DOZEN IN A LIGHT WOOD BOX.

GRASS COLLECTORS.



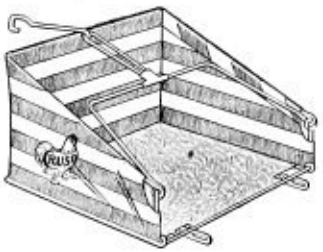
BRAUN'S, Galvanized Iron Bottom, Flexible Canvas Sides, Supported on Truss Rods, for High Wheel Mowers.

Width, in.	15	17
W't, lbs.	6	6½
Per dozen	$22.80	24.00
	AIGE	**BJGJ**

Width, in.	19	21
W't, lbs.	7	7
Per dozen	$25.00	27.00
	BAGE	**BCCJ**

This catcher is supported on truss rods which gives strength and firmness, and permit its being folded flat; can be attached or detached in a moment with one motion; can be dumped forward without detaching. The bottom will not sag nor drag on the ground when filled.

ONE-HALF DOZEN IN A CRATE.



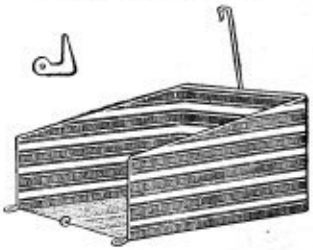
CRUSO, Galvanized Iron Bottom, Good Quality Duck, Easily Detached from Mower for Emptying.

No. 16—Cruso, adjustable for 12 to 16 in. mowers, w't per doz. 45 lbs., per dozen .....**JFFJ** $12.00

No. 18—Cruso, adjustable for 16 to 21 in. mowers, w't per doz. 60 lbs., per dozen .....**JGBJ** $15.00

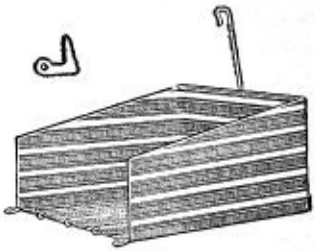
ONE-HALF DOZEN IN A BUNDLE.

GRASS COLLECTORS.



No. 3—Maricopa, height in front 5 in., in back 9 in., width 18 in., adjustable for 12 to 16 in. mowers, heavy wire frame with one stay wire on under side, blue and white canvas bag, w't per doz. 14 lbs., per dozen **DAE** $9.00

ONE-HALF DOZEN IN A BUNDLE.



No. 1 REVONOC—Height in front 8 in., in back 13 in., width 18 in., adjustable for 12 to 16 in. mowers, heavy wire frame with three stay wires on under side, blue and white canvas bag, w't per doz. 18½ lbs., per dozen .....**JECJ** $10.00

No. 2 REVONOC—Height in front 8½ in., in back 13 in., width 23½ in., adjustable for 18 to 21 in. mowers, w't per doz. 21½ lbs., otherwise same as No. 1 REVONOC, per dozen **JFJE** $12.00

ONE-HALF DOZEN IN A BUNDLE.

LAWN CLEANERS, TRIMMERS AND ROLLERS.

PENNSYLVANIA LAWN CLEANER AND RAKE.



This cleaner and rake is strongly built, it has a revolving reel to which is fastened three rakes with short steel wire teeth, an adjustable roller in front for regulating height, a large canvas box for catching leaves and rubbish.

Sizes, in.	24	36
W't per doz., lbs.	80	125
Each	$20.00	30.00
	AFJJ	BDJJ

This machine will remove the cut grass, all sorts of leaves, litter and trash, its use has a beneficial result to the lawn as it raises up the low growing crab grass and other spreading weeds, so that the mower will cut them, thus preventing their going to seed. Very easy to operate, and with it one man will do as much work as three men with hand rakes.

LAWN TRIMMERS.



This machine will cut within ¾ of an inch of wall or tree trunk and mow any border wide enough to run one wheel on.

No. 4—Pennsylvania, crucible steel teeth in both cylinder and stationary blades, self-sharpening, 8 in. wheel, 6 in. blade, ball bearings with Pennsylvania adjustments, hardwood handle with crossbar, 3 blades, w't 27 lbs., each ..... DEJ $7.50

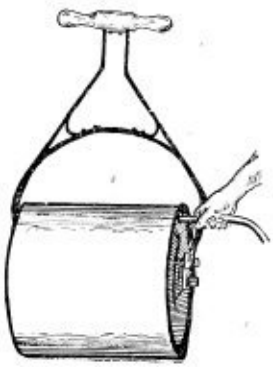
LAWN TRIMMERS.



No. 2—Pierce Improved, malleable iron castings, shears of best quality steel, ball bearing, w't per doz. 75 lbs., per dozen ..... ADDJ $30.00

ONE-QUARTER DOZEN IN A BOX.

DUNHAM "WATER WEIGHT" ROLLERS.



One Section, Drum is Electric Welded and Cannot Break, Roller Bearings.

No.	HW2	HW4
W't empty, lbs.	120	135
W't filled with water, lbs.	260	360
W't filled with sand, lbs.	360	560
Length, in.	20	24
Diam., in.	14	18
Each	$11.50	14.50
	JHGJ	AJIJ

No.	HW6	HW8
W't empty, lbs.	185	200
W't filled with water, lbs.	560	710
W't filled with sand, lbs.	860	1060
Length, in.	24	32
Diam., in.	24	24
Each	$18.50	20.50
	ACIJ	AEFJ

STOVER LAWN TRIMMERS.



No. 5—Stover, 7½ in. wheel, cutting blade 5½ in. wide, crucible steel blades nicely finished, w't 7 lbs., each ..... BDJ $5.00

This machine is very simple in construction and has an advantage over other trimmers in that the cutting blade is in front of wheel, thus allowing close cutting to edge and also cuts grass of any height.

DUNHAM LAWN ROLLERS.



Cast Iron Sections, Steel Handle Braces, Smooth Face with Round Outer Edges, Aluminum Finish, Roller Bearings.

Nos.	403	404	406
W't, lbs.	225	250	300
Length, in.	16	20	24
Diam., in.	20	20	20
Sections	2	2	3
Each	$14.00	15.50	18.50
	AJEE	AAGJ	ACIJ

Nos.	407	408	409
W't, lbs.	300	350	400
Length, in.	24	30	30
Diam., in.	20	20	24
Sections	2	3	2
Each	$18.50	21.50	24.50
	ACIJ	AFBJ	AHEJ

Nos.	411	413	415
W't, lbs.	450	500	600
Length, in.	24	24	30
Diam., in.	24	28	28
Sections	3	2	3
Each	$27.50	30.50	36.50
	BJGE	BCJE	BGFJ

EXTRA PARTS FOR LAWN MOWERS.

Entire page discount E%.



REPAIRS FOR BARTLETT B. B. MOWERS.

No. 43L—L. H. Side Plate....each $2.00
No. 44R—R. H. Side Plate....each 2.00
No. 1145—Drive Wheel, R. & L. H., each $1.25
No. 1104—Pinion, L. H. .....each .25
No. 1105—Pinion, R. H. .....each .25
No. 1106—Pawl .....each .05
No. 1107—Ball Cup .....each .10
No. 1108—Dust Cup .....each .10
No. 1109—L. H. Cone .....each .40
No. 1110—R. H. Cone .....each .40
No. 1116—15 in. Cast Back for Stationary Knife .....each $1.10
No. 1116—17 in. Cast Back for Stationary Knife .....each $1.20
No. 1116—19 in. Cast Back for Stationary Knife .....each $1.30
No. 1116—21 in. Cast Back for Stationary Knife .....each $1.40
No. 1117—15 in. Steel Blade for Stationary Knife .....each $0.75
No. 1117—17 in. Steel Blade for Stationary Knife .....each $0.85
No. 1117—19 in. Steel Blade for Stationary Knife .....each $0.95
No. 1117—21 in. Steel Blade for Stationary Knife .....each $1.05
No. 1119—15 in. Wood Roller..each .50
No. 1119—17 in. Wood Roller..each .55
No. 1119—19 in. Wood Roller..each .60
No. 1119—21 in. Wood Roller..each .65
No. 1120—L. H. Bracket Roller, each ..... .15
No. 1121—R. H. Bracket Roller, each ..... .15
No. 1124—Steel Pin for Cone..each .04
No. 1125—Set Screw for Cone..each .04
No. 1126—Set Screw for regulating Cast Back .....each $0.04
No. 1127—Set Screw for Stationary Knife Blade .....each $0.04
No. 1129—Bolt for Cast Back..each .02
No. 1131—Bolt for Wheel Bearing, each ..... .10
No. 1132—Washer for Wheel Bearing, each $0.02
No. 1133—Washer for Cast Back, each ..... .02
No. 1135—Nut for End Shaft..each .04
No. 1136—Wrench .....each .10
No. 1137—Sharpening Crank...each .10
No. 1138—Balls .....per set .30
No. 1140—Roller Pin .....each .06
No. 1146—Washer for Wheel..each .02
No. 1147—Bolt for Wheel.....each .10
Wood Handle .....each .75

REPAIRS FOR REVERSIBLE LAWN MOWERS.

No. 560—Wheel .....each $1.00
No. H65—Side Plate R. H. ...each 1.00
No. H66—Side Plate, L. H. ..each 1.00
No. C15—Pinion, R. H. .....each .25
No. C16—Pinion, L. H. .....each .25
No. B614—Cutter Bar Complete, each ..... .60
No. B616—Cutter Bar Complete, each ..... .70
No. B618—Cutter Bar Complete, each ..... .80
No. B620—Cutter Bar Complete, each 1.00
No. 10—Set Screw for regulating Cutter Bar .....each $0.05
Flat Pawl, both alike.....each .05
Wood Roller, all sizes .....each .50
Wood Handle .....each .50

REPAIRS FOR IL-A-NOY AND CRUSO LAWN MOWERS.

No. 34—Wheel .....each $1.00
No. 41—Side Plate, R. H. ..each 1.00
No. 42—Side Plate, L. H. ..each 1.00
No. 3—Pinion Cap .....each .12
No. B5—Pinion, R. H. .....each .25
No. B6—Pinion, L. H. .....each .25
No. B614—Cutter Bar Complete, each ..... .60
No. B616—Cutter Bar Complete, each ..... .70
No. B618—Cutter Bar Complete, each ..... .80
No. B620—Cutter Bar Complete, each 1.00
No. 10—Set Screw for regulating Cutter Bar .....each .05
Flat Pawls, both alike .....each .05
Wood Roller, all sizes .....each .50
Wood Handle .....each .50

REPAIRS FOR SUBURB AND GLENCOE LAWN MOWERS.

No. 34—Wheel .....each $1.00
No. 31—Side Plate, R. H. ....each .70
No. 32—Side Plate, L. H. ....each .70
No. 3—Pinion Cap .....each .12
No. B5—Pinion, R. H. .....each .25
No. B6—Pinion, L. H. .....each .25
No. B514—Cutter Bar Complete, Glencoe only .....each $0.60
No. B516—Cutter Bar Complete, Glencoe only .....each $0.70
No. B518—Cutter Bar Complete, Glencoe only .....each $0.80
No. B614—Cutter Bar Complete, Suburb only .....each $0.60
No. B616—Cutter Bar Complete, Suburb only .....each $0.70
No. B618—Cutter Bar Complete, Suburb only .....each $0.80
No. 10—Set Screw for regulating Cutter Bar .....each $0.05
Flat Pawls, both alike .....each .05
Wood Roller, all sizes.....each .50
Wood Handle .....each .50

REPAIRS FOR NEW DRUMMER.

No. 120—Drive Wheel .....each $1.00
No. 11—Side Plate, R. H. ...each .70
No. 12—Side Plate, L. H. ....each .70
No. B5—Pinion, R. H. .....each .25
No. B6—Pinion, L. H. .....each .25
No. B512—Cutter Bar Complete, each ..... .50
No. B514—Cutter Bar Complete, each ..... .60
No. B516—Cutter Bar Complete, each ..... .70
No. B518—Cutter Bar Complete, each ..... .80
Flat Pawls, both alike .....each .05
Wood Rollers, all sizes .....each .50
Wood Handle .....each .50

GARDEN HOSE.

MOLDED REEL HOSE.





Dissected view of our O.V.B. and REVO-NOC Molded Construction Reel Hose, showing tube, both braids or plies and cover.

O.V.B. Made of the Best Rubber and Yarn Put Into Hose and Capable of Any Known Pressure.

No. 2-M O.V.B.—Smooth Cover, in.	½	¾
Approx. w't per 100 ft., lbs.	27½	38
Per ft.	$0.25	.30
	AE	**AG**

No. 1-MC O.V.B.—Corrugated, in.	½	¾
Approx. w't per 100 ft., lbs.	28	39
Per ft.	$0.25	.30
	AE	**AG**

REVO-NOC—A Distinctive Fine High Quality Hose.

No. 3-M REVO-NOC Smooth Cov., in.	½	¾
Pressure, lbs.	140	125
Approx. w't per 100 ft., lbs.	26½	37
Per ft.	$0.23	.26
	AC	**AE**

No. 3-MC REVO-NOC—Corrugated, in.	½	¾
Pressure, lbs.	140	125
Approx. w't per 100 ft., lbs.	26½	37
Per ft.	$0.23★	.26★
	AB	**AE**

IL-A-NOY—A Reliable Hose of a Quality in Keeping with this Trade Name.

No. 15-M—Smooth Cover, in.	½	¾
Pressure, lbs.	125	100
Approx. w't per 100 ft., lbs.	25	36
Per ft.	$0.18	.23
	AA	**AD**

HURON—An efficient Hose of Substantial Quality.

No. 24-M—Huron, Smooth, in.	½	¾
Pressure, lbs.	130	115
Approx. w't per 100 ft., lbs.	26	36
Per foot	$0.16	.21
	JI	**AA**

No. 1 O.V.B. Corrugated has the corrugated cover, which construction is preferred by many dealers. Cover and tube of the same quality and thickness as the plain.

Molded Reel Hose is more pliable, will stand short bends and is stronger in every way than ordinary construction. It is more flexible and will not kink, also it possesses durability which permits abuse average hose will not stand.

All brands are constructed with 2 plies of tightly twisted cotton yarn. This construction makes the unwrapping of the plies impossible. The rubber is forced through the plies under high pressure during the process of vulcanizing, forcing this rubber from tube to cover and making a homogeneous body.

Another feature is the long length which permits the dealer to sell any length called for, making it more convenient to handle as all grades run to approximately 500 ft. lengths.

FIVE HUNDRED FEET ON A REEL.

WRAPPED.



FOUR-PLY, Special High Grade Duck and BLACK RUBBER, Strong and Durable, Guaranteed.

No. 4 O.V.B., in.	½	¾
Pressure, lbs.	150	125
Approx. w't per 100 ft., lbs.	29	38
Per ft.	$0.20	.25
	AA	**AD**

FOUR-PLY, Special High Grade Duck and RED RUBBER, Cover, Strong, Durable, Guaranteed.

No. 4R O.V.B., in.	½	¾
Pressure, lbs.	150	125
Approx. w't per 100 ft., lbs.	29	38
Per ft.	$0.22	.25
	AC	**AE**



SEVEN-PLY, Special Multiple Construction, Extra Strong, Durable, Guaranteed.

No. 7 O.V.B., in.	½	¾
Pressure, lbs.	150	125
Approx. w't per 100 ft., lbs.	29	38
Per ft.	$0.20	.25
	AB	**AC**

O.V.B. garden hose is a very reliable and strictly first class hose. It is absolutely guaranteed and will prove satisfactory in every respect. The Sherman coupling fitted with a band makes a neat and practical connection. A hose that should merit the attention of the most exacting buyer.



THREE-PLY, High Grade Duck and Black Rubber, Guaranteed to Give Satisfaction.

No. 3 REVO-NOC, in.	½	¾
Pressure, lbs.	100	85
Approx. w't per 100 ft., lbs.	24	33
Per ft.	$0.18	.20
	AJ	**AB**

FIFTY FEET IN A BUNDLE, WITH BRASS COUPLINGS.

WRAPPED.



SIX-PLY, Multiple Construction, High Grade Black Rubber, Guaranteed to Give Satisfaction.

No. 6 REVO-NOC, in.	½	¾
Pressure, lbs.	100	85
Approx. w't per 100 ft., lbs.	24	33
Per ft.	$0.18	.20
	AJ	**AB**

REVO-NOC hose is made of the same material as our O.V.B., the difference in the two being the number of plies. For an all-around serviceable hose, the REVO-NOC is an exceptionally good one.



"IL-A-NOY," THREE-PLY, Good Grade of Duck and Black Rubber.

No. 13, in.	½	¾
Pressure, lbs.	75	60
Approx. w't per 100 ft., lbs.	22	31
Per ft.	$0.15	.20
	AJ	**AA**



"IL-A-NOY," FIVE-PLY, Multiple Construction, Good Grade Black Rubber. A Very Satisfactory Hose.

No. 5, in.	½	¾
Pressure, lbs.	75	60
Approx. w't per 100 ft., lbs.	22	31
Per ft.	$0.15	.20
	AJ	**AA**

No 115-R—Il-a-Noy, 5 ply, ¾ in., red, for 60-lb. pressure, approximate w't per 100 ft. 31 lbs., per ft. **AJ** $0.18

A medium priced, good, serviceable garden hose.



No. 24—Huron, 4 ply, ¾ in., black, guaranteed for 50 lbs. pressure, approximate w't per 100 ft. 30 lbs., per foot ..... **AJ** $0.15

FIFTY FEET IN A BUNDLE, WITH BRASS COUPLINGS.

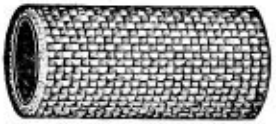
HOSE AND CALCUTT'S QUICK REPAIR TIRES.

GARDEN HOSE.



No. 33—Crow, 3 ply, ¾ in., black, not branded, 35 lbs. pressure, approx. w't per 100 ft. 27 lbs., per foot **JG** $0.30

FIFTY FEET IN A BUNDLE, WITH BRASS COUPLINGS.



Cotton, Rubber Lined.

No. 9—Cruso, guaranteed for 75 lb. pressure, approx. w't per 100 ft. 16 lbs., per foot .....**JI** $0.34

No. 10 —¾ in., white cotton, guaranteed for 85 lbs. pressure, approx. w't per 100 ft. 18 lbs., pe foot .....**AJ** $0.35

No. 11 —¾ in., white cotton, guaranteed for 150 lbs. pressure, approx. w't per 100 ft. 22 lbs., per foot .....**AB** $0.40

WIRE WOUND GARDEN HOSE.



We are prepared to furnish all garden hose listed, except Reel, No. 33 Crow and all Cotton, wire wound.

Round wire .....per foot **D** $0.05
Half Round wire ....per foot **JH** .12

WATER HOSE.



Special 4 Ply, High Grade Duck and Black Rubber.

—Inches	1	1¼	1½
Pressure, lbs.	200	200	200
W't per 100 ft. lbs.	57	66	75
Per foot	$0.50	.62	.75
	BE	CJ	CE

—Inches	2	2½
Pressure, lbs.	200	200
W't per 100 ft., lbs.	130	150
Per foot	$1.00	1.25
	JEJ	JGJ

WATER HOSE.



Special Grade Duck, and Black Rubber. A Good Hose.

—1 in., 3 ply, 80 lbs. pressure, w't per 100 ft. 40 lbs.....per foot **AG** $0.40

FIFTY FEET IN A COIL; WITHOUT COUPLINGS.

DISCHARGE.

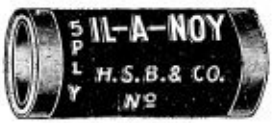


—1 in., 3 ply, black, used in connection with suction hose, w't per 100 ft. 45 lbs. .....per foot **AG** $0.40

—1 in., 6 ply, 160 lbs. pressure, multiple construction, special grade duck and black rubber, w't per 100 ft. 50 lbs. .....per foot **AG** $0.40

Strictly high grade, guaranteed.

FIFTY FEET IN A COIL; WITHOUT COUPLINGS.



Il-a-noy—1 in., 5 ply, 140 lbs. pressure, multiple construction, good grade black rubber, w't per 100 ft. 45 lbs., per foot .....**AE** $0.35

A very satisfactory hose.

WIRE WINDING.

Below is given additional list prices at which any of the above hose wire wound may be had.

Half Round Wire, for Four Ply Hose.

Inches	1	1¼	1½	2	2½
Extra per ft.	$0.16	.20	.24	.32	.40
	JH	JI	AJ	AE	AG

1 Inch—Half round wire for 3 ply hose, extra per foot .....**JF** $0.14

Round Wire, for Four Ply Hose.

Inches	1	1¼	1½	2	2½
Extra per ft.	$0.16	.20	.24	.32	.40
	JD	JE	JF	JG	JI

1 Inch—Round wire, for 3 ply hose, extra per foot .....**JI** $0.14

CALCUTT'S QUICK REPAIR TIRES.

SECTIONAL VIEW OF CALCUTT'S QUICK REPAIR TIRE SHOWING COUPLING IN POSITION



Pat. Nov. 6, 1906 **Pat. June 23, 1914**
Pat. Apr. 6, 1909 **Pat. July 28, 1914**

Extra Quality Rubber, Oil Tempered Steel Coil Wire Moulded in Center of Tire, for Go-Carts and Baby Carriages.

Sizes—Inches	⅜	½	⅝
Per box	$6.00	8.00	6.00
	CFJ	DHJ	CFJ

No machine needed for putting tires on wheels, not necessary to remove wheels, couples short pieces and avoids waste of material. Saves labor, no remnants.

DIRECTIONS FOR APPLYING.

To get correct length, simply measure tire in channel of wheel and cut tire about ¾ in. short per foot so tire will stretch over wheel under tension.

To join ends insert coupling with pliers in one end of tire, or put coupling in vice and push on tire, then hold end with coupling firmly in left hand and twist other end of tire towards you six complete revolutions (see cut), push together and screw from you by turning to the right, thus bringing tire back to natural position, then stretch over wheel by first placing coupled section of tire in channel of wheel between spokes and snap on from opposite side.

⅜ *and* ½ IN, 50 FT. WITH 24 COUPLINGS; ⅝ IN., 25 FT. WITH 12 COUPLINGS IN A BOX.

Calcutt's Quick Repair Tires for Go-Carts—The Best, Quickest and Most Practical Repair Tire Made.



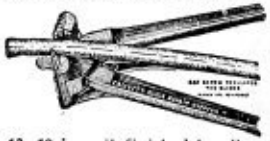
Showing end of tire with coupling held firmly in left hand after twisting other end of tier towards you six complete revolutions.

To uncouple tire, turn one end from you and pull apart gently.

Remember—The tire is not screwed on to the coupling pin but pushed on with a twisting motion. In coupling or uncoupling tire **always turn to the right.**

CALCUTT'S QUICK REPAIR NIPPERS.

Correct method for Cutting Tire.



No. 13—12 in., oil finished handles, 1¼ in. polished steel blades, w't 3¼ lbs., per pair .....**BGJ** $4.50

ONE IN A BOX.

STEAM, AIR, SUCTION AND OIL HOSE.

STEAM HOSE.



Special Heavy Thick Tube, Duck Cover, Rubber Inside.

O V B—½ in., 3 ply, w't per 100 ft. 36 lbs. .....per foot **C J** $0.47

4 Ply.

O V B—Inches	½	¾	1
W't per 100 ft., lbs..	42	61	83
Per foot $0.56		.71	.87
	C E	**D E**	**E B**
O V B—Inches	1¼	1½	2
W't per 100 ft., lbs..	112	121	175
Per foot $1.04		1.25	1.66
	J F B	**J G E**	**A J J**

6 Ply.

O V B—Inches	¾	1	1¼
W't per 100 ft., lbs..	77	100	131
Per foot $1.05		1.28	1.56
	J F E	**J G E**	**J I E**
O V B—Inches		1½	2
W't per 100 ft., lbs.		157	204
Per foot $1.87			2.49
		A A J	**A E J**

Under the trying conditions of steam hose work, our hose will test favorably with any brand of equal grade, no steam hose is guaranteed for wear.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.



REVONOC

Special Heavy Thick Tube, Duck Cover, Rubber Inside, Almost Equal to Our O V B.

REVONOC—½ in., 3 ply, w't per 100 ft. 33 lbs. .....per foot **B E** $0.47

4 Ply.

REVONOC—Inches	½	¾	1
W't per 100 ft., lbs..	36	56	75
Per foot $0.56		.71	.87
	B E	**C E**	**D J**
REVONOC—Inches	1¼	1½	2
W't per 100 ft., lbs..	93	107	155
Per foot $1.04		1.25	1.66
	J E J	**J F J**	**J H J**

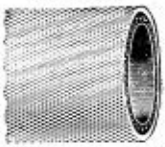
6 Ply.

REVONOC—Inches	¾	1	1¼
W't per 100 ft., lbs..	70	94	114
Per foot $1.05		1.28	1.56
	J E J	**J F J**	**J G E**
REVONOC—Inches		1½	2
W't er 100 ft., lbs.		138	162
Per foot $1.87			2.49
		J I J	**A B J**

Under the trying conditions of steam hose work, our hose will test favorably with any brand of equal grade, no steam hose is guaranteed for wear.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.

SUCTION.



4 Ply, Woven Jacket, Hard Rubber, Without Wire Insertion, Color Green.

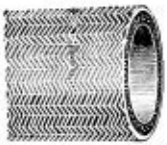
O V B—In..	¾	1	1¼	1½
W't 100 ft., lbs.	72	84	104	126
Per foot $0.65		.75	.93	1.13
	B E	**C J**	**D J**	**J D E**

FIFTY FEET IN A COIL.

Woven Jacket, Wire Insertion, Color Green.

O V B—2 in., raised ends, w't per 100 ft. 152 lbs. .....per foot **J E J** $1.50

FIFTEEN, TWENTY AND TWENTY-FIVE FOOT LENGTHS.



Braided Jacket, Wire Insertion, Color Green.

REVONOC—2 in., raised ends, w't per 100 ft. 143 lbs. .....per foot **J D J** $1.50

FIFTEEN, TWENTY AND TWENTY-FIVE FOOT LENGTHS.



REVONOC

REVONOC—1 in., 4 ply, hard rubber, without wire insertion, w't per 100 ft. 66 lbs. .....per foot **B E** $0.75

Strictly high grade, guaranteed. Used in connection with wire lined suction hose.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.



IL-A-NOY—2 in., 3 ply, wire lined smooth bore, black, lengths 15, 20 and 25 ft., with raised ends, w't per 100 ft. 115 lbs. .....per foot **J C J** $1.50

This is a good grade of agricultural hose and is guaranteed.

PNEUMATIC AIR TOOL.



Plain, Five Ply.

Inches	⅜	7/16	½
Per foot $0.20		.22	.25
	A B	**A C**	**A D**

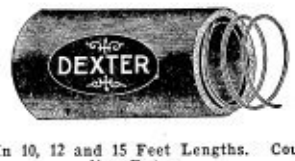
Plain, Seven Ply.

Inches	½	¾	1
Per foot $0.27		.34	.45
	A E	**B J**	**B E**

Half Round, Wire Wound, Seven Ply.

Inches	½	¾	1
Per foot $0.32		.38	.51
	A H	**B B**	**C J**

TRENCH PUMP SUCTION.



In 10, 12 and 15 Feet Lengths. Coupling Extra.

3 in., good quality heavy rubber tube on round steel wire, w't per 100 ft. 266 lbs. .....per foot **A C J** $4.00

Straight Ends for Coupling.

GASOLINE OR OIL HOSE.



Four Ply Heavy Duck.

O V B—Inches	¾	1
W't per 100 ft., lbs.....	56	80
Per foot	$0.71	.87
	D J	**E J**

This hose is made of special tubing with 4 ply heavy duck to stand gasoline or oil.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.

Cut pieces of Suction Steam or water hose can not be returned under any circumstances. Be very careful to order just what you want, as these cut pieces when returned are remnants and are of no value to ourselves or factory.

MILL AND FIRE HOSE AND COUPLINGS.

MILL.



Single Jacket, Cotton, Rubber Lined.

[illegible]—In.	1	1¼	1½	2	2½
Pressure, lbs..	400	400	400	400	400
W't 100 ft., lbs.	38	42	52	70	90
Per foot	$0.40	.50	.60	.65	.80
..	BE	CJ	DJ	DE	EE

This hose is constructed of the best and strongest yarn made, circular woven. The rubber lining is made from fine elastic rubber, three calendered lap jointed.

Will give efficient service in mills and factories as fire hose. Test pressure given is on arrival.

Single Jacket, Cotton, Rubber Lined.

[illegible]—In.	1	1¼	1½	2	2½
Pressure, lbs..	350	350	350	350	350
W't 100 ft., lbs.	32	36	46	62	80
Per foot	$0.40	.45	.50	.65	.80
	BJ	BE	CJ	CE	DE

The [illegible] has a two calendred lap joined rubber lining, and full standard weight jacket, will give good service with proper care.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.

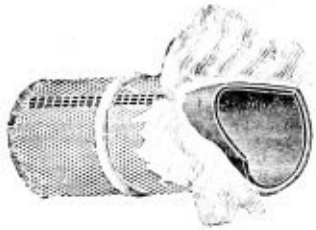
Single Jacket, Cotton, Rubber Lined.

CRUSO—In.	1	1¼	1½	2	2½
Pressure, lbs..	250	250	250	250	250
W't 100 ft., lbs.	28	32	40	52	68
Per foot	$0.40	.45	.50	.65	.80
	BJ	BB	BE	CJ	DJ

CRUSO hose is designed to meet the demand for a serviceable low priced mill hose.

FIFTY FEET IN A COIL, WITHOUT COUPLINGS.

FIRE HOSE.



Cotton, Double Jacket, Rubber Inner Tube with Couplings.

[illegible]—2½ in., 400 lbs. pressure on delivery, w't per 100 ft. 130 lbs., per foot★ .....AJJ $1.60

Fine quality rubber inner lining, extra heavy cotton jackets, tightly woven.

A strictly high grade fire department hose, adapted to all places where the pressure is most excessive and continued usage may be required.

[illegible]—2½ in., 350 lbs. pressure on delivery, w't per 100 ft. 116 lbs., per foot★ .....JIJ $1.40

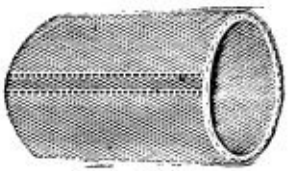
The [illegible] is a seamless circular woven long fibre cotton fire hose and possesses ample strength for any fire department.

CRUSO—2½ in., 300 lbs. pressure on delivery, w't per 100 ft. 100 lbs., per foot★ .....JGE $1.20

Good quality rubber lining, seamless circular woven jackets, standard weight. The CRUSO is a good cheap fire hose.

ANY OF THE ABOVE GRADES OF FIRE HOSE MAY BE HAD WITH SINGLE JACKET AT 10 CENTS PER FOOT LESS THE DOUBLE JACKET PRICES.

FIFTY FEET IN A SECTION WITH COUPLINGS.



Unlined Linen.

YALE—In.	1¼	1½	2	2½
Pressure, lbs.	500	500	500	500
W't 100 ft. lbs	14	16	22	26
Per foot	$0.26	.29	.36	.41
	BJ	BB	BE	CJ

Our Yale grade is listed, approved and labeled by the National Board of Underwriters.

KING—In.	1¼	1½	2	2½
Pressure, lbs.	400	400	400	400
W't 100 ft.lbs.	11½	13½	18	21½
Per foot	$0.24	.28	.33	.38
	AE	AF	BJ	BE

The King grade is built in accordance with specifications of the National Board of Underwriters but not approved or labeled.

IN COILS OF 50 FT. CAN BE FURNISHED IN 25, 50, 75 AND 100 FOOT LENGTHS. WITHOUT COUPLINGS.

★*FOR FACTORY SHIPMENT ONLY.*

WATER CONDUCTING HOSE COUPLINGS.



Brass, Hose Pipe Thread.

Inches	1	1¼	1½
W't, doz., lbs..	4½	10½	12¾
Per dozen	$4.40	10.00	14.00
	BAE	JEAJ	JFIJ
Inches		2	2½
W't per doz., lbs.		23½	35½
Per dozen		$24.00	48.00
		ABJJ	BDEJ

State whether for Iron Pipe or Hose Pipe Thread.

LOOSE.

STEAM HOSE COUPLINGS.

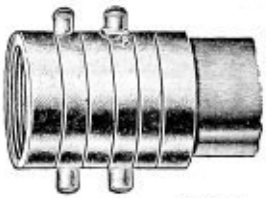


Brass, with Nuts or Lugs, Iron Pipe Thread.

Inches	½	¾	1
W't, doz., lbs.	7	8½	13
Per dozen	$15.00	15.00	18.00
	JGBJ	JGBJ	JHFE
Inches	1¼	1½	2
W't, doz., lbs.	22½	29	48
Per dozen	$34.00	30.00	42.00
	ABJJ	ADDJ	BJDJ

LOOSE.

AUTOMATIC COUPLINGS.



For Coupling Mill Hose with Automatic Couplings.

Inches	1¼	1½	2	2½
Per pair	$2.00	2.75	3.25	3.90
	ADE	AGE	BAJ	BEJ

These couplings are a trifle lighter than the regular fire hose couplings but for mill and kindred uses give entire satisfaction.

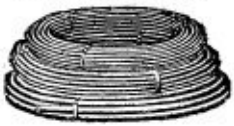
In ordering hose pipe couplings unless for iron pipe or hose pipe thread, exact measurements and thread must be furnished. It is always better to send sample of hose as different makes of hose vary a great deal.

State whether for Iron Pipe, Hose Pipe or Special thread. If special thread, send sample.

LOOSE.

TUBING AND GARDEN HOSE FIXTURES.

RED C. I. TUBING.



Red Cloth Insertion, High Pressure, Adapted for Beer or Other Pumps.

No. 14—⅛ in. inside diam., ⅛ in. walls, w't per 100 ft. 14 lbs., per ft. **JG** $0.11

No. 15—⅜ in. inside diam., 5-32 in. walls, w't per 100 ft. 16 lbs., per foot ..... **JG** $0.12

No. 17—½ in. inside diam., ⅛ in. walls, w't per 100 ft. 19 lbs., per ft. **AJ** $0.16

NO. 17, 50 FT. IN COIL; BALANCE, 50 FT. IN A BOX.

Red Cloth Insertion, Black Inner Tube, Especially Adapted for Gas.

No. 40—⅜ in. inside diameter, 5-32 in. walls, w't per 100 ft. 16 lbs., per foot ..... **JG** $0.10

FIFTY FEET IN A BOX.



White Rubber, 3-32 in. Wall.

No. 5—Sizes, in. ...	¼	⅜	½
W't per 100 ft., lbs..	9	11	18
Per foot	$0.16	.20	.25
	JF	**JG**	**JI**

Especially adapted for water, wine, etc., but not for gas or oils.

TWENTY-FIVE OR FIFTY FEET IN A PASTEBOARD BOX.

REVONOC HOSE WASHERS.



No. 22 REVONOC—Rubber, will fit ½ and ¾ in. hose couplings, per dozen packages ..... **CE** $0.60

ONE DOZEN WASHERS IN A PACKAGE; ONE DOZEN PACKAGES IN A CARTON.

WASHERS.



Rubber.

No. 20—For ½ or ¾ in. hose, per pound ..... **JEJ** $1.50

No. 21—For 1 in. hose, per pound ..... **JEH** 1.75

ONE POUND IN A BOX.

GARDEN HOSE NOZZLES.



No. 40 REVONOC—Polished wrought brass, for ¾ in. hose, screw tip, will spray or throw solid stream, length 4⅛ in., w't per doz. 6 lbs., per dozen ..... **JCIJ** $10.00

The spray can be graduated from a fine mist to a coarse spray. A fine operating and designed nozzle. Not rough on the inside but finished throughout.



No. 3—Gem, polished cast bronze metal, for ¾ in. hose, will spray or throw solid stream and can be regulated or closed, length 3½ in., w't per doz. 5½ lbs. .....per dozen **DBJ** $.800



No. 6—Genuine Boston, polished cast brass, for ¾ in. hose, will spray or throw solid stream and can be regulated or closed, length 4½ in., w't per doz. 4½ lbs. ....per dozen **DBJ** $7.50



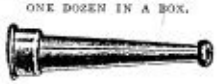
No. 5—Magic, polished cast brass, for ¾ in. hose, screw top, will spray or throw solid stream, with stop cock, length 5 in., w't per doz. 5½ lbs., per dozen ..... **DCJ** $9.00



Oakland, cast brass, polished, for ¾ in. hose, throws either straight or spray stream, length 3½ in., w't per doz. 2½ lbs. .....per dozen **CCJ** $4.50

By turning the spray key the deflecting plate may be thrown into the stream of water or turned entirely aside, thus giving the ordinary full straight stream.

ONE DOZEN IN A BOX.



No. 9—Plain stub, cast brass, polished, for ¾ in. hose, throws solid stream only, length 3 in., w't per doz. 3¾ lbs., per dozen ..... **AHJ** $3.50

TWO DOZEN IN A BOX.



No. 4—Cast brass, polished, for ¾ in. hose, screw tip, throws solid stream only, length 8 in., w't per doz. 6 lbs., per dozen ..... **CIJ** $7.50

TWO DOZEN IN A BOX.

SPRAY HOSE NOZZLES.



No. 10—Cruso, ¾ in., no shut-off, does not strain hose, w't per doz. 4⅝ lbs., per dozen ..... **CCJ** $5.50

The Cruso spray nozzle is the cheapest, simplest and best garden hose spray on the market, and gives a spray equal to that of any other.

Every one tested and guaranteed to be perfect.

ONE DOZEN IN A BOX.



Duo, for ¾ in. hose, wrought brass, no shut off, by snapping on spring spike it becomes a sprinkler, w't per doz. 2⅛ lbs. .....per dozen **AHJ** $3.00

Two in one, hose nozzle and lawn sprinkler, at half the price of one, throws either a spray or a solid stream. The large fan shaped spray covers more area and throws double the water, as the volume is not reduced to secure spray.

The Duo never leaks as there are no packed joints. A spring spike is furnished with each nozzle. Sprinkler can be moved about without turning off the water. As the Duo has no shut-off, does not strain the hose.

ONE DOZEN IN A BOX.

GARDEN HOSE COUPLINGS.



No. 01—Cast brass, cast brass nut, for ½ in. hose, w't per doz. 2 lbs., per dozen ..... **ABJ** $2.00

No. 1⅛—⅛ in. hose couplings, per dozen ..... **ABJ** $2.00

No. 1¼—Cast brass, cast brass nut, for ¾ in. hose, w't per doz. 2¼ lbs., per dozen ..... **ABJ** $2.00

No. 2¾—Cast brass female half of No. 1¼, w't per doz. 1 lb., per dozen ..... **JHJ** $1.50

Nos. 01 and 1¼ will fit ¾ in. Hose Bibbs.

LOOSE.



No. 2 Complete. Part.

No. 2—Snap, brass, for attaching hose to faucet nozzle, or for coupling two lengths of hose, complete, per dozen ..... **BIJ** $5.00

No. 02—Female part, brass, for No. 2 Snap Coupling, per dozen **AIJ** $3.00

For use any place where a quick and easy connection is desired. It is necessary only to screw the snap coupling threaded parts on the old threaded parts already in use and coupling is complete.

LOOSE.

HOSE SUNDRIES.

HOSE COUPLINGS.



SHERMAN, Wrought Brass.

No. 14½—For ½ in. hose, w't per doz. 2¼ lbs. .....per dozen **AEJ** $2.00

No. 16¾—For ¾ in. hose, w't per doz. 3 lbs. .....per dozen **AEJ** $2.00

Made from sheet brass, is free from sand holes and other defects. The double knurled flanges on the nut afford a fine grip for the hand, full water way, deep corrugations for imbedding into lining of hose, no soldered joints, and the fact that all parts are seamless are some of the features.

LOOSE.



Perfect Clinching, Wrought Brass, Self-Fastening.

No. 15½—½ in., w't per doz. 1 lb., per dozen .....**BAJ** $3.20

No. 15¾—¾ in., w't per doz. 1½ lbs., per dozen .....**BAJ** $3.20

A self-fastening coupling that does not require extra bands, bolts or wires. It adjusts itself to any thickness of hose.

Will not pull off and cannot turn within the hose.

Makes a smooth and perfect joint that has no projecting points and cannot leak.

Requires one tool—a hammer.

The finger ends come down directly behind the head, buckling the hose over the head and clamping it tight against the body of the tube. Either a direct pull, or heavy water pressure tends to set the head more solidly into the rubber and the harder the pressure the tighter it gets. It makes the same joint with the hose as the Perfect Clinching Mender. The tough brass in the clamping fingers permits taking off and using again.

ONE DOZEN IN A DISPLAY BOX.



CATELAIN HOSE COUPLING CLAMP.



Consists of a Brass Band ¾ in. Wide, Encircling the Hose and Drawn Tight with a Screw and Brass Thumb Nut. Made to Fit the Following External Diameters.

Nos.	1C	2C	3C
Fits hose, in..	¾to1½	1¾to2¼	2¾to4
W't, doz., lbs.	1⅞	1⅛	2
Per dozen	$2.80	3.10	3.60
	AFH	**AHF**	**BAE**

Clamps any round or oblong shape and can be installed without disconnecting hose. Can be tightened up with the fingers alone. Particularly adapted for applying in places that are hard to reach or where a tool cannot be used.

Widely used in connecting up automobile radiators.

ONE DOZEN IN A BOX.

HOSE CLAMPS.



SHERMAN'S, Single, Wrought Brass.

No. 7—2 ply—Size, in.	½	⅝	¾
W't per doz., lbs.	½	⅝	⅝
Per dozen	$0.60	.60	.60
	CE	**CE**	**CE**

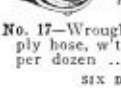
No. 7—3 ply—Size, in.	½	¾	1	1¼
W't per doz., lbs.	½	⅝	1½	1¾
Per dozen	$0.60	.60	2.00	2.50
	CE	**CE**	**JIE**	**ABJ**

No. 7—4 ply—Size, in.	½	¾	1	
W't per doz., lbs.	½	⅝	1½	
Per dozen	$0.60	.60	2.00	
	CE	**CE**	**JIE**	
Size, in.	1¼	1½	2	2½
W't per doz., lbs.	1¾	2½	3¾	5
Per dozen	$2.50	3.00	4.00	7.00
	ABJ	**ADE**	**AIJ**	**CCE**

The ½ and ¾ in. two ply are adapted to cotton hose; the ⅝ in. two ply is for ⅝ in. braided reel hose.

On all orders where ply is not specified we will send three ply up to and including 1¼ in.

ONE GROSS IN A BOX.



SHERMAN'S, Double.

Very useful in connection with menders in repairing hose.

No. 17—Wrought brass, for ¾ in. three ply hose, w't per doz. 1 lb., per dozen .....**JFJ** $1.20

SIX DOZEN IN A BOX.

HOSE MENDERS.





"PERFECT CLINCHING" Brass Tube, Bright Galvanized Steel Clamp.

No. 28½—For ½ in. hose, w't per doz. 1 lb. .....per dozen **JGJ** $1.50

No. 28¾—For ¾ in. hose, w't per doz. 1½ lbs. .....per dozen **JGJ** $1.50

This mender adjusts itself to any hose, whether old or new, and makes a mend that will not leak and cannot pull apart. Slips into hose easily, no projecting parts, leaves the hose smooth, strong and tight. The finger ends come down perfectly, directly behind the head, buckling the hose over the head and clamping it tight over the body of the tube.

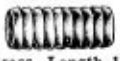
TWO DOZEN IN A BOX.



No. 19—For ¾ in. hose, cast iron, length 3 in., w't per doz. 2¼ lbs., per dozen .....**CJ** $0.50

LOOSE.

HOSE MENDERS.



Wrought Brass, Length 1¾ Inches.

No. 18½—For ½ in. hose, w't per doz. ½ lb. .....per dozen **CE** $0.70

No. 18¾—For ¾ in. hose, w't per doz. ¾ lb. .....per dozen **CE** $0.70

TWELVE DOZEN IN A BOX.



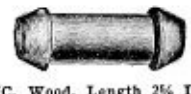
COOPER, Seamless Brass Tube, 2¾ Inches Long.

No. 22½—For ½ in. hose, w't per doz. ¾ lb. .....per dozen **JHE** $1.50

No. 22¾—For ¾ in. hose, w't per doz. 1 lb. .....per dozen **JHE** $1.50

Simple, practical and effective, does not reduce diameter of hose, will not rust, no wires, no pliers or mechanical skill to adjust.

THREE DOZEN IN A BOX.



MAGIC, Wood, Length 2⅝ Inches.

No. 20½—For ½ in. hose, per gross .....**JFJ** $1.00

No. 20¾—For ¾ in. hose, per gross .....**JFE** $1.10

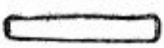
ONE GROSS IN A BOX. WEIGHT TWO POUNDS.



Display Card with One Set of Menders Attached to Rubber Hose and One Set Loose Furnished with Each Gross. The Simplest, Strongest and Best Device on the Market for Repairing Leaky Hose. Can Be Put on with the Hands Alone in Less than a Minute. Makes An Absolutely Water-Tight Connection. Can be Detached and Used Over and Over Again.

SURE SHUT, made entirely of brass and will fit any make of hose, w't per doz. 1 lb. ..... per dozen **ABJ** $2.00

HOSE STRAPS AND FASTENERS.



CALDWELL'S, Welded Brass Wire, W't per Gro. 2 Lbs.

Nos.	4	8
For hose, in.	½	¾
Per gross	$1.80	1.80
	AEJ	**AEJ**

ONE GROSS IN A BOX.



No. 10—Japanned iron, with spring, length 6½ in., w't per doz. 10 lbs., per dozen .....**AEJ** $2.50

LOOSE.

LAWN SPRINKLERS.

LAWN SPRINKLERS.



No. 501—Spiral, cast iron, japanned, diam. of base 3½ in., for ¾ in. hose, w't per doz. 12 lbs., per dozen .....**BEJ** $4.20

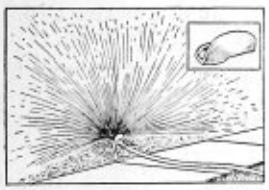
This sprinkler throws finely divided spray; adapted to any pressure.

ONE IN A BOX.



No. 502—Elgin, japanned iron, colored top, 7 in. runners, length 9 in., for ¾ in. hose, w't per doz. 30 lbs., per dozen .....**EGE** $8.00

ONE-QUARTER DOZEN IN A BOX.



No. 2—Shield for Elgin Sprinkler, cast iron, these are to be put on the sprinkler to throw all the water to one side so that the sprinkler can be put close to walk or house and not wet them, can be put on or taken off in one second. .....per dozen **ABJ** $2.00

ONE DOZEN IN A BOX.

LAWN SPRINKLERS.



No. 525—Low standard with sled, polished brass head and arms, ground bearings, japanned frame, for ¾ in. hose, w't per doz. 27 lbs., per dozen .....**AADJ** $18.00

ONE IN A CARTON; ONE DOZEN IN A CASE.



No. 522—Cyclone, japanned with sled, polished brass head and arms, ground bearings, japanned frame, for ¾ in. hose, w't per doz. 47 lbs., per dozen .....**ACBJ** $20.00

Adapted to any pressure and will throw a fine misty spray which will not injure the most delicate flowers.

ONE IN A CARTON; ONE DOZEN IN A CASE.



No. 550—Butterfly, gray iron, galvanized by a new process, ¾ in. hose pipe, thread cut in base, w't per doz. 7½ lbs.....per dozen **CCJ** $4.00

ONE DOZEN IN A PASTEBOARD BOX.



No. 551—Butterfly, gray galvanized iron head, japanned iron sled base, w't per doz. 26 lbs., per doz. **JGHJ** $9.60

Being mounted close to the ground, the vibration is less, consequently the spoon revolves more rapidly and better distribution results. Hydrant pressure of 35 lbs. will distribute satisfactorily over a circle 30 ft. in diameter.

ONE IN A PASTEBOARD BOX.

LAWN SPRINKLERS.



No. 554—Butterfly, galvanized gray iron, head mounted on 4 ft. standard, sharp point in base for setting in ground, w't per doz. 42 lbs., per dozen .....**JIJJ** $12.40

No. 556—Butterfly, head mounted on 6 ft. standard, w't per doz. 84 lbs., otherwise same as No. 554, per doz. **AJBJ** $14.80

No. 554 is proving especially popular for private lawns while No. 556 is being used largely in parks, cemeteries and golf grounds.

LOOSE.



No. 504—Fountain, heavy brass, polished and lacquered, diam. 8 in., w't per doz. 9 lbs. ....per dozen **JEGJ** $12.00

These are ideal sprinklers; no moving parts to get out of order, durable and very easy to operate, adapted to ¾ in. hose, any pressure.





No. 500—Baby Fountain, brass, polished and lacquered, diam. 5¼ in., w't per doz. 9 lbs.....per dozen **DEJ** $7.50

This sprinkler has the same mist-like spray as the original fountain but sprinkles a square plot instead of a round plot.

ONE IN A BOX.

THE "FOUNTAIN" FAMILY
OF
LAWN SPRINKLERS



504



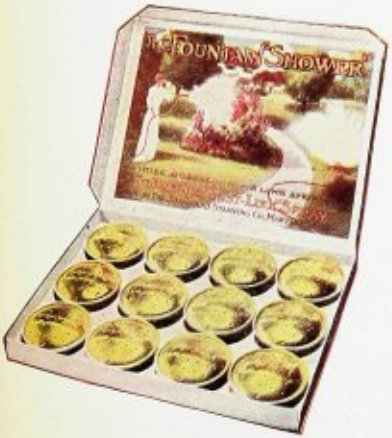
THE "ORIGINAL" FOUNTAIN
Known the Country Over
504



THE "BABY" FOUNTAIN
It Sprinkles Square
500



500



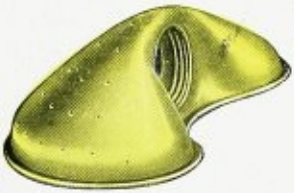
531



THE
FOUNTAIN "SHOWER"
A Hose Nozzle with the
Mist-Like Spray
531



536



THE "HALF-CIRCLE"
FOUNTAIN
It Sprinkles a Semi-Circle
Instead of a full Circle
536

LAWN SPRINKLERS.

LAWN SPRINKLERS.
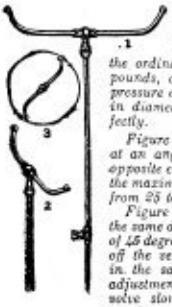


No. 536—Half circle, finished brass, 4½ in. long, delivers mist like spray, w't per doz. 4 lbs., per dozen .....CJJ $5.50

The water is all thrown forward from the sprinkler so that it can be moved about without shutting off the water. Very popular.

SIX IN A LITHOGRAPHED CARTON.

FISHER SPRINKLER.



The sprinkler arms can be adjusted to cover a space from 6 feet to 50 feet in diameter with the ordinary city pressure of 30 pounds, and with the minimum pressure of 15 pounds, thirty feet in diameter can be covered perfectly.

Figure 1. shows the arms set at an angle of about 45 degrees opposite each other, which gives it the maximum speed and will cover from 25 to 30 feet in diameter.

Figure 2 shows the arms set in the same direction, one at an angle of 45 degrees, and the other slightly off the vertical position pointing in the same direction. In this adjustment the sprinkler will revolve slowly but will cover the maximum amount of space.

Figure 3 shows the direction in which the sprinkler should be operated.

Fisher, Nickel Plated Brass Arms and Head, Steel Tube or Shank Painted Green, Height from Ground 23 in., Length Over All 29 in.

No. 534—Without tripod stand, w't per doz. 36 lbs.....per dozen **BAFJ** $42.00

No. 535—With tripod stand, w't per doz. 54 lbs. .....per dozen **BGJJ** $48.00

LOOSE.



Adapted to any pressure and will throw a fine misty spray which will not injure the most delicate flowers.

No. 519—Pluvius, with sled, w't per doz. 46½ lbs., otherwise same as No. 520 .....per dozen **ACBJ** $18.00

ONE IN A CARTON; ONE DOZEN IN A CASE.

E-Z LAWN SPRINKLERS.



No. 526—4x8x11 in., tubing made of 1 in. B brass, stand of No. 6 galvanized wire, w't 8 lbs., per doz. **DHJ** $10.00

Sprays on three sides only, leaving one side to approach and adjust it. Can be moved about without shutting off.

ONE-HALF DOZEN IN A PAPER PACKAGE.

THE "B" LAWN SPRINKLER.



No. J—"B" sprinkler, all brass, waters a space 20x40 ft. with square corners, w't each 3 lbs. per dozen **AHJJ** $30.00

No. D—"B" sprinkler, all brass, waters a space 10x40 ft. with square corners, w't each 3 lbs. per dozen **AHJJ** $30.00

No. F—"B" sprinkler, all brass, waters a space 22 ft. sq. with square corners, the sprinkler stand in one corner, w't each 3 lbs. per dozen **AHJJ** $30.00

WHAT THE "B" SPRINKLER DOES.

Throws water only in three directions so that it can be approached from the rear without wetting the operator.

Cannot upset.

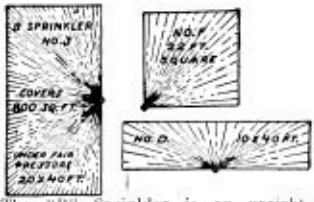
Does not hurl the water high in the air to be blown away by the wind, but sends it swiftly at a height of less than a foot above the lawn.

Distributes the water evenly over the plot of ground. Rain gauges placed haphazard in tests all showed the same precipitation.

The water does not dig furrows in the lawn, but settles evenly and softly like rain.

Lastly, and this feature alone places it without an equal on the market, it throws water into corners and along the entire edges of curbs, etc., and WETS ONLY THE GRASS, not the walks adjoining. It does not fling water in strong spurts over a lawn in a ragged pattern, but it will wet a plot of grass in the shape of a square, or various sized oblongs, evenly and softly.

HOW THE "B" SPRINKLER DOES IT.



The "B" Sprinkler is an upright cylinder divided into 9 chambers. In each chamber are holes pointed at different parts of the lawn. A turn of the faucet and the particular size of spray you are using decreases or spurts faster but **always maintaining** a straight outer edge and a fixed proportion, something no other sprinkler can do.

A brass strainer in the base of the sprinkler keeps out dirt, but the whole may be easily taken apart and cleaned if desired.

In ordering always be sure and specify the size wanted, giving the letter number and area dimensions.

THE FOUNTAIN SHOWER.



No. 531—Fountain, polished brass, diam. 2¼ in., w't per doz. 3 lbs., per dozen .....AEJ $2.50

A serviceable hose nozzle giving a mist-like spray.

ONE DOZEN IN A DISPLAY CARTON.

GARDEN MIST SPRAY.



No. 527—Solid brass, nickel finish, diam. 2½ in. across face, w't per doz. 3 lbs. .....per dozen **CJJ** $5.00

For lawns and flower beds. Does away with the sprinkling can. Gives the lightest, "mistiest" of sprays.

ONE IN AN ATTRACTIVE BOX.

HOSE REELS AND SPRINKLERS.

HOSE REELS.



No. 30—Hardwood frame and drum, painted red and varnished, height 36 in., capacity 150 ft. of ¾ in. hose, w't per doz. 125 lbs.,
per dozen .....**ABJJ** $24.00

The drum of the No. 30 reel is so constructed as to keep the hose in perfect condition, preventing kinking when winding up same.

ONE-THIRD DOZEN DRUMS IN A CRATE; ONE-THIRD DOZEN FRAMES IN A BUNDLE.



No. 2—Constructed entirely of metal, best tubular steel frame, strong cast iron wheels 7 in. in diameter, solid steel reel arms, heavy galvanized steel drum, frame enameled green, wheels and reel arm black, shipping w't 15 lbs., capacity 100 ft. of ¼ in. rubber hose .....per dozen **BAFJ** $34.00

The drum is corrugated to allow circulation of air and prevent mildew on hose.

The galvanizing insures freedom from rust, the 9 in. drum prevents injury to hose from tight winding. The reel is equipped with a crank, making the winding up of the hose easy, the adjustable hose holder at top of frame holds the nozzle in any position while spraying. An exceptionally strong, serviceable reel and will outlast the best wood reel made.

HOSE REELS.



No. 05—Hardwood frame and drum, oiled, height 38 in., two 5 in. cast iron wheels, cross handle, capacity 100 ft. of ¾ in. hose, w't per doz. 115 lbs., per dozen .....**JGBJ** $11.50

TWO IN A BUNDLE.

HOSE REELS.



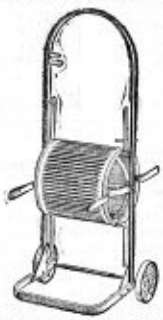
Frame and Wheel Rims of Steel Tubing, 21 In. Wheels, Steel Spokes.

No. 10—Capacity 100 ft. of ¾ in. hose, w't per doz. 204 lbs., per dozen .....**BHHJ** $54.00

No. 20—Capacity 150 ft. of ¾ in., or 75 ft. of 1 in. hose, w't per doz. 210 lbs., per dozen .....**CCFJ** $60.00

TWO IN A BUNDLE.

VICTOR GARDEN HOSE REELS.



No. 4—Constructed with channel steel frame, strong, 4 in. cast iron wheels, solid steel reel arms and 9 in. drum of heavy corrugated iron, frame enameled green, wheels and reel black, capacity 100 ft. of ¾ in. rubber hose, w't 12½ lbs. .....per dozen **ADDJ** $24.00

TWO IN A BUNDLE.

COMBINATION HOSE REEL AND SPRINKLER.





No. 42—Galvanized and malleable iron, special nickel plated brass faucet to attach to water pipe permanently, 20 in. reel, capacity 100 ft. of ¾ in. hose, w't per doz., with faucet, 115 lbs., per dozen .....**DCBJ** $60.00

Extra faucets .....each. **JIJ** 1.25

The special faucet is attached to water pipe by thumb screw forming an axle on which the reel revolves. The joint is made water tight by means of a special fibre washer and thumb screw.

The reel can be instantly attached or detached or remain attached to the faucet. The hose pulls off in any direction while water is running and as much or as little of hose unreeled as desired.

Hose is easily drained, impossible to kink or twist it, which greatly increases the life of hose.

FIRE HOSE SUNDRIES AND NOZZLES.

HOSE RACKS.



Malleable Iron, Style J, to Attach to Wall, for Unlined Linen Hose.

No. 70—For 50 ft. 1½ in. hose, w't 13 lbs. .....each **DJJ** $5.00
No. 71—For 50 ft. 2 in. hose, w't 14 lbs., each .....**DJJ** $5.00
No. 72—For 50 ft. 2½ in. hose, w't 14½ lbs. .....each **DJJ** $5.00
No. 73—For 75 ft. 1½ in. hose, w't 14½ lbs. .....each **DJJ** $5.00
No. 74—For 75 ft. 2 in. hose, w't 15 lbs., each .....**DJJ** $5.00
No. 75—For 75 ft. 2½ in. hose, w't 17 lbs. .....each **DJJ** $5.00
No. 76—For 100 ft. 1½ in. hose, w't 15 lbs. .....each **DHE** $6.00
No. 77—For 100 ft. 2 in. hose, w't 16 lbs., each .....**DHE** $6.00
No. 78—For 100 ft. 2½ in. hose, w't 17 lbs. .....each **DHE** $6.00
No. 79—For 150 ft. 1½ in. hose, w't 17 lbs. .....each **EFE** $7.00
No. 80—For 150 ft. 2 in. hose, w't 18 lbs., each .....**EFE** $7.00
No. 81—For 150 ft. 2½ in. hose, w't 19 lbs. .....each **EFE** $7.00

When hose is withdrawn pins do not drop to the floor.

ONE IN A CASE.

HOSE RACKS.



Hartford, Malleable Iron.

No. 23—For 50 ft. 1½ or 2 in. rubber lined hose or 150 ft. 1½ or 2 in. unlined hose, w't 23 lbs., each .....**DHE** $7.00
No. 24—For 50 ft. 2½ in. rubber lined hose or 150 ft. 2½ in. unlined hose, w't 26 lbs. .....each **DHE** $7.00
No. 25—For 100 ft. 1½ or 2 in. rubber lined hose, w't 30 lbs., each .....**EBJ** $7.50
No. 26—For 100 ft. 2½ in. rubber lined hose, w't 32 lbs. ....each **EEJ** $8.00

In ordering No. 23, specify whether 1½ or 2 in. is to be carried.

Nos. 25 and 26 will carry heavy hose of almost any make in 50 ft. lengths.

In ordering state whether wall brackets or pipe clamps are desired, and if latter, state size of the pipe.

ONE IN A CASE.

In ordering Nozzles larger than one inch, be sure to specify whether for Hose Pipe Thread or Iron Pipe Thread.

SWINGING HOSE REELS.



Malleable Iron.

No. 1—For 1¼, 1½, in. unlined linen hose 175 ft. long, or rubber lined cotton hose 50 ft. long, w't 27½ lbs., each .....**DAE** $6.00
No. 02—For 2 in. unlined linen hose 150 ft. long, or rubber lined cotton hose 50 ft. long, w't 27½ lbs., each .....**DEJ** $6.50
No. 3—For 2½ in. unlined linen hose 150 ft. long, or rubber lined cotton hose 50 ft. long, w't 27½ lbs., each .....**DHE** $7.00

LOOSE.

HOSE PIPES.



No. 95 with Screw Tips, Hose Pipe Thread.

Sizes, inches.	Discharge, inches.	W't per doz.	Per Dozen.
1 x 8	¼	10 lbs.	JDFJ $10.00
1¼x12	5/16	14 lbs.	JIBJ 20.00
1½x15	⅜	18 lbs.	AAJE 24.00
1½x12	7/16	18 lbs.	AAEJ 25.00
1½x15	½	25½lbs.	ACHJ 30.00
2 x12	½	20 lbs.	AGDE 38.00
2 x15	½	30 lbs.	BJGJ 45.00
2 x20	½	45 lbs.	BCJJ 50.00
2½x15	⅝	42 lbs.	CDEJ 75.00
2½x20	1	72 lbs.	DDAE 96.00
2½x24	1	72 lbs.	JDFJJ 100.00

For iron pipe thread an additional charge will be made.

LOOSE.

HOSE NOZZLES.



No. 97 Brass, Hose Pipe Thread.

Sizes, inches.	Discharge, inches.	W't per doz.	Per Dozen.
1¼x 4¼	3/8	7 lbs.	JEBE $12.00
1¼x12	3/8	15 lbs.	JGHE 18.00
1½x 5¼	7/16	7 lbs.	JGHE 18.00
1½x12	7/16	14 lbs.	JIFJ 22.00
2 x 6¾	½	15 lbs.	AADJ 26.00
2 x12	½	18 lbs.	ADHE 34.00
2½x 7½	5/8	22 lbs.	AFCE 37.40
2½x12	⅝or1	30 lbs.	BDJJ 55.00
2½x15	¾	36 lbs.	BHDJ 65.00
2½x22	1	75 lbs.	CICE 90.00

For iron pipe thread an additional charge will be made.

LOOSE.

SPRAY PUMP NOZZLES.



No. 642—Imperial, fine and coarse spray, per dozen .....**CJJ** $4.80

Will fit any ¼ in. pipe thread.

LOOSE.



No. 1019—Regular Bordeaux, particularly adapted for whitewashing, per dozen .....**JFIJ** $10.80

Throws a fine fan shaped spray and will readily free itself should it become clogged, when cock handle is turned. Will fit any ¼ in. pipe thread.

LOOSE.



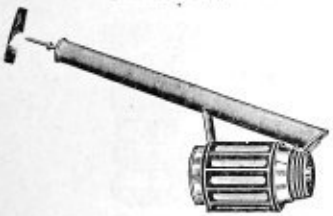
No. 763—Graduating, Vermorel, per dozen .....**FJJ** $9.00

Can be graduated from a fine mist to a solid spray. Will fit any ¼ in. pipe thread.

LOOSE.

SPRAYERS AND PUMPS.

SPRAYERS.



With Reservoir.

No. 020—Lightning, encased detachable glass reservoir, Mason fruit jar pattern, air chamber of cylinder 2⅛x14½ in., painted red, w't per doz. 38 lbs., per dozen .....**JFJJ** $11.50

No. 020 Sprayer is provided with a beveled air chamber which throws the spray at an angle, making it useful for spraying downward or upward, by simply turning the sprayer over. The air chamber, when in position, performs a churning motion while the sprayer is in operation, keeping the ingredients thoroughly stirred. It also has a patent spring expander which keeps the leather open and prevents it from drying up. It is useful for spraying plants and trees and keeping flies from horses and cattle.

ONE DOZEN IN A CRATE.

COMPRESSED AIR CONTINUOUS SPRAYER.



No. 22 OTTAWA—Galvanized iron reservoir 4 in. in diam., length 4 in., capacity 1 qt., tin air chamber 1½ in. in diam., length 18 in., steel pump shaft, wood grip, brass nozzles and filling hole cap, all parts interchangeable, w't per doz. 24 lbs., per dozen .....**JGBJ** $12.00

The OTTAWA *Sprayer is a CONTINUOUS sprayer, thus doing twice the work of any ordinary hand sprayer.*

Size of spray is easily regulated by screwing the nozzle. One of the two nozzles throws spray straight ahead, the other up or down or in any direction.

This sprayer does rapid work and is adapted for all kinds of spraying purposes, but will produce best results in spraying all kinds of vegetables, plants, trees and disinfectants.

ONE IN A CARTON, ONE DOZEN IN A CASE.

SPRAYERS.



No. 23—Cruso, single tube, air chamber 14½ in. long, 1¼ in. in diam., reservoir 4¼x4 in., fitted with a ¼ in. steel plunger rod, w't per doz. 12 lbs., per dozen .....**CCJ** $6.00

The special arrangement of the spraying tube is such that it thoroughly breaks up or atomizes all oils and solutions into a fine mist-like spray which penetrates all cracks and crevices. The sprayer is adapted for all kinds of general spraying and is used very extensively for spraying disinfectants.

ONE DOZEN IN A CASE.



No. 025—Cruso "Bantam," tank holding 1 pt. is 3 in. in diam. and 3 in. long, tube has ¼ in. pump rod fitted with anhydrous leather and special metal expanders to keep plunger leather in place, length over all 14 in., w't per doz. 9 lbs.....per dozen **BDJ** $4.50

TWO DOZEN IN A BOX.

REVONOC SPRAYERS.



No. 25H REVONOC—Plain tin, black wood handle, size of cylinders 18x1¾ in., size of reservoir 4¼x4 in., funnel end, capacity 1 qt., length over all 26 in., w't per doz. 16 lbs., per doz. **DCJ** $7.80

No. 30 REVONOC—IX tin, painted red, otherwise same as No. 25H REVONOC, per dozen .....**DIJ** $7.20

Made with exceptionally large air chamber. The conical end extends through the reservoir making the Sprayer very strong and compact. The funnel protects the discharge tube. This Sprayer produces a powerful, fine mist spray in any direction desired. Made special for spraying REVONOC *Live Stock Spray.*

BARREL PUMPS.



Barrel Not Included with Pump.

No. 305B—Brass, fitted with bronze ball valves, and brass seats, mechanical and jet agitator, hemp packed brass plunger, complete with 15 ft. of ½ in. 5 ply discharge hose and graduating Vermorel nozzle, w't per doz. 400 lbs., per dozen .....**JICFJ** $156.00

The construction is such that the entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the barrel staves. By this arrangement the working parts are entirely submerged in the liquid that is to be sprayed, thereby avoiding all possibility of losing priming, doing away with the necessity of suction pipe, placing the agitator in the bottom of the liquid in a simple form, and also doing away with a large amount of complicated parts. The air chamber is 30 inches in length, enabling the pump to throw a uniform, constant and elastic spray. It has good leverage, is very powerful and easily operated.

BUCKET PUMPS.

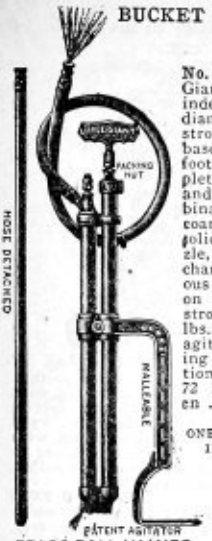


No. 324—Myer's, brass, fitted with brass ball valves and patent agitator, diam. cylinder 1¼ in., with solid plunger, malleable iron foot rest and lever, complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzle, w't per doz. 104 lbs., per dozen **DCBJ** $72.00

This pump can be operated with one-half the power of the ordinary spray pump, owing to the advantage of the lever handle. The air chamber is 50% larger than the ordinary bucket pump.

PUMPS AND SPRAYERS.

BUCKET PUMPS.



No. 327½ — Little Giant, brass cylinders 1½ in. in diam., 18 in. stroke, cast brass base, malleable foot rest, complete with hose and Imperial combination fine, coarse spray and solid stream nozzle, large air chamber, continuous stream, pumps on downward stroke, 50 to 100 lbs. pressure, has agitator for mixing spraying solution, w't per doz. 72 lbs., per dozen ..**BHHJ** $66.00

ONE-THIRD DOZEN IN A BUNDLE.

BRASS BALL VALVES.

MEYERS HANDY PORTABLE SPRAYER.

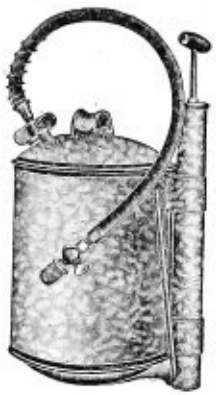


Complete with Cog Gear Spray Pump and Mechanical Agitator.

No. 336-B—Meyers, extra heavy galvanized iron, capacity 12½ gallons, complete with chemical agitator and Vermorel nozzle, 15 ft. of hose, 8 ft. pipe extension in two 4 ft. parts, shipping w't 75 lbs.★.....each **AFBJ** $27.00

Made especially for general use as a handy outfit about the home, being suitable for spraying trees, whitewashing, painting, etc. The pump is securely attached to the tank by means of a clamp connected direct to the channel, the iron that surrounds the top of the tank and held in position by one thumb screw. The handle can be located at any point desired. The tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands. Wheel and handles are made of wrought steel. The wheel is 16 in. in diameter.

COMPRESSED AIR SPRAYERS.



No. 300—Heavy galvanized, capacity 2 gallons, w't per doz. 30 lbs., per dozen .....**BHHJ** $48.00

They are designed for hard usage, cover a large area and withstand the strong chemicals often used. Simple and easy to operate. Fill the tank pump in a few strokes of air and it is ready for work. Pressure of thumb on brass nozzle produces a fine mist-like spray or solid stream. Release thumb pressure and spray is shut instantly, preventing waste of liquid. All parts coming in contact with liquid are made of brass to prevent rust or corrosion. A strainer inside the discharge cap is provided to prevent clogging of nozzle. Recommended for spraying garden vegetables, shrubbery, lice killer, disinfectant, etc.

ONE IN A BOX.

WHITEWASH SPRAY PUMP.



No. 28—Galvanized iron, equipped with 3 feet of best hose, 1 ft. brass extension rod and brass nozzle which will give two different sized sprays, ball valves and steel foot rest, w't per doz. 18 lbs.....per dozen **BAFJ** $36.00

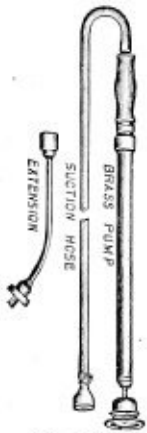
This pump is especially designed for spraying whitewash. Can be used in pail or bucket and will fit any size. It is provided with an overflow which carries all the liquid which might get above the plunger back into the pail. The plunger is easily removed and easy to operate, due to double action. Made with large air chamber. Much work can be done with this pump in a day that is impossible with a brush, and the force with which the material is applied causes it to penetrate the smallest crevices, making a perfect job.

ONE-HALF DOZEN IN A CASE.

★*FACTORY SHIPMENT ONLY F. O. B. ASHLAND, OHIO.*

PUMPS, SPRAYERS AND DRY POWDER DUSTERS.

SPRAY PUMPS.



No. 44—Powerful double acting, one valve only, all working parts made entirely of brass, w't per doz. 52 lbs., per dozen .....DCBJ $72.00

This "auto-spray" force pump consists of two seamless brass tubes working one inside the other, with valve in bottom, two elbows (one 45 degrees and one 90 degrees), one heavy seamless brass extension, non-clog Junior nozzle with strainer, four feet of suction hose, and a heavy strainer body on lower end of suction hose, which acts as a weight to keep suction hose from falling out of bucket.

This discharge opening is located on the top end of outer pump cylinder and remains stationary while the plunger is in action. This permits a steady spray directed at the will of operator.

This is an entirely new style of bucket pump, much more convenient than the old style with foot rest, because it is held in the two hands and the nozzle can be moved about over a large area.

The two elbows may be worked in several combinations for convenience in throwing the spray in any direction to reach top or under side of plants.

The pump is powerful and will spray any solution on trees, plants or vines, whitewash on hen houses, cattle fly oil, or disinfectants. By removing the loose parts inside nozzle it throws a stream for washing windows, etc., and a long distance spray for tall trees without the aid of a step ladder or long extensions.

Packed in individual fibre boxes with full instructions for using.

SPRAY PUMPS.



The "Auto-Spray" has a self-contained or inside brass air pump. By this arrangement the pump cannot be damaged. In this way, also, the air check valve is exposed and may be instantly removed or cleaned. The pump cylinder is extra heavy brass, and all parts of the sprayer are equally strong. The plunger rod is ⅛ in. steel, strong enough to stand all strain without bending. All cast parts are malleable.

This sprayer has ½ in. three ply hose of extra quality and permits large discharge ports, obviating back pressure and giving full force to the spray. The pump is fastened to the tank by a cam which gives direct and equalized pressure upon a heavy pure rubber gasket, making the joint absolutely air tight and one which will never leak, even under pressure.



The "Auto Pop" instantly and effectively controls the spray and automatically cleans the nozzle. The lever control permits use without fatigue.

"Auto-Pop."

"AUTO-SPRAY" with Reservoir.

Suitable for Whitewash.

No. 1B—Brass, equipped with "Auto-Pop," w't per doz. 186 lbs., per dozen .....GHGJ $96.00

No. 1C—Galvanized, equipped with stop cock device for regulating spray, w't per doz. 180 lbs., per dozen .....DIBJ $60.00

No. 1D—Galvanized, equipped with "Auto-Pop," w't per doz. 192 lbs., per dozen .....EDJE $66.00

Extra Parts for the Above.

Brass extension pipe, 2 ft., each	DJ	$0.75
Brass elbows	each DJ	.75
Strainers	each JHJ	2.00

PERFECTION SPRAYERS.



No. 110—Galvanized steel, pump is 1¼ in. seamless brass tubing, with a brass valve, rod is ⅛ in., fitted with anhydrous leather and our special metal expanders, hose is ¾ in., 5 ply cloth, inserted, and is equipped with automatic shut-off nozzle attached to sprayer with clamps, tested to 60 lbs., w't per doz. 108 lbs. empty, per dozen .....EDJJ $90.00

Perfection sprayer will handle whitewash, water paints, Bordeaux mixtures, etc., perfectly.

For whitewash and all heavy mixtures, turn the disc under the nozzle cap and put the projections outward.

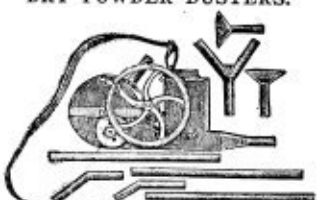
Built of high grade material.

Tanks are made of heavier metal than has ever been used in sprayers of this kind, are lock-seamed at the corners to cover heads of metal two gauges heavier than the sides.

Shoulder strap is attached with snaps and can be quickly and easily removed.

ONE IN A CRATE.

DRY POWDER DUSTERS.



No. 17—Lightning, consists of one 1 qt. reservoir, three 16 in. tubes, two 4 in. nozzles, one 8x6¼ in. Y connection, two 7½ in. elbows, and one carrying strap with a snap at each end, w't per doz complete 72 lbs., per dozen .....JGIBJ $132.00

The "Lightning" duster is far advanced over the old style cylinder pump arrangement. The gears are machine cut. It is made with gear wheels and no belt, and will spray anything in dry powder form.

The reservoir holds 1 quart of powder or 4 pounds of paris green. Provided with an agitator which produces a constant flow of powder which is blown out by the fan, also a gauge for regulating the amount of powder to be used. The duster will cover two rows at a time and may be adjusted for any width of row. Tubes may be connected for spraying trees, etc. Will kill insects, etc., not affected by a liquid spray.

ONE IN A CASE.

FODDER TYER, ROPE CLAMPS, SEED CORN TESTERS, ETC.

ROPE CLAMPS.



No. 1—Werum's, malleable iron, japanned, w't per doz. 2½ lbs., per dozen .....**J I J** $1.40

ONE DOZEN IN A BOX.

FODDER SQUEEZERS.



No. 4—Blair's, malleable iron frame and pin, with gray iron wheel, w't per doz. 7 lbs.....per dozen **B G J** $4.50

BROWN'S SEED CORN TESTERS.



No. 4—W't 15 lbs.★....each **D B J** $7.00

Wire racks, each rack holding 24 ears of corn, twelve wooden trays 4x26 in., 27 in. long, 6 in. wide, upper and lower trays of metal.

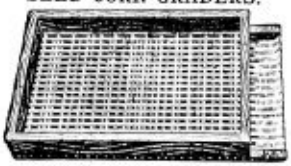
The upper tray is perforated to receive moisture.

Two rules for locating sample and ear.

Six by twenty-seven inches is the floor space needed and when filled, ready for the test, can be readily transported as a suitcase.

The filling can be done in crib or granary and the racks of ears left in position there to await the examination to follow three or four days later. Instructions furnished with each tester.

SEED CORN GRADERS.



No. 2—Perfection, double screen, corrugated, beveled aperatures, three kinds of holes in the lower screen, retains corn on lower screen until separation is complete, size 11x19 in. capacity 6 to 10 bushels per hour, w't per doz. 50 lbs. .....per dozen **J I F J** $18.00

Every farmer now knows his seed corn should be graded. No planter will drop right with ungraded seed.

Graded seed insures perfect dropping, stronger plants and increases the yield 5 to 15 bushels per acre. This has been proved over and over by the Experiment Stations and by thousands of farmers.

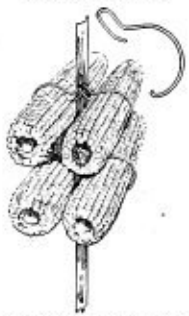
Good Reasons Why You Should Buy PERFECION "4 GRADE"

The Perfection has a special lower screen construction that sorts out the THIN wafer-like kernels as well as the ROUND and NARROW ones.

Both screens are corrugated giving every aperture an incline, which is absolutely essential for rapid and perfect work.

It has a guard on lower screen which prevents spilling the corn while grading, permitting action of entire screen on corn at once, thereby making easy and rapid work.

RACK HOOKS.



No. 11—Brown's Economy, iron hanging strips to suspend from rafters with strong grab hooks which securely grip the ears, packed 250 in a box, four boxes in a carton, strips sufficient for hanging 1,000 ears to the carton.....per thousand **C C J** $5.50

Brown's seed corn drying devices make it practical and possible for every farmer to give his seed the best possible chance to become perfect. The ears can be hung in the least possible space, and since no two ears touch, good circulation will dry the kernels quickly and evenly. Farmers throughout the country are finding a 25% gain in results by the use of these dryers.

★*FOR FACTORY SHIPMENT ONLY.*

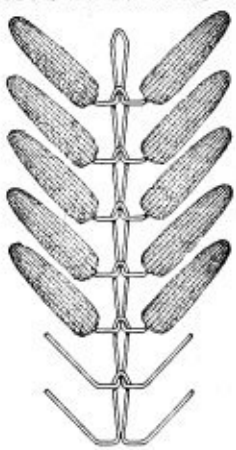
CORN DRYING RACKS.



No. 1—Brown's Perfect, double hardwood rack, 5x32 in., ⅜ in. thick, with 24 No. 13 galvanized hard wire holders, holding twelve ears of corn on each side, twelve tags lettered from A to L, for identifying racks furnished with each set, each set consisting of twelve racks, w't per set 30 lbs. .....per set **A B J** $2.00

SHIPPED KNOCKED DOWN, TWELVE DOZEN RACK IN A CRATE, 288 WIRES (ENOUGH FOR ONE DOZEN RACKS) IN A PASTEBOARD BOX.

CRUSO SEED CORN DRYERS.



No. 3—**CRUSO,** galvanized wire, packed in 8½x8½x6 in. cartons, 150 sections or dryers, which will hold 300 ears of corn, or enough to plant 20 acres, w't 9 lbs.....per carton **A G J** $2.80

Every section or dryer holds two ears, sections can be added either at top or bottom, no tipping or touching ears. Perfect air circulation. Sections lock and force ears to hang straight. No trouble to join—a boy can assemble them. Can be made any length to fit any space.

These cartons occupy a minimum space and are very convenient for handling and shipping.

SEED SOWERS AND CORN SHELLERS.

SEED SOWERS.



REVONOC

No. 14 REVONOC—Heavy duck hopper, ball bearing, 27 gauge iron fan wings riveted to solid cast base, malleable iron fly wheel and crank, w't per doz. 65 lbs.....per dozen **ADDJ** $24.00

Will sow wheat, rye, oats, rice, flax, millet, turnip seed, clover seed, grass seed, in fact all kinds of seed, broadcast, also plaster, fertilizer, salt, ashes, etc.

ONE IN A BOX, ONE-QUARTER DOZEN IN A CRATE.



No. 12—Cruso, heavy duck hopper, capacity half bushel, heavy sheet steel feed plate and agitating device, with spring steel adjustments, w't per doz. 50 lbs.....per dozen **AJHJ** $20.00

Simple, strong and practical. Especially recommended for grass seed.

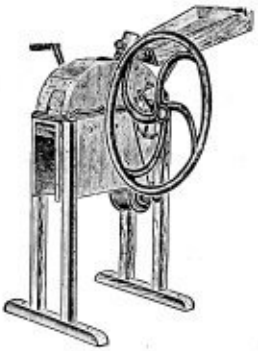
ONE IN A BOX; ONE DOZEN IN A CRATE.



No. 10—Lightning, large canvas bag, with straps to go over shoulders, tin tube in three sections, of a graduating diam., length 22 in., the larger end fits into a stub joint which is securely fastened to the bag and in which is a gauge to regulate the quantity of seed sown to a certain area, w't per doz. 9 lbs. ....per dozen **EAJ** $7.50

Will sow sixty acres of clover, timothy, millet, etc., per day, spreading the seed evenly from 30 to 40 feet. The wind has no chance to blow seed into bunches before it strikes the ground.

CORN SHELLERS.



REVONOC

Hardwood Frame, Body and Legs Painted Vermilion, Striped in Black and Varnished. All Iron Parts Painted Black. Heavy Balance Wheel, Light Running Gears and Easily Adjustable Spring to Receive and Shell Any Size Ear of Corn. All Parts Strong and Durable, 21 in Fly Wheel, Height 3½ ft., Length 2 ft., Width, 12 in.

No. 5 REVONOC—Without fan or feed table, w't each 138 lbs., each .....**JFJJ** $10.00

No. 5-T REVONOC—Without fan, with feed table, w't each 145 lbs., each .....**JFFJ** $11.00

No. 5-F REVONOC—With fan, without feed table, w't each 143 lbs., each .....**JFFJ** $11.00

No. 5-FT REVONOC—With fan and feed table, w't each 150 lbs., each .....**JGBJ** $12.00

ONE IN A CRATE, PART KNOCKED DOWN.

No. 5-P—Pulley Attachment, diam. 8 in., 2 in. face, for running REVONOC Sheller with 1 or 1½ h. p. engine, takes 2 in. belt., w't each 5 lbs., each★ .....**JFJ** $1.00

The REVONOC shells perfectly clean, does not break the cob, nor throw out corn with the cob. Has hand wheel for regulating springs and cast iron frame for all bores. It can be used with light power by replacing crank with pulley.

PACKED LOOSE.

★*FOR FACTORY SHIPMENT ONLY.*

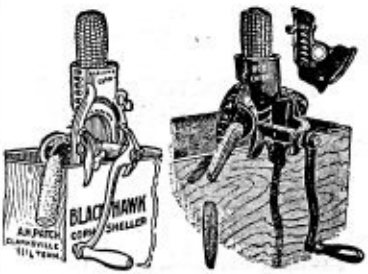
CORN SHELLERS.



No. 100—Cruso, 10 in. sheller disc or wheel with projecting teeth, spring hopper, adjustable for different sizes of ears, malleable iron frame, disc, crank, etc., heavy steel hopper spring, long axle bearing and hook, 7 in. crank with wood grip, w't per doz. 150 lbs. ....per dozen **JGBJ** $16.00

The tension of the hopper spring allows the hopper to expand and contract according to the size of the car. At the outlet of the hopper a flange holds the car close to the shelling disc or wheel, thus assuring a thorough shelling of the car.

ONE-HALF DOZEN IN A CRATE.



No. 1903. No. 120.

No. 1903—Black Hawk, 8¼ in. sheller wheel or disc, with spur teeth, long chilled iron bearings, adjustable hopper spring, sure regulating device, will shell all sizes of ears, fastens to side of box or bin by means of two clamps with winged nuts, w't per doz. 228 lbs., per dozen **AIBJ** $40.00

ONE-HALF DOZEN IN A BARREL.

No. 120—Red Chief, 7¼ in. sheller wheel or disc, with projecting teeth, malleable iron frame and hopper, 9½ in. crank, with wood grip, cold rolled steel axle with long bearing, hopper is adjustable to any size ear, fastens to side of box or bin by means of two clamps, w't per doz. 138 lbs., per dozen .....**AEAJ** $40.00

ONE-HALF DOZEN IN A CRATE.

POTATO AND CORN PLANTERS AND BONE CUTTERS.

CORN PLANTERS.



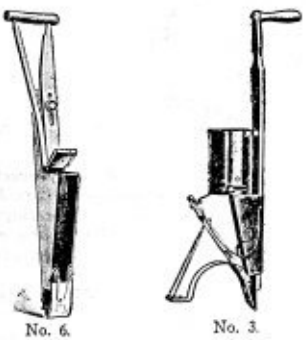
Nos. 1 and 2. No. 5.

Wood Frame, Steel Jaws, Heavy Tin Hopper and Conveying Tube, Wood Grips Securely Bolted, Height 34 in.

No. 1—CRUSO, Without Pump Air Seed attachment, w't per doz. 63 lbs., per dozen .....**JFIJ** $12.00

No. 2—CRUSO, With pumpkin seed attachment ....per dozen **AJBJ** $18.00

No. 5—Eclipse Rotary, all steel frame, varnished, wedge point, spring on side to throw handles apart, 4 iron discs for different feeds, one for broom corn and the others for corn, with perforations in each to drop 1, 2 and 3 grains each according to the number of holes, sheet steel hopper, height 34 in., w't per doz. 116 lbs., per doz. **JIJJ** $16.00



No. 6. No. 3.

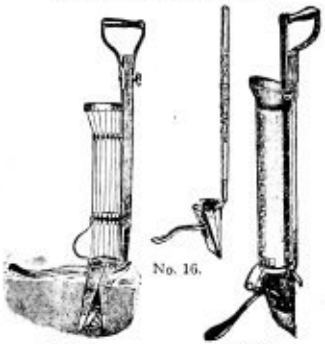
No. 6—Monitor, heavy wood frame sheet steel hopper, with heavy iron plunger tongue, adjustable for all sizes of corn or beans, plunger parts of heavy iron, height 30 in., w't per doz. 60 lbs., per dozen .....**JIFJ** $16.00

No. 3—American Standard, automatic, hardwood frame, heavy steel jaws, large sheet steel hopper, adjustable drop disc, brass spring cut-off, height 32 in., w't per doz. 80 lbs., per dozen .....**AHJJ** $40.00

Any number and all sizes of kernels can be used with the No. 3 planter.

ONE-HALF DOZEN IN A CRATE.

POTATO PLANTERS.



No. 17. No. 16. No. 18.

No. 16—Pingree, spring steel self-locking jaws, adjustable malleable iron, depth gauge and socket, hard maple handle, height 42 in., w't per doz. 36 lbs .....per dozen **JFEJ** $10.50

No. 18—Acme Tubular, spring steel self-locking jaws, with foot rest on both sides, comfortable wood handhold, galvanized steel conveying tube fastened to the stick handle, which is of hard wood, height 36 in., w't per doz. 72 lbs. ....per dozen **ADDJ** $18.00

No. 17—Invincible, all steel, adjustable handle, double leaf non-breakable spring, w't per doz. 70 lbs., per dozen .....**ACBJ** $22.00

NO. 16, ONE DOZEN; NFS. 17 AND 18, ONE-HALF DOZEN IN A CRATE.

GREEN BONE CUTTERS.

Cast iron frame, cylinder and balance or fly wheel painted black, automatic feed controlled by regulating screw, heavy crucible steel blades fitted to cutter by set screws, and can easily be removed for regrinding, fitted with knife holder and gauge for use in sharpening knives.



No. 5-C. No. 5-BM.

Cylinder 6 in. in Diam., 4 in. Deep, 13½ in. Crank, Cutter Head 7½ in. in Diam., Four Knives, Height from Table 18 in., Screw to Table.

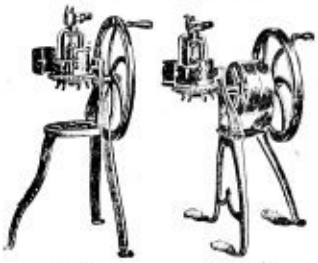
No. 5-C—W't 35 lbs. ...each **FIJ** $7.50

No. 5-B—With balance wheel, w't 60 lbs., each .....**JICJ** $10.00

No. 5-BM—With stand and balance wheel, w't 85 lbs. ..each **AAAJ** $15.00

This model is intended for flock of 15 to 25 hens and will do excellent work.

GREEN BONE CUTTERS.



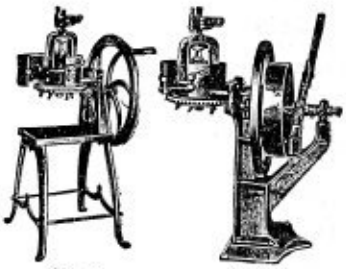
No. 7. No. 7½.

No. 7—Cylinder 7¼ in. in diam., 5¼ in. deep, strong iron stand with large table for box or pan, large open-hinged cylinder, heavy balance wheel with wood hand grip, gear guard, anti-clog device, 6 knives, w't 107 lbs., each .....**ABIJ** $25.50

No. 7½—Semi-Power, anti-clog open cylinder, same size as No. 7, special feed, tight and loose pulley, speed of pulley 300 revolutions per minute, horse power required ½ to 1, w't 150 lbs., each★ .....each **AFCJ** $33.00

No. 7½ is adapted to run either by hand or by power without changing any part.

Intended for flocks of 40 to 100 hens, can also be used for flocks up to 200 hens, but we recommend No. 9, for flocks of more than 100.



No. 9. No. 12.

No. 9—Cylinder 9 in. in diam., 6 in. deep, square topped iron stand for box or pan, cross braced with 2 rods, open-hinged cylinder, heavy balance wheel with wood hand grip, gear guard, anti-clog device, 6 knives, w't 170 lbs. .....each **AIHJ** $27.60

The No. 9 is adapted to flocks of 100 to 300 hens, the cylinder being larger gives greater holding capacity.

No. 12—Power, diam. of cylinder 9 in., diam. of pulley 16 in., 3½ in. face, speed of pulley 300 to 350 revolutions per minute, open cylinder, automatic governing feed, anti-clog device and ample space for large box to catch the product, horse power required 1 to 2, w't 260 lbs.★ .....each **CJFJ** $60.00

This machine, on account of its strength, capacity, simplicity, economy and convenience is recommended for market men, extensive breeders or anyone who has large quantities of bone to cut. An important device is the crab clutch by which the machine can be started and stopped instantly.

★FOR FACTORY SHIPMENT ONLY, MILFORD, MASS.

GRIST MILLS, BONE CUTTERS, ETC.

GRIST.



No. 36 [illegible]—Has patented burrs made of hard and tough metal, self-sharpening, grinds any small dry grain, pulverizes coffee, rice, corn meal, etc., grinds chicken feed, granulates coffee and cracks peas perfectly, fine for dry bone and shells, capacity 2 to 4 bushels per hour, w't 35 lbs., per dozen .....**DHJ J** $80.00

Hopper is supplied with a feed gauge which enables operator when grinding very fine corn meal or graham flour to let the grain in slowly so as to be able to turn easily and pulverize perfectly.



RED CHIEF.

No. 14—Red Chief, equipped with extra hardened burrs which are self-sharpening, and with hooks on which to hang a bucket, clamps or bolts to box, w't per doz. 180 lbs., per dozen .....**BEBJ** $48.00

This is an excellent mill and an ideal one for cracking grain of any kind for poultry and stock. Will make best corn meal and finest graham flour. Can be used with good results either with or without the revolving burr and can be cleaned and adjusted in a moment's time without the use of a wrench. Combines all the elements of rapid work and perfect grinding and requires little power.

GRIST MILLS.



No. 10—Black Hawk, 11 in. malleable iron crank, chilled bearings, hardened metal grinding burrs, all parts interchangeable, 5x6½ in. hopper, base bolts to table or bench, w't per doz. 204 lbs. .....per dozen **CJJJ** $60.00

Will grind corn, wheat, rye, rice and other small grain. Easily adjusted for fine or coarse grinding.

ONE IN A CASE.



No. 1—Bayley, height 8 in., heavy 18 in. balance or fly wheel, with wood grip, 5½x7¼ in. hopper, cast iron, base is made with holes to bolt or screw to table, machined bearings, cold drawn steel shaft, adjustable for grinding coarse or pulverizing corn, capacity 15 lbs. per hour, of fine, and 40 lbs. coarse meal, w't per doz. 270 lbs., per dozen .....**BHHJ** $48.00

ONE IN A CASE.

DRY BONE, SHELL AND CORN MILLS.



No. 750—Height 17¼ in., base 6½x7½ in., diam. of hopper 3½ in., diam. of wheel, 19 in., capacity 1½ bu. of corn per hour, w't 60 lbs. .....each **GHJ** $8.50

Malleable iron frame, hopper and fly wheel, base screws to table or platform. A good general mill for farmers and poultrymen. Especially adapted for grinding bones (WHEN DRY ONLY), oyster and other shells, corn, roots, bark, grain, chicken feed, salt, etc.

This machine is not intended for grinding green bones, as they have to be shaved and require a special machine.

ONE IN A CRATE.

CIDER AND WINE MILLS.

WINE OR LARD PRESSES.



Varnished Hardwood Frame and Trough, Securely Bolted, Hardwood Tub, with Heavy Staves Riveted to Wrought Iron Bands, Steel Press Screw, with Cast Socket or Step, and Hand Wheel.

No. 5—Family size, height 36 in., tub 12½ in. inside diam., 12 in. high, w't each 70 lbs. .....each **DEJ** $7.50

No. 6—Junior size, height 38 in., tub 11 in. inside diam., 10 in. high, w't each 85 lbs.★ .....each **JFEJ** $10.00

No. 7—Medium size, height 42 in., tub 12½ in. inside diam., 12 in. high, w't each 100 lbs.★ .....each **JHFE** $13.35

No. 8—Senior size, height 48 in., tub 15 in. inside diam., 14 in. high, w't each 200 lbs.★ .....each **AJHJ** $17.75

Galvanized Iron Tubs, Consisting of Inner and Outer Shell, For Use in Converting the Above into Lard Presses.

No. 6T—For Junior Press, 10 in. inside diam., 10 in. high, w't each 6½ lbs., each★ .....**BAE** $2.80

No. 7T—For Medium Press, 12½ in. inside diam., 12 in. high, w't each 8½ lbs.★ .....each **BEJ** $3.35

No. 8T—For Senior Press, 14½ in. inside diam., 14 in. high, w't each 11 lbs.★ .....each **BIJ** $3.90

CIDER MILLS.

General Description.

Varnished hardwood frame, securely bolted, removable hopper and lever, cast iron yoke, balance wheel and journals; steel press screw with cast iron socket and top wheel with hand grips; steel shaft; cast iron roll casing with one plain and two corrugated adjustable rolls; triple geared; cast iron crank with wood grip; two plain hardwood tubs with heavy staves riveted to wrought iron bands; hardwood trough, neatly painted, striped and varnished.



Capacity Two to Four Barrels of Cider Per Day.

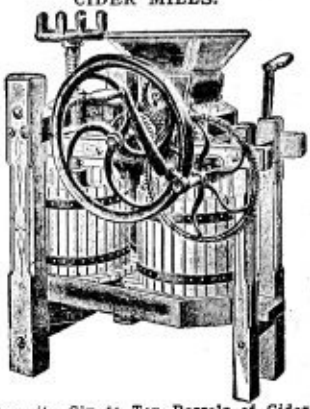
No. 1—Junior, 43 in. high, 12½x28½ in., trough, 10½ in. tub, 1⅞x18½ in. press screw, 29 in. lever, 13x14 in. hopper, floor space required 20x34 in., w't 190 lbs. .....each **AAAJ** $18.00



Capacity Three to Six Barrels of Cider Per Day.

No. 2—Medium, 49 in. high, 14½x29½ in. trough, 12 in. tubs, 1½x20½ in. press screw, 30 in. lever, 14x14 in. hopper, floor space required 22x35 in., w't 238 lbs. .....**ADGJ** $24.00

CIDER MILLS.



Capacity Six to Ten Barrels of Cider Per Day.

No. 3—Senior, 48 in. high, 19½x40¼ in. trough, 15½ in. tubs, 2x22 in. press screw, 40 in. lever, 13x15 in. hopper, floor space required 29x45 in., w't 420 lbs. .....each **BJAJ** $30.00

CIDER OR WINE MILLS.

Capacity About One Barrel of Cider Per Day.



No. 4—Family, 42 in. high, cast iron hopper 10x7½ in., studded revolving disc 7¾ in. in diam. and roll casing, 16 in. cast iron fly wheel, hardwood frame securely bolted, heavy hardwood tub with staves bolted to wrought bands, ⅜ in. steel shaft, 25x1½ in. steel press screw, floor standards 2x2x10½ in., w't 110 lbs., each ..**JFCE** $10.00

This mill is not a force-feed mill, and to use for cider, apples will have to be halved or quartered and pressed down in hopper with a stick. This is intended for family use and for small lots of apples. It makes a good wine press and is suitable for any small fruits.

Capacity two or three barrels a day.



No. 4½—"Kant Klog," height 45 in., hopper opening 6x11 in., uprights 1¼x5 in., floor standards 2¼x2¾x20 in., tub 12 in. high, 13½ in. outside diameter, 1½ in. steel press screw, w't 145 lbs., each ..**JHGJ** $12.50

Grinds apples either large or small, and is the only single tub mill on the market that will accomplish this work. Not necessary to halve or quarter the apples for this mill.

★*FOR FACTORY SHIPMENT ONLY.*

HUSKING PINS AND COTS.

HUSKING PINS.



No. 2100—4⅝ in. tinned steel pin, adjustable muleskin strap, with thong fastening, can be used with glove or mitten, either right or left hand, w't per doz. ½ lb. .....per dozen **CE** $0.60

FOUR DOZEN IN A BOX.



No. 2000—4⅝ in. tinned steel pin, adjustable muleskin finger straps, three divisions, with thong fastening, can be used with glove only, either right or left hand, w't per, doz. 2-3 lb., per dozen .....**EJ** $0.80



No. P—4⅝ in. tinned steel pin, adjustable calfskin strap, with buckle, can be used with glove or mitten, either right or left hand, w't per doz. 2-3 lb., per dozen .....**JGJ** $1.20

THREE DOZEN IN A BOX.

No. K—4⅝ in. tinned steel pin, and supplementary tinned steel finger hook, with broad calfskin shield, adjustable calfskin strap, with buckle, can be used with glove or mitten, either right or left hand, w't per doz. 1¼ lbs. .....per dozen **AAJ** $1.80

No. 2400—4⅝ in. tinned steel pin, broad calfskin shield, adjustable calfskin strap, with buckle, can be used with glove or mitten, either right or left hand, w't per doz. 1 lb., per dozen .....**JIE** $1.60



No. 3000—4⅝ in. tinned steel pin, studded calfskin finger cot, adjustable calfskin finger straps, three divisions, with thong fastening, can be used with glove only, right hand only, w't per doz. 1 lb. ..per dozen **ABJ** $2.00

ONE DOZEN IN A BOX.

HUSKING PINS.



Showing No. R23 with Finger Cot.



Showing No. R23 with Finger Shield.

No. R23—Combination, round nickel plated forged steel pin, with both studded finger cot and strap for use with glove, right hand only, and heavy leather finger shield and strap for use with glove or mitten, right or left hand, extra select olive calfskin, patent brass screw fastening and brass slide, w't per doz. 2 lbs., per dozen .....**BGJ** $4.50

An attractive display card, showing use, is furnished with each dozen.



No. B—5 in. round nickel plated forged steel pin, brass slide and ferrule, fitted adjustable Saranac leather strap and buckle, either right or left hand, w't per doz. 1½ lbs., per dozen .....**BGJ** $4.50



No. E—5 in. round nickel plated forged steel pin, select calfskin finger shield and strap, patent brass screw fastening and brass slides, can be used with glove only, either right or left hand, w't per doz. 1½ lbs., per dozen .....**BDJ** $4.00

No. G—5 in. round nickel plated forged steel pin, with patent brass screw fastening and steel loop slide, can be used with glove only, either right or left hand, w't per doz. 1½ lbs., per dozen .....**BJJ** $3.50

ONE DOZEN IN A BOX.

HUSKING PINS.



No. T1—Nickel plated steel offset pin and curved finger guard in one piece, calfskin back strap, muleskin front strap, hook and eyelet fastening, can be used with glove or mitten, eleven right hand, one left hand, w't per doz. 1½ lbs. .....per dozen **AEJ** $2.50

ONE DOZEN IN A BOX.



No. 80—Universal Pattern, stamped cold rolled steel, bright finish, sliding adjustment, right hand only, w't per doz. 1 lb. ...per dozen **AAE** $1.90

No. 80LH—Left hand only, otherwise same as No. 80, per dozen **AAE** $1.90

THREE DOZEN IN A BOX.

THUMB COTS OR STALLS.



No. 2110—Studded muleskin thumb cot only, muleskin wrist strap, with buckle, either right or left hand, w't per doz. ½ lb. ..per dozen **JIJ** $1.50



No. T16—Chain Thumb Stalls, made of polished steel wire chain links, with calfskin straps, w't per doz. ½ lb., per dozen .....**BDJ** $4.00

No. T16 can be used with either glove or mitten, and either right or left hand, adjustable to fit any thumb, saves wear on mitten and prevents thumb from becoming sore.

ONE DOZEN IN A BOX.

HUSKERS, ETC.

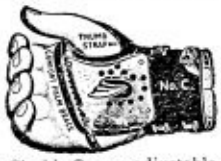
HOOK HUSKERS.



No. R59 RIVERDALE—Adjustable, select olive calfskin wrist piece and straps, muleskin palm piece under plate, nickel plated cold rolled steel palm plate and hook, adjustable to fourteen different positions, three straps and buckles, top strap reinforced, right hand only, w't per doz. 2¼ lbs., per dozen .....**CJJ** $8.00



No. AOK—Clark's adjustable, select grain leather one-piece palm and wrist, with cinch lacing strap and buckle, nickel plated cold rolled steel palm plate with five holes and corrugated so as to secure the hook in any desired position, right hand only, w't per doz. 2½ lbs., per dozen .....**CIJ** $7.00



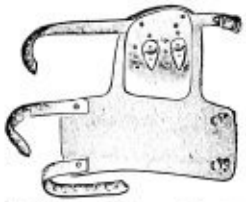
No. C—Clark's Queen, adjustable, select grain leather separate palm and wrist pieces, with cinch lacing strap and buckle, nickel plated cold rolled steel perforated and corrugated palm plate with upper edge toothed, corrugated hook adjustable by a screw to fifteen different positions, right hand only, w't per doz. 2½ lbs., per dozen .....**CIJ** $7.00



No. T06—Thomas Pattern, single hook, select calfskin wrist piece, double folding, with strap and buckle, reinforced calfskin top strap, muleskin palm piece under plate, nickel plated cold rolled steel palm plate and corrugated hook, eleven right hand, one left hand in a box, w't per doz. 2½ lbs.....per dozen **BGJ** $7.00

ONE DOZEN IN A BOX.

HOOK HUSKERS.

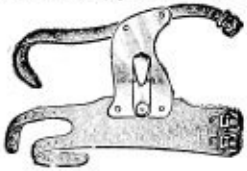


No. T3—Thomas Pattern, twin spur, adjustable, select one-piece heavy calfskin palm piece and wrist piece, three straps and buckles, top strap reinforced, nickel plated cold rolled steel perforated palm plate, two hooks, adjustable by screws to nine different positions, eleven right hand, one left hand, w't per doz. 2½ lbs., per dozen .....**DHJ** $7.00

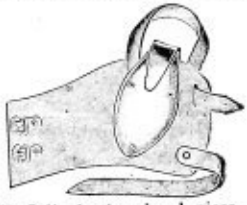


No. K2—Kees', select grain leather hand piece and straps, heavy cold rolled steel hook plate, corrugated hook, light steel shield, two straps and buckles, top straps reinforced by studding, eleven right hand, one left hand in a box, w't per doz. 2 lbs., per dozen .....**BGJ** $6.00

No. KL2—Left hand only, otherwise same as No. K2, per doz. **BGJ** $6.00



No. R1—Ramsey, adjustable, russet oil grain leather wrist piece and straps, cold rolled steel palm plate, reinforced hook adjustable to three different positions, fastened by nut, right hand only, w't per doz. 2½ lbs., per dozen .....**BGJ** $6.50



No. 64—Split leather hand piece and straps, cold rolled pressed steel hook, two straps and buckles, right hand only, w't per doz. 2 lbs., per dozen .....**ADE** $4.00

ONE DOZEN IN A BOX.

HUSKING GLOVES.



RIVERDALE

No. R7 RIVERDALE—Studded, extra select olive calfskin, closed fingers and thumb, calfskin protecting pads and tightening straps, 4⅝ in. tinned steel pin, full studded with tinned steel rivets and washers, special thumb hook, w't per doz. prs., 6½ lbs., per dozen pairs .....**JIFJ** $18.00



No. 15—Studded, brown muleskin, open fingers and thumb, with muleskin tightening strap, 4⅝ in. tinned steel pin, full studded with tinned steel rivets and washers, steel thumb hook, w't per doz. prs. 6¼ lbs., per dozen pairs .....**GBJ** $8.50

ONE-HALF DOZEN PAIRS IN A BOX.

HUSKUM.



No. 6—6 oz. bottles, w't per doz. 11 lbs., per dozen .....**BDJ** $4.50

Huskum is a compound of arnica, witch hazel, and other ingredients, effective in relieving soreness and softening and healing the skin. It will not spoil, freeze, nor deteriorate in any way. Packed in a fancy wood display box.

ONE DOZEN IN A BOX.
WE DO NOT BREAK BOXES.

WRIST SUPPORTS, GLOVES, ETC.

WRIST SUPPORTERS.



No. R02 REVONOC—Select olive calfskin, fancy stitched, goes twice around wrist, buckle fastening, w't per doz. ¾ lb .....per dozen **AGJ** $6.00

No. 2—Cruso, select mule-skin, with out stitching, otherwise same as No. R02 .....per dozen **ABJ** $1.60



No. 115—Cruso, select mule-skin, 2½ in. wide, two straps and buckles, w't per doz. ¾ lb. .....per dozen **AJJ** $1.50

No. 120 REVONOC—Select olive calfskin, 2½ in. wide, two straps and buckles, w't per doz. ¾ lb., per doz. **ABJ** $2.50

No. 130—Cruso, select mule-skin, 3¼ in. wide, three straps and buckles, w't per doz. 1 lb. .....per dozen **ABJ** $2.50

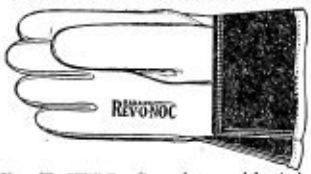
No. 135 REVONOC—Select olive calfskin, 3¼ in. wide, three straps and buckles, w't per doz. 1 lb., per doz. **AHJ** $4.25

LEATHER GLOVES AND GAUNTLETS.



No. 76 REVONOC—Gloves, selected oil-tanned hogskin palm and thumb, in-seam cut, full welted seams, fancy stitched muleskin back, 2 in. bound black band, with gusset and lacing cord, w't per doz. prs. 6 lbs., per dozen pairs .....**EDJ** $9.00

No. 71—Cruso Gloves, good quality split leather palm and thumb, in-seam cut, fancy stitched muleskin back, 2 in. black band with gusset, w't per doz. prs. 6 lbs., per doz. prs. **CJJ** $5.00

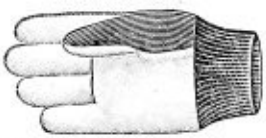


No. 77 REVONOC—Gauntlets, with 4 in. bound black cuff, with gusset, w't per doz. prs. 7 lbs., otherwise same as No. 76 REVONOC, per dozen pairs .....**JEDJ** $10.00

No. 72—Cruso Gauntlets, 4 in. black cuff, with gusset, w't per doz. prs. 7 lbs., otherwise same as No. 71 Cruso ....per dozen pairs **CJJ** $6.00

ONE DOZEN PAIRS IN A BOX.

COMBINATION JERSEY GLOVES.



No. 900—Flexo, medium brown, cotton jersey cloth back, 8 oz. white Canton flannel palm, fleece lined, knit wrist, w't per doz. prs. 1¼ lbs., per dozen pairs .....**AAJ** $2.25

ONE DOZEN PAIRS IN A BOX.

JERSEY GLOVES.



No. 971—Medium weight, brown cotton jersey cloth, fleece lined, with knit wrist, w't per doz. prs. 1¾ lbs., per dozen pairs .....**AJJ** $2.00

No. 1003—Heavy weight, brown cotton jersey cloth, fleece lined, with knit wrist, w't per doz. prs. 2 lbs., per dozen pairs .....**ABJ** $2.50

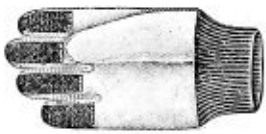
These jersey gloves are very soft and warm, fit the hand well and have a dressy appearance.

ONE DOZEN PAIRS IN A BOX.

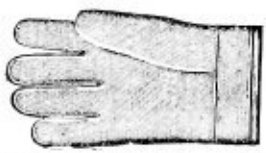
GLOVES.



No. 160—8 oz. gray husking cloth, plain, w't per doz. prs. 1¾ lbs., per dozen pairs .....**JGJ** $1.40



No. 225—8 oz. white Canton flannel, knit wrist, with leather tipped fingers and thumb, w't per doz. prs. 2¼ lbs., per dozen pairs .....**ABJ** $2.00



No. 164—8 oz. white Canton flannel, fleece in, w't per doz. prs. 1½ lbs., per dozen pairs .....**JHE** $1.50

ONE DOZEN PAIRS IN A BOX.

REVONOC PINE TAR.



Sealed Top. Cork Lined Screw Top.

Sealed Top Cans.

Nos.	10B	20B	30B
Capacity	½ pt.	1 pt.	1 qt.
W't per doz., lbs.	9	12	25
Per dozen	$1.20	1.60	2.50
	JGJ	**JIE**	**AEJ**

Nos.	40B	50B
Capacity, gal.	½	1
W't per doz., lbs.	50	100
Per dozen	$5.00	8.00
	CJJ	**DHJ**

Cork Lined, Screw Top Cans.

Nos.	010B	020B	030B
Capacity	½ pt.	1 pt.	1 qt.
W't per doz., lbs.	9	12	25
Per dozen	$1.50	2.00	3.00
	JIJ	**ABJ**	**AHJ**

ONE GROSS IN A BARREL.

GENERAL PURPOSE GLOVES AND MITTENS.

GLOVES.



No. 65—7 oz. white Canton flannel, knit wrist, fleece in, w't per doz. prs. 1¾ lbs. ...per dozen pairs **JHJ** $1.50

No. 66—8 oz. white Canton flannel, knit wrist, fleece in, w't per doz. prs. 2 lbs. .....per dozen pairs **JIJ** $1.70

No. 66B—Boys', 8 oz. white cotton flannel, knit wrist, fleece in, w't per doz. prs. 1¾ lbs., per doz. prs. **JHE** $1.70

No. 67—10 oz. white Canton flannel, knit wrist, fleece in, w't per doz. prs. 2¼ lbs. ...per dozen pairs **AJJ** $1.90

No. 68—12 oz. white Canton flannel, knit wrist, fleece in, w't per doz. prs. 2½ lbs. ....per dozen pairs **ABJ** $2.10



No. 229K—10 oz. white Canton flannel, knit wrist, full faced with brown muleskin, w't per doz. prs. 2¼ lbs., per dozen pairs .....**BGE** $4.00



No. 108—7 oz., white Canton flannel fleece in, white gauntlet cuff, w't per doz. prs. 2¼ lbs., per dozen pairs .....**AJJ** $1.70

No. 110—9 oz. white Canton flannel, fleece in, with heavy white duck gauntlet cuff, w't per doz. prs. 2½ lbs., per dozen pairs .....**ABJ** $2.50



No. 229G—10 oz. white Canton flannel, full faced with brown muleskin, white duck stiff gauntlet cuff, w't per doz. prs. 3 lbs., per dozen prs. **BGE** $4.00

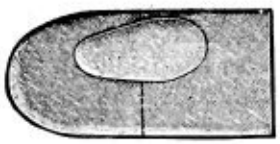
ONE DOZEN PAIRS IN A BOX.

MITTENS.



No. 750—7 oz. white Canton flannel, fleece out, w't per doz. prs. 1¼ lbs., per dozen pairs .....**JFJ** $1.00

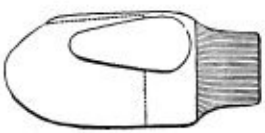
No. 16—8 oz. white Canton flannel, fleece out, w't per doz. prs. 1½ lbs., per dozen pairs .....**JGJ** $1.15



No. 16½—7 oz. white Canton flannel, with double palm and thumb, fleece out, w't per doz. prs. 1½ lbs., per dozen pairs .....**JHE** $1.35

No. 17—8 oz. white Canton flannel, with double palm and thumb, fleece out, w't per doz. prs. 1¾ lbs., per dozen pairs .....**JIE** $1.50

No. 3²—Boys', 8 oz. with double palm and thumb, fleece out, w't per doz. prs. 1½ lbs., per doz. prs. **JIE** $1.40



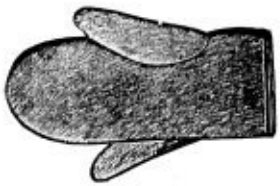
No. 720—7 oz. white Canton flannel, with double palm and thumb, fleece out, knit wrist, w't per doz. prs. 1¼ lbs., per dozen pairs .....**JIJ** $1.70

No. 722—8 oz. white Canton flannel, with double palm and thumb, fleece out, knit wrist, w't per doz. prs. 1½ lbs. ...per dozen pairs **JIE** $1.80

No. 724—10 oz. white Canton flannel, with double palm and thumb, fleece out, knit wrist, w't per doz. prs. 1¾ lbs. ....per dozen pairs **AAE** $2.00

ONE DOZEN PAIRS IN A BOX.

MITTENS.



No. 44—8 oz. white Canton flannel, reversible two thumb, fleece out, w't per doz. prs. 2 lbs., per dozen pairs .....**JIJ** $1.40

No. 45—10 oz. white Canton flannel, reversible two thumb, fleece out, w't per doz. prs. 2¼ lbs., per dozen pairs .....**AAJ** $1.70

No. 46—7 oz. white Canton flannel, reversible, double faced both sides, two double faced thumbs, fleece out, w't per doz. prs. 2¼ lbs., per dozen pairs .....**AJJ** $2.10



No. 59—Fancy striped heavy tick, Canton flannel lined, quilted and padded, extra heavy, knit wrist, w't per doz. prs. 3 lbs., per dozen prs. **AGJ** $3.00

No. 58A—Fancy striped medium tick, Canton flannel lined, quilted and padded, knit wrist, w't per doz. prs. 2½ lbs. ..per dozen pairs **ABJ** $2.25



No. 268—Fancy striped, extra heavy tick, full faced with brown muleskin, Canton flannel lined, quilted and padded, knit wrist, w't per doz. prs. 3½ lbs. ...per dozen pairs **BGJ** $5.00



No. 1009—Medium weight brown cotton jersey cloth, fleece lined, knit wrist, w't per doz. prs. 1¾ lbs., per dozen pairs .....**JIE** $2.00

ONE DOZEN PAIRS IN A BOX.

SHEEP SHEARS, CROOKS AND DEHORNERS.

SHEEP SHEARS.



Hand Forged from High Carbon Cutlery Tool Steel, Full Polished, Double Bow, One Blade Etched, Straight Swaged Blades.

No. 10 —		
Blades, inches	5½	6
W't per doz., lbs.	9	10
Per dozen	$14.50	15.00
	JHCE	JHFE

No. 10 —		
Blades, inches	6½	7
W't per doz., lbs.	11	12
Per dozen	$15.50	16.00
	JHIJ	JIBJ

Bent Swaged Blades.

No. 10-B —		
Blades, inches	5½	6
W't per doz., lbs.	9⅛	10½
Per dozen	$14.50	15.00
	JHCE	JHFE

ONE-HALF DOZEN IN A BOX.



Hand Forged from High Carbon Cutlery Tool Steel, Full Polished, Straight Back and Edge, Double Bow, One Blade Etched.

Straight Swaged Narrow Blades.

No. 12 —		
Blades, inches	5½	6
W't per doz., lbs.	9	9½
Per dozen	$14.50	15.00
	JHCE	JHFE

No. 12 —		
Blades, inches	6½	7
W't per doz., lbs.	10½	11½
Per dozen	$15.50	16.00
	JHIJ	JIBJ

Bent Swaged Narrow Blades.

No. 12-B —		
Blades, inches	5½	6
W't per doz., lbs.	9	9½
Per dozen	$14.50	15.00
	JHCE	JHFE

ONE-HALF DOZEN IN A BOX.



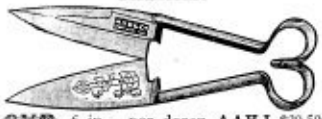
Etched "NEWTON True Vermonter," Hand Forged from High Carbon Cutlery Tool Steel, Full Polished Bent Swaged Blades.

No. 27 NEWTON—		
Blades, inches	4½	5
W't per doz., lbs.	7½	8
Per dozen	$13.00	13.50
	JGEJ	JGGE

No. 27 NEWTON—		
Blades, inches	5½	6
W't per doz., lbs.	8½	9
Per dozen	$14.00	14.50
	JHJE	JHCE

ONE-HALF DOZEN IN A BOX.

SPECIAL SHEEP SHEARS.



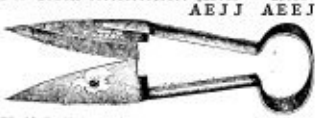
—6 in....per dozen **AAHJ** $20.50
—6½ in..per dozen **ABJE** 21.00
—7 in....per dozen **ABFE** 22.00

The cutting edge of this shear is made of High Speed Alloy Steel electrically welded to a soft grade. This cutting edge will take and hold a very much higher temper and will do very much more work than the very best shears made of High Carbon Steel.



TUS—Combination, Extra Fine Steel, Polished, Straight Swaged Blades, Double Bow.

No. 71—Blades, inches.	6½	7
W't per doz., lbs.	11½	12
Per dozen	$25.00	25.50
	AEJJ	AEEJ



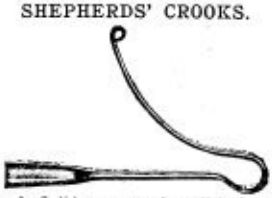
Half Polished, Bent Blades, Black Bow.

No. 020 Cruso—		
Blades, inches	4½	5
W't per doz., lbs.	8	8½
Per dozen	$10.00	10.50
	JEDE	JEGE

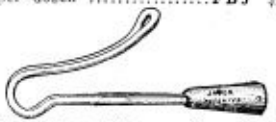
No. 020 Cruso—		
Blades, inches	5½	6
W't per doz., lbs.	9	10
Per dozen	$11.00	11.50
	JFJE	JFCJ

ONE-HALF DOZEN IN A BOX.

SHEPHERDS' CROOKS.



No. 3—Solid cast steel, polished, with 7½ in. hook, ⅝ in. wide, length 11 in., w't per doz. 9 lbs., per dozen .....**FBJ** $9.00



No. 4—Jaxon, oil tempered round steel, heavily coated with black tin, with 7¼ in. hook, width at base ½ in., at end ⅞ in., length 11 in., w't per doz. 8½ lbs.....per dozen **CGE** $6.50

The Jaxon has no sharp edges, making it simply impossible to cut a sheep's leg.

LOOSE.

CATTLE DEHORNERS.



NEWTON & McGEE'S, Fine Steel Blade, Malleable Iron Handles, Sliding or Draw Cut.

No. 1—2 in. opening, length 28 in., for calves only, w't per doz. 60 lbs., per dozen .....**DJJJ** $48.00
No. 2—3½ in. opening, length 40 in., w't per doz. 150 lbs., per dozen .....**FCEJ** $96.00



No. 23—Eagle, V shaped steel blades, for any size horns, iron frame, hickory handles, length 38 in., w't per doz. 160 lbs. .....per dozen **FDHJ** $72.00

The V shaped blades hold the horn rigidly in position, avoiding all tendency to twist while cutting in four directions at once. The blades in the improved pattern cannot interlock nor cut each other.



No. 13—Leavitt's, V-shaped steel blades, for any size horns, iron frame and handles, length 38 in., w't per doz. 174 lbs., per doz. **JEDJJ** $13.00

The V-shaped blades hold the horn rigidly in position, avoiding all tendency to twist while cutting in four directions at once. The blades in the improved pattern cannot interlock nor cut each other.

LOOSE.

DEHORNER BLADES.



No. 13-B—Extra blades for No. 13—Leavitt's Dehorners, w't per doz. sets 18 lbs., per dozen sets.... ....**AAJE** $21.00

LOOSE.

OX BALLS.

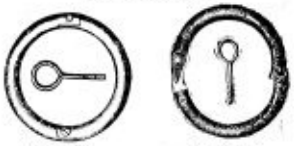


No. 299—Brass, medium ¾ in., w't per gro. 6 lbs., per gro. **EAJ** $9.00
No. 301—Brass, large, ⅞ in., w't per gro. 8 lbs., per gross **JEEJ** $11.00

ONE-HALF GROSS IN A BOX.

BULL RINGS. CATTLE LEADERS AND CALF WEANERS.

BULL RINGS.



80 to 92. 41 to 142.

No. 80—2 in. copper, w't per doz. 1½ lbs. .....per dozen **ACJ** $3.75
No. 81—2½ in. copper, w't per doz. 2 lbs. .....per dozen **AGE** $4.00
No. 82—3 in. copper, w't per doz. 3 lbs., per dzoen .....**BJJ** $4.50
No. 11—2¼ in. steel, w't per doz. 2 lbs., per dozen .....**ABJ** $3.00
No. 12—3 in. steel, w't per doz. 2½ lbs., per dozen .....**ABJ** $3.50
No. 91—Extra heavy ⅜x2½ in. copper, w't per doz. 2½ lbs., per dozen .....**BDJ** $4.00
No. 92—Extra heavy ⅜x3 in. copper, w't per doz. 3¼ lbs., per dozen .....**BGJ** $4.50

No. 141—Extra heavy ⅜x2½ in. self-piercing, copper, w't per doz. 2½ lbs., per dozen .....**BEJ** $4.20
No. 142—Extra heavy ⅜x3 in. self-piercing, copper, w't per doz. 3 lbs., per dozen .....**BHJ** $4.70
The sizes given are the outside diameter.

ONE DOZEN IN A BOX.

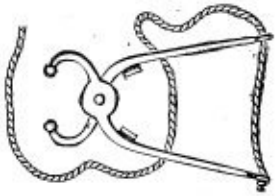
CATTLE LEADERS.



Malleable Iron.

No. 1—Small size, 2 in., w't per doz. 4¼ lbs. .....per dozen **JGJ** $1.80
No. 2—Large size, 3 in., w't per doz. 5½ lbs. .....per dozen **JIJ** $2.20

TWO DOZEN IN A BOX.



No. 3—Malleable iron, japanned, length 8½ in., without rope, w't per doz. 14 lbs. .....per dozen **CJJ** $7.20

The jaws are inserted into the animal's nose and a half hitch taken in rope around the levers, making a grip so firm that the more the animal pulls and tries to get away the more securely it is held.

ONE DOZEN IN A BOX.

OX BOW PINS.



No. 72—Japanned malleable iron, steel spring, w't per doz. 3½ lbs., per dozen .....**JGE** $1.25



No. 82—Steel spring, w't per doz. 1¼ lbs. .....per dozen **JGE** $1.25

TWO DOZEN IN A BOX.

CALF WEANERS.



BURGE, Heavy Pressed XXX Tin, with Wire Arch to Prevent Weaner from Falling Over.

No. 43—For cows, w't per doz. 2¼ lbs., per dozen.....**AHJ** $3.00

Adjusted by a spring slide, can be instantly put on or taken off and will not interfere with animal while feeding.



"KANT SUK," Tinned Malleable Iron.

No. 11—For calves, w't per doz. 3½ lbs., per dozen.....**BEJ** $4.25
No 12—For cows, w't per doz. 5 lbs., per dozen.....**BIJ** $5.00

"Kant Suk" Calf Weaners are absolutely safe, cannot injure the cow or do injury to the calf wearing it. Permits calf to graze, eat or drink, still effectually prevents sucking of cow.

Can be used for tying or leading calves, also cows.

ONE DOZEN IN A BOX.



FULLER'S, Tinned Without Bit.

No. 01—For calves, w't per doz. 2 lbs., per dozen.....**BAJ** $2.70
No. 02—For yearlings, w't per doz 2¼ lbs. .....per dozen **BDJ** $3.40
No. 03—For cows, w't per doz. 4 lbs., per dozen.....**CCJ** $4.50

NO. 03, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A BOX.

CALF WEANERS.



DIAMOND PRONG, Heavy Tinned Wire, Web Halter.

No. 21—For calves, w't per doz. 17 lbs., per dozen.....**CCJ** $8.00
No. 22—For yearlings, w't per doz. 19 lbs. .....per dozen **CFJ** $9.00
No. 23—For cows, w't per doz. 22 lbs., per dozen .....**JDEJ** $11.00



Shaw's Patent, Carroll, Tinned Wire Muzzle, Leather Halter.

No. 1—For calves, w't per doz. 12 lbs., per dozen .....**CCJ** $8.00
No. 2—For yearling, w't per doz. 15 lbs., 15 lbs.....**CGJ** $9.00
No. 3—For cows or horses, w't per doz. 19 lbs. .....per dozen **JEAJ** $11.00

NOS. 1 AND 2, ONE DOZEN, NO. 3, ONE-HALF DOZEN IN A CARTON.



No. 7—Hoosier, weaner and halter combined, tinned wire weaner, leather halter for calves, w't per doz. 15 lbs., per dozen.....**JDEJ** $10.00
No. 6—Hoosier, for yearlings, or range —otherwise same as No. 7, w't per doz. 17 lbs.....per dozen **JEGJ** $12.50

ONE DOZEN IN A BOX.

CALF AND COLT WEANERS.



Improved Perfection, Heavy Galvanized Sheet Steel, Properly Shaped and Punched, Complete with Extra Heavy Web Halter.

No. 51—For calves, w't per doz. 9 lbs., per doz. .....**DHJ** $8.00
No. 52—For yearlings or colts, w't per doz. 9 lbs. .....per dozen **DHJ** $8.00
No. 53—For Cows, w't per doz. 12 lbs., per dozen .....**EDJ** $9.00

COLT WEANERS, ANIMAL POKES, PICKET PINS, ETC.

COLT WEANERS.



Weaner and Halter Combined.

No. 10—1 in. harness leather, XC plate trim .....per dozen **JFHE** $12.50

LOOSE.



No. H30—Galvanized steel, snaps to attach to halters—halters not included—w't per doz. 7 lbs., per dozen **CJJ** $5.00

LOOSE.

PICKET PINS.



Malleable Iron, Fluted.

No. 1—15 in., w't per doz. 12 lbs., per dozen .....**AEJ** $2.00

No. 2—21 in., w't per doz. 14 lbs., per dozen .....**BAJ** $2.50



No. 3—Spiral, wrought iron, length 12 in., with malleable swivel, w't per doz. 14 lbs. .....per dozen **BAE** $3.00



No. 4—Round, wrought iron, ⅞x21 in., with malleable swivel, w't per doz. 20¼ lbs. .....per dozen **BJJ** $4.00

LOOSE.

ANIMAL POKES.



CRACKER JACK, ⅞ in. Flat Steel, Riveted, with Spur, Adjustable.

Nos.	31	32	33
Size, in. .....9 to 12	13 to 16	17 to 20	
W't doz., lbs.	24	32	39
Per dozen	$10.50	12.50	16.00
	JDHJ	**JEJE**	**JFJJ**

Can be used with equal success on mules and colts.



No. 132—Cow Boy, with Rowel wheel, adjustable, 13 to 16 in., flat steel, riveted, japanned, w't per doz. 31 lbs., per dozen ..... **JBFE** $11.00

On above pokes the spur pricks the animal in the neck when attempting to go through or over the fence. They are constructed and shaped in such a manner that they do not interfere with the animal while feeding, drinking or lying down.

ONE-HALF DOZEN IN A BUNDLE.

ANIMAL POKES.



No. 7—Horse, wood bow, varnished, w't per doz. 45 lbs., per dozen **CIJ** $5.75

ONE-HALF DOZEN IN A BUNDLE.



No. 41—Sunbury Pattern, with snap, ash or white oak, steel band over top, w't per doz. 45 lbs., per dozen .....**EAJ** $9.00

The steel band over the top prevents the wood from breaking or slivering at that point.

ONE-QUARTER DOZEN IN A BUNDLE.

HORSE MUZZLES.



No. 11—17 gauge wire, japanned, w't per doz. 2½ lbs., per dozen **CF** $0.60

No. 12—16 gauge wire, japanned, w't per doz. 2½ lbs., per doz. **JEJ** $1.00

No. 13—16 gauge wire, galvanized, w't per doz. 3 lbs., per dozen **JFJ** $1.25

No. 14—15 gauge wire, galvanized, w't per doz. 4 lbs., per dozen **JHE** $1.50

No. 15—13 gauge wire, galvanized, w't Per doz. 6½ lbs., per doz. **AAJ** $2.00

ONE-HALF GROSS IN A BUNDLE.

"LOCK RIB."





Showing Construction.

No. 1—No-Rust, sherardized, strongest and most durable muzzle made, extra heavy wire around top gives great strength, square ears for attaching straps for holding in place, per dozen .....**ABJ** $2.00

No. 2—Copper, otherwise same as No. 1, per dozen .....**AAE** $1.50

ONE-HALF GROSS IN A BUNDLE.

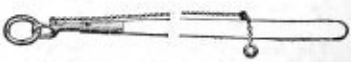
ANIMAL PRODS.



No. 1—6½ ft., with ferrule and steel point, w't per doz. 29 lbs., per dozen .....**CJJ** $4.00

LOOSE.

BULL SNAPS.



No. 500—C plate, spring snap, 3 ft. of tinned chain with ring at end, 3 screw eyes, without handle, w't per doz. 9½ lbs. .....per dozen **JCJJ** $10.00

RINGS, RINGERS, TAMERS, ETC.

HILL'S RINGS.



No. 1—Pig, 100 in a box, per dozen boxes ..... **JEJ** $1.00
No. 2—Shoat, 100 in a box, per dozen boxes ..... **JEJ** $1.00
No. 3—Hog, 100 in a box, per dozen boxes ..... **JEJ** $1.00
ONE DOZEN BOXES IN A PACKAGE. AVERAGE W'T 5½ LBS.

HILL'S RINGERS.



No. 10—Improved, gray iron, black japanned handles, red jaws, w't per doz. 5½ lbs. .....per dozen **JGE** $2.00
No. 20—Improved, malleable iron, black japanned handles, red jaws, w't per doz. 6 lbs. .....per dozen **AJJ** $3.00
ONE DOZEN IN A BOX.

BLAIR'S RINGS.



No. 31—Pig, 100 in a box, per dozen boxes ..... **JFE** $1.75
No. 33—Hog, 100 in a box, per dozen boxes ..... **JFE** $1.75
ONE DOZEN BOXES IN A PACKAGE. AVERAGE W'T 5½ LBS.

BLAIR'S RINGERS.



No. 30—Will close any single ring made, either hog, shoat or pig, w't per doz. 6¼ lbs. .....per dozen **JIE** $3.25
ONE DOZEN IN A BOX.

MAJOR RINGS.



No. 51—Pig, 100 in a box, per dozen boxes ..... **JHE** $2.50
No. 53—Hog, 100 in a box, per dozen boxes ..... **JHE** $2.50
Major rings close outside the nose, and the projection prevents the joint from turning in and irritating the flesh.
ONE DOZEN BOXES IN A PACKAGE. AVERAGE W'T 5½ LBS.

MAJOR RINGERS.



No. 50—Malleable iron, w't per doz. 5½ lbs. .....per dozen **ADE** $4.00
ONE DOZEN IN A BOX.

PERFECT RINGS.



No. 61—Pig, 100 in a box, per dozen boxes ..... **AAJ** $2.50
No. 63—Hog, 100 in a box, per dozen boxes ..... **AAJ** $2.50
ONE DOZEN BOXES IN A PACKAGE. AVERAGE W'T 6½ LBS.

PERFECT RINGERS.



No. 60—Gray iron, japanned, w't per doz. 6½ lbs. ....per dozen **ABE** $3.25
No. 160—Malleable, w't per doz. 6½ lbs., per dozen ..... **ADJ** $3.75
ONE DOZEN IN A BOX.

WOLVERINE RINGS.



No. 71—Pig, 100 in a box, per dozen boxes ..... **AGE** $6.00
No. 73—Hog, 100 in a box, per dozen boxes ..... **AGE** $6.00
ONE DOZEN BOXES IN A PACKAGE.

WOLVERINE RINGERS.



No. 70—Cast iron, w't per doz. 9½ lbs., per dozen ..... **JHJ** $3.00
ONE-HALF DOZEN IN A BOX.

CAST STOCK MARKERS.



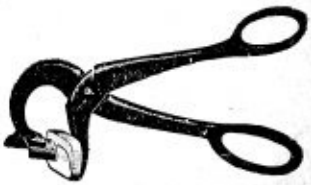
Attached to Ear with Perfect Hog Rings.

No. 65—Perfect, cast iron, raised letter, A to Z, w't per hundred 1½ lbs., per hundred ..... **JCJ** $1.00
In ordering, specify letters wanted.
ONE HUNDRED IN A BOX.

HOG TAMERS AND MARKERS.



Short's, malleable iron, japanned, reversible steel blade, 2 adjustable cutters, also circular knife, steel spring, length 10 in., w't per doz. 13 lbs., per dozen ..... **JGBJ** $15.00
Furnished with two blades. "T" blade for snout, and circular blade for ears and snout. The circular blade cuts across tip of nose with curve at each side and severing same in the middle, making two projections (about where two rings would be placed) heavy on the tips, their weight causing them to drop apart and heal quickly in that position, and leaving no loop to be torn off or hang over the nostrils. A great many marks can be made.
ONE-HALF DOZEN IN A BOX.



Miller's, malleable iron, japanned, 2 steel nose cutter blades—no ear markers—length 10½ in., w't per doz. 19 lbs. .....per dozen **JGHJ** $15.00
This instrument not only cuts the hog's snout so as to deprive it of muscular side motion as well as the front root, but severs the cartilages and cuts the extremity of the snout, and as the snout heals, after the circular cutting of the muscles of the nose in such a manner that they curl outwardly on each side of the nose and form into lumps, and by so doing, prevent the animal from rooting to side or front. Any size hog can be operated upon with this instrument.
ONE-HALF DOZEN IN A BOX.

Ear Markers for Use in Connection with Miller's Hog Tamers.

No. 25—Steel, ¼ in. triangular, per dozen ..... **BDJ** $4.50
No. 26—Steel, ⅜ in. round, per dozen ..... **BDJ** 4.50
No. 27—Steel, ½ in. square, per dozen ..... **BDJ** 4.50
ONE DOZEN IN A BOX.



Hurd's, malleable iron, 3 steel cutters, length 10 in., w't per doz. 18 lbs., per dozen ..... **EDJ** $9.50
ONE-HALF DOZEN IN A BOX.

HOG SUNDRIES AND BELLS.

HOG CATCHERS.



15 in., malleable iron, japanned, without rope or pole, w't per doz. 18 lbs., per dozen .....**EAJ** $8.00

HOG HOLDERS.



Champion, malleable iron, japanned, will hold any size hog, w't per doz. 16 lbs. .....per dozen **DEJ** $6.50



Hill's Pattern, malleable iron, w't per doz. 18 lbs. ....per dozen **BDJ** $5.00
ONE-HALF DOZEN IN A BOX.

HOG SCRAPERS.



No. 8—4 in., iron, bolt through handle, w't per doz. 8 lbs., per doz. **AJE** $2.00

No. 4—4 in., finest quality steel, bolt through handle, w't per doz. 8½ lbs., per dozen .....**AIJ** $4.00
ONE-HALF DOZEN IN A BOX.



No. 9—5 in., galvanized pressed steel, double end, w't per doz. 3½ lbs., per dozen ..**JIJ** $1.50

ONE DOZEN IN A BOX.

PIG FORCEPS.



Superior, malleable iron, heavily tin plated, length 16 in., w't per doz. 12 lbs. .....per dozen **FJJ** $9.00
ONE DOZEN IN A BOX.



For Lambs and Pigs.

Whisson's, improved, malleable iron, tinned, length 18 in., w't per doz. 20 lbs. .....per dozen **JGBJ** $12.00

ONE IN A BOX.

PIG FORCEPS.



No. 12—Sherman's, 1x14 in., ⅜ in. steel rod, handles and tongs, stamped steel body, coppered, nickel plated and polished, w't per doz. 12 lbs., per dozen .....**AJHJ** $18.00
ONE IN A BOX.



No. 120—Colson's, No. 8-14 gauge wire, nickel plated and buffed, w't per doz. 5 lbs. .....per dozen **JIJJ** $15.00
ONE IN A BOX.



No. 90—Twentieth Century, steel, nickel plated, black enameled wood handle, length extended 25 in., w't per doz. 12 lbs. .....per dozen **BAFJ** $24.00
An absolutely perfect instrument that will extract the pigs from the sows with perfect safety and without injury to the sow or young.
ONE IN A BOX.

SHEEP BELLS.



No. 8. No. 01.

No. 8—Wrought steel, copper plated, inside dimension 1⅛x1⅜ in., w't per doz. 2½ lbs.....per dozen **AJJ** $2.00
No. 01—2⅞ in. mouth, riveted to ⅝x14 in. strap, sheet steel, copper plated, w't per doz. 4¼ lbs., per dozen .....**BAE** $4.00
LOOSE.

TEAM BELLS.



Sheet Steel, Nickel Plated.

No. 2—2⅞ in. mouth, w't per doz. 2¾ lbs. .....per dozen **AFJ** $3.00
No. 3—3⅜ in. mouth, w't per doz. 3¾ lbs. .....per dozen **BJJ** $3.75
LOOSE.

COW BELLS.



Nos.	7	6	5	4
Height, in...	2¼	2½	3½	4
Width, in....	2½	3	3	3¾
W't doz., lbs.	4	5	6	9
Per dozen ...	$2.50	3.00	4.00	5.00
	JIJ	AAE	AEJ	AIJ
Nos.	**3**	**2**	**1**	**0**
Height, in...	4¾	5½	6	6½
Width, in....	4½	4½	5	5½
W't doz., lbs.	12	18	24	27
Per dozen ...	$6.00	8.00	10.00	12.00
	BCJ	CJJ	CHJ	DEE

The measure for height is without loop.



SWISS, Highest Grade Bell Metal.

Nos.	4	5
Diameter, in.	4	5
W't per doz., lbs.	12	25
Per dozen	$8.40	14.40
	GBJ	ABFJ

The weight given is approximate.
LOOSE.

TURKEY BELLS.



No. 1. No. 2.

Nickel Plated, Riveted to ½ Inch Strap, Japanned Buckle.

No. 1—1⅝ in. diam. outside measurement .....per dozen **AAJ** $2.00
No. 2—1¼ in. diam, per doz. **JHJ** 1.75
ONE DOZEN IN A PACKAGE.

COW BELL STRAPS.



Webb—Heavy 1½x42 in., russet webb, metal tipped end, leather belt safe guard, malleable buckle, per dozen .....**AEJ** $2.50
LOOSE.

BELLS.

FARM.



Steel Composition, Bronzed, Japanned Frame.

Nos.	1	2	3
Width, in.	15	17	19
Weight, lbs.	40	50	75
Each	$4.60	5.00	7.50
	ABJ	AGJ	BDJ



Steel Composition, Bronzed, Japanned Frame.

No. 4—Width 21 in., w't 100 lbs., each ..... JCCJ $10.00

No. 4 bell is furnished with two uprights for platform or belfry.

FARM BELLS.

These bells are made from an alloy termed "Silvery Steel," a metal decidedly superior to that of any other farm bell manufactured in this country. Very durable, will outwear two or three iron farm bells. They are heavily coated with gold bronze, and the mountings are the strongest made, handsomely japanned and baked. Giving a long vibrating and far-reaching tone.

SCHOOL, CHURCH AND FIRE BELLS.

The basis of composition is steel of the finest quality, combined with other metals in such proportions as to produce strength. Mountings are built on scientific lines, strictly in proportion to the weight of the bell proper, and made to last as long. The stands or uprights are firmly bolted to a strong, mortised and tennoned frame of seasoned hardwood lumber, finished in natural color or painted. All parts nicely japanned.

SCHOOL.



Steel Alloy, with Mountings, Wheel, Wood Sill.

Nos.		20	22
Diameter, in.		20	22
W't of bell, lbs.		108	124
W't complete, lbs.		160	210
Each		$16.00★	20.00★
		JGGE	JIGJ
Nos.	24	26	28
Diameter, in.	24	26	28
W't of bell, lbs.	165	227	265
W't compl. lbs.	265	345	420
Each	$25.00★	40.00★	50.00★
	ABAE	AIDE	BDCJ

All except No. 20 have springs. Tolling hammers can be furnished for Nos. 24, 26 and 28, when ordered, at $6.00 list extra.

CHURCH.



Steel Alloy with Mountings, Wheel, Wood Sill and Tolling Hammer.

Nos.	30	32	34
Diameter, in.	30	32	34
W't of bell lbs.	310	400	490
W't compl. lbs.	540	610	745
Each	$65.00★	75.00★	90.00★
	CAFJ	CFDE	DCGE
Nos.	36	38	40
Diam. in.	36	38	40
W't bell, lbs.	580	700	820
W't compl. lbs.	910	1020	1270
Each	$110.00★	125.00★	150.00★
	JECDE	JFJGE	JGBIJ
Nos.		42	44
Diameter, in.		42	44
W't of bell, lbs.		930	1070
W't complete, lbs.		1380	1585
Each		$165.00★	200.00★
		HJBJ	IGBJ
Nos.		46	48
Diameter, in.		46	48
W't of bell, lbs.		1180	1460
W't complete, lbs.		1710	2100
Each		$225.00★	250.00★
		AJICE	ABAEJ

Warranty—The manufacturers warrant these bells against breaking, with ordinary use, for five years.

FIRE.



Steel Alloy, with Side Sheaves, Clapper, Spring and Bolt. Frame is not Furnished.

Nos.	130	132	134
Diameter, in.	30	32	34
W't of bell, lbs.	310	400	490
Each	$50.00★	60.00★	70.00★
	BDCJ	BIAE	CDJJ
Nos.		136	140
Diameter, in.		36	40
W't of bell, lbs.		580	820
Each		$80.00★	120.00★
		CHIJ	JEHCJ
Nos.		142	144
Diameter, in.		42	44
W't of bell, lbs.		930	1075
Each		$135.00★	150.00★
		JFEFJ	JGBIJ
Nos.		146	148
Diameter, in.		46	48
W't of bell, lbs.		1180	1460
Each		$175.00★	200.00★
		JHEJE	JIGBJ



Steel Alloy, Double Headed Clapper and Frame Complete.

Nos.	530	532	534
Diameter, in.	30	32	34
W't of bell, lbs.	310	400	490
W't complete, lbs.	530	620	700
Each	$70.00★	80.00★	95.00★
	CDJJ	CHIJ	DFAE
Nos.		536	540
Diameter, in.		36	40
W't of bell, in.		580	820
W't complete, lbs.		845	1200
Each		$115.00★	155.00★
		JEEIJ	JGECE
Nos.		542	544
Diameter, in.		42	44
W't of bell, lbs.		930	1075
W't complete, lbs.		1395	1560
Each		$180.00★	205.00★
		JHGEJ	JIIFJ
Nos.		546	548
Diameter, in.		46	48
W't of bell, lbs.		1180	1460
W't complete, lbs.		1720	2015
Each		$230.00★	260.00★
		AAAHJ	ABFCE

All school, church and fire bells are listed at pattern weights only. We do not guarantee that they will weigh as listed.

★*FOR FACTORY SHIPMENT ONLY.*

INCUBATORS.

All Incubators to give complete satisfaction must possess these features—

A case that is impervious to changes in climate or temperature, a steady, reliable heating system, and strong, solid construction.

H.S.B. and CRUSO Incubators are heated by a perfect circulating HOT WATER SYSTEM. The hot water leaves the heater in an upward flow pipe which separates when the incubator box is reached. These branch pipes extend in opposite directions around the sides and ends. When the middle of the opposite end is reached the pipes unite, and the water, slightly cooler, returns in a downward flow through the inflow pipe to the bottom of the heater where it is again heated and the same operation again occurs. Thus a complete circuit takes place, and the retarding of circulation by the cooler water flowing against the hot water is eliminated. This system is vastly superior to any other because a more even temperature is maintained. Due to exceptional insulation, little fuel is required.

Temperature in the egg chamber is controlled by an automatic regulator.

Equipped with glass doors so that the thermometer, chicks and eggs can be seen without opening the door.

All Incubators have large, roomy nurseries under the egg trays.

Universally recognized as the standard Hot Water Incubator, over 200,000 have been sold in the past eight years.

Will prove successful from the start as there are no complicated parts to confuse the operator or get out of order. Complete instructions with each machine.

Lastly, great care is taken to insure a handsome, distinctive finish and—the price is right.



Regulating Is Done from the End, Thus Leaving the Top Free, Walls Made of 1 in. Carefully Selected Lumber, ⅞ in. of Wall Board with Double Air Space and ½ in. of Lumber on the Inside, Four Thicknesses in All, Top and Bottom Two Thicknesses of Lumber with a Layer of Asbestos Between, Double Glass Door, Copper Tubular Tank, Boiler and Hot Water Heating System, Controlled by Automatic Regulator Giving Exact Heat Required, Lamp, Chimney, Burner, Bracket, Trays, etc., All Metal, Wood Parts Finished in Red with Oxidized Copper Trimmings.

Nos.	1	2	3	8
Cap. Eggs	60	120	240	360to400
Floor Space, in.	20x24	24½x30	30x42	34x53
Height, in.	30¼	32¼	32¼	32¼
Ship. Wt. lbs.	65	90	135	200
Each	$15.00★	20.00★	25.00★	30.00★
	JICJ	ABJJ	AECJ	AHJJ

WHY H.S.B. AND CRUSO INCUBATORS ARE THE BEST.

THE CASE—The wood used in incubator cases must be practically perfect since the case is the most important part of the machine. It must not warp, shrink or open at the joints, it must be able to stand great changes of climate and temperature, and it must be of finest quality, most solidly put together. H.S.B. and CRUSO cases have all these qualities, as the lumber is carefully selected and carefully put together. The first grade lumber used will last indefinitely and remain AIR TIGHT. Heat or cold cannot enter the chamber. Wall board is used as an insulation, the most sanitary, durable insulation made. Top of case is not nailed on but is removable by unscrewing.

THE HOT WATER HEATING SYSTEM is briefly—a Lake Superior copper tank, boiler and heater around the incubator walls through which circulates hot water. GUARANTEED against leaks. If the lamp accidentally goes out the water remains hot for hours. The water never gets too hot because the minute the water rises above a fixed point—

THE REGULATOR lifts a damper, thus letting the heat escape from the lamp without warming the water. A poor regulator makes a good machine useless. The H.S.B. and CRUSO regulator is absolutely reliable. It consists of a double brass wafer filled with a volatile liquid which expands when heated, expanding the wafer and pushing a rod which opens the damper. When the temperature is normal again the liquid contracts and the damper shuts automatically.

THE LAMP is extra strong and absolutely safe. No gases can enter the incubator. Built of galvanized sheet steel with Sun Hinge burner and mica chimney window.

THE VENTILATION SYSTEM carries away all gases arising from the eggs and admits a supply of warm, pure air.

THE NURSERY has a lower temperature than the egg trays and is provided with a burlap lined tray.

THE EGG TRAY is strong and rigid with a heavy net bottom.

THE THERMOMETER is guaranteed to be absolutely accurate—a most important feature. It is supported by an improved holder which keeps it upright and stationary.

THE EGG TESTER will give the best of service for a life-time. Can be used on any lamp.

The price includes all attachments. When you purchase an H.S.B. or a CRUSO you have no extras to buy. In shipping, legs are unfastened and boxed, thus insuring their good condition when delivered.

★*FOR FACTORY SHIPMENT ONLY.*

INCUBATORS AND BROODERS.

HYDRO ELECTRIC INCUBATORS.



Fireproof, Efficient, Dependable, Durable, Simple, Perfectly Ventilated.

No. 40—Capacity 120 eggs, floor space required 21x28 in., height 14 in., separate interior and exterior walls, well packed to retain heat, made of fibre board, which is better than wood or metal and practically fire proof, corners bound with steel angle iron, average cost of electricity from 50 to 60 cents per hatch, furnished complete with thermometer and all necessary parts for electrical connection, shipping w't each 48 lbs.....each **ACHJ** $15.00

The clean and easy way of running an incubator. Simply turn the switch, no dirty oil lamp, no smoke, no wicks and oil to bother with each day, no varying temperature, no gases, no odors, no fire risk.

It is automatically supplies the right heat to the fraction of a degree.

The automatic control can be easily adjusted for any temperature desired, and adjustment locked so that it will not vary; no electrical knowledge or experience required to run same.

Go away and leave it just as any electric light is left burning, and with no risk involved.

The warmer the room the less electricity is used. One carbon lamp furnishes all the heat required without burning half the time. In case the current should be shut off continuously for a few hours it would not affect the hatch.

In the Hydro Electric the condensation of the air currents, which are constantly changing, furnishes a sufficient amount of moisture in most cases. However, it is sometimes necessary to keep a wet sponge or small dish of water in the bottom of the incubator.

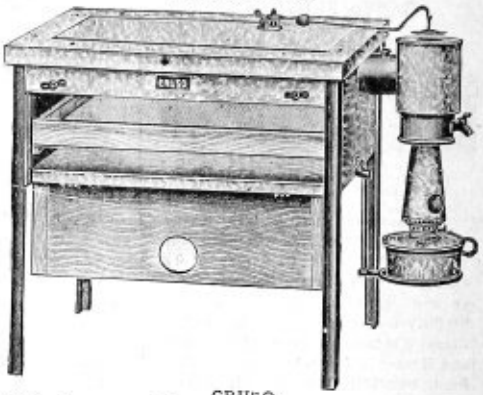
Too much moisture does not allow of sufficient evaporation of the natural moisture of the eggs, while if the air is too dry the evaporation is too rapid.

The egg tray is so constructed that chicks drop into the nursery at the bottom of the incubator, when strong enough to move about.

FULL DIRECTIONS FOR OPERATING WITH EACH INCUBATOR.

F. O. B. CHICAGO OR TRAVERSE CITY, MICH.

INCUBATORS.

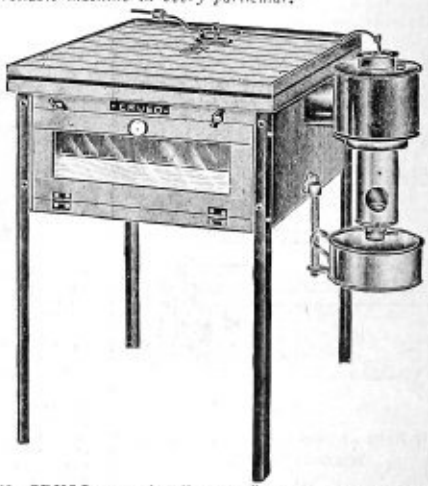


CRUSO.

Walls, Bottom and Top of 1 in. Lumber and Felt with a Covering of Heavy Galvanized Iron, Two Doors, Outer One of Wood and Iron, Inner One of Glass, Egg Chamber 9 in. Deep, Heated by our Tubular Copper Tank and Hot Water System, All Parts Including Lamp, Jacket, Chimney, Legs, Brackets and Regulating Fixtures, Made of Metal,

Nos.	4	5	6
Caps. Eggs	120	175	240
Floor space, in.	22x29	29x29	28½x40
Height, in.	26½	26½	26½
Ship. w't lbs.	80	95	120
Each	$18.00	20.00	23.00
	AJJJ	**AAGJ**	**ABIJ**

The chief difference between Cruso and Incubators is that the Cruso is covered with galvanized iron and has iron legs. The inner construction and mechanical features are described on the previous page. The Cruso is an efficient and reliable machine in every particular.



No. 19—CRUSO, capacity 60 eggs, floor space required 21x25 in., height 26 in., walls and top double construction and well insulated, double glass doors, has strong angle iron legs, heated by best cold rolled copper tank and boiler and hot water system, automatic regulator, shipped complete with regulator, lamp, lamp bracket, thermometer and holder, egg tray, egg tester, w't 50 lbs...each **JFCJ** $11.00
Handsomely finished in dark red and well varnished.

POULTRY SUNDRIES.

BROODERS.



Outdoor or Indoor.

Hot Air Brooder, Floor is 1 in. Above the Ground, Hover Has Overhead Hot Air Heating Pipes of Galvanized Iron, Cotton Flannel Curtain Between Hover and Exercising Room Which is Slightly Cooler and Has Large Double Glass Windows in Front, Lamp Box and Heater is Entirely Separate, Fire Proof Box With Double Wall of Galvanized Iron.

Nos.	60	120
Capacity, chicks	60	200
Floor space, in.	19x22	24x30
W't crated ,lbs.	65	85
Each	$13.00	16.00
	JGHJ	JICJ

Nos.	240	360
Capacity, chicks	240	360
Floor space, in.	32x44	36x60
W't crated, lbs.	110	140
Each	$20.00	26.00
	AAGJ	AECJ

These brooders are rainproof. Roof is hinged, making them easy to clean. The foul air which settles to the floor in all brooders is automatically drawn off by a suction draft connected with the lamp.

CRUSO BROODERS.



Indoor.

Well Built of Selected Lumber, Glass Windows in Side.

Nos.	50	100	150
Cap., chicks	50	100	150
Floor space, in.	16x24	22x22	26x34
Height, in.	12—	12	12
W't each, lbs.	42	60	82
Each	$10.00	12.00	14.00
	JEGJ	JGBJ	JHDJ

BROOD COOPS.



—Galvanized iron, asbestos lined roof, collapsible, length 20 in., width 17 in., height 24 in., adjustable ventilators in each end to insure abundance of air, wide flanges 1 in. insuring easy assembling, w't per doz. 200 lbs. .....per dozen **BEBJ** $42.00

Carefully made of heavy galvanized iron, put together with only one bolt. Asbestos lined roof keeps out heat of the sun.

Lifting of side door makes a porch protecting chicks from rain and sun. Closing runway door makes coop vermin proof. Bottom can be removed for cleaning, and allowing hen or chicks on the grass. Rain, rat and vermin proof.

Can be shipped from Chicago stock or Iowa factory.

KNOCKED DOWN AND CRATED; ONE-HALF AND ONE DOZEN IN A CRATE.

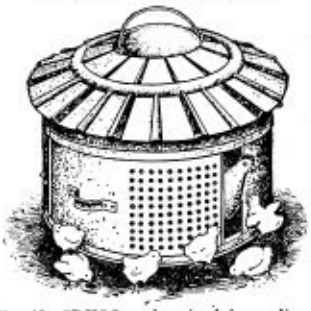


No. 2—CRUSO Special, sanitary, 28 ga. galvanized iron, 17 in. wide, 23 in. long, 11 in. to eaves and 19 in. to top, bottom is removable for cleaning, w't per doz. 170 lbs., per dozen .....**AIBJ** $32.00

The special features of this coop is that it has extreme top ventilation, giving free egress of foul air. Has three perfect swinging doors hinged to the coop so that they can not get mislaid or lost. One door allows the chicks to pass in and out, keeps the hen inside, and another is made of screen to protect the chicks at night, but allows plenty of air. Door No. 3 is a solid door to shut up tight, being a protection from cold and storm. When doors are not in use they can be fastened back out of the way by a spring catch.

SIX IN A CRATE. W'T, CRATED, 85 LBS. WE DO NOT BREAK CRATES.

CRUSO BROOD COOPS.



No. 12—CRUSO, galvanized iron, diam. top 24 in., body 22 in., extreme height 17½ in., top and bottom heavily corrugated making it rigid, one-piece door perforated at one end, storm proof ventilators opposite door as well as space under eaves insuring perfect ventilation when solid door is closed on hot nights, w't per doz. 164 lbs., per dozen .....**AHJJ** $27.50

No corners in this CRUSO in which dirt may collect and into which chicks crowd and either trample or smother weaker ones.

The one piece door perforated at one end is made so that it can be used either as a screen door or as a storm, rat and rainproof door, or, by sliding it to the extreme right, leaves an opening for the small chicks to pass through.

When confined in the coop, the hen has plenty of light and air.

KNOCKED DOWN AND CRATED; ONE-HALF DOZEN IN A CRATE.

WE DO NOT BREAK CRATES.



No. 15—28 gauge galvanized iron, 17 in. wide, 23 in. long, 11 in. to eaves and 19 in. to top, bottom removable for cleaning, w't per crate 87 lbs., per dozen .....**AHJJ** $24.00

The special feature of these coops is that they have extreme top ventilation, giving free egress of foul air. They are made by dies and are not touched by a pair of hand shears or scratch awl; therefore are all uniform and will assemble easily.

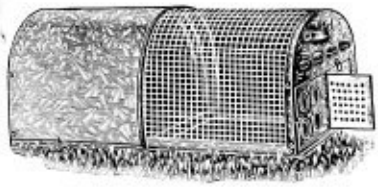
Each coop has one perfect swinging door with all of the features of three doors in one, hinged to the coop so that it cannot get mislaid or lost. The door is made double so that when the chicks are to be closed in, it turns with a knob and closes the opening, at the same time leaves the ventilating door open, and by a little further turn can be closed off entirely for bad weather.

SIX IN A CRATE.

WE DO NOT BREAK CRATES.

AUTOMATIC FEEDERS, POULTRY SUNDRIES, ETC.

RUNWAY OR EXTENSION COOPS.



No. 14—Height 18 in., length 46 In. open, 25 in. closed, made of 28 gauge galvanized steel, ½ in. mesh, 19 gauge wire cloth, covered portion has bottom raised 1 in. from the ground, w't per doz. 240 lbs. ..per dozen **BHHJ** $48.00

The largest, best constructed and most convenient coop on the market. Provides fresh air, sunlight, and absolute protection at all times from rain, rats and vermin. When not in use coops can be nested closely together.

ONE-HALF DOZEN IN A CRATE.

AUTOMATIC CHICK FEEDER.

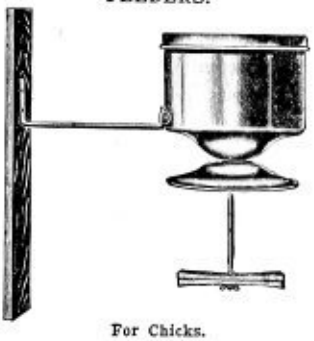


No. 16—CRUSO, height 21 in., diam. 30 in., capacity ¾ bushel, extra heavy galvanized iron, beautiful corrugated top, extra reinforced bottom, w't per crate 90 lbs.. with bottom, per dozen .....**CGBJ** $56.00

Prevents the old birds from eating the chick feed; keeps feed dry and clean.

ONE-QUARTER DOZEN IN A CRATE.

AUTOMATIC POULTRY FEEDERS.



For Chicks.

No. 124—"Simplex Faultless," 4 qt., black steel drawn seamless construction, finished in brown enamel, height over all 14 in., w't per doz. 36 lbs., per dozen .....**AJAJ** $17.00

Invaluable for feeding small chicks. The bait bar revolves when pecked, and the feed is then automatically scattered about. Will not clog, and is easily operated. The Simplex Faultless is the result of experimenting on a device that will really be an automatic feeder and still be priced within the reach of all. It is guaranteed to be satisfactory in every respect and will last a life time. Besides keeping the food in good condition it is designed with the purpose of giving the chick some good growing exercise in getting the food. Furnished complete with bracket for attaching to side of post or coop.



Galvanized.

Nos.	152	153	154
Cap., bu.	½	½	1
Hgt overall, in.	18	24	32
W't, doz., lbs.	54	72	108
Per dozen	$17.00	26.00	34.00
	AJAJ	AEAJ	BJAE

These feeders are designed especially for full grown fowls. The general construction is the same as the No. 124 for baby chicks. Furnished with bail for hanging instead of bracket, however.

ONE IN A CARTON.

POULTRY FOUNTAINS.



CRUSO HENFRIEND, Best Galvanized Iron, for Chicks.

Nos.	3	2	1
Size ,in.	4x4x6	6x6x9	8x8x12
Cap., gal.	½	1¼	2½
W't, doz., lbs.	30	25	40
Per dozen	$5.00	7.00	10.00
	BDJ	CIJ	JEDJ

The Henfriend provides a shallow drinking trough with a reserve supply of water that comes down automatically as the fowls drink it out.

The edges project beyond the flat surthicknesses of metal to take the wear all on the edges. They also hold the tank up from the ground to permit the face of the body forming guards of three circulation of air underneath which prevents it from rusting on the bottom.

A good many complaints of poultry can be cured by administering the medicine in their drinking water. The Henfriend is especially adapted for this, as by the action of the air in entering the top part of the fountain, it agitates the water and keeps the medicine mixed thoroughly with the water.

Will not drown chicks, is easy to fill and easy to clean. Keeps the water cool in summer and if filled with hot water in the morning it will not freeze during the day in cold weather.

NOS. 1 AND 2, ONE-HALF DOZEN; NO. 3, ONE DOZEN IN A CRATE.

MOE'S TOP FILL DRINKING FOUNTAINS.



Nos.	06	07	08
Capacity, gal.	1	2	4
Per dozen	$15.00	21.00	27.00
	AJBJ	AECJ	BJDJ

Special Features.—Dead air space between cover and inner tank which keeps water cool in summer and warm in winter. Will keep water from freezing for about 6 hours at about 6 below zero.

POULTRY FOUNTAINS AND FEEDERS.

CRUSO SANITARY FOUNTAIN.



No. 40—Heavy galvanized iron, capacity 1 gal., w't per doz. 30 lbs., per dozen .....CCJ $4.80

This sanitary fountain prevents chicks from standing in the water, thus keeping them dry and the water clean. Easily knocked down for shipping, insuring cheap freight rates.

ONE-HALF DOZEN IN A CRATE.

CRUSO WALL FOUNTAIN.



Heavy Galvanized Iron.

Nos.	22	23
Capacity, gal.	1	2
W't per doz., lbs.	30	30
Per dozen	$6.00	9.00
	CIJ	EGJ

Designed to hang on wall or post at any height, thus keeping them free from dirt. For small or large fowls, also pigeons. Will not break by freezing, easily cleaned by partly filling with pebbles, etc., and then shaking.

ONE-HALF DOZEN IN A CRATE.

CRUSO AUTOMATIC FEEDERS AND FOUNTAINS.



No. 21—Furnished in galvanized iron, will fit pint, quart or half-gallon Mason jars, w't per doz. 6 lbs., per dozen .....JIE $2.00

Per gross .....AJAJ 19.20

It feeds water, grain, grit, oyster shell, etc., and is the most sanitary fountain on the market; having a glass reservoir, which is easily cleaned, and you can always see just how much water it contains without taking hold of it, and is so simple any child can fill it.

Any size Mason glass jar fits it. We do not furnish the jars, as everybody has them on hand, thereby saving the extra expense.

ONE DOZEN IN A PASTEBOARD CARTON AND SIX DOZEN IN A CRATE.

CRUSO GRIT AND SHELL BOX.



No. 1—Three compartments each holding about 2 qts., round bottom, heavy galvanized iron throughout, w't per doz. 30 lbs. .....per dozen DHJ $9.00

Cover slants, preventing fowls from roosting on the box. The automatic supply construction practically eliminates waste and keeps the grit, oyster shell and charcoal clean and sanitary. For a small flock this box can be used as a dry food hopper.

ONE-HALF DOZEN IN A CRATE.

CRUSO DRY FOOD HOPPER.



No. 30 — Galvanized iron, two compartments, one holding 6 qts. of grain, one 3 qts. for beef, handle, hinged cover and round trough, w't per doz. 30 lbs., per doz. DHJ $9.00

To be hung against wall of poultry house. Very economical. The cover protects the contents from all moisture and filth.

ONE-HALF DOZEN IN A CRATE.

DRY MASH HOPPER.



No. 35—12 qt., galvanized iron, w't per doz. 48 lbs. .....per dozen GEE $9.00

When filled, feed cannot clog and all waste is prevented.

ONE-HALF DOZEN IN A BOX.

BABY CHICK FEEDERS.



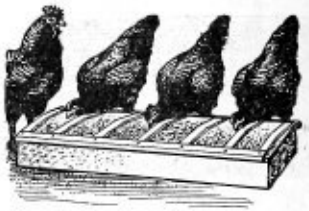
Round, Sliding Cover. Galvanized Iron.

Nos.	11	12
Diam., in.	6	8½
W't per doz., lbs.	6	10½
Per dozen 6	$1.80	3.00
	AEJ	BEJ

Can also be used for water. The most commodious feeder on the market.

NO. 11, THREE DOZEN, NO. 12, TWO DOZEN IN A BOX.

CRUSO SANITARY FEEDING TROUGHS.



Best Grade Galvanized Iron.

Nos.	210	220	230
Length, in.	12	18	24
W't per doz., lbs.	12	23	31
Per dozen	$4.20	8.50	13.00
	BEJ	EAJ	JGHJ

The barred top prevents wasting of feed and if used for water, does away with the little chicks drowning.

The feed saved by using this trough will more than pay for itself in a few weeks. Made in three sizes.

PACKED ONE-HALF DOZEN IN A CRATE.
WE DO NOT BREAK CRATES.

OATS SPROUTERS.

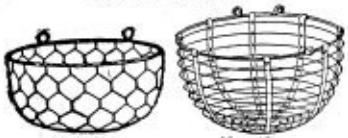


No. 11—Economy, iron rack 35 in. high, 5 sprouting pans, 1 drip pan 16x17 in., natural drainage, effective and economical to highest degree, w't 33½ lbs. .....each HBE $9.00

When the oats in the sprouter are ready for feeding, each pan may be divided into four quarters. One quarter er day will feed a flock of about twenty-five chickens.

STOCK WATERERS AND FOUNTAINS.

HENS' NESTS.



No. 45. No. 15.

No. 45—Steel wire, japanned, diameter 13 in., mesh 1½ in., w't per doz. 4 lbs. .....per dozen **JFJ** $1.35

No. 15—CRUSO, 14 in. diameter, 7 in. deep, mesh of No. 17 coppered wire, eight ribs of flat steel, coppered, top ring of No. 10 coppered wire, w't per doz. 8 lbs. .....per dozen **JHE** $1.50

Patent lock ribbed.

ONE-HALF GROSS IN A CRATE.

NEST EGGS.



No. 1—Opal glass, w't per doz. 10 oz., per dozen .....**AH** $0.50

Per gross .....**ADE** 2.60

ONE DOZEN IN A CARTON; ALSO PUT UP ONE GROSS IN A CARTON.

POULTRY PUNCH.



Roger's.

No. 1—Nickel plated, per doz. **CBJ** $5.30

No. 2—White finish, per doz. **BDJ** 4.00

Punches a small hole in the web between the toes of a young chick for marking purposes. Strongly made. Does not bruise the foot of the chicken but cuts a clean round hole. Indespensable to the poultry fancier.

BEE SMOKERS.



IX Tin Stove, Galvanized Steel Brackets and Hook, Hinged Cover, Removable Grate.

No. 1—Junior, 6¼x2½ in. stove, 7x3¾ in. bellows, w't per doz. 15 lbs., per dozen .....**JFBJ** $15.00

No. 2—Standard, 6¼x3¾ in. stove, 7½x3¾ in. bellows, w't per doz. 18 lbs., per dozen .....**JIAE** $20.00

ONE IN A BOX.

Spiral.



Celluloid—Black, White, Dark Blue, Pink, Light Blue, Red, Green, Garnet, Yellow and Purple.

One Hundred of a Color and Size in a Package.

No. 1—Baby chick size, per 1000 .....**DFJ** $7.75

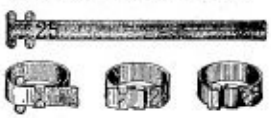
No. 2—Metiterraneum size, per 1000 .....**JFGJ** 11.25

No. 3—American size, per 1000 .....**JFGJ** $11.25

These bands enable the breeder to distinguish his birds at a glance without handling. Bands are not destroyed by removing and may be used over again. Built on the key ring principle.

ONE HUNDRED TO A PACKAGE. WE DO NOT BREAK PACKAGES.

POULTRY LEG BANDS.



PERFECTION, Adjustable Double Lock, Aluminum and Numbered to Suit Purchaser.

Nos. 1 to 12 .....per set **JG** $0.15

Nos. 1 to 25 .....per set **AB** .25

Nos. 1 to 50 .....per set **BB** .50

Nos. 1 to 100 .....per set **JDB** 1.00

CARRIED IN STOCK IN SETS, NUMBERED.



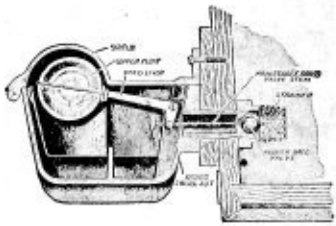
PERFECTION, Adjustable Seal.

Nos. 1 to 50 .....per set **CE** $0.75

Nos. 51 to 100 .....per set **CE** .75

CARRIED IN STOCK IN SETS OF 50 NUMBERED.

STOCK WATERERS.



No. 36—Star, working parts of brass, w't 156 lbs. .....per dozen **AEFJ** $24.00

The Star has fewer working parts than any other waterer. The shield is held secure by cotter pin instead of bolt or nut, which eliminates the rusting. The shield cannot be removed. The valve seat is made of composition that will not rust. Works well attached to either tank barrel or pipe. It holds one gallon of water.

The adjustment is in the drinking trough instead of on the inside of the barrel. This enables the user to regulate the flow from the outside. When the trough is being cleaned, the water can be entirely shut off. This feature is especially desirable, as it prevents the freezing of water in the trough.

SANITARY AUTOMATIC CATTLE WATERERS.



Cast Iron, Black Japan Finish, Also Furnished in Porcelain Lined, 12 in. Diameter, 8 in. Deep.

Black Japan Finish.

No. 42—Without cover, w't each 15 lbs., each .....**JIJ** $1.50

No. 44—With cover, w't each about 17 lbs. .....each **ABJ** $2.00

Porcelain Lined.

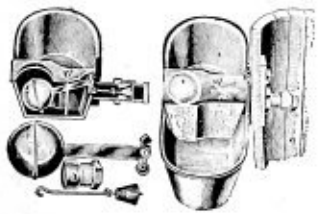
No. 46—Without cover, w't each 18 lbs., each .....**AEJ** $2.50

No. 48—With cover, w't each about 20 lbs. .....**AHJ** $3.00

Tank float valve without float, w't each 3½ lbs. .....each **JFE** $1.10

Never leaks, always ready, waters two head of stock with one bowl. They are connected by a one-inch pipe to a tank placed at one end of the barn at proper height to regulate water in the bowls. This tank is connected with the tank at the windmill and height of water is controlled by a tank float and valve.

STOCK FOUNTAINS.



No. 5—Daisy, cast iron, japanned, working parts of brass, w't 144 lbs., per dozen .....AEFJ $28.00

The Daisy is very easily attached, having but one ¾ in. pipe to be inserted into tank or barrel. The float chamber is a continuation of the cups and having a raised bottom it throws all mud, etc., into the cups. The cover is secured by a thumb nut and can be removed easily. The valve is a tapering vulcanized rubber cork and can be adjusted, thus regulating the depth of water in the cups.

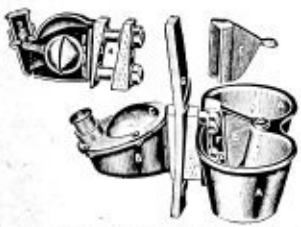
ONE-HALF DOZEN IN A CRATE.



No. 21—Float Valves with lever attached and brass machine screws with nuts for No. 5 Stock Fountains, per dozen .....CFE $6.00



No. 2—Rubber Cork or Valves with connecting wire and screw eye for No. 5 Stock Fountains, per dozen .....AHJ $3.00



No. 4—Improved Dewey, cast iron, japanned, w't 240 lbs., per dozen .....AEFJ $28.00

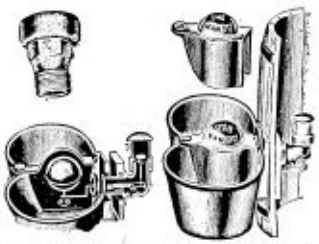
AA—Double drinking cup, B—valve and float chamber, C—top of chamber, D—Screen cap, E—division or shield, F—air inlet, F2—water outlet, G—represents barrel stave.

1—brass float, 2—valve, 3-3—wedges used in attaching to barrel, for tank use small wedge only and reverse ends, 4—barrel or tank space.

The valve is on the inside of tank or barrel in water and governed by water closet brass float which cannot rust, leak, freeze or allow mud to collect under it. It can be set for two pens. Will water from 150 to 300 hogs a day, also sheep, calves and poultry.

ONE-HALF DOZEN IN A CRATE.

STOCK FOUNTAINS.



No. 8—Handy, cast iron, japanned., w't 126 lbs. .....per dozen AEFJ $28.00

Has a soft rubber button valve and a brass valve-seat that will not corrode or get rough. It has an extra long lever. The brass ball float can be screwed up or down to regulate the flow of water into the pan by simply taking off the cover of center division. The distance from the bottom of pipe hole where water enters pan to bottom of the pan is over 2 in., this is where the mud settles; none can ever get back into the valve chamber. It is held to barrel or tank by 1 in. pipe nipple, equal to 1 in. bolt.

ONE-HALF DOZEN IN A CRATE.

No. 1—Float Valves, for No. 8, per dozen .....BDJ $4.00

No. 4—Rubber Button Valves, for No. 8, per dozen .....DE $0.80

REVONOC HOG WATERERS.



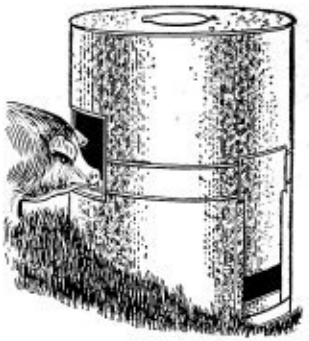
Heavy Galvanized Iron, Very Strongly Built.

No. 102—For attaching to supply tank or water pressure which farmers may have, height of water regulated by float valve, w't each 40 lbs., each★ .....JIGJ $16.20

Consists of a tank encased in a heavy outer jacket with a 1 in. air space between. The heating apparatus consists of a lamp placed directly under the drinking pan, and is guaranteed to keep the contents from freezing when the temperature is 40 deg. below zero. Perfectly sanitary, impossible for animals to get feet into the water, will give just the right temperature every day in the year, requires very little attention, and is easily installed.

Special prices for lots of six.

REVONOC HOG WATERERS.



No. 50.

Heavy Galvanized Iron, Very Strongly Built.

No. 50—Capacity 60 gal., w't each 90 lbs., each .....AGDJ $29.00

Shipped either from Chicago or factory Des Moines, Iowa.

With Two Drinking Troughs, One on Each Side, So that Waterer Can Be Set in a Line Fence and Supply Water to Hogs in Two Pens.

Nos.	52	62
Capacity, gal.	60	100
W't each, lbs.	100	140
Each	$33.50★	45.00★
	BAAJ	BGJJ

Consists of a tank encased in a heavy outer jacket with a 1 in. air space between. The heating apparatus consists of a lamp placed directly under the drinking pan, and is guaranteed to keep the contents from freezing when the temperature is 40 degrees below zero. The water height in the tank is automatically regulated, not by valves which continually get out of order, but by a simple vacuum arrangement. Perfectly sanitary, impossible for animals to get feet into the water, will give just the right temperature every day in the year, requires very little attention, and is easily installed.

Special prices for lots of six.

SPRING AND ICE BALANCES, MILK SCALES.

SPRING BALANCES.



Nos. 50 and 51.



No. 52.

FRARY'S, Brass Face, Black Figures, Straight Japanned Case, with Heavy Hook and Ring.

No. 50—Light case, capacity 25 lbs. x ½ lb., length over all 8¼ in., w't per doz. 3 lbs. .....per dozen **JIE** $1.60

No. 51—Light case, capacity 50 lbs. x 1 lb., length over all 10¾ in., w't per doz. 9 lbs. .....per dozen **AHE** $3.00

No. 52—With 9 in. round tin dish, w't per doz. 9 lbs., otherwise same as No. 50 .....per dozen **BCJ** $4.00





No. 81. No. 70.

No. 84—Heavy case, straight, capacity 50 lbs. x 1 lb., length over all 13½ in., w't per doz. 12 lbs., per doz. **EGE** $8.00

No. 70—Capacity 25 lbs. x ½ lb., length over all 9 in., w't per doz. 3 lbs., per dozen .....**BFJ** $4.00

NO. 50, ONE DOZEN; NOS. 51, 52, 81 AND 70, ONE-HALF DOZEN; NO. 84, ONE-QUARTER DOZEN IN A BOX.

FRARY'S, Brass Face, Black Figures, Japanned Case, with Hook and Ring.

No. 81—Heavy case, straight, capacity 25 lbs. x ½ lb., length over all 10 in., w't per doz. 4 lbs., per dozen $4.00 **BIJ**

SPRING BALANCES.



No. 120.

FRARY'S, Brass Face, Black Figures, Japanned Case, with Hook and Ring.

No. 120—Improved, heavy case, circular dial, capacity 30 lbs. x 1 oz., length over all 15½ in., w't per doz. 36 lbs., per dozen .....**CGIE** $66.00

No. 121—Improved, light case, circular dial, capacity 60 lbs. x 2 oz., length over all 18 in., w't per doz. 24 lbs., per dozen .....**DGAE** $81.00

Each 20 lbs. is marked on the slide.

ONE-TWELFTH DOZEN IN A BOX.

SPRING AND ICE BALANCES.



GERMAN, Ice, Crab, Polished Steel Spring, Brass Dial, Graduated on Both Sides, Length Over All 11 Inches.

No. 0500—Capacity 300 lbs. x 20 lbs. on one side, 35 x 5 lbs. on the other side, w't per doz. 10 lbs., per dozen $12.00 **JDFJ**

No. 550—Capacity 350 lbs. x 20 lbs. on one side, 35 x 5 lbs. on the other side, w't per doz. 10 lbs., per dozen $12.00 **JDFJ**



Nos. 50P to 210P.

Nos. 0500 and 550.

PELOUZE, Spring, Brass Face, Straight Japanned Steel Case and Heavy Steel Spring.

Nos.	50P	100P	150P	210P
Capacity, lbs.	50x½	100x1	150x1	210x2
Lgth, over all in.	11	18	17	19
W't doz., lbs.	6	18	18	24
Per dozen	$8.00	34.00	30.00	42.00
	DIJ	ADFE	AHDJ	BEGE

ONE-HALF DOZEN IN A BOX.

MILK SCALES.



Black Enameled Steel Case, Polished Brass Face, Stamped in Figures and Lines, Tinned Steel Hook and Ring.

No. 260-MD—30 lbs. x 1-20 lb., w't per doz. 27 lbs., per dozen.....$48.00 **BHHJ**

No 270-MD—60 lbs., x 1-10 lbs., w't per doz. 32 lbs., per dozen.....$60.00 **CFJJ**

No. 280-MD—120 lbs. x 1-5 lb. capacity, w't per doz. 48 lbs., per dozen .....$96.00 **EFDJ**

These scales are made with a loose pointer which by means of a thumb screw on the center of the pointer may be set anywhere on the dial, thus taking care of a milk pail, etc.

ONE IN A CARDBOARD BOX.

ICE BALANCES.



No. 302.



Nos. 150 to 400.

No. 302—Excelsior, heavy iron case and heavy steel spring, capacity 200 lbs. x 5 lbs., length over all 14 in., w't per doz. 42 lbs.....per dozen **CAJE** $54.00

No. 303—Capacity 300 lbs. x 5 lbs., otherwise same as No. 302, per dozen .....**CFHJ** $66.00

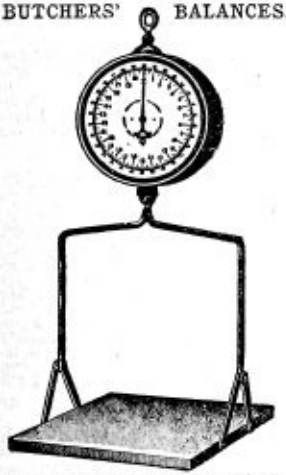
PELOUZE'S, Steel King, Long Brass Dial, Black Figures, Heavy Steel Case, with Heavy Hook and Ring, Length over all 15½ in.

Nos.	150	200	300	400
Capacity lbs.	150x1	200x2	300x5	400x5
W't doz., lbs.	50	52	52	53
Per dozen	$60.00	63.00	66.00	69.00
	CFHJ	CHFE	DJEJ	DBAJ

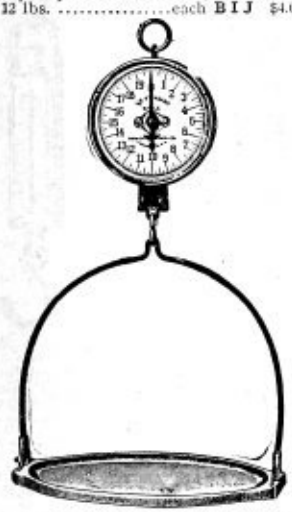
ONE IN A BOX.

BALANCES AND SCALES.

BUTCHERS' BALANCES.



No. 101 REVISED—Silver finished dial, with black figures, very heavy steel body, handsomely black enameled and decorated with aluminum bronze, very sensitive and accurate, large steel platform, beautifully finished in aluminum bronze, can be easily folded when not in use and instantly adjusted by regulating screw on top, capacity 60 lbs. x 1 oz., w't boxed 12 lbs. .....each **B I J** $4.00

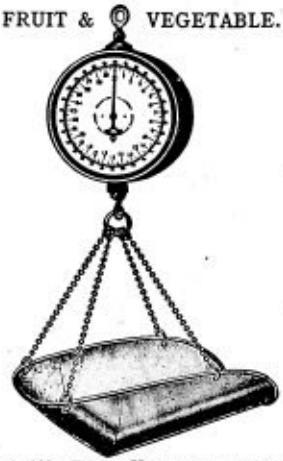


No. 366 REVISED—High grade pressed steel, enameled black, dial white with large black figures, 6 in. diameter, protected by glass and nickel plated sash, capacity 20 lbs. by ounces, folding white enameled platform 12 in. in diameter with steel tinned bow, w't each 5 lbs.....each **B D J** $4.00

The regulating device conforms with the requirements of the new State laws. Handy for merchants and family use.

ONE IN A BOX.

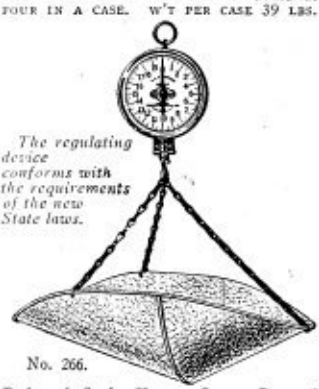
FRUIT & VEGETABLE.



No. 166 REVISED—Heavy gauge pressed steel, making it light but very strong, enameled in black, dial diam. 9½ in., finished in aluminum and divided into 30 lbs. by ounces, indicator makes two revolutions giving scale a capacity of 60 lbs., scoop 24 in. long, 13½ in. wide and 7 in. deep, made of 24 gauge galvanized iron with a heavy wired edge and strong steel chains, holds one-half bushel of potatoes, each .....**J C D E** $12.00

In states where laws are being passed providing that fruits and vegetables must be sold by weight in place of measure this scale will be in demand.

FOUR IN A CASE. W'T PER CASE 39 LBS.



The regulating device conforms with the requirements of the new State laws.

No. 266.

Body of Scale Heavy Gauge Pressed Steel Throughout, Enameled Black, Dial White with Large Black Figures, 6 in. in Diameter, Protected by Glass and Nickel Plated Sash, Capacity 20 Lbs. by Ounces, Once Around Scoop. Has Wired Edge and Strong Steel Galvanized Chain, Holds Over a Peck.

No. 266 REVISED—Galvanized scoop, size 20 in. long, 12 in. wide, 6 in. deep, w't each 8 lbs. .....each **B I J** $4.80

No. 466 REVISED—Tin Scoop, size 15 in. long, 12 in. wide, 5 in. deep, w't each 3½ lbs. .....each **A I J** $3.20

FOUR IN A WOODEN CASE.

BUTCHERS' BALANCES.



No. M20—Improved double dial, with regulating device on top which adjusts both indicators at one time without taking scale apart, regulating screw is protected with a cap which complies with the new laws, the scale is heavily nickel plated throughout, white glazed platform, 10 in. glass sash, white dial with large figures, capacity 20 lbs. x 1 oz., w't 17 lbs., each .....**J H D J** $12.00

No. M30—Capacity 30 lbs., otherwise same as above .....each **J I J J** $12.50

ONE IN A BOX.

HANSON'S.



No. 16—Universal Improved, capacity 24 lbs. x 1 oz., steel case, 6 in. adjustable white enameled circular dial, large black figures, 10 in. porcelain enameled pan, w't 2½ lbs., each .....**A D E** $2.50

ONE IN A BOX.

HIBBARD REVONOC FAMILY SCALES.



No. 160 REVONOC—Counter, capacity 60 lbs. x 2 oz., constructed of steel, aluminum finished slanting dial diam. 9½ in., 9½ in. square steel platform, wood base 9½x12½ in., handsomely enameled in black, trimmings aluminum bronze, no castings, w't 16 lbs., each .....**BDJ** $4.00

No. 160T REVONOC—With heavy tin scoop 10½x20 in., w't 19 lbs., otherwise same as No. 160 REVONOC, each .....**CCJ** $5.50

This is an exceptionally strong scale and especially designed for weighing fruits and vegetables. This scale is intended to do the same work that the No. 166 REVONOC does.

ONE IN A BOX.



No. 165T REVONOC—Fitted with steel claw and large heavy tin scoop, 10½x20 in., highly polished, regulating screw inside of frame, protected with cap which conforms with new laws, built throughout of steel, and has large wooden base, handsomely finished in black enamel, slanting dial is silver finished with black figures 9½ in. in diam., capacity 60 lbs., w't boxed 18 lbs. .....each **CAE** $4.40

An exceptionally good, strong scale for weighing commodities of large amounts for restaurants, hotels and farmers' households.

ONE IN A BOX.



No. 24 REVONOC—Slanting dial, capacity 24 lbs. x 1 oz., square steel platform, w't 4 lbs. .....each **AJJ** $1.60

This style of scale is very popular for general family use. It is strong, accurate and very sensitive. Invaluable to every household.

ONE IN A BOX.



No. T25 REVONOC—Slanting dial, capacity 24 lbs. x 1 oz., steel fork and heavy tin scoop, w't 4¾ lbs., each .....**AJE** $1.80

Where a large capacity scale for weighing spices, etc., is wanted, the No. T25 answers every requirement.

No. T12 REVONOC—Capacity 12 lbs. x 1 oz., otherwise same as No. T25 REVONOC, each .....**AJE** $1.80

A smaller weighing capacity on the same size dial as the No. T25 makes the fractional numerals more easily read and also makes it a convenient medium capacity family scale.

No. T6 REVONOC—Capacity 6 lbs. x 1 oz., otherwise same as No. T25 REVONOC, each .....**AJE** $1.80

ONE IN A BOX.



No. T26 REVONOC—Slanting dial, capacity 24 lbs. x 1 oz., square steel platform, tin scoop with collar, w't 5 lbs., each .....**ABJ** $2.00

A scale that is well adapted for family use.

The scoop is large and durable and the most serviceable for the preserving season.

ONE IN A BOX.



No. 25 REVONOC—Slanting dial, capacity 24 lbs. x 1 oz., tile top platform, w't 4½ lbs. .....each **ABJ** $2.00

Tile platform scales are very good sellers, because of the convenient way of keeping them clean and sanitary.

ONE IN A BOX

REVONOC SCALES.

The Dial—Is at a proper angle so that it can be read at a glance without stooping. The numerals and lines are stamped into steel, coated with aluminum bronze, and are large and distinct.

Platform—set well back and does not shade the dial and is supported on double steel uprights, distributing the weight and insuring accuracy.

Inside Mechanism—as well as the frame is pressed entirely of high grade steel, absolutely no castings to break in transportation.

Regulating Screw—is so arranged that it can easily be adjusted for any kind of vessel, and has a self-locking device inside of frame and cannot be tampered with after being set.

Finish—All our REVONOC scales have a heavy coat of black japan over the base, frame and uprights, and the dial is richly coated with aluminum bronze.

SCALES.

FAMILY.



No. 234—Blue enamel finish, dial protected by glass and nickel sash, capacity 24 lbs.x1 oz., square white tile platform, w't 4½ lbs., each .....**AFJ** $2.70
The white tile insures cleanliness and is very convenient.
ONE IN A BOX.

DAIRY SCALE.



No. 44—Large white dial, protected by glass and nickel sash, felt lining between the rims acting as cushion for glass, also making it dust proof and keeping dial easy to read, large white glazed platform supported on double steel uprights, which distributes weight and insures accuracy, beautifully enameled in black and artistically decorated, capacity 24 lbs. x 1 oz., w't 5 lbs., each .....**AEJ** $2.50
No. 644—Capacity 6 lbs., otherwise same as No. 44, each .....**AEJ** $2.50
No. 1244—Capacity 12 lbs., otherwise same as No. 44, each .....**AEJ** $2.50
ONE IN A BOX.

FAMILY.



No. 244—Blue enamel finish, dial protected by glass and nickel sash, capacity 6 lbs.x½ oz., steel claw and tin scoop, w't 4 lbs., each .....**AEE** $2.60
No. 344—Capacity 12 lbs.x1 oz., w't 5 lbs., otherwise same as No. 244 .....each **AFJ** $2.70
ONE IN A BOX.



No. 364—Blue enamel finish, dial protected by glass and nickel sash, capacity 24 lbs.x1 oz., square steel platform and tin scoop with collar, w't 4½ lbs. ...each **AGJ** $2.80
No. 374—Brass scoop with collar, otherwise same as No. 364, each .....**BJE** $3.40
ONE IN A BOX.



SCOOPS

Extra Scoops, for 12 lb. and 24 lb. family scales, per dozen.....**BIJ** $5.00

BABY.



No. 30-N—Ideal, capacity 24 lbs. x 1 oz., steel construction, handsome enameled in blue, large silver finished dial, with gold border, natural willow basket, which can instantly be removed, w't 5 lbs. ....each **DBJ** $5.00
This scale is indispensable to the household; especially adapted for weighing babies.
ONE IN A BOX.

60 LB. U. S. FAMILY.



No. 61—Family, capacity 60 lbs. x 2 oz., 7x7 in. pressed steel top plate, double upright removable steel posts, 8 in. white dial, regulated by turning brass screw on top, constructed of steel throughout, neatly japanned in black, w't 7½ lbs. .....each **AGE** $3.50
ONE IN A BOX.



No. 61-S—Capacity 60 lbs. x 2 oz., constructed of steel, large dial, can be instantly regulated, neatly japanned in black, two upright removable steel posts, with a 16 in. heavy tinned scoop, w't 9½ lbs., each .....**BCJ** $4.50
ONE IN A BOX.

SCALES.

The Slanting Dial Glass Front Scales are the most up-to-date and highest **grade** that are made.

Finish—Beautifully enameled in **blue** and decorated in **gold.**

Dial—The scales have large white slanting dials, with plain black figures, protected with glass and nickel plated rims which prevent anyone from tampering with the indicator. There is a felt lining between two metal rims which acts as a cushion for the glass and makes it dust proof, keeping the dial always clean and easy to read.

Construction—The interior mechanism and the frame are made of the best cold rolled steel, absolutely no castings used. The pivots are properly fitted, and all parts very carefully assembled.

All scales are accurately tested.

The platform and scoops are supported on double steel uprights, distibuting weight and insuring accuracy.

The Scale is invaluable for family use.



No. 234 O V B
Family Scale

No. 364 O V B
Family Scale



No. 1728 O V B
Platform Scale



No. 960 O V B
Platform Scale



No. 520 O V B Counter Scale

For descriptions and prices see: Family Scales, page 293, Counter Scales, page 295, Platform Scales, page 297.

CONFECTIONERY AND DELICATESSEN SCALES.



No. T69 REVERSIBLE—Silver finished dial, 6 in. in diam., steel claw and highly polished tin scoop, body enameled in black and decorated with aluminum bronze, adapted to weigh candies, teas, coffees, etc., capacity 6 lbs. x ½ oz., w't 3½ lbs. ..each **AAE** $1.60



No. 86—Imperial, computing confectionery, capacity 2 lbs. x ½ oz., large upright enamel dial, steel construction throughout, beautifully nickel plated with a polished brass scoop, w't 2 lbs., each ..... **CAJ** $4.40

This scale is warranted to accurately compute the cost of any merchandise in money from 5 cents to 60 cents per lb.



No. A6 QUEEN—Large, white dial, with plain black figures, protected by glass and nickel plated rim, felt lining between two metal rims acts as a cushion for glass and also makes it dust proof, thus keeps the dial always clean and easy to read, body coppered and heavily nickel plated, steel claw with a large brass scoop, heavily nickel plated, strong and serviceable, an exceptional scale for weighing confectionery, capacity 6 lbs. x 1 oz., w't 4½ lbs. .....each **BFJ** $3.60



No. A5—Majestic, large white dial, welled over with transparent celluloid, body nickel plated throughout, steel claw and large solid brass scoop, heavily nickel plated, especially designed for show case, as it is very heavy and strong, handy for weighing candies, teas, coffees, tobaccos, etc., capacity 4 lbs. x ½ oz., w't 2¾ lbs. .....each **BJJ** $2.70



No. 80—Columbian, capacity 2 lbs. x ½ oz., adapted to weighing candy, spices, packages, letters, books, etc., steel construction and handsomely nickel plated throughout, with a one-piece nickel plated scoop, w't 1½ lbs., each ..... **BDJ** $3.35

This is a very useful scale, as it is adapted to postal or confectionery uses.





No. 551—Invincible, very sensitive and accurate for weighing teas, candies, spices, etc., dial has large plain figures welled over with celluloid, making it indestructible in cleaning, handsomely nickel plated, equipped with a large brass nickel plated scoop, capacity 2 lbs. x ½ oz., w't 30 oz., each .....**AEE** $2.10

ONE IN A BOX.



No. 002—Standard candy computing scale, capacity 2 lbs. x ½ oz., computes cost of merchandise from 10 cents to 60 cents, prevents error and waste, easiest reading computing scale made, having rates per lb. on indicator, body nickel plated, furnished with a large, highly polished nickled brass scoop, w't 2 lbs., each .....**BJJ** $2.60

ONE IN A BOX.

No. 280—White dial, with large black figures, protected by glass and nickel plated rim, body enameled in black and artistically decorated, base 9½x12½ in., white glazed tile platform 8x10 in., supported on double steel uprights, capacity 20 lbs., x 1 oz., w't boxed 17 lbs., each .....**EBJ** $7.20

ONE IN A BOX.

CONFECTIONERY AND POSTAL SCALES.

CONFECTIONERY.



No. 82-P—Vienna, capacity 4 lbs.x½ oz., steel frame and body, japanned in black, silver striped, nickel plated with nickel plated tin scoop, supported by two forked uprights, or standards, w't 2¼ lbs., each .....BDJ $4.00

A very handsome and popular scale.

ONE IN A BOX.

REVONOC CANDY AND POSTAL.



No. C5 REVONOC—Dial shows weight by ½ ounces, and indicates cost of postage, which makes it doubly desirable, beautifully nickel plated, furnished with brass scoop heavily nickel plated, very useful, being adapted to postal or confectionery uses, capacity 2 lbs.x½ oz., w't 30 oz., each .....AHJ $3.00

ONE IN A BOX.

REVONOC POSTAL.



No. 79 REVONOC—Precision, most mechanically perfect round dial scale, substantially built of steel, shows automatically the exact cost of postage in cents on all classes of mail matter up to 4 lbs. x ½ oz., dials made in white, with black and red figures protected by a transparent celluloid cover, index of a sword shape, and does not cover graduations on dial, heavy platform 4x4½ in., supported on double steel upright, beautifully finished in black enamel, capacity 4 lbs. x ½ oz., w't 2 lbs. .....each AHJ $3.00

ONE IN A BOX.



No. 116 REVONOC—Capacity 2 lbs. x ½ oz., best cold rolled steel construction, handsomely finished in black enamel, nickel trimmings, a positively accurate and scientifically perfect automatic scale, w't 20 oz., each .....JIE $1.60

No. 118 REVONOC—Capacity 1 lb. x ½ oz., otherwise same as No. 116 REVONOC, each .....JIE $1.60

The REVONOC scale indicates instantly the exact weight and cost of postage on all classes of mail sent to any part of United States, Canada, Mexico, Cuba, Philippine Islands and also foreign rates. The great idea of this scale is the slanting and extended dial which is in direct range of vision without stooping, also the upward moving indicator, the effective locking device on the regulating screw, and the finely tempered springs.

ONE IN A BOX.

PELOUZE POSTAL.



No. 77—Union, capacity 2½ lbs. x ½ oz., steel construction throughout, handsomely japanned in black, beautifully decorated, very accurate, weighs by ½ oz. for foreign postage, 6½ in. high, w't 1 lb., each .....BJJ $3.30



No. 76—National, capacity 4 lbs. x ½ oz., steel construction, beautifully nickel plated throughout, upright dial, weighs by ½ oz. for foreign postage, 7½ in. high, w't 1¼ lbs. each .....BDJ $4.00

Having a larger capacity for weighing purposes, these scales are adapted to offices. Accurate, sensitive and durable.

ONE IN A BOX.



For Library or Desk.

No. 60—Crescent, capacity 1 lb. x ½ oz., steel construction, beautifully nickel plated, strong spring, very accurate, 3 in. high, w't 4 oz., each JGJ $1.20

This scale computes the cost of postage instantly, in cents, on letters, books, packages, newspapers, etc. Very neat, attractive and serviceable.

ONE IN A BOX.

PARCEL POST SCALES AND RATE INDICATORS.



No. A-1 [illegible]—Automatically computes postage for different zones of mileage, large white dial 6 in. in diameter, with plain black figures covered with glass and nickel plated sash, felt lining which acts as a cushion for glass and also makes it dust proof, number of zones and mileage printed in red, shows weight on the dial by ounces up to 20 lbs. for family use, built of best cold rolled steel, enameled in blue, white glazed platform supported on double steel uprights, regulating device inside of frame in rear of scale, is sealed with a lid and cannot be tampered with, capacity 20 lbs.x1 oz., w't each 4½ lbs.....each **BDJ** $4.00



No. 20 [illegible]—Slanting dial, 6 in. diam., enameled in black, has computing chart complying with new regulations, automatically shows amounts for various zones, amounts shown in red, zones in black, sections on dial alternately shaded making amounts easily distinguished, shows weight in ounces up to 20 lbs., capacity 20 lbs., w't each 4½ lbs., each .....**AIJ** $3.20

A substantially built scale of the very best cold rolled steel. Has very heavy steel platform supported on double steel uprights. Regulating is on the inside of the scale in the rear. The interior is sealed with the lid which makes tampering out of the question.

ONE IN A PASTEBOARD BOX.



No. 1200 [illegible]—Hanging scale, has computing chart complying with the new regulations, shows amount of postage in different zones, red figures indicate amount of postage, sections of dial alternately shaded, making pounds easily distinguished, shows weight by ounces up to 20 lbs., substantially built of best cold rolled steel, beautifully enameled, regulating device at bottom fastened with a washer and cannot be tampered with, capacity 20 lbs. x 1 oz., w't each about 2½ lbs. .....each **AGJ** $2.80

These are identical with the Hanging Scales now in use by the Post Office Department. The most practical scale for commercial houses that have large sized packages; they may be weighed accurately as weight is suspended centrally.

ONE IN A PASTEBOARD BOX.

PARCELS POST RATE INDICATOR.



Stewart—1¾x4¼ in., brass, heavily nickeled, instructions concerning the eight different zones etched in brass, w't each 7 oz.....each **JIJ** $1.50

The Parcel Post Rate Indicator gives postage rates, for any weight package into any zone, instantly. No figuring, no wasted time, no mistakes, no overpaid postage.

Makes an attractive paper weight; will last a lifetime.

Should the parcels post rates change, a new figure-cylinder can be supplied at small cost.



All Steel Platform.

No. 110—Triner, every part high grade steel, black enameled, decorated in gold, beam and poise of solid brass highly polished and lacquered, 6 in. high, 12½ in. wide, 17½ in. long, platform 12½x14 in., beam shows weights to 20 lbs., hook weight used from 20 to 40 lbs., up to 100 lbs., celluloid computing chart is used, w't each 45 lbs., each .....**ADDJ** $24.00

The U. S. Post Office Department has equipped the entire Parcel Post Service with these scales. The beam is below the platform and directly in front of the operator. The beam is deeply notched, and the poise sits true in the notch and gives absolutely correct and quick weights at all divisions of the beam. The computing chart is easy to operate and can be changed by any one very easily and with absolute accuracy. After the weight of the package has been computed, the operator draws out the chart to the figure corresponding with the number of pounds and reads the amount in the column designated by the zone to which the package is to be shipped.

ONE IN A WOODEN BOX.

COUNTER SCALES AND SCALE BEAMS.

GROCERS' SCALES.



Heavy Nickel Double Brass Beams, Heavy Nickeled Brass Poises, Heavy Brass Scoop.

No. 510—Capacity 1 oz. to 250 lbs., platform 10½x13½ in., finished in black with gold trimmings, hardened English tool steel bearings throughout, w't each 60 lbs., each .....AEFJ $27.00

Beams turn on a swivel to either side so that markings and figures are always conveniently in the light. The beams are marked on both sides, upper in 1 oz. to 10 lbs., lower in ½ lb. to 40 lbs.

Comply with laws of various states.



Triple Brass Beams, Heavy Brass Sliding Poises, Brass Scoop.

No. 520—Capacity 110 lbs., platform 10½x13½ in., all pivots and bearings made of very best hardened tool steel finished in olive green with dark red and gold striping, w't each 65 lbs. .....each AIHJ $33.00

Beams are set at an angle of 45 degrees and are marked on both sides. The upper bar is marked in 1 oz. to 10 lbs., the middle and lower in ½ lb. to 50 lbs. Comply with laws of various states.

ONE IN A WOOD BOX.

HATCH'S COUNTER SCALES.



No. 01—Capacity 8 lbs. x ½ oz., iron base and frame, chilled iron bearings, japanned black, with heavy tin scoop and weights, w't 30 lbs., each .....BBJ $2.50

ONE IN A CASE.

COUNTER SCALES.



Solid Brass Beam, Brass Sliding Poise, Heavy Brass Scoop.

No. 13—Single beam, capacity ½ oz. to 240 lbs., finished in Pompeian red with green striping edged with gold, hardened English tool steel, bearings througout, w't each 45 lbs. .....each JFFJ $13.00

Comply with laws of various states.



Heavy Brass Beam, Brass Sliding Poise, Tin Scoop.

No. 3—Single beam, capacity ½ oz., to 240 lbs., finished in vermilion striped with black and gold etching, best hardened tool steel bearings throughout, w't each 44 lbs., each .....JEJE $10.00

Comply with laws of various states. A well finished and durable scale in every respect.

ONE IN A WOOD BOX.

FAIRBANKS' PLATFORM COUNTER SCALES.



No. 1216—Capacity 300 lbs. x ¼ oz., single beam, platform 13½x19½ in., shipping w't 120 lbs., each .....AFDJ $24.00

No. 01216—Double beam, otherwise same as No. 1216 .....each AIAE $28.00

Fairbanks' platform counter scales are suitable for use on a counter or low platform, for weighing silk and other fine goods.

Comply with laws of various states.

COMPUTING SCALES.

Candy.



No. 4—Superb, a fine wire on sliding indicator poise shows cost in cents of merchandise from 5c to 60c per lb., capacity 2 lbs. x ½ oz., adjustable beam, all bearings and pivots of tempered steel and absolutely guaranteed, all metal mountings, including scoop, nickel plated, w't each 2 lbs., each .....JGBJ $12.00

The beam can be turned to any angle. Comply with laws of various states.

MARKET SCALES.



Base and Frame of Iron, Neatly Japanned in Black, Striped in Red and Gold, 11¼x14¼ Inch Marble Slab, 7 Inch Glass Covered Double Dials, with Nickel Plated Sash.

No. 33—Capacity 32 lbs. x 1 oz., w't 45 lbs. .....each AJBJ $16.75

No. 43—Capacity 64 lbs. x 2 oz., w't 46 lbs. .....each AJEJ $18.00

ONE IN A CASE.

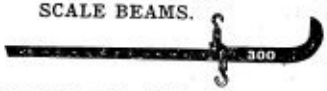
TEA SCALES.



No. 161—Capacity 4 lbs. x ½ oz., iron base and frame, chilled iron bearings, japanned black, with ivory tin scoop and weights, w't 11 lbs., each .....JHJ $1.00

THREE IN A CASE.

SCALE BEAMS.



Japanned, with Gold Figures and Stripes.				
Pounds	150	200	250	300
W't, lbs.	8	10	14	16
Each	$1.50	1.60	1.90	2.10
	AAJ	AAE	ACE	AEJ
Pounds	400	500	600	
W't, lbs.	22	28	32	
Each	$2.90	3.50	4.00	
	BAJ	BEJ	BIJ	

ONE-HALF DOZEN IN A BOX.

FAIRBANKS' STANDARD SCALES.

GROCERS' EVEN BALANCE TRIP.



Iron Base and Frame, Brass Beam, Iron Plate and Weights, Very Strong.

Tin Scoop, Black Japanned.

Nos.	708	707	706
Full cap., lbs.	2	6	10
Beam cap., oz.	8x¼	16x¼	16x¼
W't, lbs.	16	26	42
Each	$6.00	7.75	10.00
	DAJ	DDJ	JFHE

Nos.	705	922
Full capacity, lbs.	16	25
Beam capacity, oz.	16x¼	32x¼
W't, lbs.	63	99
Each	$12.75	20.75
	JHGJ	ADAE

Brass Scoop, Red Japanned.

Nos.	716	715	714
Full cap., lbs.	2	6	10
Beam cap., oz.	8x¼	16x¼	16x¼
W't, lbs.	16	26	42
Each	$7.00	8.75	11.00
	DHJ	FJJ	JGEJ

Nos.	713	924
Full capacity, lbs.	16	25
Beam capacity, oz.	16x¼	32x¼
W't lbs.	63	99
Each	$14.25	23.25
	JIGE	AEIJ

ONE IN A CASE.

UNION.



Iron Base and Platform, Maroon Baked Enamel, Brass Beam, with Deep Graduations, Scoop Supported by a Four Pronged Fork, with Poise and Weights, Capacity 240 lbs.

No. 500—Single beam, with tin scoop, w't 56 lbs. .....each **JIEE** $14.00

No. 502—Single beam, with brass scoop, w't 56 lbs. .....each **AJBE** $15.00

No. 504—Double beam, with tin scoop, w't 57 lbs. .....each **AJBE** $15.00

No. 506—Double beam, with brass scoop, w't 57 lbs. .....each **AJIE** $16.00

ONE IN A CASE.

IMPERIAL GROCERS'.



Frame and Base of Iron, Double Brass Beam, Heavily Nickel Plated, Upper Bar 15 lbs. x 1 oz., Lower Bar 50 lbs. x ½ lbs., Capacity 250 lbs. x 1 oz., Platform 12x15 in., with Scoop, Japanned in Maroon.

No. 505—Large tin scoop, w't 82 lbs., each .....**APDJ** $24.00

No. 507—Large brass scoop, w't 82 lbs., each .....**AGAJ** $25.00

No. 509—Large seamless tin scoop., w't 82 lbs. .....each **AGAJ** $25.00

No. 511—Large seamless brass scoop, w't 82 lbs. .....each **AHDE** $27.00

ONE IN A CASE.

BUTTER COUNTER.



Iron Base, Brass Beam, Porcelain Plate, Maroon Baked Enamel, with Poise, Balance and Weights.

No. 564—Single beam, capacity 23 lbs. x ½ oz., beam 5 lbs. x ½ oz., w't 39 lbs., each .....**JGAE** $10.50

No. 566—Double beam, capacity 23 lbs. x ½ oz., beam 5 lbs. x ½ oz., w't 42 lbs., each .....**JGHE** $11.50

These scales are adapted to grocery and delicatessen stores.

ONE IN A CASE.

INVINCIBLE GROCERS'.



Iron Base and Frame, Double Brass Beam with Sliding Brass Poise, AGATE BEARINGS, Automatic Scoop Balance, Suspension Bearing 15x12 in. Platform, Elegantly Finished in Maroon, Suitably Ornamented, with Heavy Seamless Brass Scoop, all Brass Parts Nickel Plated.

No. 501—Capacity 250 lbs. x 1 oz., complete with weights, scoop and automatic scoop balance attachment, w't 136 lbs. .....each **BCIE** $35.00

The automatic scoop balance attachment eliminates all chances for errors through the removal of the scoop.

ONE IN A CASE.

PACKAGE OR POSTAL.



No. 605—Capacity 4 lbs. x 1 oz., iron base and frame, brass beam and sliding poise, w't 17 lbs...each **EDE** $8.00

These scales are adapted to weighing letters, packages, books, etc., from the smallest unit upwards.

ONE IN A CASE.

EXPRESS PACKAGE.



Full Capacity Beam for Rapid Weighing.

No. 532—Capacity 55 lbs. x 1 oz., platform 10½x12 in., finished in maroon, well ornamented, shipping w't 42 lbs., each .....**AJBE** $15.00

ONE IN A CASE.

These scales are made to conform to the weights and measure laws and requirements of the various states and are guaranteed to be accurate at the time of sale.

SCALES.

FULL CAPACITY BEAM PLATFORM SCALE.



Full Capacity Brass Beams, Sliding Brass Poises, No Loose Weights, Hardened English Tool Steel Bearings Throughout, Top Bar Graduated by ½ lbs., Lower by 100 lbs., Upper Poise has Set Screw, Lower has Steel Dog Arrangement, Notched Beam, Elegant Ultramarine Blue and Gold Finish.

Nos	960	961
Capacity, lbs.	600	1000
Platform, in.	16x25	17x26
W't lbs.	165	175
Each	$33.00	42.00
	AIHJ	BDJJ

PORTABLE PLATFORM.



Solid Brass Beam, Sliding Brass Poise, Hardened Tool Steel Bearings, Azure Blue Finish, Single or Double Beam.

Single Beam.

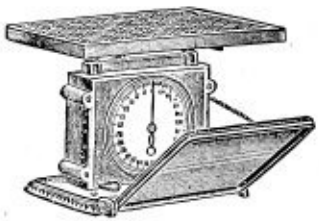
Nos.	1720	1722	1724
Capacity, lbs..	400	500	600
Platform, in...	15x21	15x21	16x25
W't, lbs.	140	150	160
Each	$26.00	28.00	32.00
	AEFJ	AFHJ	AIBJ

Single Beam.

Nos.	1726	1728	1730
Capacity, lbs..	800	1000	1200
Platform, in...	17x26	19½x27	20x28
W't, lbs.	175	190	210
Each	$37.00	41.00	46.00
	BBBJ	BDFJ	BGFJ

Add for Double Beam ..... CJJ $5.00

PERSONAL SCALES.



No. 31 REVERE—Height 11 in., platform 7½x11½ in., capacity 270 lbs., pure white enameled finish oven baked, heavy parts of high-grade castings, springs of tempered steel, dial 4⅝ in. distinctly marked, ball bearings throughout, w't each boxed 30 lbs., each ..... **JIJJ** $15.00

The operation is very simple, as computations are noted by glancing into mirror which reflects the movement of the indicator on the dial. The mirror is hung from the scale at the exact angle by nickeled chains and may be folded up after using scale. Made for instantaneous weighing in hospitals, physicians' offices and private homes. It is compact and requires little floor space.

ONE IN A BOX.

These scales are made to conform to the weights and measures laws and requirements of the various states and are guaranteed to be accurate at the time of sale.

PHYSICIANS' OR BATH ROOM SCALES.



No. 100 .

The has no loose weights, all computing being done on the brass beams which are marked on both sides so that the weight may be noted from either side. The can be furnished with or without the telescope measuring rod which is attached to the pillar by two nickel plated clamps with invisible joints.

The REVERE has a single beam and loose weights, and is furnished only with the measuring rod. The materials used in this scale are a trifle lighter than the .

The and REVERE Physician's and Bath Room Scales are built of the very best material throughout, and are finished in the most artistic and pleasing designs. Very handy scales for the Hospital, Sanitarium, Office or Home. Especially useful in bathrooms to obtain true personal weight without clothing. This is in all cases desirable, and in many cases of medical treatment absolutely necessary in order to note accurately and frequently any slight change in weight. They are guaranteed to be absolutely correct in every detail.

No. 100 —Capacity 300 lbs., all shown on beams, platform 12x15½ in., height over all 58 in., finished in white with best quality heavily nickel plated brass fittings throughout, w't each 85 lbs.,
each, with measuring rod..... **BGFE** $49.00
each, without measuring rod..... **BDAE** 42.00

No. 115 —Capacity 300 lbs., shown on beams, platform 10½x13½ in., height over all 59 in., w't each 80 lbs., finish same as No. 100 ,
each, with measuring rod ..... **BCJJ** $40.00
Rubber Platform Mats, for above..... each **JFJ** $1.00

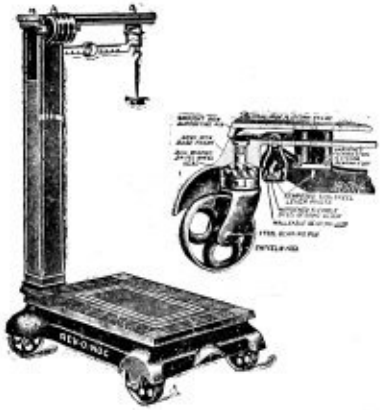
No. 125 REVERE—Capacity 300 lbs., platform 11x14 in., height over all 54 in., w't 80 lbs., finished in white and gold, nickel plated brass fitted throughout..... each **AEEJ** $27.00
Furnished only with measuring rod.



No. 125 REVERE.

SCALES.

PORTABLE PLATFORM.



RIVIOR

Single Nickel Plated Brass Beam and Sliding Poise with Set Screw, Woodwork Mahogany Finish, Neatly Striped, Iron-work Black, Flexible Steel Bearings, with Nickel Plated Pillar Cap Nuts, Mounted on Wheels.

Nos.	6	8	10	12
Capacity, lbs.	600	800	1000	1200
Platform, in.	16½x22	16½x24	17x24½	17½x25
W't, lbs.	145	165	175	195
Each	$18.00	19.50	21.00	25.00
	ABJJ	ABFJ	ACFJ	AECJ

Nos. 6 and 8 graduated up to 50 lbs. on the beam, and Nos. 10 and 12 graduated up to 100 lbs. on the beam.

The two swivel or caster wheels on the front or beam end of scale are supported on ball-bearing swivel head. The stationary rear wheels are supported on steel axle that runs clear through under frame. All wheels are enclosed within the base frame, protecting them from dirt and obstructions, and adding greatly to strength and appearance.

Fitted with hardened flexible lever bearing loops and platform bearing feet.

By use of this novel swivel wheel construction the operator is able to move the scale in any direction with the utmost ease.

PORTABLE PLATFORM. "IL-A-NOY."



Carefully Graduated Beam of Solid Brass, with Square Brass Sliding Poise Beam and Lever Pivots of Tempered Tool Steel Ground to a Knife Edge, Platform Supported on Levers by Chilled Bearing Feet.

Nos.	600	800
Capacity, lbs.	600	800
Platform, in.	16½x22	16½x24
W't, lbs.	149	160
Each	$15.50	17.00
	AJHJ	AADJ
Nos.	**1000**	**1200**
Capacity, lbs.	1000	1200
Platform, in.	17x24½	17½x25
W't, lbs.	161	165
Each	$19.00	21.50
	ABCJ	ACIJ

The wheels are enclosed within the scale base, and are supported on steel axles running clear through under frame. The axles are secured in base by hexagon nuts on outside of base frame.

The main frame, platform and levers are made of smooth gray iron, of ample weight and strength, all iron parts being finished in black japan. The pillar and pillar cap are of hard wood, attractively painted blue and striped.

PORTABLE PLATFORM.



Brass Beam and Sliding Poise, with Weights and Balance, Steel Bearings' Mounted on Wheels.

No. M105—Capacity 600 lbs., platform 16x22½ in., w't 155 lbs., each ..... AJIBJ $13.00

No. M108—Capacity 800 lbs., platform 17x23 in., w't 160 lbs., each ..... AJJJ $14.50

No. M110—Capacity 1000 lbs., platform 16x26 in., w't 170 lbs., each ..... AJCE $18.00

Extra Weights, Black Japanned for Portable Platform Scales.

Pounds	50	100	200
Each	$0.50	.60	.70
	BE	BE	CJ

DOUBLE COLUMN DORMANT.



Two Iron Pillars, Single or Double Beam, English Tool Steel Bearings Throughout.

Single Beam,

Nos.	1040	1041	1042
Capacity, lbs.	3000	3500	5000
Platform, in.	37x47	42x44	48x48
W't, lbs.	832	872	1332
Each	$110.00	125.00	150.00
	JGACJ	JHAJJ	JIGJJ

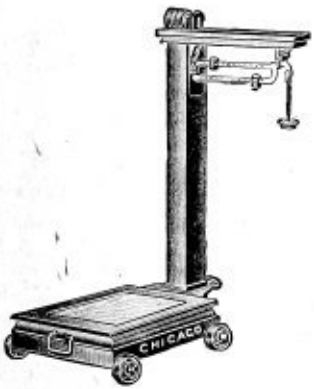
Double Beam,

Nos.	2040	2041	2042
Each	$117.00	133.00	160.00
	JGEHE	JHFBJ	AJCGJ

The Dormant Scale has been designed especially for warehouses, shipping rooms, factories, or any place where a platform level with the floor is desirable.

SCALES.

PLATFORM SCALES.



Single or Double Brass Beam, English Tool Steel Bearings Throughout, Finished in Ultra Marine Blue with Gold Striping.

Single Beam, Nos.	1721	1723	1725
Capacity, lbs..	400	500	600
Platform, in...	15x21	15x21	16x25
W't, lbs.	140	150	160
Each	$24.00	26.00	30.00
	ACHJ	ADIE	AGBE

Double Beam, Nos.	2721	2723	2725
Each	$28.00	30.00	34.00
	AFAJ	AGBE	AIEE

Single Beam, Nos.	1727	1729	1731
Capacity, lbs..	800	1000	1200
Platform, in...	17x26	19½x27	20x28
W't, lbs.	175	180	240
Each	$35.00	39.00	44.00
	BJAE	BBDE	BECJ

Double Beam, Nos.	2727	2729	2731
Each	$39.00	43.00	49.00
	BBDE	BDGE	BHBJ

Single Beam, Nos.	1733	1735	1737
Capacity, lbs..	1600	2000	2500
Platform, in...	23x30	24x32	24x32
W't, lbs.	340	395	440
Each	$50.00	68.00	75.00
	BHGE	CIAJ	DCAE

Double Beam, Nos.	2733	2735	2737
Each	$55.00	73.00	80.00
	CAFE	DCHJ	DFJJ

400 TO 800 LB. CAPACITY GRADUATED 50 LBS. X ¼ LB. ON BEAM, 1000 TO 2500 LBS. X ½ LB.

These scales are made to comply with all laws on weights and measures in the various states, and are guaranteed to be absolutely accurate.

HAY OR STOCK SCALES.

CE%.



Solid Lever Type.

Capacity, Tons	Platform, Inches	Nos., Single Beam	Nos., Double Beam	Nos., Compound Beam
3★	7x13	1101 $65.00	2101 70.00	3101 75.00
4★	7x14	1102 $70.00	2102 75.00	3102 80.00
4★	7½x14	1103 $85.00	2103 90.00	3103 95.00
4★	8x14	1104 $95.00	2104 100.00	3104 105.00
5★	8x14	1105 $100.00	2105 110.00	3105 115.00
6★	8x16	1106 $180.00	2106 190.00	3106 210.00
6★	8x22	1107 $200.00	2107 210.00	3107 230.00
8★	8x16	1108 $190.00	2108 200.00	3108 220.00
8★	8x22	1109 $210.00	2109 220.00	3109 240.00
10★	8x16	1110 $190.00	2110 225.00	3110 245.00
10★	8x22	1111 $220.00	2111 240.00	3111 260.00

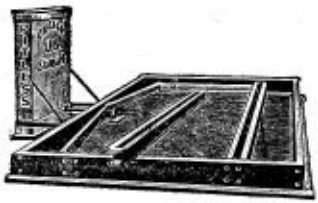
The CVB Hay or Stock Scales require less space than any other first class scale made. The stringers are hung to the heavy steel bearings by steel stirrups which does away with all friction and the dulling of the knife edges. The CVB are made to hang in either wood or steel frames, however steel is strongly recommended. Prices given above are exclusive of platform, planking and foundation, but includes office fixtures or beam box as desired.

PRICE DO NOT INCLUDE STEEL FRAMES.

PRICES ON STEEL FRAMES SENT ON APPLICATION.

★FOR FACTORY SHIPMENT ONLY.

STOCK SCALES.



Capacity 5 Tons, Platform 8x14 Ft., Approximate W't Including Steel Frame 1650 Lbs.

No. 1123—Single beam, each★ ..... JGIFE $135.00

No. 2123—Double beam, each★ ..... JHEEE 145.00

No. 3123—Compound beam, each★ ..... JHHEJ 150.00

Equipped with a solid channel steel frame, heavy construction throughout, multiplying lever rests on a foot so that there is no spring when the load comes on; platforms are suspended by means of swinging clevises which give motion without friction or wear on the fulcrums, loops or clevises are solid cast steel, highly tempered; beams are made of solid brass and designed for durability as well as appearance.

FAIRBANKS' STANDARD SCALES.

PORTABLE PLATFORM.



Single Brass Beam, Sliding Brass Poise with Set Screw, Steel Bearings, Mounted on Wheels.

Nos.	1130	1128	1126
Capacity, lbs..	400	600	800
Platform, in, ...	16x22	16x25	18x27
W't lbs.	165	185	195
Each	$26.00	33.00	38.00
	ADCJ	AHAE	BJIJ
Nos.	**1124**	**1122**	**1120**
Capacity, lbs..	1000	1200	1500
Platform, in....	18x27	20x28	22x31
W't, lbs.	190	270	315
Each	$43.00	49.00	56.00
	BCFE	BIFE	CCIJ
Nos.		**1118**	**1116**
Capacity, lbs.		2000	2500
Platform, in.		25x33	25.34
W't, lbs.		385	450
Each		$75.00	85.00
		DEDJ	EADJ

PORTABLE PLATFORM.



Single Brass Beam, Sliding Brass Poise with Set Screw, Drop Lever, Platform and Upright Rigidly Braced by Iron Braces, Mounted on Heavy Wheels.

Nos.	1174	1172	1170
Capacity, lbs..	1000	1200	1500
Platfrom, in....	18x27	20x28	22x31
W't, lbs.	230	290	330
Each	$51.00	59.00	70.00
	CJHE	CEGJ	DBCE
Nos.		**1168**	**1166**
Capacity, lbs.		2000	2500
Platform, in.		25x32	25x34
W't, lbs.		415	470
Each		$82.00	94.00
		DIFJ	EFIJ

DORMANT WAREHOUSE.

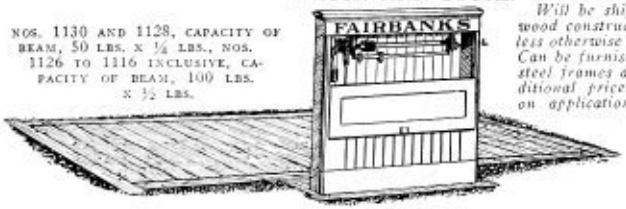


Two Iron Pillars, Brass Beams with Sliding Brass Poises, Neatly Ornamented.

Nos.	1050	1048
Capacity, lbs.	2500	3500
Platform, in.	47x37	42x44
W't, lbs.	775	890
Single Beam, each..	$105.00	125.00
	JFHHJ	JHAIJ
Double Beam, each.	$113.00	133.00
	JGDJE	JHGAE
Nos.	**1052**	**1046**
Capacity, lbs.	3500	5000
Platform, in.	42x44	48x49
W't, lbs.	895	1220
Single Beam, each..	$133.00	170.00
	JHGAE	AAADJ
Double Beam, each.	$143.00	180.00
	JICGJ	AAGIE

Perfectly constructed in every particular. Pillars are of the Doric pattern and are very strong. Bearings are of steel, beam and poises of brass, platform is of iron and wood. Very sensitive and accurate. Adapted to warehouse and coal yards.

WAGON AND STOCK.



NOS. 1130 AND 1128, CAPACITY OF BEAM, 50 LBS. X ¼ LBS., NOS. 1126 TO 1116 INCLUSIVE, CAPACITY OF BEAM, 100 LBS. X ½ LBS.

Will be shipped for wood construction unless otherwise ordered. Can be furnished with steel frames at an additional price. Price on application.

The sizes of platforms of these scales may be varied somewhat from the above dimensions, and without adding to the cost of the irons. All of the above prices are exclusive of the cost of timber and foundation, which is to be paid by purchaser.

Brass Beams Fitted with Brass Sliding Poise, Steel Bearings Throughout, Steel Levers, Beam Box Neatly Painted and Lettered, Pit Pattern.

No.	Capacity, Tons.	Size of Platform.	Platform Edge to Beam Rod.	W't, lbs.	Single Beam, each.		Double Beam, each.		Compound Beam, each.	
1801	15	22 ft.' x10 ft.	2 ft. 5 in.	1643	BHDCJJ	$470.00	BICJJ	$485.00	CJBJJ	$500.00
1822	20	22 ft. x 7 ft. 11 in.	3 ft. 1 in.	2150	CCJJJ	545.00	CCIJJ	560.00	CDHJJ	575.00
1824	15	22 ft. x 7 ft. 11 in.	3 ft. 1 in.	1643	BEDJJ	420.00	BFCJJ	435.00	BGBJJ	450.00
1838	15	22 ft. x 7 ft. 3 in.	3 ft. 10 in.	1648	BEDJJ	420.00	BFCJJ	435.00	BGBJJ	450.00
1829	10	22 ft. x 7 ft. 11 in.	3 ft. 1 in.	1334	BAHJJ	360.00	BBGJJ	375.00	BCEJJ	390.00
1843	10	22 ft. x 7 ft. 3 in.	3 ft. 10 in.	1243	BABJJ	350.00	BBAJJ	365.00	BCJJJ	380.00
1845	8	22 ft. x 7 ft. 3 in.	3 ft. 10 in.	1253	AHIJJ	315.00	BJIJJ	330.00	BJIJJ	345.00
2101	6	22 ft. x 8 ft.	2 ft. 9 in.	1050	AEIJJ	265.00	AFHJJ	280.00	AGIJJ	295.00
1924	15	16 ft. x 7 ft. 10 in.	2 ft. 1 in.	1240	BCDJJ	390.00	BDCJJ	405.00	BEDJJ	420.00
1928	10	16 ft. x 7 ft. 10 in.	2 ft. 1 in.	1042	AHJJJ	300.00	AHIJJ	315.00	BJJJJ	330.00
1930	8	16 ft. x 7 ft. 10 in.	2 ft. 1 in.	1015	AFEJJ	275.00	AGEJJ	290.00	AHEJJ	305.00
1922	20	14 ft. x 8 ft. 4 in.	2 ft. 1 in.	1750	BGBJJ	450.00	BHAJJ	465.00	BIJJJ	480.00
1926	12	14 ft. x 8 ft. 4 in.	2 ft. 1 in.	1190	AIBJJ	320.00	BJAJJ	335.00	BABJJ	350.00
1928	10	14 ft. x 8 ft. 5 in.	2 ft. 1 in.	1042	AHJJJ	300.00	AHIJJ	315.00	BJJJJ	330.00
1930	8	14 ft. x 8 ft. 5 in.	2 ft. 1 in.	1015	AFEJJ	275.00	ADGJJ	290.00	AHEJJ	305.00
2110	6	14 ft. x 8 ft.	2 ft. 3 in.	806	ACEJJ	225.00	ADDJJ	240.00	AEDJJ	255.00
2112	5	14 ft. x 8 ft.	2 ft. 3 in.	732	ABFJJ	200.00	ABFJJ	210.00	ACCJJ	220.00
2114	4	14 ft. x 8 ft.	2 ft. 3 in.	580	AJBJJ	170.00	AJHJJ	180.00	AAEJJ	190.00

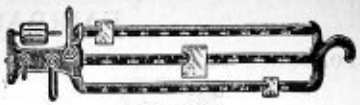
ABOVE PRICES APPLY TO NO OTHER NUMBERS OF FAIRBANKS' SCALES, NOR DO THEY APPLY IN KILOS.

These scales are made to conform to the weights and measures laws and requirements of the various states and are guaranteed to be accurate at the time of the sale.

WAGON SCALES.

IL-A-NOY PITLESS.





Triple Beam.

In the Il-a- noy Steel Pitless Wagon Scale we have adopted the direct steel lever construction which embodies many of the valuable features of a high grade Pit Wagon Scale, with the improvements and advantages of a Pitless Scale.

Frame—Made with heavy steel channel end sills connected by tubular steel cross pieces secured at each corner by strong gray iron brackets which hold in place the heavy hardened loops that support the steel levers in scale frame.
Scale Levers—A single piece of T shaped rolled steel, the two long levers being trussed with heavy steel bars making them perfectly rigid.
Stringers—Heavy steel I beams used, which support platform planks, provision being made for fastening planks to I beams.
Pivot Bearings—Throughout the entire scale are made from best tool steel carefully tempered and ground to a knife edge, insuring sensitiveness.
Brass Beam—Three bar, solid, combination, graduated to full capacity of scale and fitted with brass sliding poises.
Beam Pivots—Are of the best tool steel carefully tempered, each one being secured in beam by hard friction steels.
I Beams—Are made of heavy steel supported on the steel levers in frame of scale by carefully chilled bearing feet that rest on tempered tool steel pivots in scale levers. N. B.—They are held in place on levers by tubular steel cross pieces.
Levers—Are of heavy T steel, supported at each corner of scale frame by heavy hardened loops hung over the corner brackets and trussed.
Beam Box—Selected one-inch tongue and groove lumber, painted, provided with lock and key, heavy molded top.
Guarantee—Sealed to U. S. standard weights and against defective workmanship and material.
Shipping—Each scale is carefully boxed and crated for shipment with complete printed directions for setting up and installing. Purchaser is required to furnish only the platform planks and nailing strips.

No. 104—4 tons 8x14 ft. platform, triple beam, shipping w't 1160 lbs.★ .....each **JFIFJ** $112.00
No. 105—5 tons 8x14 ft. platform, triple beam, shipping w't 1160 lbs.★ .....each **JGADJ** 118.00

SUBURB PITLESS.





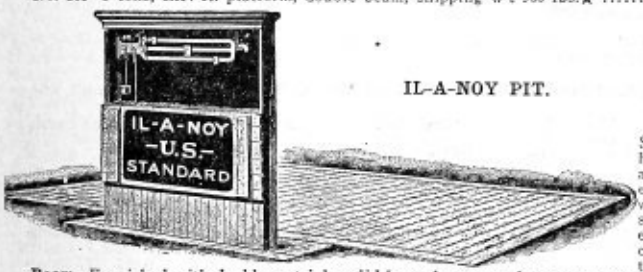
Double Beam.

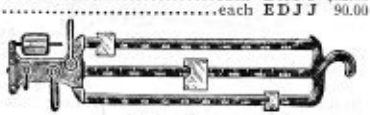
Our "Suburb" Pitless Wagon and Stock Scale with solid double brass beam, is well constructed in every particular and suitable for ordinary use, being provided with full capacity double brass beam fitted with brass sliding poises.

Levers—Made from T shaped rolled steel and supported in frame of scale by tubular steel cross pieces, which hold wood end sills in place, and trussed.
Platform Stringers—Made from heavy steel I beams, and supported on levers by carefully chilled bearing feet.
Beam and Lever Pivots—Throughout the scale are of heavy tool steel ground to a knife edge and carefully hardened, thus insuring sensitiveness, accuracy and durability to all parts of scale where the wear and strain is greatest.
Beam Box—Is made of good materials, well painted and provided with lock and key.
Guarantee—Sealed to U. S. Standard Weights and against defective material and workmanship.
Shipping—Carefully crated and boxed for shipment with full printed instructions for setting up and installing. Furnished with two steel I beam stringers. Purchaser is required to furnish only platform planks, two wood end sills 8 ft. by 10 in. wide by 3 in. thick, and nailing strips.
The printed instructions show and describe how all wood parts are cut and how foundation should be constructed.

No. 204—4 tons, 8x14 ft. platform, double beam, shipping w't 900 lbs.★ .....each **EAFJ** $82.00
No. 205—5 tons, 8x14 ft. platform, double beam, shipping w't 900 lbs.★ .....each **EDJJ** 90.00

IL-A-NOY PIT.





Triple Beam.

Il-a-noy Trussed Steel Lever Pit Wagon Scale is a high grade weighing machine and has man exclusive improvements not found in any other type of pit wagon scale. The scale excels in quality of materials used, accuracy in weighing, and is built to withstand the heaviest strain. It is intended for coal and grain dealers, manufacturers and others who use a scale constantly under all condtions and require them to stand under any test.

Beam—Furnished with double or triple solid brass beams graduated to full capacity of scale, fitted with brass sliding poises.
Levers—Made from rolled T shaped steel, each being strongly trussed.
Bearings—Throughout the scale are of best tool steel carefully tempered and ground to a knife edge.
Guarantee—Il-a-noy Trussed Steel Lever Pit Wagon Scales are made from high grade materials throughout by skilled scale mecahnics and guaranteed to be sealed to U. S. Standard Weights and against defective material or workmanship.
Shipping—Scale is carefully boxed and crated complete with building plans for setting up and installing. Purchaser is required to furnish platform planks and timbers for stringers and pit foundation sills. Building plans give bill of lumber required and how each piece is cut.

	DOUBLE BEAM.			TRIPLE BEAM.	
3 tons, 8x14 ft. platform, shipping w't 650 lbs., each	No. 2183	DDDJ	$72.00★	No. 3183	EBHJ $86.00★
4 tons, 8x14 ft. platform, shipping w't 650 lbs., each	No. 2184	DIBJ	80.00★	No. 3184	EGJJ 92.00★
5 tons, 8x14 ft. platform, shipping w't 650 lbs., each	No. 2185	ECAJ	86.00★	No. 3185	FJFJ 98.00★
6 tons, 8x14 ft. platform, shipping w't 660 lbs., each	No. 2186	FJJJ	98.00★	No. 3186	JFHDJ 110.00★
8 tons, 8x14 ft. platform, shipping w't 660 lbs., each	No. 2188	JFHDJ	110.00★	No. 3188	JGFBJ 123.00★
10 tons, 8x14 ft. platform, shipping w't 660 lbs., each	No. 2310	JGEFJ	123.00★	No. 3310	JIABJ 148.00★

The six, eight and ten-ton scales are provided with jug weights for capacity over five tons.
★FOR FACTORY SHIPMENT ONLY, F. O. B. DETROIT, MICH.

OUR VERY BEST
OVB
H.S.B. & Co.
REV-O-NOC

BUILDERS' HARDWARE

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

H.S.B. & Co.
REV-O-NOC
OUR VERY BEST
OVB

PADLOCKS.



No. 200 —2 in. hard cast bronze case, highly polished, self-locking bronze metal spring shackle, brass and bronze inside mechanism, pin tumblers, positive lock, 2 German silver heavy corrugated keys, unlimited changes, w't per doz. 6 lbs., per dozen .....**AFHJ** $28.00

No. 200½ —Keyed alike, otherwise same as No. 200 , per dozen .....**AFHJ** $28.00

No. M200 —With master key, otherwise same as No. 200 , per dozen★ .....**BJDJ** $32.00



No. 100 —2 in., cast bronze case and shackle, polished, locks both ends of shackle, 4 levers inside, works bronze and brass, 2 ribbed steel brass plated keys, 12 changes, w't per doz. 5½ lbs. .....per dozen **JFFJ** $12.00

No. 100 —More than 12 changes, per dozen★ .....**JIJJ** $14.00

No. M100 —Master keyed, 144 changes★ ....per dozen **AADJ** $17.00

No. 100½ —Keyed alike, otherwise same as No. 100 , per dozen .....**JFFJ** $12.00

No. 100-C —Same as No. 100 , but with chain, w't per doz. 6 lbs. .....per dozen **JHCJ** $14.00

ONE-HALF DOZEN IN A BOX.



No. 25—2 in. black enameled steel case and black enameled spring shackle, 6 secure levers, 2 double bitted keys, 12 changes, w't per doz. 5 lbs., per dozen .....**BJJ** $4.00

ONE DOZEN IN A BOX.



No. 150 —2 in., cast bronze case and shackle, polished, locking mechanism locks both ends of shackle, 6 levers, inside works all bronze and brass, 2 heavy ribbed coined keys, 144 changes, w't per doz. 6 lbs., per dozen .....**JFFJ** $12.00

No. M150 —Master keyed, per dozen .....**AADJ** $18.00

No. 150½ —Keyed alike, otherwise same as No. 150 , per dozen .....**JFFJ** $12.00

No. 150-C —With chain, w't per doz. 6½ lbs., otherwise same as No. 150 , per doz. **JGHJ** $14.00

No. 150½-C —Keyed alike, otherwise same as No. 150-C per dozen .....**JGHJ** $14.00



No. 811—Cruso, 2⅛ in. highly polished solid cast brass case, brass key cylinder, heavy nickel plated steel automatic shackle, 2 heavy flat steel keys, with positive stop, locking mechanism locks both sides of shackle, 6 changes, w't per doz. 9 lbs., per dozen .....**BDJ** $5.00

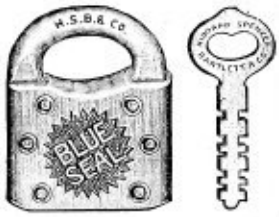
No. 811½—Keyed alike, otherwise same as No. 811 .....per dozen **BDJ** $5.00

No. 811C—Cruso, with 9 in. chain, w't per doz. 10 lbs., otherwise same as No. 811 .....per dozen **CFJ** $6.50

ONE-HALF DOZEN IN A BOX, ALL DIFFERENT.



No. 700. No. 705.



No. 710.

No. 700—"Gold Seal," 1½ in., cast brass, "brand" in gold, nickel plated, compressed, malleable iron shackle, two nickel plated steel keys, 6 changes to the dozen, w't per doz. 3½ lbs., per dozen .....**BAE** $4.00

No. 705—"Red Seal," 1⅝ in., "brand" in red, w't per doz. 3¾ lbs., otherwise same as No. 700, per dozen .....**BDJ** $4.50

No. 710—"Blue Seal," 1⅞ in., "brand" in blue, w't per doz. 4 lbs., otherwise same as No. 700, per doz. **BIJ** $5.00

ONE DOZEN IN A BOX.



No. 1. No. 10.

No. 1—Champion, 2¼ in., polished cast bronze metal case, self-locking, 6 levers, brass inside mechanism, phosphor bronze springs, 2 nickel plated steel keys, 12 changes, w't per doz. 6 lbs., per dozen .....**JGBE** $11.40

No. 10—Champion, with tinned steel chain, w't per doz. 7 lbs., otherwise same as No. 1, per doz. **JHEJ** $14.40

★*FOR FACTORY SHIPMENT ONLY.*

PADLOCKS.



No. 300—2 in., japanned steel case, brass plated malleable iron shackle, 2 nickel plated steel keys, w't per doz. 2⅞ lbs., per dozen .....**J I E** $1.70

ONE-HALF DOZEN IN A BOX.



Steel Case, Enameled Black, Self-Locking, Nickel Plated Spring Shackle, Revolving Key Hub, Two Flat Steel Keys.

No. 16—1⅞ in., 6 changes, w't per doz. 1 lb. .....per dozen **A J E** $1.50

No. 18—1¼ in., 6 changes, w't per doz. 1½ lbs. .....per dozen **A A J** $1.80

No. 19—1¼ in., 6 changes, w't per doz. 2⅛ lbs. .....per dozen **A D E** $2.40

No. 21—2 in., 12 changes, w't per doz. 2¾ lbs. .....per dozen **A F E** $3.00

No. 18B—Case and shackle brass plated, otherwise same as No. 18, per dozen .....**A A J** $2.16

No. 19B—Case and shackle brass plated, otherwise same as No. 19, per dozen .....**A D E** $3.00

No. 21B—Case and shackle brass plated, otherwise same as No. 21, per dozen .....**A F E** $3.60



No. 1200—1½ in., polished cast brass, spring shackle, self-locking, 2 flat steel keys, w't per doz. 3 lbs., per dozen .....**A B J** $1.60

ONE DOZEN IN A BOX.



No. 535—Bruin, 1⅞ in., wrought steel case, brass plated steel spring shackle, 2 flat steel keys, 3 changes, w't per doz. 1¼ lbs. ....per dozen **J I J** $1.60

ONE DOZEN IN A BOX.



No. 870—1⅞ in., japanned steel case, nickel plated malleable shackle, 2 nickel plated flat steel keys, 6 changes, w't per doz. 2⅝ lbs., per dozen .....**J I J** $1.60

ONE DOZEN IN A BOX.



No. 640—York, 1½ in. black enameled pressed steel case, self-locking, spring malleable iron, nickeled shackle, brass key stud, 2 nickeled steel keys, 5 changes, w't per doz. 2¼ lbs., per dozen .....**J I J** $1.50



No. 650—Greek, 1½ in. black enameled pressed steel case, self-locking, spring malleable iron nickeled shackle, with rigid key center and 2 drilled barrel keys, 5 changes, w't per doz. 2½ lbs., per dozen .....**A J J** $1.80



Polished Wrought Brass.

No. 2B—¾ in., w't per doz. ¾ lb., per dozen .....**A C J** $2.20

No. 3B—1 in., fine tumbler, w't per doz. ⅞ lb. .....per dozen **A E E** $2.30

NO. 2B, TWO DOZEN; NO. 3B ONE DOZEN IN A BOX.



No. 660—Griffin, 2 in. japanned pressed steel case, self-locking, spring nickel plated shackle, brass key bushing, 2 keyed, 6 changes, w't per doz. 3 lbs., per dozen .....**J I E** $2.00

No. 665—Griffin, 2 in. brass plated, 6 changes, w't per doz. 3 lbs., otherwise same as No. 660, per dozen .....**J I E** $2.00

ONE DOZEN IN A BOX.



No. 670—Griffin, 2 in. japanned pressed steel case, self-locking, spring nickel plated shackle, 2 drilled barrel keys, rigid key center, 6 changes, w't per doz. 3¼ lbs. ....per dozen **A D E** $2.30

No. 675—Griffin, 2 in., brass plated, 6 changes, w't per doz. 3¼ lbs., otherwise same as No. 670, per dozen .....**A D E** $2.30

ONE DOZEN IN A BOX.



No. 1960—1¼ in., brass plated steel case, self-locking, spring shackle, 2 secure levers, 3 wards, 2 nickel plated flat steel keys, 12 changes, w't per doz. 1½ lbs. .....per dozen **A B J** $2.50

ONE-HALF DOZEN IN A BOX.

PADLOCKS.



Self-Locking, Polished Wrought Brass, Lacquered Spring Shackle, Flat Steel Key.

No. 4016—1 in., 4 changes, w't per doz. ¾ lb. .....per dozen **AIJ** $2.80

No. 4018—1¼ in., 5 changes, w't per doz. 1 lb. .....per dozen **BAE** $3.00

ONE DOZEN IN A BOX.



No. 400—"R. F. D.," 1½ in., polished wrought brass, lacquered, spring shackle, self-locking, 2 flat steel keys, 12 changes, 1 master key to each dozen, w't per doz. 1½ lbs., per dozen .....**BDJ** $4.00

Designed for the rural free delivery service.

ONE DOZEN IN A BOX.



No. 02434—2⅛ in. brass plated steel case and shackle, 6 levers, 12 changes, 2 double bitted drilled keys, w't per doz. 4½ lbs. .....per dozen **BCJ** $4.00

No. 2435—2⅛ in. japanned steel case, brass plated spring shackle, 6 levers, 12 changes, 2 double bitted drilled keys, w't per doz. 4½ lbs., per dozen .....**BCJ** $4.00



No. 02444—2 in. brass plated steel case and shackle, 6 levers, 12 changes, 2 double bitted drilled keys, w't per doz. 5 1-6 lbs. .....per dozen **BDJ** $4.00

No. 2445—2 in. Japanned steel case, brass plated spring shackle, 6 levers, 12 changes, 2 double bitted drilled keys, w't per doz. 5 1-6 lbs., per dozen .....**BDJ** $4.00



No. 500—"R. F. D.," 1⅝ in., heavy polished brass case, galvanized steel nickled spring shackle, heavy slotted key cylinder, drain passage, lock cannot freeze up, 2 corrugated individual keys, 1 master key with each dozen, 12 changes, w't per doz. 4 lbs., per dozen .....**BDJ** $4.50

Designed for the rural free delivery service.

ONE IN A BOX; ONE DOZEN IN A CARTON.



No. S510—Guard, 1⅝ in. heavy polished brass case, galvanized steel, nickeled spring shackle, heavy slotted key cylinder, 2 corrugated keys, 12 changes, w't per doz. 4 lbs., per dozen .....**BDJ** $4.00

ONE DOZEN IN A BOX.



No. 04372—2 in., satin finish, wrought brass case, nickel plated steel spring shackle, 2 flat steel keys, six changes, w't per doz. 4¼ lbs., per dozen .....**BCJ** $4.00

ONE DOZEN IN A BOX.



No. 03330—2 in. brass plated steel case and shackle, 2 lever tumblers and 3 wards, shackle locked at both heel and toe, 2 drilled steel keys, 12 changes, w't per doz. 4½ lbs., per dozen .....**BDJ** $4.50



No. 02230—2 in. brass plated steel case and shackle, 2 lever tumblers and 3 wards, shackle locked at both heel and toe, 2 flat steel keys, 12 changes, w't per doz. 4½ lbs., per dozen .....**BDJ** $4.50

PADLOCKS.



No. 1914—2 in. japanned steel case, brass plated, heavy steel, swing shackle, corrugated brass key bushing, 2 nickel plated steel corrugated keys, 6 changes, w't per doz. 4½ lbs., per dozen .....**BDJ** $4.50

ONE-HALF DOZEN IN A BOX.



No. 815—Motor, 1¾ in., polished cast bronze case and shackle, bronze works, 2 nickel plated milled steel keys, lever locking mechanism, smooth and easy action, w't per doz. 2½ lbs. .....per dozen **BDJ** $4.50

ONE-HALF DOZEN IN A BOX.



No. 214—1½ in., polished cast brass case, self-locking, spring shackle, 2 nickel plated flat steel keys, 6 changes, w't per doz. 2½ lbs., per dozen .....**BDJ** $3.75

No. 221—1⅜ in., w't per doz. 4 lbs., otherwise same as No. 214, per dozen .....**CFJ** $5.50

NOS. 16, 18, 19, 18B, 19B, ONE DOZEN IN A BOX; BALANCE, ONE-HALF DOZEN IN A BOX.



No. 197—Miller, 1¾ in., cast brass case, high polish relief, cast brass shackle, high polish finish, shackle locked securely at both ends, interior part of brass, excellent security, constructed for severe service, 2 flat nickeled heavy steel milled keys, 12 changes, w't per doz. 3½ lbs., per dozen .....**CFJ** $6.00

No. 217—Miller, 2 in., w't per doz. 4½ lbs., otherwise same as No. 197, per dozen .....**DCE** $7.20



No. 750—2¼ in. enameled steel case, brass trimmed, brass plated, malleable iron shackle, slotted key cylinder, 2 nickeled corrugated steel keys, 12 changes, w't per doz. 5 lbs., per dozen .....**CHJ** $6.50

ONE-HALF DOZEN IN A BOX.



No. 895—2 in., steel case, chemical black finish, self-locking, polished steel spring shackle, 6 levers, brass inside mechanism and revolving key hub, 2 flat steel keys, innumerable changes, w't per doz. 4 lbs., per dozen .....**DJJ** $7.50



No. 4402—2 in. wrought steel case, ivory black finish, self-locking, spring shackle, secured, 4 levers, revolving key hub, 2 flat steel keys, 12 changes, w't per doz. 3 lbs., per dozen .....**CJJ** $4.50



No. 4010—2 in., polished wrought steel case, self-locking, spring shackle, 6 secure levers, 2 double bitted keys, 12 changes, w't per doz. 5 lbs., per dozen .....**AIJ** $5.50

No. 4012—2 in., brass plated wrought steel case, self-locking, spring shackle, 6 secure levers, 2 double bitted flat bow keys, 12 changes, w't per doz. 5 lbs. .....per dozen **BJJ** $6.00

NO 4010, ONE DOZEN; NO. 4012, ONE-HALF DOZEN IN A BOX.



No. 6840—2 in., wrought steel case, antique silver finish, self-locking, heavy polished brass spring shackle, brass rivets and inside mechanism, brass revolving key hub, 4 levers, 2 flat steel keys, 24 changes, w't per doz. 5 lbs. ....per dozen **JDIJ** $11.00

PADLOCKS.



No. 4406—2 in., rustless iron case, bronze shackle, pin tumbler mechanism, 2 German silver keys, no two alike, w't per doz. 8 lbs., per dozen ..... **JIBE** $21.85

No. 4406C—With 9 in. chain, otherwise same as No. 4406, per dozen ..... **AJEE** $24.85

ONE-HALF DOZEN IN A BOX.



No. 4187—1½ in., rustless steel case, self-locking, steel spring shackle, pin tumbler mechanism, brass works, 2 German silver corrugated keys, no two alike, w't per doz. 4½ lbs., per dozen ..... **JHEJ** $14.00

Master keyed★ per dozen **AJEE** 19.00

No. 04187—Brass case and shackle, otherwise same as No. 4187, per dozen ..... **AJJJ** $16.80

Master keyed★ per dozen **ABBE** 22.00

No. 4809—2 in., rustless steel case, otherwise same as No. 4187, per dozen ..... **JIBE** $18.00

Master keyed★ per dozen **ABGE** 23.00

No. 04809—Brass case, otherwise same as No. 4809.... per dozen **AJHE** $22.00
Master keyed★ per dozen **ACBJ** 26.00

ONE IN A BOX.



Self-Locking Bronze Shackle, Cast Bronze Case, Two Gold Plated German Silver Keys.

No. 04249—1 in., three secure lever, 48 changes, w't per doz. 2 lbs., per dozen ..... **JHFJ** $20.00

No. 04255—1½ in., 48 changes, w't per doz. 4 lbs., three secure levers, per dozen ..... **AJEE** $25.00

No. 04263—2 in., 144 changes, 4 secure levers, w't per doz. 7 lbs., per dozen ..... **ABIE** $31.00

No. 04263-C—With 9 in. chain, 144 changes, 4 secure levers, w't per doz. 8 lbs. .....per dozen **ADHJ** $35.20

No. 04267—2½ in., 144 changes, 4 secure levers, w't per doz. 8¼ lbs., per dozen ..... **AEHE** $38.50



No. 04108—2 in. all brass, satin finish case, buffed brass spring shackle, 6 secure levers, 2 nickel plated flat steel keys and revolving brass hub, 12 changes in every dozen, w't per doz. 4¼ lbs. .....per dozen **EAJ** $8.00

ONE-HALF DOZEN IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*



No. 4405—1½ in., rustless iron case, self-locking bronze shackle, bronze works, pin tumbler mechanism, 2 nickel plated flat steel keys, all different, w't per doz. 4 lbs., per dozen ..... **JGFJ** $17.90

No. 4407—2 in., w't per doz. 8 lbs., otherwise same as No. 4405, per dozen ..... **JGFJ** $17.90

No. 4407C—With 9 in. chain, otherwise same as No. 4407, per dozen ..... **JHHE** $20.00

ONE-HALF DOZEN IN A BOX.



No. 04281—1½ in. extruded metal padlocks, all polished brass, solid, without a seam or joint, pin tumbler mechanism, self-locking bronze shackle, 2 German silver corrugated keys, no two alike, w't per doz. 5½ lbs. .....per dozen **ABHJ** $25.00
Master keyed★ per dozen **AEHE** 30.00

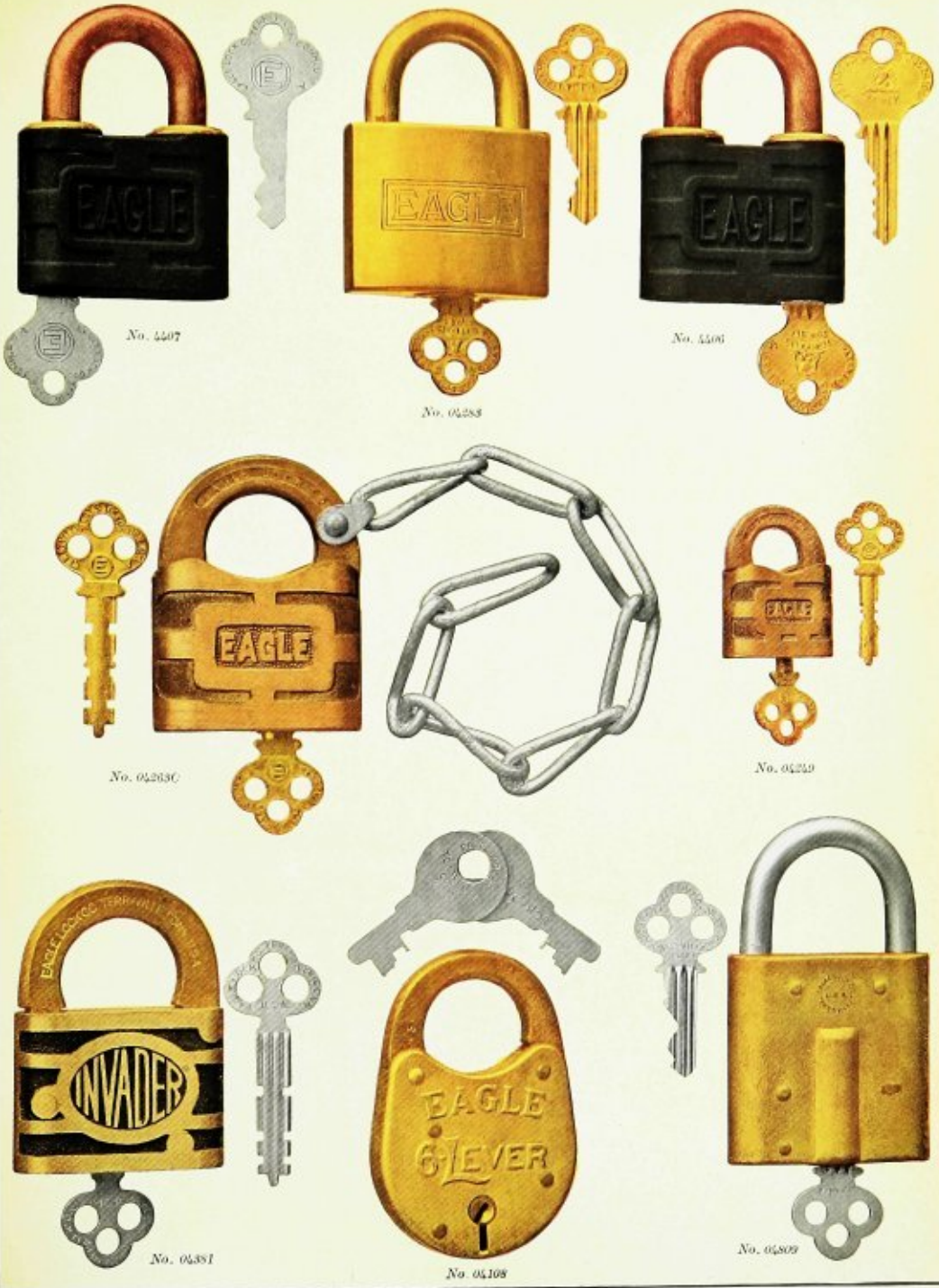
No. 04282—1¼ in., w't per doz. 5 lbs., otherwise same as No. 04281, per dozen ..... **AEEE** $32.50
Master keyed★ per dozen **AHGE** 37.50

No. 04283—2 in., w't per doz. 10 lbs., otherwise same as No. 04281, per dozen ..... **AIHJ** $36.00
Master keyed★ per dozen **BBGE** 42.00

ONE IN A BOX.



No. 04381—2 in., cast brass, polished finish, self-locking, spring shackle, 2 nickel plated corrugated keys, six changes, w't per doz. 4¾ lbs., per dozen ..... **DHJ** $7.50

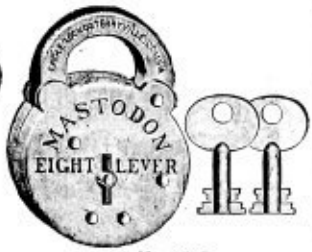


For prices and descriptions see page 307.

PADLOCKS.



No. 4415.



No. 1945.

No. 4415—2 in., cast iron case, barff finish, bronze plated steel shackle, 2 nickel plated flat steel keys, 6 changes, w't per doz. 10 lbs. .....**CGJ** $7.95

No. 1945—2½ in., brass plated wrought steel case, self-locking, spring shackle, 8 secure levers, 2 double bitted flat bow keys, 12 changes, w't per doz. 9 lbs., per dozen **BEJ** $5.00

ONE DOZEN IN A BOX.



No. 2424-AC — 2½ in., heavy steel case, antique coppered, 8 secure levers, locking both ends of shackle, unlimited changes, 2 nickel plated malleable drilled keys, per dozen ..$8.00 **DHJ**

KEYLESS PADLOCKS.





No. 5-A—Keyless, 2 in., japanned steel case, coppered steel shackle, all different combinations, w't per doz. 4¾ lbs., per dozen .....**JGBJ** $12.50

Easy to operate, very secure and accurate, rustless and impervious to water, weather and wear. The ideal padlock. No bothersome key to carry. Locks numbered and combination recorded at factory. Combination and full directions with each lock.

ONE IN A BOX.

No. M34—Standard Time, can be opened by sight, touch or sound, 2 in. japanned steel case, japanned inside and outside, nickel plated brass dial and knob, brass works, all different combinations, w't per doz. 5½ lbs., per dozen .....**AJAJ** $18.00

Combinations are all recorded at factory; number stamp on shackle is their record number.

ONE-HALF DOZEN IN A DISPLAY CARTON; ONE IN A BOX.



No. 79.

No. 79—2⅝ in., cast brass case, self-locking, spring shackle, spring drop, 2 brass keys, with chain, 12 changes, w't per doz. 5½ lbs. .....per dozen **JFCE** $12.00

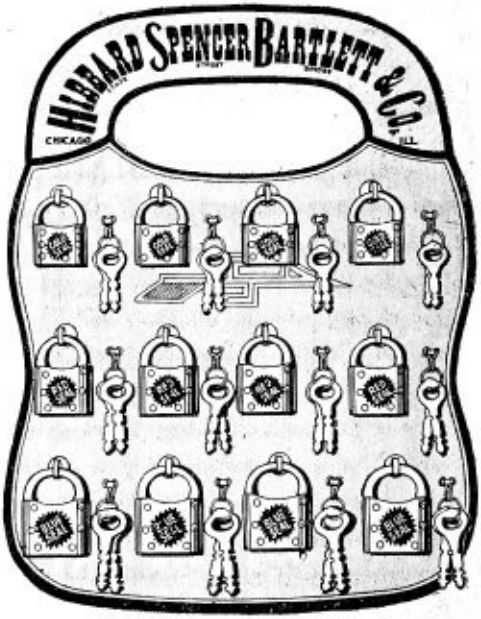
No. 79½—Keys all alike, w't per doz. 5½ lbs., otherwise same as No. 79 .....per dozen **JFCE** $12.00

No. 89—2½ in., switch lock, rough cast brass, w't per doz. 7 lbs., otherwise same as No. 79.....per dozen **JHGE** $16.00

No. 89½—2½ in., switch lock, rough cast brass, keys all alike, w't per doz. 7 lbs., otherwise same as No. 79, per dozen .....**JHGE** $16.00

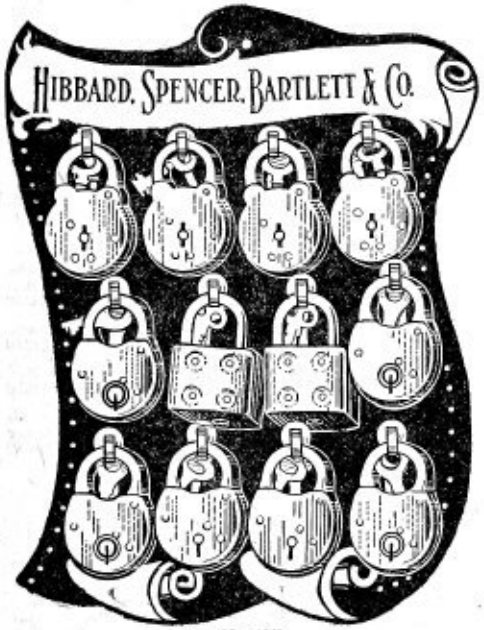
ONE-HALF DOZEN IN A BOX.

CARD ASSORTMENTS.



No. 1700—Seal assortment, consisting of 4 each Nos. 700, 705, and 710 "Seal" padlocks, 1½, 1⅝ and 1⅞ in. cast brass cases, "brands in gold, red and blue," heavy nickel plated, malleable iron shackle, two nickel plated steel keys, six changes to the dozen, on heavy 16x12¾ easel back card, w't per card 4½ lbs. .....per card **BDJ** $4.50

CARD ASSORTMENTS.



No. 1560.



No. 1580.



No. 1590.

No. 1560—Assortment, consisting of four 2 in., six lever brass plated padlocks with double bitted barrel keys, four No.02230 brass plated padlocks, two No. 03330 plated padlocks, and two No. 1914 brass plated padlocks, all on card with keys securely fastened, card 11x16 in., w't per ass't 5½ lbs., per card ..... **BDJ** $4.00

ONE CARD IN A BOX.

No. 1580—Assortment contains ¼ doz. 2½ in. padlocks, brass plated, ¼ doz. 2½ in. padlocks, japanned, ¼ doz. 2½ in. padlocks, antique coppered, ½ doz. 2½ in. padlocks, assorted colors, size of card 15x11½ in., w't per ass't 5 1-6 lbs., per card ..... **BDJ** $4.00

ONE CARD IN A BOX.

No. 1590—Assortment contains ½ doz. 2 in. padlocks, brass plated, ½ doz. 2 in. padlocks, japanned, 1-6 doz. 2 in. padlocks, antique coppered, size of card 15x11½ in., w't per assortment, 5¾ lbs. ..... per card **BDJ** $4.00

ONE CARD IN A BOX.

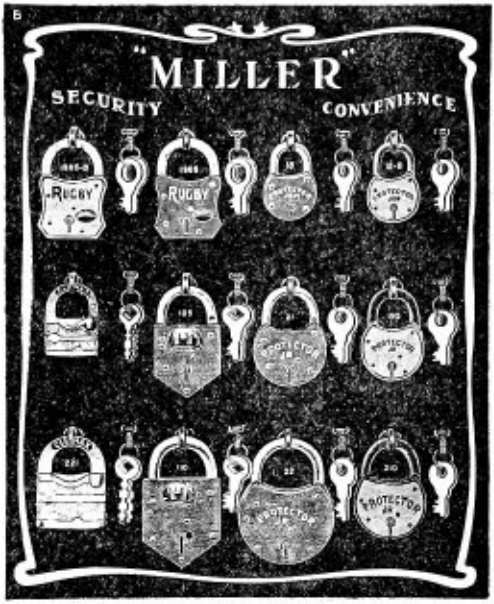


No. 1505.



No. 1550.

PADLOCK ASSORTMENTS.



No. 1500.

No. 1505 Assortment—Consisting of twelve 1½ in. padlocks, Rugby pattern, four of each japanned, old copper and brass plated, steel cases, self locking, spring shackles, flat steel keys, and brass revolving key hubs, on heavy ornamental card 13x16 in., w't per ass't 3 lbs.....per card **AAJ** $2.25

No. 1500 Assortment—Consisting of 12 padlocks, one each 1½ and 2 in. polished brass cases, three 2 in. and one each 1¼, 2¼ and 2½ in. japanned steel cases, one each 1½ and 2 in. brass plated steel cases, one each 1¼ and 2 in. wrought brass cases, all have flat steel keys, and with exception of brass padlocks have brass revolving key hubs, self locking spring shackles, on heavy ornamental card 13x16 in., w't per ass't 3½ lbs. .....per card **BAE** $4.00

No. 1550 Assortment—Consisting of twelve 2 in. padlocks, four are japanned wrought steel cases, four are brass plated, four are plain, six padlocks have brass plated steel barrel keys, six have flat steel keys, on heavy ornamental card 11x17 in., w't per ass't 4½ lbs.....per card **BDJ** $4.50

PADLOCK ASSORTMENTS.

GRIP FULL OF PADLOCKS.



No. 1570—Assortment, consisting of two each Nos. 700, 705 and 710 "Seal" Padlocks, 1½, 1⅝ and 1⅝ in. cast brass cases, brands in gold, red and blue, heavy nickel plated malleable iron shackles, two No. 815 "Motor" Padlocks, 1⅝ in. cast bronze case, shackle and works, two "Oak" Padlocks 2 in., wrought brass case and tinned malleable shackle, and two "Box" Padlocks, like No. 811 Cruso on page 306 but 1⅝ in., all on a heavy seal colored card, 12x16½ in. with easel back, keys on back of card, w't per card 3½ lbs. .....per card **BGJ** $5.00

Six of these padlocks are 25 cent sellers and six are 35 cent sellers.

ONE CARD IN A BOX.

CORBIN PADLOCK DISPLAY CABINET.



No. 800-C — Steel, finished in green and gold, size of cabinet, 12¼ in. high, 12¼ in. wide, 7½ in. deep, w't per assortment 26 lbs., per assortment **JGEJ** $12.50

Shelves inside to accommodate locks furnished in assortment.

Assortment consists of

Retail Price Each.		Retail Price Each.	
7-12 doz.	No. 2804½	3½ doz.	No. 2802½ $0.15
7-12 doz.	No. 2888½ .10	3½ doz.	No. 2901½ .15
7-12 doz.	No. 2975½ .10	1½ doz.	No. 925½ .25
7-12 doz.	No. 2890½ .10	1½ doz.	No. 2932½ .25
1½ doz.	No. 2956½ .15	1½ doz.	No. 5830½ .25
1½ doz.	No. 2015½-B .15	1½ doz.	No. 2987½ .25

5 dozen in all, one each of which is mounted on face of cabinet.

EAGLE PADLOCK DISPLAY CABINET.



No. 24501, per assortment .....**AEJJ** $25.00
No. 24502, per assortment.....**BEBJ** 42.00

ONE CABINET IN A CASE.

Retail Price List of Eagle Padlock Display.

Assortment No. 24501.	Retails.	Each.
7 Locks, No. 4078	$0.10	$0.70
7 Locks, No. 4346½	.10	.70
7 Locks, No. 4346	.10	.70
7 Locks, No. 4078½	.10	.70
4 Locks, No. 4237	.15	.60
4 Locks, No. 4180½	.15	.60
4 Locks, No. 4180	.15	.60
4 Locks, No. 4237½	.15	.60
4 Locks, No. 4305½	.25	1.00
4 Locks, No. 4303	.25	1.00
4 Locks, No. 4303½	.25	1.00
4 Locks, No. 4305	.25	1.00
4 Locks, No. 4127½	.25	1.00
7 Locks, No. 4238	.25	1.75
7 Locks, No. 4349½	.25	1.75
4 Locks, No. 4159	.25	1.00
2 Locks, No. 04010½	.50	1.00
2 Locks, No. 04112	.50	1.00
2 Locks, No. 04381	.50	1.00
2 Locks, No. 4108	.50	1.00
		$18.70

7½ dozen Padlocks, the retail value of which is $18.70.

Assortment No. 24502.	Retails.	Each.
13 Locks, No. 4078	$0.10	1.30
13 Locks, No. 4346½	.10	1.30
13 Locks, No. 4346	.10	1.30
13 Locks, No. 4078½	.10	1.30
7 Locks, No. 4237	.15	1.05
7 Locks, No. 4180½	.15	1.05
7 Locks, No. 4180	.15	1.05
7 Locks, No. 4237½	.15	1.05
7 Locks, No. 4305½	.25	1.75
7 Locks, No. 4303	.25	1.75
7 Locks, No. 4303½	.25	1.75
7 Locks, No. 4305	.25	1.75
7 Locks, No. 4127½	.25	1.75
13 Locks, No. 4238	.25	3.25
13 Locks, No. 4349½	.25	3.25
7 Locks, No. 4159	.25	1.75
4 Locks, No. 04010½	.50	2.00
3 Locks, No. 04112	.50	1.50
4 Locks, No. 04381	.50	2.00
3 Locks, No. 04108	.50	1.50
		$33.40

13½ dozen Padlocks, the retail value of which is $33.40.

One lock of each style is mounted on the front of the cabinet. Place them where they can be seen and they will sell themselves.

Size of cabinet, 19 in. high, 16 in. wide and 11½ in deep.

	Asst. No. 24501.	Asst. No. 24502.
Weight of one cabinet and contents.....	42½	55½ lbs.
Weight of one cabinet and contents in wooden case.....	85	
Weight of crate and contents, 4 cabinets.....	188	
Weight of locks for one cabinet.....	24½	42
Measurement of crate.....	35 x26x22	in.
Measurement of wooden case.....	28½x18x13½	in.

PADLOCK ASSORTMENT.

REVOLVING DISPLAY CASE AND PADLOCK ASSORTMENT.



No. 24550—Revolving steel case, 14x9x9 in. with wood shelving, light, strong and durable, base of heavy cast iron, all gilt with red stripes and black letters, w't per assortment 36 lbs., each number of padlock in separate box, price card for selling purposes packed with each case, samples all in one box and each tagged with number, sample ten cent locks in upper row of both sides, 15 cent locks in middle row, and 25 cent locks in lower row.
per assortment ..... **JGBJ** $15.00

Assortment consists of—		Retail Price Each.	
7-12 dozen No.	4166	$0.10	$0.70
7-12 dozen No.	4202	.10	.70
7-12 dozen No.	4202½	.10	.70
7-12 dozen No.	4078¼	.10	.70
1-3 dozen No.	4167	.15	.60
1-3 dozen No.	4418	.15	.60
1-3 dozen No.	4418¼	.15	.60
1-3 dozen No.	4167¼	.15	.60
1-3 dozen No.	4095	.25	1.00
1-3 dozen No.	4234	.25	1.00
1-3 dozen No.	4234¼	.25	1.00
1-3 dozen No.	4158¼	.25	1.00
5 dozen Locks		Retail Value	$9.20

SAFETY PADLOCK STAPLES.

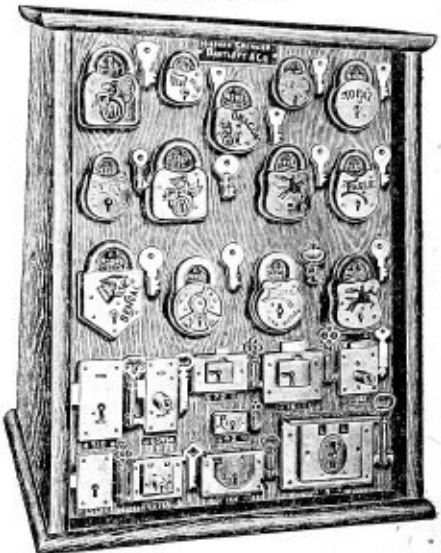


Coppered Steel Wire, Diameter ¾ Inch.

Size, in.	2½	3	4	5	6
Per dozen	$0.90	1.00	1.20	1.40	1.60
	DJ	JEJ	JFJ	JGJ	JHE

Makes a padlock doubly secure.
ONE DOZEN IN A BOX.

COMBINATION LOCK ASSORTMENT AND STOCK CASE.



No. 1013—Highly finished oak display board and cabinet, 19x16x11½ in., w't 73¾ lbs., 10 cabinet locks—5¼ doz.—and 13 padlocks—7 7-12 doz—per ass't and cabinet **BDJ J** $40.00

First Row 10c Padlocks.	Second Row, 15c Padlocks.	Third Row, 25c Padlocks.
7-12 doz. No. 4168.	7-12 doz. No. 4352.	7-12 doz. No. 4304¼.
7-12 doz. No. 4346¼.	7-12 doz. No. 4238¼.	7-12 doz. No. 04065.
7-12 doz. No. 4202.	7-12 doz. No. 4418.	7-12 doz. No. 4234¼.
7-12 doz. No. 4412.	7-12 doz. No. 4181¼.	7-12 doz. No. 04305.
7-12 doz. No. 4098¼.		

Fourth Row, Cabinet Locks.	Fifth Row, Cabinet Locks.
7-12 doz. No. 510 Wardrobe.	1 1-12 doz. No. 2265 Wardrobe.
4-12 doz. No. 6098 Wardrobe.	4-12 doz. No. 02126½ Chest.
7-12 doz. No. 72 Till.	7-12 doz. No. 47 Chest.
7-12 doz. No. 161 Till.	7-12 doz. No. 166 Chest.
4-12 doz. No. 01848 Drawer.	4-12 doz. No. 9 Chest.

RETAIL PRICE LIST.

Quantity Dozen.	Number.		Retail price Each.	Retail Value.
7-12	4412	Padlocks	$0.10	$0.70
7-12	4346¼	Padlocks	.10	.70
7-12	4202	Padlocks	.10	.70
7-12	4098¼	Padlocks	.10	.70
7-12	4168	Padlocks	.10	.70
7-12	4238¼	Padlocks	.15	1.05
7-12	4418	Padlocks	.15	1.05
7-12	4181¼	Padlocks	.15	1.05
7-12	4352	Padlocks	.15	1.05
7-12	4234¼	Padlocks	.25	1.75
7-12	4304¼	Padlocks	.25	1.75
7-12	04305	Padlocks	.25	1.75
7-12	04065	Bright Brass	.25	1.75
7-12	161x12	Cabinet Lock	.15	1.05
7-12	72x12	Cabinet Lock	.10	.70
4-12	01848	Cabinet Lock	.35	1.40
4-12	6098	Cabinet Lock	.65	2.60
1 1-12	2265	Cabinet Lock	.10	1.30
7-12	510	Cabinet Lock	.10	.70
7-12	42	Cabinet Lock	.10	.70
4-12	02126½	Cabinet Lock	.65	2.60
4-12	9	Cabinet Lock	.65	2.60
7-12	166	Cabinet Lock	.25	1.75
Total				$30.10

One lock of each style is mounted on the front of the cabinet. Place them where they can be seen and they will sell themselves.

BACK SPRING TILL LOCKS AND DRAWER LOCKS.

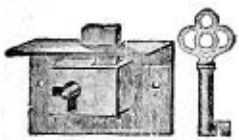
BACK SPRING TILL LOCKS.



No. 46—1½x1¼ in., brass, wrought bolt, ⅞ in. from selvedge to key pin, w't per doz. ½ lb., per dozen **FE** $0.75

No. 33—1¼x1¼ in., brass, wrought bolt, ⅝ in. from selvedge to key pin, w't per doz. ½ lb., per dozen **HE** $0.95

No. 36—2x1½ in., brass, 1 ward, wrought bolt, ⅝ in. from selvedge to key pin, w't per doz. 1 lb., per doz. **JIJ** $1.00



No. 72—2¼x1½ in., iron, cast bolt, ⅝ in. from selvedge to key pin, w't per doz. 1 lb. .....per dozen **FJ** $0.66

No. 68—2¼x1½ in., brass, cast bolt, ⅝ in. from selvedge to key pin, w't per doz. 1 lb. ..per dozen **AJJ** $1.10



No. 423—2¼x1¼ in., iron, ⅞ in. from selvedge to key pin, fancy bow key, w't per doz. 1 lb., per doz. **FE** $0.72

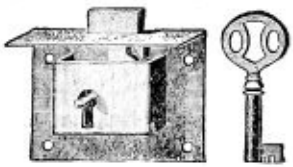
No. 161—2½x2 in., iron, broad bolt, 1 ward, ⅜ in. from selvedge to key pin, w't per doz. 2 lbs., per dozen .....**AJE** $1.15



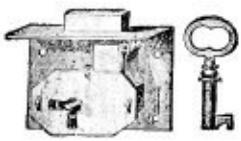
No. 81—2½x1½ in., iron, 1 ward, ¾ in. from selvedge to key pin, w't per doz. 1½ lbs. .....per dozen **AAJ** $1.20

ONE DOZEN IN A BOX.

BACK SPRING TILL LOCKS.



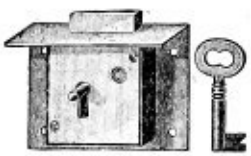
No. 48—2¾x2 in., iron, 1 ward, polished selvedge, ⅞ in. from selvedge to key pin, w't per doz. 2 lbs., per dozen .....**AJJ** $1.12



No. 303—2x1½ in., brass, tumbler and ward, broad bolt, 1⅛ in. from selvedge to key pin, fancy bow key, w't per doz. 1½ lbs., per doz. **BBJ** $2.50

ONE DOZEN IN A BOX.

DRAWER LOCKS.



No. 454—2x1½ in., iron, square selvedge, solid square box, screwed, 2 secure levers, ¾ in. from selvedge to key pin, fine flat bow key, 12 changes, w't per doz. 1½ lbs., per dozen .....**BFB** $1.00

No. 237—2½x2 in., iron, square selvedge, solid square box, screwed, broad heavy bolt, 2 secure levers, ⅞ in. from selvedge to key pin, fine flat bow key, 12 changes, w't per doz. 2 lbs. .....per dozen **BIJ** $3.25

CHARGES FOR SPECIAL WORK ON CABINET LOCKS.

Charges for Making Keyed Alike.

1 only	lock to special key change	$0.35
2 only	locks alike.....net for lot	.35
3 only	locks alike.....net for lot	.45
4 only	locks alike.....net for lot	.45
5 only	locks alike.....net for lot	.60
6 only	locks alike.....net for lot	.60
7 only	locks alike.....net for lot	.75
8 only	locks alike.....net for lot	.75
9 only	locks alike.....net for lot	.75
10 only	locks alike.....net for lot	1.00
11 only	locks alike.....net for lot	1.00
12 only	locks alike.....net for lot	1.00
1 to 3 doz.	alike.....dozen net	1.00
1 to 4 doz.	alike.....dozen net	.85
4 to 5 doz.	alike.....dozen net	.75
5 to 6 doz.	alike.....dozen net	.60
6 doz. or over	alike....dozen net	.50
12 doz. or over	alike...no extra charge	

THE CHARGES FOR MAKING FOR A SPECIAL THICKNESS OF WOOD ARE AS FOLLOWS—

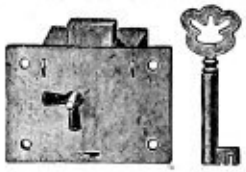
Special Lengths of Tube Up to 1½ Inch Wood.

1	only.....net	$0.35
2	only.....net	.45
3	only.....net	.45
4	only.....net	.45
5	only.....net	.60
6	only.....net	.60
7	only.....net	.75
8	only.....net	.75
9	only.....net	.75
10	only.....net	1.00
11	only.....net	1.00
12	only.....net	1.00
1 to 3	doz.....dozen net	1.00
3 to 4	doz.....dozen net	.85
4 to 5	doz.....dozen net	.75
5 to 6	doz.....dozen net	.60
6 doz.	or over.....dozen net	.50
12 doz.	or over.....no extra charge	

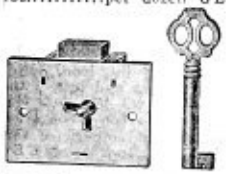
Special Lengths of Tube Over 1½ Inch Wood.

1	only.....net	$0.50
2	only.....net	.60
3	only.....net	.60
4	only.....net	.60
5	only.....net	.80
6	only.....net	.80
7	only.....net	1.00
8	only.....net	1.00
9	only.....net	1.00
10	only.....net	1.25
11	only.....net	1.25
12	only.....net	1.25
1 to 3	doz.....dozen net	$1.25
3 to 4	doz.....dozen net	1.16
4 to 5	doz.....dozen net	.90
5 to 6	doz.....dozen net	.75
6 doz.	or over.....dozen net	.60
12 doz.	or over.....no extra charge	

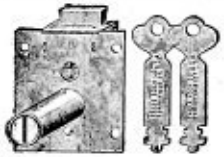
DRAWER LOCKS.



No. 1866—2½ in., solid square box, back spring, iron, ⅛ in. from selvedge to key pin, fancy bow key, w't per doz. 1⅛ lbs.....per dozen **GE** $0.85

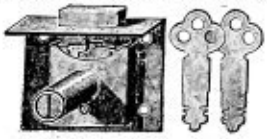


No. 447—2¼ in., solid square box, back spring, iron, ¾ in. from selvedge to key pin, fancy bow key, 12 changes, per dozen .....**FJ** $0.66



No. 01848—1¾x1⅞ in., all brass, 2 secure levers, 1⅛ in. from selvedge to center of key cylinder, 2 nickel plated flat steel keys, made for ⅞ in. wood, can be applied by simply boring hole for cylinder, diameter ⅝ in., 12 changes, w't per doz. 2 lbs., per dozen .....**BHJ** $5.00

No. 1848—1¾x1⅞ in., iron, otherwise same as No. 01848, per doz. **BEJ** $4.50



No. 01876—2x1¼ in., all brass, square selvedge, broad heavy bolt, screwed, 2 secure levers, ⅜ in. from selvedge to center of cylinder, diameter ⅝ in., for ⅞ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 2¾ lbs. .....per dozen **DCJ** $6.00



No. 01901—2x1¾ in., cast brass, square selvedge, screwed, 3 secure levers, ⅜ in. from selvedge to center of cylinder, diameter ⅝ in., for ⅞ in. wood, 2 nickel plated flat steel keys, can be made with 3120 changes, w't per doz. 2¾ lbs.....per dozen **DAJ** $6.00

ONE DOZEN IN A BOX.



No. 6090—1¾x1½ in., iron, brass nose, 2 secure levers, ¾ in. from selvedge to center of cylinder, ½ in. diameter, for ⅞ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 1½ lbs., per dozen .....**BAE** $4.50

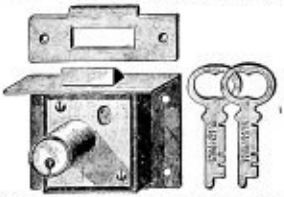
No. 6080—1¾x1½ in., brass, otherwise same as No. 6090, per doz. **BGE** $5.00

No. 1816—2x1¼ in., iron, brass nose and bolt, square selvedge, riveted, 2 secure levers, ⅞ in. from selvedge to center of cylinder, diameter ⅝ in., for ⅞ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 2 lbs., per dozen .....**CAJ** $4.75

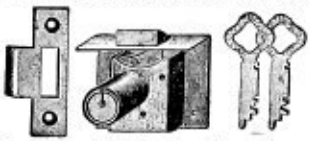
No. 01816—2x1¼ in., brass, otherwise same as No. 1816, per doz. **CGE** $5.50



No. 6001—2¼x1¼ in., all brass, square selvage, solid square box, screwed, broad heavy bolt, 3 secure levers, ⅞ in. from selvedge to center of cylinder, diameter ¾ in., for ⅜ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 3 lbs., per dozen .....**EDJ** $7.50



No. 6001½—2¼x1¼ in., all brass, 3 secure levers, solid square box, screwed, square selvedge, heavy cast bronze latch bolt, ⅞ in. from selvedge to center of cylinder, for ⅜ in. wood, 2 nickel plated flat steel keys, w't per doz. 3¼ lbs., per dozen **FEE** $9.00



No. 1921½—1¾x1¾ in., iron, brass strike, cast brass latch bolt, 2 secure levers, ¾ in. from selvedge to center of key cylinder, 2 nickel plated flat steel keys, furnished regularly with 12 changes of keys, for ⅜ in. wood, w't per doz. 1½ lbs., per dozen .....**CEJ** $6.50

No. 01921½—1¾x1¾ in., all brass, otherwise same as No. 1921½, per dozen .....**DFE** $7.00

ONE DOZEN IN A BOX.

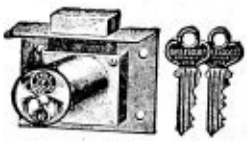


No. 2152—1½x1 in., iron, 2 secure levers, ½ in. from selvedge to center of key cylinder, 2 nickel plated flat steel keys, all different in a dozen, made for ½ in. wood, can be made for any thickness of wood desired, can be applied by simply boring hole for cylinder, w't per doz. 1 lb., per dozen .....**BAE** $4.50

No. 02152—1½x1 in., brass, otherwise same as No. 2152, per doz. **CJE** $5.00



No. 02260—2 in., all brass, square selvedge, solid square box, screwed broad heavy bolt, 4 secure levers, 2 polished and nickel plated flat steel keys each, ¾ in. from selvedge to center of cylinder, diam. ⅝, for ⅞ in. wood, can be made with 3120 changes of keys and 620 changes with master keys, w't per doz. 2¾ lbs., per dozen .....**JGHJ** $18.00



Two German Silver Corrugated Keys.

No. 03201X¾—2x1½ in., plain polished brass cylinder, diam. ⅞ in., ¾ in. from selvedge to center of cylinder, for ¾ in. wood, w't per doz. 3 lbs., per dozen .....**AJIJ** $14.40

No. N03201X⅞—2x1½ in., polished nickel plated brass cylinder, diam. ⅞ in., ¾ in. from selvedge to center of cylinder, for ⅞ in. wood, w't per doz. 3 lbs. .....per dozen **ABBE** $16.20

No. 03201X⅞—2x1½ in., polished plain brass cylinder, diam. ⅞ in., ¾ in. from selvedge to center of cylinder, for ⅞ in. wood, w't per doz. 3 lbs., per dozen .....**AJIJ** $14.40

ONE DOZEN IN A BOX.

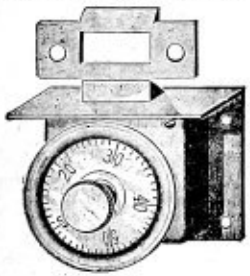
No. N03210—2¼x1⅞ in., polished nickel plated brass cylinder, diam. 1⅛ in., 1 in. from selvedge to center of cylinder, for ⅞ in. wood, w't per doz. 4 lbs. .....per dozen **ADAJ** $18.60

No. 03210—2¼x1⅞ in., polished plain brass cylinder, diam. 1⅛ in., 1 in. from selvedge to center of cylinder, for ⅞ in. wood, w't per doz. 4 lbs., per dozen .....**ABHE** $16.80

ONE DOZEN IN A BOX.

LOCKS.

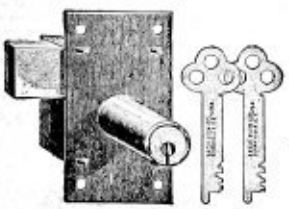
COMBINATION DRAWER.



No. 2011—3x2¼ in., brass, with beveled strike, square selvedge, heavy latch bolt, solid square box, screwed, nickel plated knob and dial, 1½ in. from selvedge to center of knob, capable of 1,000 changes, combination can be changed without removing lock from cupboard or drawer, adjustable to different thicknesses of wood from ⅞ to 1½ in., w't per doz. 9 lbs., per dozen .....**ABDE** $17.00

ONE IN A BOX.

LOCKER.



No. 1934—3x1¾ in., iron, solid, square box, brass bolt that shoots ¾ in. right and left, 5 secure levers, 2 nickel plated flat steel keys, for ⅞ in. wood, for gymnasium or club house lockers, ⅜x⅞ in. cylinder, 3120 changes, w't per doz. 5¼ lbs., per dozen .....**JFFJ** $12.00

No. 1934MK—With master key, otherwise same as No. 1934, per dozen★ .....**JGHJ** $14.00

ONE DOZEN IN A BOX.

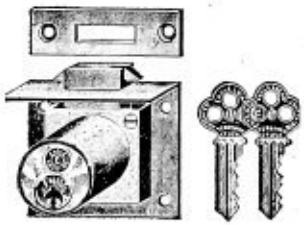


No. 03341—2x1⅜ in., all brass, screwed, heavy bolt that projects 1 in., for right or left hand doors, 2 embossed gilt bow German silver keys, for gymnasium or club house lockers, cylinder for ⅞ in. wood, diameter 1⅛ in., unlimited changes, w't per doz. 6 lbs., per dozen .....**ABIJ** $18.00

No. 03341MK—With master key, otherwise same as No. 03341, per dozen★ .....**AEDJ** $24.00

ONE IN A BOX.

DESK OR CHEST.

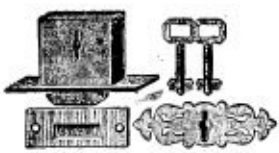


Two German Silver Corrugated Keys.

No. N03052—2¼x1¾ in., polished nickel plated brass cylinder, diam. 1⅜ in., 1 in. from selvedge to center of cylinder, for ⅞ in. wood, per dozen .....**AGHJ** $21.00

No. 03052—2¼x1⅞ in., polished plain brass cylinder, diam. 1⅜ in., 1 in. from selvedge to center of cylinder, for ⅞ in. wood, per doz. **AFBE** $19.20

ONE DOZEN IN A BOX. W'T PER DOZEN 4 LBS.



No. 1984C—3 in., brass selvedge and escutcheon, solid square box patent self-closing strike, self-locking, 4 secure hook tumblers, 1 ward, 1 in. from selvedge to center of keyhole, 2 nickel plated steel keys, 12 changes, w't per doz. 3¼ lbs. ....per dozen **DGE** $8.00

ONE DOZEN IN A BOX, WITH SCREWS.

WARDROBE LOCKS.



No. 509—1⅞x1¼ in., iron, solid box, bolt shoots right and left, 1 tumbler, fine flat bow key, w't per doz. 1 lb., per dozen .....**ACE** $1.50

No. 508—1⅞x1¼ in., brass, solid box, bolt shoots right and left, 1 tumbler, fine flat bow key, w't per doz. 1 lb., per dozen .....**AHJ** $2.00

ONE DOZEN IN A BOX.

WARDROBE LOCKS.



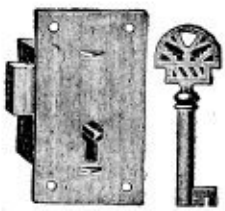
No .1875¼—2x1 in., iron, solid box, bolt shoots right and left, 1 tumbler, flat bow key, w't per doz. 1¾ lbs., per dozen .....**DJ** $0.72

No. 2263—1¾x¾ in., otherwise same as No. 1875¼ .....per dozen **CJ** $0.60

No. 415¼—2½x1¼ in., iron, solid box, bolt shoots right and left, 1 tumbler flat bow key, w't per doz. 1½ lbs., per dozen .....**DJ** $0.72

No. 2265—2x1¾ in., otherwise same as No. 415¼ .....per dozen **CE** $0.65

No. 417—2¼x1¼ in., iron, solid box, bolt shoots right and left, 1 tumbler, fancy bow key, w't per doz. 1½ lbs., per dozen .....**ADJ** $1.60



No. 510½—3x1¾ in., coppered iron, solid square box, broad bolt, shoots right and left, 1 tumbler, bronze fancy bow key, w't per doz. 2½ lbs., per dozen .....**AAJ** $1.75



No. 510—3x1¾ in., iron, solid square box, broad bolt, shoots right and left, 1 tumbler, w't per doz. 2½ lbs., per dozen .....**JEJ** $1.00

No. 500¼—3½x2 in., iron, solid square box, broad bolt, shoots right and left, 1 tumbler, fancy bow key, w't per doz. 3 lbs. .....per dozen **JIE** $1.87

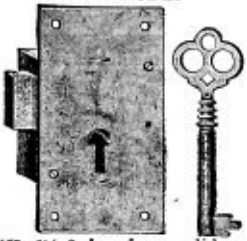
No. 392—3½x1¾ in., iron, solid square box, broad bolt, shoots right and left, 1 tumbler, fancy bow key, w't per doz. 2½ lbs. .....per dozen **AEE** $1.75

ONE DOZEN IN A BOX.

★FOR FACTORY SHIPMENT ONLY.

WARDROBE AND CUPBOARD LOCKS.

WARDROBE.

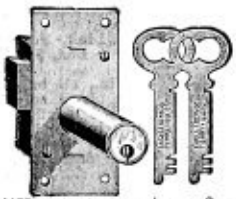


No. 157—3½x2 **in., iron,** solid square box, broad heavy bolt, shoots right and left, 2 secure levers, fancy bow key, 12 changes, w't per doz. 3 lbs., per dozen .....**CEE** $4.00

No. 158—3x1¼ in., iron, solid box, broad bolt, shoots right and left, 2 secure levers, fancy bow keys, net w't per doz. 2⅞ lbs.....per dozen **BIJ** $3.25



No. 570—2½x1¾ in., all brass, solid square box, screwed, 2 secure levers, heavy bolt, shoots right and left, solid steel bit, nickel plated key, 12 changes, w't per doz. 1¾ lbs., per dozen .....**ECJ** $6.00



No. 1055—1¼x⅞ in., iron, 2 secure levers, solid square bolt, shoots right and left, brass cylinder for ¼ in. wood, diameter ½ in., 2 nickel plated flat steel keys, 12 changes, w't per doz. 1 lb. .....per dozen **CIJ** $5.50

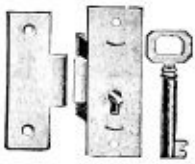
No. 6098—2¼x1¼ in., all brass, 2 secure levers, all parts extra heavy, bolt shoots right and left, diameter ⅝ in., for ⅞ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 3 lbs. .....per dozen **EEE** $8.00

No. 6074—3x1¾ in., all brass, solid square box, screwed, 2 secure levers, all parts extra heavy, bolt shoots right and left, cylinder for ⅞, 1 and 1⅛ in. wood, diameter ⅛ in., 3 lengths in each dozen, 2 nickel plated steel keys, 12 changes, w't per doz. 3 lbs., per dozen .....**FEJ** $9.00

No. 6073—3½x2 in., all brass, solid square box, screwed, 2 secure levers, all parts extra heavy, bolt shoots right and left, 2 nickel plated flat steel keys, cylinder for ⅞, 1 and 1⅛ in. wood, diameter ⅜ in., 3 lengths in each dozen, 12 changes, w't per doz. 4¼ lbs. ..per dozen **JHIJ** $10.00

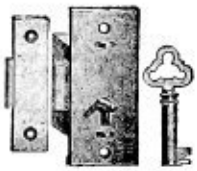
ONE DOZEN IN A BOX.

CUPBOARD.



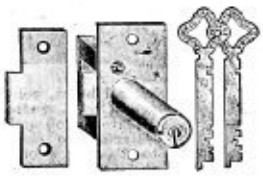
No. 631—2½x¾ in., iron, brass latch bolt, solid square box, 4 patent wards, fancy bow keys, brass strikes, all different in a dozen, net w't per doz. 1⅛ lbs. .....per dozen **BFE** $3.00

ONE DOZEN IN A BOX.



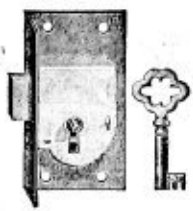
No. 632—2½x1 in., brass, cast brass latch bolt, solid square box, 4 patent wards, fancy bow keys, brass strikes, all different in a dozen, net w't per doz. 1⅜ lbs.....per dozen **CEE** $4.00

ONE DOZEN IN A BOX.



No. 1098—2½x1 in., all brass, cast bronze latch bolt, solid square box, 5 secure levers, 2 polished and nickel plated flat steel keys, regularly made for ⅜ in. wood, but can be made for any thickness of wood desired, regular with 3120 changes of keys, net w't per doz. 2⅛ lbs. ....per dozen **FHE** $8.00

ONE DOZEN IN A BOX.



No. 117—2¼x1½ in., iron, broad bolt, 1 ward, bow key, back spring, w't per doz. 1½ lbs.,....per dozen **JIJ** $1.00

CUPBOARD.



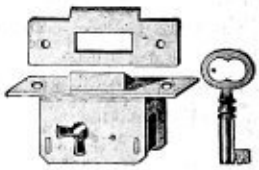
No. 473—2¼ in., brass, broad bolt, 1 ward, bow key, back spring, ⅝ in. from selvedge to key pin, net w't per doz. 1⅛ lbs.....per dozen **JFJ** $1.50

ONE DOZEN IN A BOX.



No. 1881—3½ in., iron, broad bolt, 1 ward, bow key, ½ in. from selvedge to key pin, net w't per doz. 2 lbs., per dozen .....**CEE** $4.00

ONE DOZEN IN A BOX.



No. 1821—2¼ in., heavy cast brass latch bolt, mortise, 1 ward, bow key, brass selvedge, ⅝ in. from selvedge to key pin, net w't per doz. 1⅞ lbs., per dozen .....**BBJ** $2.50

ONE DOZEN IN A BOX.



No. 03163—2x1¾ in., polished brass cylinder, diameter ⅜ in., for ⅜ in. wood, 1 in. from selvedge to center of cylinder, 2 German silver corrugated keys, unlimited changes—in ordering, specify right or left hand—w't per doz. 3 lbs.....per dozen **AABJ** $16.80

ONE DOZEN IN A BOX.

CHEST LOCKS.

BACK SPRING.



No. 42—1x1¼ in., brass, single link, ⅞ in. from selvedge to key pin, w't per doz. ½ lb., per doz. **FE** $0.75
No. 43—1½x3¼ in., brass, single link, ⅞ in. from selvedge to key pin, w't per doz. ½ lb., per dozen **GJ** $0.75
No. 34—2x1 in., iron, single link, ⅞ in. from selvedge to key pin, w't per doz. ¾ lb. .....per dozen **GJ** $0.75
No. 35—2x1 in., brass, single link, ⅞ in. from selvedge to key pin, w't per doz. ¾ lb. .....per dozen **JIJ** $1.00
No. 133—2¼x1¼ in., iron, single link, 1 ward, ¾ in. from selvedge to key pin, w't per doz. 1 lb., per dozen .....**AJJ** $1.12



No. 37—2x1½ in., brass, double link, 1 ward, ¾ in. from selvedge to key pin, w't per doz. 1 lb., per dozen .....**AIE** $2.25
No. 166—2½x1½ in., iron, double link, 1 ward, ⅞ in. from selvedge to key pin, w't per doz. 1½ lbs., per dozen .....**AHE** $2.12
No. 169—2½x1½ in., brass, double link tumbler, 1 ward, ⅞ in. from selvedge to key pin, w't per doz. 1¼ lbs., per dozen .....**BEJ** $2.87
No. 163—2¾x1½ in., iron, double link, 1 ward, ⅞ in. from selvedge to key pin, w't per doz. 2 lbs., per dozen .....**AIE** $2.25
No. 165—2¾x1¾ in., brass, double link, 1 ward, ⅞ in. from selvedge to key pin, w't per doz. 2 lbs., per dozen .....**BCE** $2.75
No. 160—3x2 in., iron, double link, 1 ward, 1⅜ in. from selvedge to key pin, w't per doz. 2½ lbs., per dozen .....**BAJ** $2.37

ONE DOZEN IN A BOX.

SECURE LEVER.



Double link, Square Selvedge, Self-Locking, Screwed, Secret Wards.

No. 583—2½x1¾ in., iron, brass escutcheon, double bitted key, 12 changes, ⅞ in. from selvedge to key pin, w't per doz. 2½ lbs., per doz. **DBJ** $4.75
No. 9—4x3 in., iron, 4 hook tumblers, 1 double bitted key, brass escutcheon, 12 changes, 1⅛ in. from selvedge to key pin, w't per doz. 8 lbs., per dozen .....**ECJ** $6.00

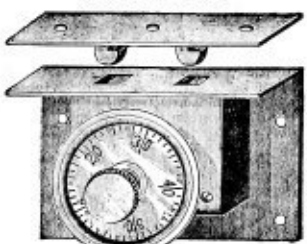
ONE DOZEN IN A BOX.

SECURE LEVER.



No. 471—1½x1 in., iron, double link, square selvedge, 2 secure levers, solid square box, screwed, fine flat bow key, 12 changes, ⅛ in. from selvedge to key pin, w't per doz. ¼ lb., per dozen .....**BFE** $3.00
No. 467—2x1¼ in., w't per doz. 1 lb., otherwise same as No. 471, per dozen .....**BIJ** $3.25
No. 427—2½x1¾ in., ⅛ in. from selvedge to key pin, w't per doz. 2 lbs., otherwise same as No. 471, per dozen .....**CAJ** $3.50
No. 410—3x2 in., 1 in. from selvedge to key pin, w't per doz. 3 lbs., otherwise same as No. 471, per doz. **CEE** $4.00
No. 203—4x2¾ in., iron, double link, 2 secure levers, tumbler wards, screwed, flat bow key, 12 changes, 1½ in. from selvedge to key pin, w't per doz. 5 lbs., per doz. **CIE** $4.50

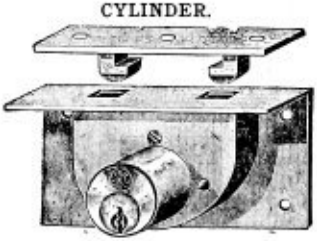
COMBINATION.



No. 2001—4x2¼ in., all brass, self-locking, square selvedge, solid square box, screwed, nickel plated knob and dial, 1⅛ in. from selvedge to center of knob, for 1 to 1¾ in. wood, 1,000 changes, combination can be changed without removing lock from chest, w't per doz. 12 lbs., per doz. **BAHJ** $32.00

ONE IN A BOX.

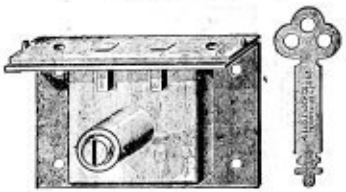
CYLINDER.



No. 03005X1¼—4x2 in., brass, cylinder diameter 1⅛ in., 1¼ in. from selvedge to center of cylinder, for 1¼ in. wood, 2 German silver corrugated keys, unlimited changes, w't per doz. 9 lbs. ....per dozen **AEFJ** $33.60
No. 03005X1½—4x2 in., for 1½ in. wood, otherwise same as No. 03005X1¼, per dozen .....**AEFJ** $33.60

ONE IN A BOX.

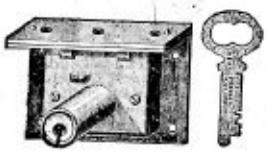
CYLINDER.



Double Link, Square Selvedge, Solid Square Box.

No. 01961—3½x2½ in., all brass, self-locking, 4 hook tumblers, 2 wards, 2 nickel plated flat steel keys, 12 changes, 1⅝ in. from selvedge to center of key cylinder, diameter 1⅛ in., for 1 in. wood, w't per doz. 6 lbs. .....per dozen **JHCJ** $12.00

No. 01962—4x2½ in., all brass, self-locking, 4 hook tumblers and 2 wards, 2 nickel plated flat steel keys, 12 changes, 1¼ in. from selvedge to center of key cylinder, diameter ⅞ in., for 1 in. wood, w't per doz. 6 lbs., per dozen .....**IIGJ** $14.00



All Brass, Double Link, Square Selvedge, Solid Square Box, Screwed.

No. 6071½—2½x1¼ in., all brass, 4 secure levers, 1 in. from selvedge to center of cylinder, 3 lengths in each dozen, diameter ⅝ in., for 1 in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 3 lbs., per dozen .....**JGJJ** $12.00

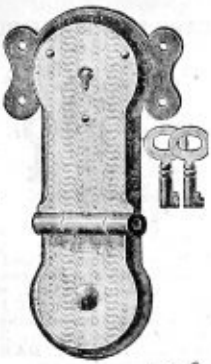
No. 6070—3x2 in., 4 secure levers, 1⅛ in. from selvedge to center of cylinder, diameter ⅝ in., for 1½, 1¼ and 1 in. wood, 3 lengths in dozen, 2 nickel plated flat steel keys, 12 changes, w't per doz. 5 lbs., per doz. **ABDE** $14.00

No. 6069½—3½x2½ in., 4 secure levers, 1½ in. from selvedge to center of cylinder, diameter ⅝ in., for 1 in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 6 lbs., per dozen .....**JHIJ** $16.00

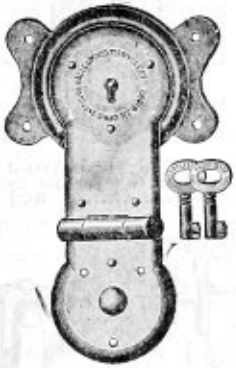
No. 6088—1¾x1¼ in., 3 secure levers, ¾ in. from selvedge to center of cylinder, diameter ½ in., for ¾ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 1½ lbs., per dozen .....**FFE** $7.50
No. 02126½—2x1¼ in., 3 secure levers, ¾ in. from selvedge to center of cylinder, diameter ½ in., for ¾ in. wood, 2 nickel plated flat steel keys, 12 changes, w't per doz. 2 lbs., per dozen .....**ECJ** $9.00

ONE-HALF DOZEN IN A BOX.

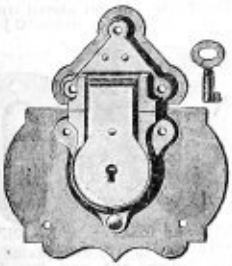
TRUNK LOCKS.



No. 0186½—6½x2¼ in., solid cast brass, jiggered finish, in fancy patterns, buffed edge, 2 secure levers, 2 nickel plated wrought steel flat bow keys, 4 changes, w't per doz. 7 lbs., per dozen .....**JFCJ** $10.80



No. 411½—6½x3¼ in., wrought iron, brass plated, guard cup, 2 secure levers, 2 flat bow keys, four changes in a dozen, w't per doz. 6 lbs., per dozen .....**BGE** $5.50



No. 0199—4x3¼ in., iron, brass plated, guard cup, flat bow key, w't per doz. 7 lbs. .....per dozen **AGJ** $4.50

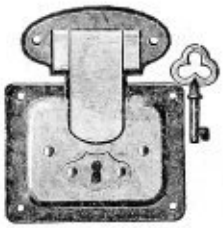
No. 0198—5x3¼ in., iron, all brass plated, otherwise same as No. 0199, per dozen .....**BCJ** $6.50

ONE DOZEN IN A BOX.



No. 14—3½x2½ in., iron, japanned, brass bushed and drop, 1 ward, w't per doz. 2¼ lbs. .....per dozen **JFE** $1.30

ONE DOZEN IN A BOX.



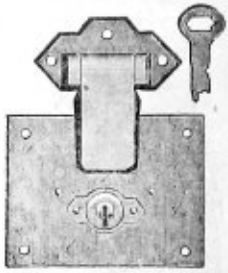
No. 346—3x2¼ in., iron, japanned, tin escutcheon, solid spring hasp, solid key, requires no mortising, w't per doz. 2¼ lbs.....per dozen **AJJ** $1.65

ONE DOZEN IN A BOX.



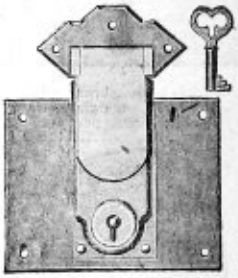
No. 99½—4x3 in., iron, tin bushing, patent solid spring hasp, flat steel key, assorted, 4 changes, w't per doz. 4 lbs. .....per dozen **ADJ** $2.55

ONE DOZEN IN A BOX.



No. 270—3¼ in., iron, japanned, brass bushing, solid spring stop hasp, brass escutcheon, flat steel keys, w't per doz. 2⅝ lbs. ...per dozen **JIJ** $1.50

ONE DOZEN IN A BOX.



No. 93—4x3 in., heavy japanned iron plate and box, heavy stop hasp, brass bushed, assorted, 3 changes, w't per doz. 4½ lbs. ....per dozen **AFJ** $2.55

ONE DOZEN IN A BOX.

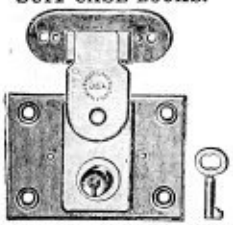


No. 262—3x3¼ in., iron, brass plated, flat bow key, w't per doz. 3¼ lbs., per dozen .....**ABJ** $3.00

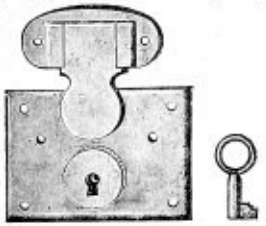
ONE DOZEN IN A BOX.

SUIT CASE LOCKS AND BOLTS.

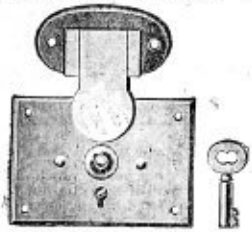
SUIT CASE LOCKS.



No. 367¾—3¼x3 in., brass plated iron, plain finish, straight spring hasp, flat bow key, w't per doz. 2¾ lbs., per dozen .....**AJE** $6.00

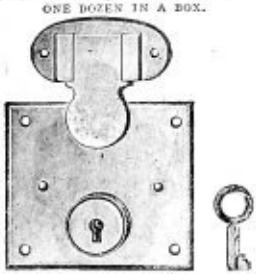


No. 341—3¼x3 in., brass plated iron, buffed finish, straight spring hasp, flat bow key, w't per doz. 2¼ lbs., per dozen .....**BAJ** $6.60



No. 402¾—3½x2¼ in., brass plated iron, plain finish, straight spring hasp, flat bow key, w't per doz. 2½ lbs. .....per dozen **ACJ** $6.00

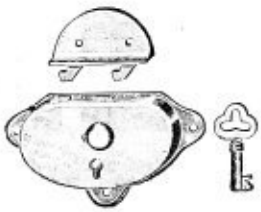
ONE DOZEN IN A BOX.



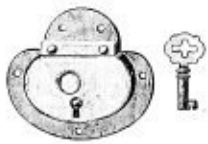
No. 340—4x3 in., brass plated iron, buffed finish, straight spring hasp, secure levers, brass plated bow key, w't per doz. 3½ lbs., per dozen .....**BCE** $6.50

ONE DOZEN IN A BOX.

SAMPLE CASE LOCKS.



No. 0395—3 in., brass nickel plated, self-locking, hasp cut for valance, spring thumb push, flat bow key, w't per doz. 2 lbs. ..per dozen **CIE** $5.50



No. 0297—2¼ in., brass nickel plated, self-locking, spring thumb push, flat bow key, w't per doz. 1½ lbs., per dozen .....**BCJ** $4.40



No. 0296—1¼ in., brass nickel plated, self-locking, spring thumb push, round bow key, w't per doz. ¾ lb., per dozen .....**AIJ** $3.30

ONE DOZEN IN A BOX.

SUIT CASE LOCKS AND BOLTS.



No. 382—1¼ in., brass plated iron, buffed finish, lock and bolt combined, plain bow key, w't per doz. 1 lb., per dozen .....**CJJ** $5.50

ONE DOZEN IN A BOX.

SUIT CASE LOCKS AND BOLTS.



No. 368—2¼ in., brass plated iron, buffed finish, lock and bolt combined, secure lever, plain bow key, w't per doz. 3 lbs. .....per dozen **CCJ** $6.60

No. 0368—2¼ in., all brass, buffed and lacquered, otherwise same as No. 368, per dozen .....**DAE** $7.70

ONE DOZEN IN A BOX.

SUIT AND SAMPLE CASE BOLTS.



No. 5530—2¼ in., brass plated iron, buffed finish, w't per doz. 2½ lbs., per dozen .....**BCJ** $3.50



No. 1770.



No. 1778.

No. 1770—1⅝ in., brass plated iron, w't per doz. ¾ lb., per dozen **BE** $0.60

No. 1778—1½ in., nickel plated iron, w't per doz. ½ lb.....per dozen **CJ** $0.60



Nos. 5523 and 05523.



No. 01796.

No. 5523—1¼ in., brass plated iron, buffed finish, w't per doz. ½ lb., per dozen .....**JDE** $1.00

No. 05523—1¼ in., all brass, buffed and lacquered, w't per doz. ¾ lb., per dozen .....**JHE** $2.00

No. 01796—1⅜ in., cast brass, buffed and lacquered, w't per doz. 1¼ lbs., per dozen .....**BBE** $3.50

ONE DOZEN IN A BOX.

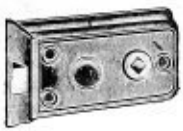
LATCHES.

RIM KNOB.



No. 01110—2¼x3½ in. ornamental bronzed iron case, reversible for right or left hand doors, iron bolt, with stop, patent half bevel strike, with patent bronzed knobs, backset 2⅝ in., w't per doz. 12 lbs., per dozen **BEJ** $5.25

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWENTY DOZEN IN A CASE.



No. 1111—2¾x3½ in., japanned iron case, iron bolt, iron hub, round cornered case, reversible for right or left hand door, backset 2½ in., w't per doz. 8 lbs. .....per dozen **ABJ** $2.00

No. 1111RB—Reverse bevel, w't per doz. 8 lbs., otherwise same as No. 1111, per dozen .....**ABJ** $2.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWENTY DOZEN IN A CASE.



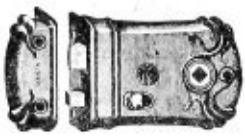
No. 2121—2½x3⅝ in., japanned iron case, iron bolt, hub and slide bolt, sunk thumb piece, reversible for right or left hand doors, backset of hub 2⅝ in., w't per doz. 10 lbs., per dozen .....**ADE** $2.50

No. 2122—2¾x3⅝ in., heavy iron bolt, slide bolt and hub, brass sunk thumb piece, reversible for right or left hand doors, backset of hub 2¾ in., w't per doz. 12 lbs.....per dozen **AHJ** $3.50

No. 2123—2¾x3⅝ in., heavy brass bolt and slide bolt, iron hub, brass sunk thumb piece, reversible for right or left hand doors, backset of hub 2¾ in., w't per doz. 12 lbs., per dozen .....**BCJ** $6.25

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWELVE DOZEN IN A CASE.

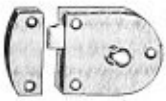
RIM KNOB.



No. 3552—2½x4 in., wrought steel frame, japanned, ivory finish, 2 iron bolts, brass thumb knob, backset 2¾ in., w't per doz. 8 lbs., per dozen .....**AIJ** $3.60

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWENTY DOZEN IN A CASE.

SECRET GATE.



No. J116—2½x2½ in., japanned iron, w't per doz. 7 lbs., per dozen **DHJ** $8.40

No. P116—2½x2½ in., bronze plated iron, w't per doz. 7 lbs., per dozen .....**EGE** $9.80

No. OC116—2½x2½ in., polished old copper finished iron, w't per doz. 7 lbs. .....per dozen **JFEJ** $11.20

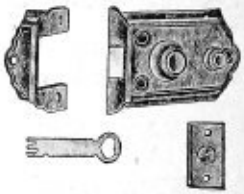
ONE-HALF DOZEN IN A BOX, WITH SCREWS.

RIM NIGHT.



No. 52—2½x2¾ in., japanned iron case, iron bolts, bronze metal turn knob and stop, bronze metal escutcheon, ⅜ in. cylinder, 2 flat steel keys, reversible for right or left hand doors swinging in or out, from ⅜ to 1⅜ in. thick, 3 pin tumblers, ordinary and reverse bevel strikes, backset 1½ in., 12 changes, w't per doz. 12 lbs., per dozen .....**JFCJ** $12.00

THREE IN A BOX, WITH SCREWS.



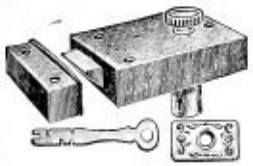
No. 1152—2¾x4 in., heavy japanned iron case, heavy brass bolt, bronze draw back and turn stop knobs, bronze metal stop escutcheon, 1 in. tube, 3 flat steel keys, for 1 to 2¾ in. doors, 4 spring tumblers, backset 2 in., w't per doz. 15 lbs., per doz. **JIIJ** $17.00

ONE IN A BOX, WITH SCREWS.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipment made in the regular way.

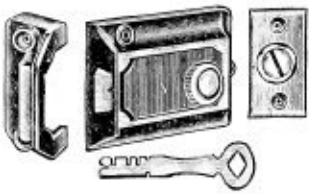
NIGHT LATCHES AND ASSORTMENTS.



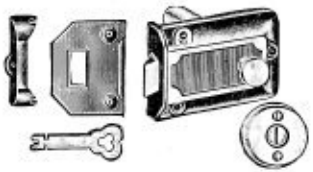
No. 64—2x3 in., Miller, japanned iron case, brass plated bolt, bronze turn knob and escutcheon, 3/4x7/8 in. cylinder, reversible for right or left hand door, backset 2 1/4 in., 2 flat steel keys, 6 changes, w't per doz. 9 lbs., per dozen .....**CBE** $5.50

No. 65—2x3 in., Miller, polished old copper finish, iron case, brass plated bolt, bronze turn knob and escutcheon, 3/4x7/8 in. cylinder, reversible for right or left hand door, back set 2 1/4 in., 2 flat steel keys, 6 changes, w't per doz. 9 lbs. .....per dozen **EAJ** $7.50

ONE IN A BOX, WITH SCREWS.

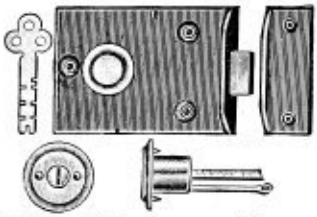


No. 74—2 1/2x3 1/2 in., Miller, japanned iron case, heavy iron bolt, bronze metal turn knob, bronze metal escutcheon, 3/4 in. spring cylinder, for 3/8 in. to 2 in. doors, reversible for right or left hand doors swinging in or out, 2 flat steel keys, backset 2 1/8 in., w't per doz. 11 lbs. .....per dozen **JEGE** $10.00



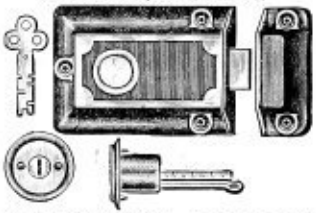
No. 73—2 1/2x3 1/2 in., Miller, heavy japanned iron case, heavy bronze bolt, turn knob and back plate, polished bronze escutcheon, reversible latch, 3/4 in. cylinder for 3/4 to 2 in. doors, two-piece strike, reversible for right or left hand doors swinging in or out, 3 flat steel keys, backset 2 in., w't per doz. 12 lbs., per doz. **JIIJ** $18.50

ONE IN A BOX, WITH SCREWS.

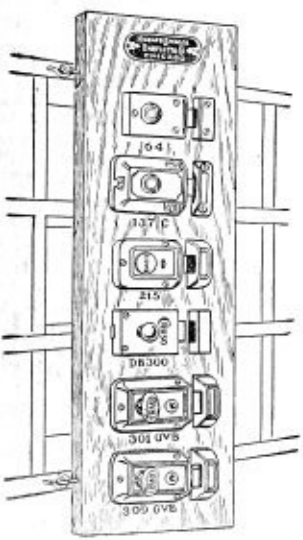


No. 178-C—2x3 in., iron case, old copper finish, reversible bronze bolt, bronze escutcheon, bronze knob, turns to hold back, for doors 7/8 to 2 in., 3 extra reverse bevel strikes with each dozen, 2 nickel plated steel keys, 12 changes, w't per doz. 13 lbs., per dozen .....**JEDJ** $10.00

ONE IN A BOX, WITH SCREWS.



No. 137-C—2 1/2x3 1/2 in., iron case, old copper finish, reversible bronze bolt, bronze escutcheon, bronze knob, turns to hold back, for doors 7/8 to 2 in. thick, 3 extra reverse bevel strikes with each dozen, 2 nickel plated steel keys, 36 changes, w't per doz. 18 lbs., per dozen .....**JGBJ** $12.00



Back of Board.

RIM NIGHT LATCH ASSORTMENT.

No. 100—Assortment consists of the following—

1/4 doz. No. 64 Latches described on page 322 .....per dozen **CBE** $5.50

1/4 doz. No. 137C Latches described on page 322 .....per dozen **JGBJ** $12.00

1/4 doz. No. 215 Latches described on page 323 .....per dozen **AJHJ** $19.00

1/6 doz. No. DB300 Cruso Latches described on page 323, per dozen .....**JIFJ** $17.50

1/4 doz. No. 301 DVS Latches, described on page 323, per dozen .....**AEFJ** $28.00

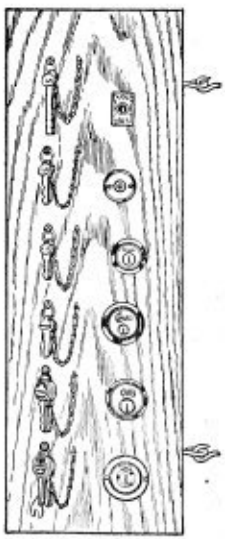
1/6 doz. No. 309 DVS Latches, described on page 323, per dozen .....**AIBJ** $33.00

Per assortment .....each AGDJ 30.75

One of each of the above mounted on heavy oak board, 23 1/2x8x1 1/4 in. highly finished. Has number plates and heavy wire screw eyes and square hooks upon which to swing.

W't per case 40 lbs.

EACH LATCH IN A SEPARATE BOX. ONE ASSORTMENT IN A CASE.



Front of Board.

LATCHES.

CYLINDER RIM NIGHT.



No. 230—2⅛x3⅝ in., japanned iron case, reversible, bronze bolt, bronze turn knob, regular and reverse bevel strikes, bronze cylinder, 5 pin tumblers, 3 German silver keys, all different, backset 2½ in., for doors 1¼ to 3 in., w't per doz. 23 lbs., per dozen .....**AEFJ** $25.00

ONE SET IN A BOX, WITH SCREWS.

No. 301—3⅝x2⅛ in., old copper finish, iron case, backet 2½ in., for doors 1¼ to 3 in., cast bronze bolts and turn knob, three German silver oxidized keys, cast bronze ball bearing pin tumbler cylinder, unlimited changes, reversible, can be made Reverse Bevel by reversing bolt and using flat strike packed with each latch, w't per doz. 18 lbs., per dozen .....**AEFJ** $28.00



No. 305—3⅝x2⅛ in., old copper finish, iron case, backset 2½ in., for doors 1¼ to 3 in., automatically dead locking, cast bronze bolts and turn knob, 3 German silver oxidized keys, cast bronze ball bearing pin tumbler cylinder, unlimited changes, reversible, can be made Reverse Bevel by reversing bolt and using flat strike packed with each latch, w't per doz. 21 lbs. .....per dozen **AHJJ** $33.00

ONE IN A BOX, WITH SCREWS.

UNIT NIGHT.



Nos. 307 and 309.

Most Easily Applied Latch Ever Made.

No. 302—Unit, 2⅛x3⅝ in., japanned iron case, reversible bronze bolt, bronze turn knob, regular and reverse bevel strikes, bronze extension cylinder, 5 ball bearing pin tumblers, 3 German silver keys, all different, backset 2½ in., for doors 1 to 2¼ in., w't per doz. 23 lbs., per dozen .....**AEFJ** $27.00

No. 304—Unit, old copper finished case, otherwise same as No. 302, per doz. **AFHJ** $29.00

No. 307—Unit, dead locking, otherwise same as No. 302, per dozen .....**AHJJ** $30.00

No. 309—Unit, dead locking, otherwise same as No. 304, per dozen .....**AIBJ** $33.00

ONE SET IN A BOX, WITH SCREWS.

CRUSO CYLINDER RIM NIGHT LATCHES.

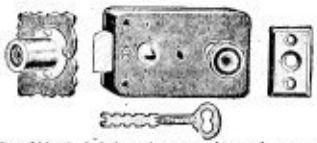


No. OC300—Cruso, 3x2 in., old coppered steel case, not reversible, bronze cylinder, 3 pin tumblers, 3 flat steel keys, all different, back set 1¼ in., for doors 1¼ to 3 in., w't per doz. 16 lbs. .....per dozen **JIFJ** $17.50

No. DB300—Cruso, dull brass finish, w't per doz. 16 lbs., otherwise same as No. OC300 Cruso, per dozen .....**JIFJ** $17.50

ONE IN A BOX, WITH SCREWS.

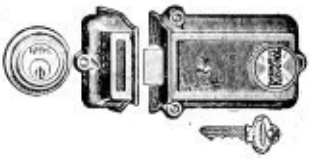
RIM NIGHT.



No. 210—2x3½ in., japanned steel case, ivory black finish, reversible, bronze bolt, bronze turn knob, regular and reverse bevel strikes, bronze escutcheon, brass cylinder, 2 nickel plated flat steel keys, 24 changes, backset 2⅜ in., for doors 1 to 2 in., w't per doz. 11½ lbs., per dozen **DHJ** $9.00

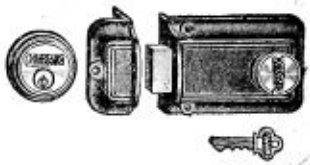
ONE IN A BOX, WITH SCREWS.

RIM NIGHT.



No. 215—2¼x3⅝ in., japanned iron case, reversible, regular and reverse bevel strikes, bronze bolt and turn knob, bronze cylinder with 4 pin tumblers, three nickel plated steel keys, all different, backset 2⅜ in., for doors 1 to 2½ in., w't per doz. 20 lbs., per dozen .....**AJHJ** $19.00

ONE IN A BOX, WITH SCREWS.



No. 220—2¼x3⅝ in., japanned iron case, reversible, bronze bolt, bronze turn knob, regular and reverse bevel strikes, bronze cylinder, 4 pin tumblers, 3 German silver keys, all different, backset 2⅜ in., for doors 1 to 2½ in., w't per doz. 21 lbs., per dozen .....**ABFJ** $21.00

ONE IN A BOX, WITH SCREWS.

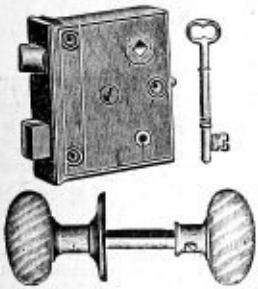


No. 108—2¼x3½ in., heavy japanned iron case, bronze bolt, bronze slide and stop knobs, bronze swivel escutcheon, 4 tumblers, ¾ in. cylinder, backset 2 in., 2 flat steel keys, w't per doz. 14 lbs. ...per dozen **AJHJ** $17.50

No. 109—2¼x4 in., heavy bronze bolt, bronze slide and stop knobs, bronze swivel escutcheon, 4 tumblers, ¾ in. cylinder, backset 2½ in., 2 flat steel keys, w't per doz. 16 lbs., per dozen .....**ABFJ** $20.00

ONE IN A BOX, WITH SCREWS.

UPRIGHT RIM KNOB LOCKS.



Reversible, Japanned Iron Case, and Escutcheon.

No. 1884—4x3¼ in., 2 iron bolts, tinned malleable iron key, 1 tumbler, stop on latch, backset 2½ in., without knobs, w't per doz. 14 lbs., per dozen .....**ABJ** $2.40

No. 1884A—4x3¼ in., 2 iron bolts, 1 tinned malleable iron key, 1 tumbler, stop on latch, with mineral knobs, backset 2½ in., w't per doz. 22 lbs., per dozen .....**BAJ** $4.00

No. 1884B—4x3¼ in., 2 iron bolts, 1 tinned malleable iron key, 1 tumbler, stop on latch, with porcelain knobs, backset 2½ in., w't per doz. 22 lbs., per dozen .....**BAE** $4.25

No. 1884J—4x3¼ in., 2 iron bolts, 1 tinned malleable iron key, 1 tumbler, stop on latch, with jet knobs, backset 2½ in., w't per doz. 22 lbs., per dozen .....**BAE** $4.25

TEN DOZEN IN A CASE; ONE-HALF DOZEN IN A BOX WITH SCREWS.

No. 01884A—One set in a box, with screws, otherwise same as No. 1884A, per dozen sets .....**BCJ** $4.50

No. 01884B—One set in a box, with screws, otherwise same as No. 1884B, per dozen .....**BCE** $4.75

No. 01884J—One set in a box, with screws, otherwise same as No. 1884J, per dozen .....**BCE** $4.75

FIVE DOZEN IN A CASE.

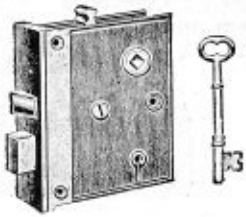


Reversible, Japanned Iron Case and Escutcheon.

No. 2884—4x3 in., 2 iron bolts, 1 tumbler, stop on latch, elongated japanned escutcheon, jet knobs, backset 2½ in., malleable iron key, w't per doz. 27 lbs. .....per dozen sets **CJJ** $5.00

ONE SET IN A BOX, WITH SCREWS.

FIVE DOZEN IN A CASE.



Reversible, Japanned Iron Case and Escutcheon.

No. 2301—4½x3½ in., 2 iron bolts, tinned iron key, 1 tumbler, stop on latch, without knobs, backset 2½ in., w't per doz. 16 lbs., per dozen **AFJ** $2.75

No. 2302—4½x3½ in., 2 iron bolts, nickel plated steel key, 1 tumbler, stop on latch, backset 2½ in., w't per doz. 16 lbs. .....per dozen **BDG** $4.25

No. 2302/2—4½x3¼ in., with 2 keys, otherwise same as No. 2302, per dozen .....**CAE** $5.50

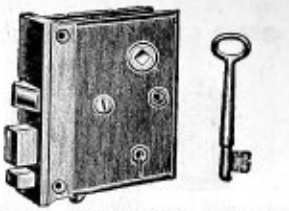
No. 2303—4½x3¼ in., 2 brass bolts, nickel plated steel keys, 1 tumbler, stop on latch, backset 2½ in., w't per doz. 16 lbs. .....per dozen **CFJ** $5.75

No. 2321—4½x3½ in., 2 iron bolts, tinned malleable iron key, 1 tumbler, stop on latch, backset 2½ in., w't per doz. 19 lbs. .....per dozen **CBJ** $6.00

No. 2322—4½x3½ in., 2 iron bolts, nickel plated steel key, 1 tumbler, stop on latch, backset 2½ in., w't per doz. 19 lbs. .....per dozen **CIE** $7.00

No. 2323—4½x3½ in., 2 brass bolts, nickel plated steel key, 1 tumbler, stop on latch, backset 2½ in., w't per doz. 19 lbs. .....per dozen **DHJ** $8.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TEN DOZEN IN A CASE.



Reversible, Japanned Iron Case and Escutcheon.

No. 3301—4½x3¼ in., 3 iron bolts, malleable iron key, 1 tumbler, backset 2⅛ in., w't per doz. 16 lbs., per dozen .....**BAE** $5.00

No. 3302—4½x3¼ in., 3 iron bolts, nickel plated steel key, 1 tumbler, backset 2⅛ in., w't per doz. 16 lbs., per dozen .....**CAJ** $5.50

No. 3303—4½x3¼ in., 3 brass bolts, nickel plated steel key, 1 tumbler, backset 2⅛ in., w't per doz. 16 lbs., per dozen .....**CIB** $6.75

No. 3321—3½x3¼ in., 3 iron bolts, tinned malleable iron key, 1 tumbler, backset 2½ in., w't per doz. 18 lbs., per dozen .....**CIB** $7.00

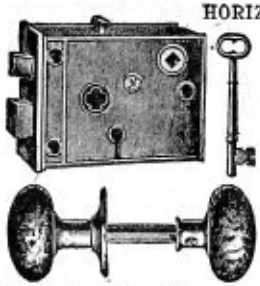
No. 3322—4½x3¼ in., 3 iron bolts, nickel plated steel key, 1 tumbler, backset 2½ in., w't per doz. 18 lbs., per dozen .....**DEJ** $8.25

No. 3323—4½x3¼ in., 3 brass bolts, nickel plated steel key, 1 tumbler, backset 2½ in., w't per doz. 18 lbs., per dozen .....**JEGE** $10.00

No. 3333—4½x3¼ in., 3 heavy brass bolts, nickel plated steel key, 2 wrought iron rack tumblers, 24 changes, backset 2½ in., w't per doz. 18 lbs. ..per dozen **JGEJ** $13.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS TEN DOZEN IN A CASE.

HORIZONTAL RIM KNOB LOCKS.



3½x4¼ Inches, Reversible, Japanned Iron Case and Escutcheon, One Tumbler, Stop on Latch, Backset of Hub, 3¼ Inches, of Keyhole 2 Inches.

No. 1885—2 iron bolts, tinned malleable iron key, without knobs, w't per doz. 14 lbs. .....per dozen **ABJ** $2.50

No. 1885A—2 iron bolts, tinned malleable iron key, with mineral knobs, w't per doz. 22 lbs., per dozen .....**BAJ** $4.15

No. 1885B—2 iron bolts, tinned malleable iron key, with porcelain knobs, w't per doz. 22 lbs., per dozen .....**BAE** $5.50

No. 1885J—2 iron bolts, malleable iron key, jet knobs, w't per doz. 22 lbs., per dozen .....**BAE** $5.50

No. 1886—2 brass bolts, nickel plated solid steel key, without knobs, w't per doz. 15 lbs., per dozen **BEJ** $5.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TEN DOZEN IN A CASE.

Reversible, Japanned Iron Case.

No. 2885—3⅛x4¼ in., 2 brass plated iron bolts, 1 tumbler, stop on latch, jet knobs, backset of hub 3¼ in., of keyhole 2 in., tinned malleable iron key, w't per doz. 29 lbs., per dozen sets .....**BFJ** $5.00

ONE SET IN A BOX, WITH SCREWS. FIVE DOZEN IN A CASE.

Lock Sets.

No. 01885A—One set in a box, with screws, otherwise same as No. 1885A, per dozen .....**BCJ** $4.20

No. 01885B—One set in a box, with screws, otherwise same as No. 1885B, per dozen .....**BCE** $4.40

No. 01885J—One set in a box, with screws, otherwise same as No. 1885J, per dozen .....**BCE** $4.40

No. 01886A—With mineral knobs, one set in a box, with screws, otherwise same as No. 1886, per doz. **CFJ** $6.30

No. 01886B—With porcelain knobs, one set in a box, with screws, otherwise same as No. 1886, per doz. **CGJ** $6.40

No. 01886J—With jet knobs, one set in a box, with screws, otherwise same as No. 1886 .....per dozen **CGJ** $6.40

FIVE DOZEN IN A CASE.

RIM KNOB LOCKS.

STEEL.



3¾x3¾ Inches, Reversible, Round Cornered.

No. 2104—Japanned, ivory black finish case and escutcheon, 2 iron bolts, iron hub, tinned iron key, no stop on latch, backset 2½ in., complete with jet knobs and japanned steel 5½x1¾ in. elongated escutcheon, w't per doz. 20 lbs. .....per dozen **DCJ** $7.00

No. OC2104—Polished old copper finish, otherwise same as No. 2104, per dozen .....**DIJ** $8.00

ONE SET IN A BOX, WITH ROUND HEAD SCREWS. TWELVE DOZEN IN A CASE.



3¼x4½ Inches, Reversible, Japanned Iron, Ivory Black Finish Case, One Tumbler, Stop on Latch, 4 Changes, Backset 2½ Inches.

No. 3200—2 iron bolts, nickel plated iron key, w't per doz. 12 lbs., per dozen .....**BBJ** $4.00

No. 3206—2 brass bolts, nickel plated steel key, w't per doz. 11 lbs., per dozen .....**DEE** $6.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWELVE DOZEN IN A CASE.

STEEL.



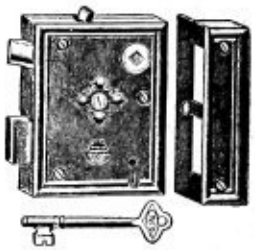
3¼x3¾ Inches, Reversible, Round Cornered, 5½x1¾ Inch Escutcheon, Backset 2½ Inches.

No. 1104—Japanned, ivory black finish case and 2 iron bolts, iron hub, tinned iron key, no stop on latch, w't per doz. 10 lbs., per dozen **BFE** $3.75

No. OC1104—Polished old copper finish, otherwise same as No. 1104, per dozen .....**CJJ** $4.50

ONE-HALF DOZEN IN A BOX, WITH ROUND HEAD SCREWS. TWELVE DOZEN IN A CASE.

STEEL.



4x3½ Inches, Upright, Reversible, Japanned, Ivory Black Finish Case and Plated Escutcheon, One Tumbler, Four Changes, Backset 2⅜ Inches.

No. 3800—2 iron bolts, nickel plated iron key, w't per doz. 11 lbs., per dozen .....**BAJ** $4.00

No. 3806—2 brass bolts, nickel plated steel key, w't per doz. 11 lbs., per dozen .....**CHE** $6.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWELVE DOZEN IN A CASE.

RIM LOCKS.

HORIZONTAL RIM.



3¼x4¼ Inches, Reversible, Japanned Iron Case and Escutcheon, One Tumbler, Stop on Latch, Backset of Hub 3⅝ Inches, of Keyhole 2⅝ Inches.

No. 2211—2 iron bolts, tinned iron key, w't per doz. 16 lbs., per dozen ..... **AGE** $3.00

No. 2212—2 iron bolts, nickel plated steel key, w't per doz. 18 lbs., per dozen ..... **BCJ** $5.00

No. 2213—2 brass bolts, nickel plated steel key, w't per doz. 18 lbs., per dozen ..... **CBJ** $6.50



Reversible, Japanned Iron Case and Escutcheon, One Tumbler.

No. 3211—3¼x4¼ in., 3 iron bolts, tinned malleable iron key, backset of hub 3⅛ in., of keyhole 2⅛ in., w't per doz. 16 lbs. .....per dozen **BJJ** $3.60

No. 3212—3⅛x4¼ in., 3 iron bolts, nickel plated solid steel key, backset of hub 3⅛ in., of keyhole 2⅛ in., w't per doz. 18 lbs. .....per dozen **BGE** $5.75

No. 3213—3¼x4¼ in., 3 brass bolts, nickel plated solid steel key, backset as 3212, w't per doz. 18 lbs., per dozen ..... **DAE** $8.50

No. 3213½—3¼x4 in., w't per doz. 16 lbs., same as No. 3213 with lighter case, per dozen ..... **BIJ** $7.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS, TEN DOZEN IN A CASE.

Lock Sets.

No. 03213½-A—3¼x4 in., 3 brass bolts, nickel plated solid steel key, mineral knobs, backset of hub 3⅛ in., of keyhole 2⅛ in., one set in a box with screws, w't per doz. 16 lbs., per dozen ..... **CIE** $6.60

No. 03213½B—With porcelain knobs, one set in a box with screws, otherwise same as No. 03213½-A, per dozen ..... **DAJ** $6.80

No. 03213½J—With jet knobs, one set in a box, otherwise same as No. 03213½-A, ...per dozen **DAJ** $6.80

No. 03212½-J—Set with brass plated bolts, otherwise same as No. 03213½-J, w't per doz. 27 lbs., per dozen ..... **CCE** $6.00

FIVE DOZEN IN A CASE.

3½x5 Inches, Reversible, Japanned Iron Case, One Tumbler, Backset of Hub 4¼ Inches, of Keyhole 1⅞ Inches.

No. 3232—3 iron bolts, nickel plated steel key, w't per doz. 24 lbs., per dozen ..... **JCBJ** $11.75

No. 3233—3 brass bolts, nickel plated steel key, w't per doz. 24 lbs., per dozen ..... **JDCJ** $14.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS, TEN DOZEN IN A CASE.

HORIZONTAL RIM.



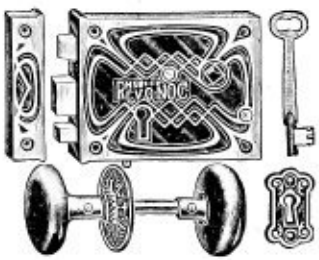
3½x5 Inches, Reversible, Japanned Iron Case, One Tumbler, with Stop, Backset of Hub 4¼ Inches, of Keyhole 1⅞ Inches.

No. 2232—2 iron bolts, nickel plated steel key, w't per doz. 23 lbs., per dozen ..... **JBDE** $10.75

No. 2233—2 brass bolts, nickel plated steel key, w't per doz. 23 lbs., per dozen ..... **JCFJ** $11.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS; TEN DOZEN IN A CASE.

REVONOC RIM LOCK SETS.



REVONOC

3¼x4¼ in., Electro Bronze Plated Case and Strike, Reversible, One Tumbler, Easy Spring, Jet Knobs, Electro Bronze Plated Shanks, Rose and Keyhole Escutcheon.

No. R2212 REVONOC—2 brass plated bolts, steel key, w't per doz. sets 28 lbs., per dozen sets ..... **EDJ** $9.00

No. R2213 REVONOC—2 brass bolts, steel key, w't per doz. sets 28 lbs., per dozen sets ..... **JFJJ** $10.00

No. R3212 REVONOC—3 brass plated bolts, steel key, w't per doz. sets 28 lbs., per dozen sets ..... **EGE** $9.50

No. R3213 REVONOC—3 brass bolts, steel key, w't per doz. sets 28 lbs., per doz. sets ..... **JFCE** $10.50

ONE SET IN A BOX COMPLETE; FIVE DOZEN IN A CASE.

RIM DEAD.



Iron Bolt, Reversible Japanned Iron Case and Escutcheon.

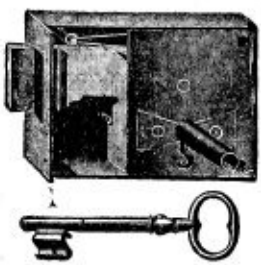
No. 1211—2x2¾ in., tinned malleable iron key, 1 tumbler, backset 2⅛ in., w't per doz. 7½ lbs., per dozen ..... **AAJ** $1.80

No. 1221—2¼x3½ in., tinned malleable iron key, 1 tumbler, backset 2⅛ in., w't per doz. 7½ lbs., per dozen ..... **AFJ** $2.70

No. 1222—2¼x3½ in., nickel plated flat steel key, 1 wrought iron rack tumbler, 12 changes, backset 2⅛ in., w't per doz. 10 lbs., per dozen **BDJ** $3.70

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

FRENCH RIM DEAD.



Black Enameled Steel Case and Strike, Double Shoot Bolt, Tinned Wrought. Iron Key, One Inch Key Tube.

No. 199½—3¼x3 in., backset 2¼ in., w't per doz. 12 lbs., per dozen ..... **BIJ** $4.80

No. 200—4½x3 in., backset 2¼ in., w't per doz. 13 lbs., per dozen **CCJ** $5.50

No. 200½—5x3½ in., backset 3¼ in., w't per doz. 15 lbs., per doz. **CHJ** $6.30

No. 201—5½x3½ in., backset 3¼ in., w't per doz. 18 lbs., per dozen ..... **DBJ** $7.00

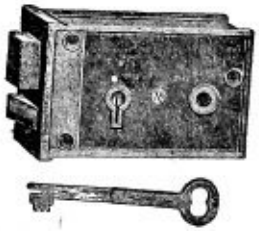
No. 201½—6x3½ in., backset 4 in., w't per doz. 21 lbs., per dozen **DHJ** $8.00

In ordering, specify right or left hand.

TWO IN A BOX.

STORE DOOR LOCKS, ETC.

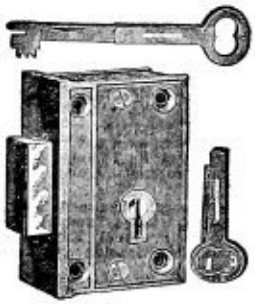
STORE DOOR RIM KNOB.



No. 2272—4x6 in., reversible, japanned iron case, strike and plate escutcheon, 2 heavy iron bolts, revolving key cylinder, bronze hub, 2 nickel plated folding steel keys, 1 tumbler, 12 changes, backset 3½ in., w't per doz. 42 lbs. .....per dozen **AJHJ** $18.00

ONE IN A BOX, COMPLETE, WITH SCREWS.

STORE DOOR LOCKS.



Heavy Iron Bolt, 2 Nickel Plated Folding Steel Keys, Reversible, Japanned Iron Case, Strike and Escutcheon.

No. 1312—4x2½ in., 1 tumbler, 12 changes, backset 1⅛ in., w't per doz. 20 lbs. .....per dozen **JFJJ** $10.00

ONE-QUARTER DOZEN IN A BOX, WITH SCREWS.

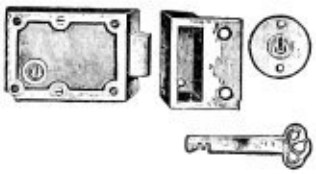
No. 1322—5x3 in., 1 tumbler, 12 changes, backset 2 in., w't per doz. 24 lbs., per dozen .....**JFFJ** $11.00

ONE IN A BOX, WITH SCREWS.

No. 1332—5½x3½ in., 2 wrought tumblers, 24 changes, wrought inside works, backset 2½ in., w't per doz. 36 lbs. .....per dozen **JHDJ** $22.00

No. 1342—5½x3½ in., 3 wrought tumblers, 48 changes, wrought inside works, backset 2½ in., w't per doz. 36 lbs. .....per dozen **AJBJ** $25.00

STORE DOOR DEAD.



No. 13½—3x2¼x3¼ in., reversible, japanned iron case, japanned strike, brass bolt, 1 flat brass escutcheon, 3 steel tumblers, 2 flat German silver keys, 100 changes, backset 2¼ in., operating from either side, w't per doz. 13½ lbs. .....per dozen **JIIJ** $16.00

Keys cannot be duplicated by number.

ONE IN A BOX, WITH SCREWS.



No. 7½—2½x4¼x7⅛ in., reversible, japanned iron case, bronze bolt, bronze cup escutcheon, 4 brass tumblers, 3 flat German silver keys, unlimited changes, backset 1½ in., key operating from either side, w't per doz. 27 lbs. .....per dozen **AIEJ** $32.00

Keys cannot be duplicated by number.

ONE IN A BOX, WITH SCREWS.



No. 499½—5x4 in., old copper plated case, iron case and strike, reversible, bronze bolt, bronze cylinder inside and outside, 5 ball bearing pin tumblers, 3 German silver keys, all different, backset 1¼ in., for doors 1¼ to 3 in., w't per doz. 30 lbs., per dozen .....**CIFJ** $80.00

ONE IN A BOX, WITH SCREWS.

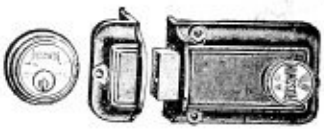
STORE DOOR DEAD.



No. 498—4x2½ in., japanned iron case and strike, reversible, bronze bolt, bronze turn knob, bronze cylinder with 5 ball bearing pin tumblers, 3 German silver keys, all different, backset 1½ in., for doors 1¼ to 3 in., w't per doz. 24 lbs., per dozen .....**BHHJ** $42.20

ONE IN A BOX, WITH SCREWS.

RIM DEAD.



No. 1282—2⅜x3⅜ in., japanned iron case, reversible, heavy bronze bolt and turn knob, bronze cylinder with 5 ball bearing pin tumblers, 3 German silver keys, all different, backset 2½ in., for doors 1¼ to 3 in., w't per doz. 21 lbs. ...per dozen **BAFJ** $37.50

MORTISE LATCHES.



3x1¼ Inches, Japanned Ivory Finish Case.

No. 2030—Lacquered steel front, iron bolt .....per dozen **AAJ** $1.80
No. 2041½—Polished brass front and bolt .....per dozen **AIJ** $3.60

3¼x1¼ Inches, Japanned Iron Case, Backset 2½ Inches.

No. 1411—Iron front, bolt and strike, per dozen .....**JIE** $1.50

LOCKS.

MORTISE DEAD.



No. P24—3½x2¾ in., japanned iron case, reversible, polished cast bronze metal front, strike and bolt, nickel plated solid steel key, backset 2¾ in., w't per doz. 10 lbs., per doz. **JGBJ** $10.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS.



No. 13—3x2½x⅝ in., reversible, solid bronze case, plain finish, 1 strike, 2 escutcheons, 4 tumblers, 3 flat German silver keys, unlimited changes, backset 2¼ in., key operating from either side, w't per doz. 14 lbs., per dozen ..... **BDJJ** $45.00

Keys cannot be duplicated by number.

ONE IN A BOX, WITH SCREWS.



Reversible, Japanned Iron Case.

No. 7—2½x3¼x⅜ in., bronze strike, face and bolt, 2 bronze escutcheons, 4 brass tumblers, 3 flat German silver keys, unlimited changes, backset 1⅝ in., key operating from either side, w't per doz. 22 lbs., per dozen ..... **BEHJ** $48.00

Keys cannot be duplicated by number.

ONE IN A BOX, WITH SCREWS.

MORTISE DEAD.



No. 1203¼—2½x3¼ in., japanned iron case, cast bronze front, 4⅛x1⅛ in., cast bronze cylinder, on one side only, with 5 ball bearing pin tumblers, 3 German silver keys, all different, for doors 1¼ to 2⅛ in., backset 2¾ in., w't per doz. 20 lbs., per dozen ..... **CGBJ** $57.00

No. 1203½—2 cast bronze cylinders, w't per doz. 25 lbs., otherwise same as No. 1203¼ ....per dozen **EDJJ** $85.00

ONE IN A BOX, WITH SCREWS.

MORTISE NIGHT LATCHES.



No. 1294—3½x3½ in., japanned iron case, reversible, easy spring, bronze latch bolt, cast bronze front, 5⅛x1⅛ in. and strike, bronze turn knob, one bronze cylinder with 5 ball bearing pin tumblers, for doors 1¼ to 2½ in., 3 German silver keys, all different, backset 2¾ in., w't per doz. 18 lbs. .....per dozen **CIFJ** $67.50

ONE IN A BOX, WITH SCREWS.

CUPBOARD.



4 Inch Polished Case and Strike, Beveled Bolt, Polished Fancy Key, Polished Oval Knob, 3¼x1 Inch Escutcheon, for ½ to ¾ Inch Wood, Backset ⅞ Inch, Not Reversible.

No. OC711-RH—Right hand, all bronze, polished, old copper finish, per dozen ..... **AAAE** $19.00

No. OC711-LH—Left hand, otherwise same as above, per doz. **AAAE** $19.00

No. DB711-RH—Right hand, all brass, dull brass or lemon brass finish, per dozen ..... **AAAE** $20.00

No. DB711-LH—Left hand, otherwise same as above, per doz. **AAAE** $20.00

ONE DOZEN IN A BOX, WITH SCREWS. W'T PER DOZEN 5 LBS.

MORTISE KNOB.



3½x3¼ Inches, Japanned Case, Reversible, Backset 2¾ Inches.

No. 2611—Lacquered iron front, iron bolts, wrought iron strike, tinned iron key, 1 tumbler, per dozen ..... **AGE** $2.75

No. 2612—Lacquered iron front, iron bolts, wrought iron strike, nickel plated steel key, 1 tumbler, per dozen ..... **BDJ** $4.25

No. 2623—Heavy brass front, brass bolts, hub and strike, nickel plated steel key, 1 tumbler, per dozen ..... **CHE** $5.75

No. 1090—Light brass front, brass bolts, hub and strike, nickel plated steel key, 1 tumbler, per dozen **DAJ** $5.75

No. 1093—Heavy brass front, brass bolts, hub and strike, 2 nickel plated steel keys, 3 tumblers, per dozen ..... **JFFJ** $12.00

No. OC1093—Old Copper finish, heavy brass front, brass bolts, hub and strike, 2 nickel plated steel keys, 3 tumblers....per dozen **JGBJ** $12.00

No. DB1093—Dull brass finish, otherwise same as No. OC1093, per dozen ..... **JGBJ** $12.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS. W'T PER DOZEN 13 LBS. TWELVE DOZEN IN A CASE.

3½x3¼ Inches, Japanned Iron Case, Reversible, One Tumbler, Nickel Plated Solid Steel Key, Backset 2½ Inches, Spacing 2¾ Inches.

No. OC2614—Polished old copper finish, per dozen ..... **CJJ** $6.60

No. OC2615—Polished old copper finish, per dozen ..... **JDHJ** $10.50

No. P2616—Plain cast bronze metal front and bolts, wrought bronze metal strike .....per dozen **JFJJ** $11.50

No. OC2616—Polished old copper finish, per dozen ..... **JFGJ** $13.00

4x3⅜ Inches Japanned Iron Case, Reversible, Heavy Brass Front and Bolts, Brass Hub and Strike, 3 Wrought Tumblers, 36 Changes, Backset 2⅝ Inches.

No. 2743—Nickel plated steel key, w't per doz. 16 lbs., per doz. **AEFJ** $26.00

No. 2743½—2 nickel plated steel keys, w't per doz. 16 lbs., per dozen ..... **AFBJ** $28.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS. TWELVE DOZEN IN A CASE.

KEY PLATES, KNOBS, SPINDLES, ETC.

DOOR KNOBS.



No. 100—2¼ in. rim, mineral knobs, with japanned necks and rose, per dozen ..... **JIJ** $1.80

No. 102—2¼ in. mortise, mineral knobs, with japanned necks and roses, per dozen ..... **JIJ** $1.80

ONE-HALF DOZEN IN A BOX. AVERAGE W'T ABOUT 11 LBS. PER DOZEN.



No. 200—2¼ in., rim, porcelain knobs, with japanned necks and rose, per dozen ..... **JIE** $2.10

No. 202—2¼ in., mortise, porcelain knobs, with japanned necks and roses, per dozen ..... **JIE** $2.10



No. 203—2¼ in., rim, jet knobs, with japanned necks and rose, per dozen ..... **JIE** $2.10

No. 205—2¼ in., mortise, jet knobs, with japanned necks and rose, per dozen ..... **JIE** $2.10

No. 0205—2¼ in., mortise, jet knobs, with japanned necks without roses, per dozen ..... **JIE** $2.00

ONE-HALF DOZEN IN A BOX. AVERAGE W'T ABOUT 12 LBS. PER DOZEN.

DOOR KNOBS.



Plain Pattern.

No. OC44—2¼ in., rim, old copper plated steel knobs, with rose, per dozen ..... **EJE** $6.50

No. OC141—2¼ in., mortise, old copper plated iron, with roses, per dozen ..... **DAJ** $7.50

No. OC0141—2¼ in., mortise, without roses, otherwise same as No. OC141, per dozen ..... **CFJ** $6.75



No. 3 Finish.

No. 400—2¼ in., rim, bronzed iron, with polished raised surfaces, per dozen ..... **CAJ** $5.75

No. 402—2¼ in., mortise, bronzed iron, with polished raised surfaces, per dozen ..... **CAJ** $5.75

ONE-HALF DOZEN IN A BOX. AVERAGE W'T ABOUT 11 LBS. PER DOZEN.

KNOB SPINDLES.



No. 1—5/16x3½ in., knob spindles, plain, per dozen ..... **DH** $0.75

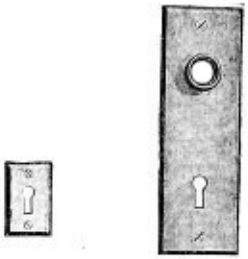
No. 2—5/16x4¼ in., knob spindles, plain, per dozen ..... **EC** $0.75

No. 5—5/16x4¼ in., swivel knob spindles, per dozen ..... **ACJ** $1.90

Knob Screws, blued, per gross **AH** .50

Knob Washers.....per pound **DH** .75

ESCUTCHEONS.



No. OC150. No. OC151.

Plain Pattern, Key Plate.

No. OC150—1¼x1½ in., wrought steel, old copper finish, per doz. **DB** $0.65

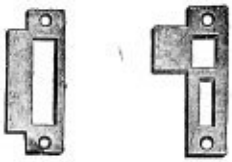
TWO DOZEN IN A BOX. W'T ½ LB. PER DOZEN.

Plain Pattern, Combined.

No. OC151—5½x1¾ in., wrought steel, old copper finish, for 3½ in. locks, spacing 2¼ in., per dozen **JHE** $1.10

ONE DOZEN IN A BOX. W'T 1¾ LBS. PER DOZEN.

LOCK STRIKES.



For Mortise Locks.

No. 101—Lacquered iron, for 3½ in. locks .....per dozen **DH** $0.65

No. 116—Brass, for 3½ in. locks, per dozen ..... **JEE** $1.15

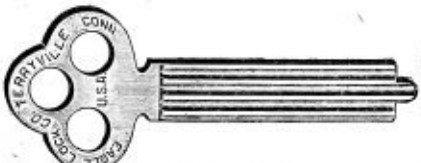
No. 117—Brass, for 4 in. locks, per dozen ..... **JHJ** $1.15

LOCK SPRINGS.

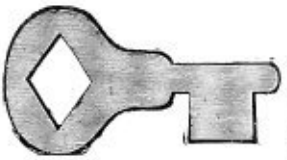
No. 24—Flat, ⅞ in. wide, 24 guage, in coils of 3 ft. each, per dozen coils ..... **DH** $0.90

ONE DOZEN COILS IN A BOX.

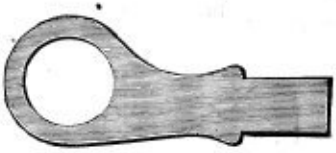
KEY BLANKS.



No. 2735—For Eagle padlocks, per dozen .....F J $0.95



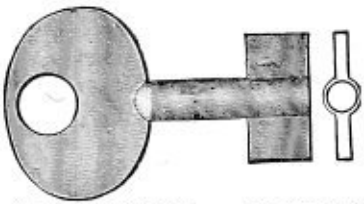
No. 02756—For Miller padlocks, per dozen .....B E $0.40



No. 2762—For Miller padlocks, per dozen .....B E $0.40



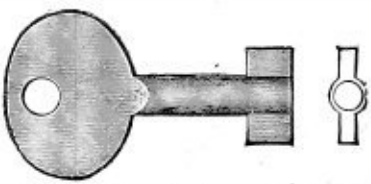
No. 3800—Chest blanks .....per dozen J F E $1.45



No. 3290—8 lever padlock blanks .....per dozen J F J $1.20



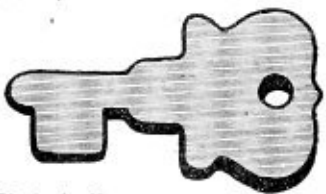
No. 3815—Chest blanks .....per dozen J F E $1.45



No. 3287—6 lever padlock blanks .....per dozen J F J $1.20



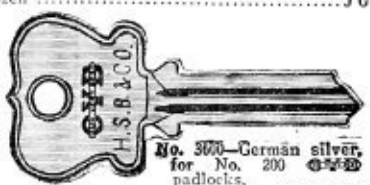
No. 1029-A—Steel, for R. & E. locks....per dozen J F E $1.45
No. 1629-A—Malleable, for R. & E. locks, per dozen A I .35



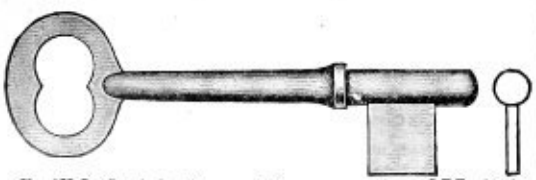
No. 3700—Blanks for No. 100 padlocks, per dozen .....J G J $1.20



No. 970-A—Steel, for Corbin locks.....per dozen J F E $1.45
No. 1970-A—Malleable, for Corbin locks, per dozen A I .35



No. 3000—German silver, for No. 200 padlocks, per dozen ..A J J $1.90



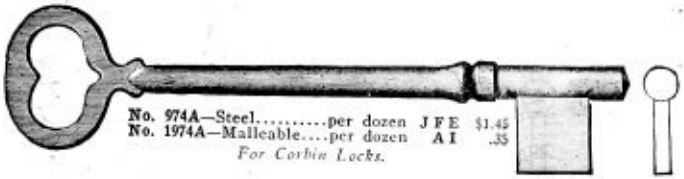
No. 975-B—Steel, for Barrows locks .....per dozen, J F E $1.45
No. 1975-B—Malleable, for Barrows locks, per dozen A I .35



No. 3500—Blanks for No. 150 REVERSE Padlocks, per dozen .....J I J $1.50

ALL KEYS ON THIS AND SUCCEEDING PAGES ARE SHOWN ACTUAL SIZE.

KEY BLANKS.



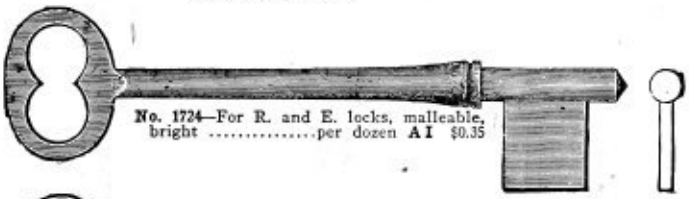
No. 974A—Steel.....per dozen J F E $1.45
No. 1974A—Malleable....per dozen A I .35
For Corbin Locks.



No. 1042—Steel, per dozen..... J F E $1.45
No. 1642—Malleable, per dozen.....A I .35
For R. and E. Locks.



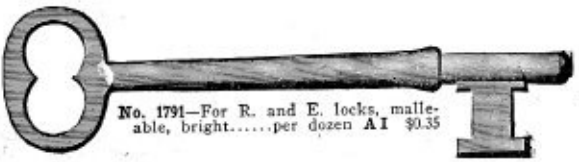
No. 982A—Steel, per dozen..... J F E $1.45
No. 1982A—Malleable, per dozen .....A I .35
For Reading Locks.



No. 1724—For R. and E. locks, malleable, bright .....per dozen **A I** $0.35



No. 1772—For R. and E. locks, malleable, bright .....per dozen **A I** $0.35



No. 1791—For R. and E. locks, malleable, bright.....per dozen **A I** $0.35



No. 1904—For R. and E. locks, malleable, per dozen.....**A I** $0.35



No. 2492C—Flat steel, for Y. and T. locks, per dozen **A I** $0.35



No. 1910—Malleable, for R. and E. locks, per dozen **A I** $0.35



No. 2492—Flat steel, for Y. and T. locks, per dozen **A I** $0.35

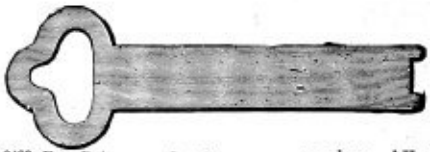


No. 1917—For R. and E. locks, malleable, per dozen **A I** $0.35

KEY BLANKS.



No. 957A—Nickel plated steel, for Sargent locks, per dozen .....**J F E** $1.45
No. 1957A—Malleable, plated, per dozen .....**A I** $0.35



No. 2489 For Bohannon Latches .....per dozen **A H** $0.25



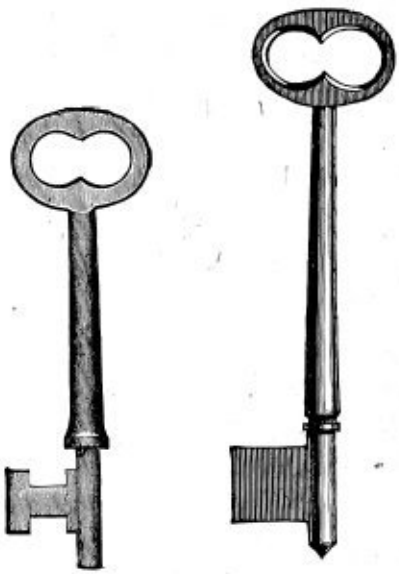
No. 0959—Nickel plated, steel, for Sargent locks, per dozen .....**J F E** $1.45
No. 01959—Malleable, plated, per dozen .....**A I** $0.36



No. 1795.....per dozen **A H** $0.30



No. 959A—Nickel plated steel, for Sargent locks, per dozen ..... **J F E** $1.45
No. 1959A—Malleable, plated, per dozen .....**A I** $0.35





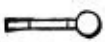
No. 968A—Nickel plated, steel, for Corbin locks, per dozen .....**J F E** $1.45
No. 1968A—Malleable, plated, per dozen .....**A I** $0.35



No. 0969—Nickel plated, steel, for Corbin locks, per dozen .....**J F E** $1.45
No. 01969—Malleable, plated, per dozen .....**A I** $0.35



No. 969A—Nickel plated, steel, for Corbin locks, per dozen .....**J F E** $1.45
No. 1969A—Malleable, plated, per dozen .....**A I** $0.35



No. 1794A.



No. 1877.

No. 1794A—Nickel plated .....per dozen **A H** $0.30
No. 1877—Nickel plated .....per dozen **A I** .35

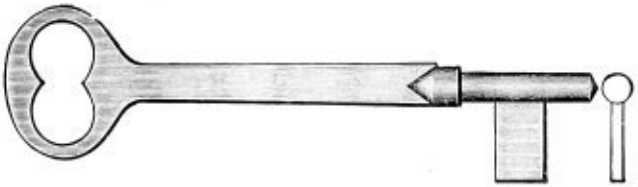


No. 1076—Steel, for Y and T locks, per doz. **J F E** $1.45
No. 1876—Malleable, per dozen .....**A I** $0.35



No. 1794B .....per dozen **A H** $0.30

KEY BLANKS.

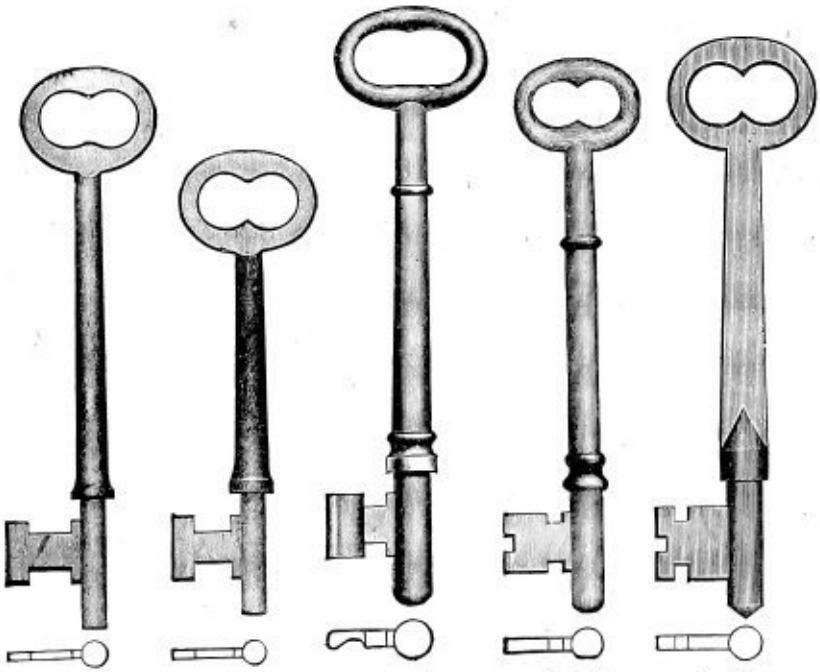


No. 998—Wachter, steel, thin bit, will fit most rim and mortise locks without filing .....per dozen **JGJ** $1.20



No. 1790—Skeleton, malleable .....per dozen **AH** $0.30

THREE DOZEN IN A BOX.

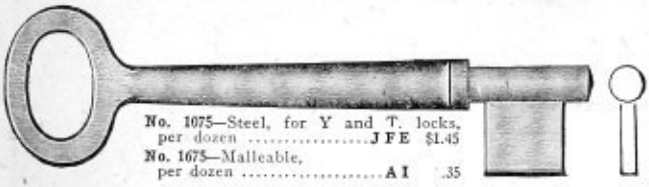


No. 1794 No. 1794A No. 2065 No. 2153 No. 2216

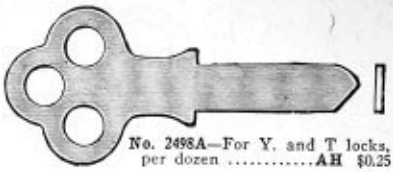
W Assortment—Nickeled malleable cut keys and skeleton keys, will pass most rim and mortise locks, 6 dozen in assortment .....per assortment **AAE** $2.00

SIX DOZEN IN A BOX, ASSORTED OR TO ORDER.

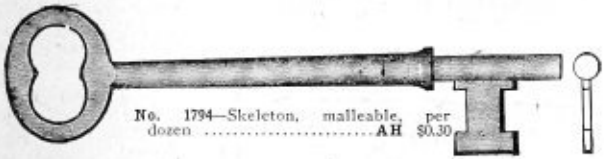
KEY BLANKS.



No. 1075—Steel, for Y and T. locks, per dozen .....JFE $1.45
No. 1675—Malleable, per dozen .....AI .35



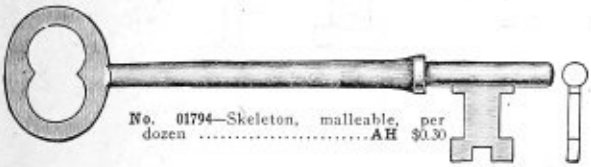
No. 2498A—For Y. and T locks, per dozen .....AH $0.25



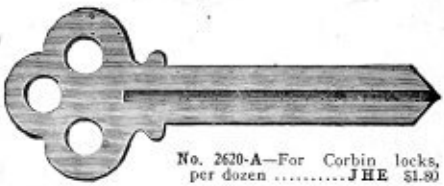
No. 1794—Skeleton, malleable, per dozen .....AH $0.30



No. 2621—For Sargent locks, per dozen .....JID $1.80



No. 01794—Skeleton, malleable, per dozen .....AH $0.30



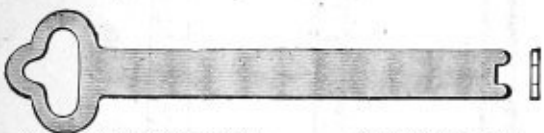
No. 2620-A—For Corbin locks, per dozen .....JHE $1.80



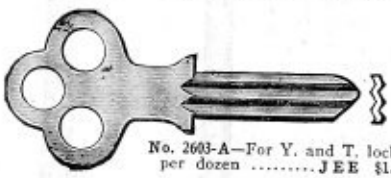
No. 1087A—Steel, for Y and T. locks....per dozen JHE $1.45
No. 1687A—Malleable, per dozen .....AI .35



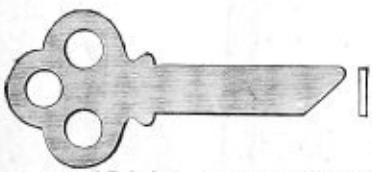
No. 2500—For Y. and T. locks, per dozen .....AH $0.25



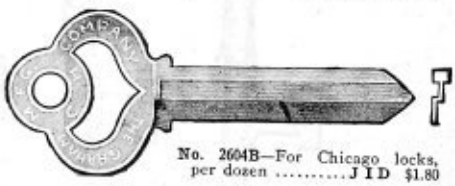
No. 2486—For Bohannon locks .....per dozen AH $0.25



No. 2603-A—For Y. and T. locks, per dozen .....JEE $1.20



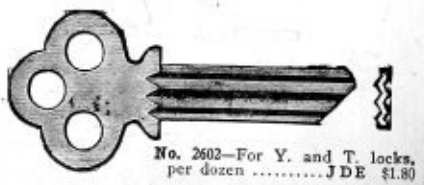
No. 2501—For Y. and T. locks .....per dozen AH $0.25



No. 2604B—For Chicago locks, per dozen .....JID $1.80

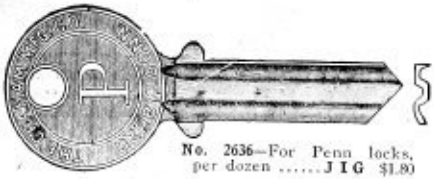


No. 2621D—For Sargent locks .....per dozen JID $1.80

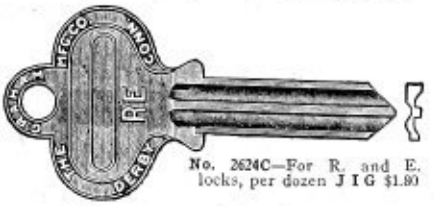


No. 2602—For Y. and T. locks, per dozen .....JDE $1.80

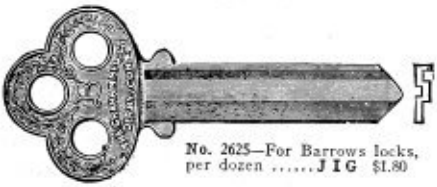
KEY BLANKS.



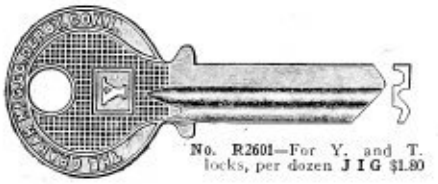
No. 2636—For Penn locks, per dozen .....**J I G** $1.80



No. 2624C—For R. and E. locks, per dozen **J I G** $1.80



No. 2625—For Barrows locks, per dozen .....**J I G** $1.80



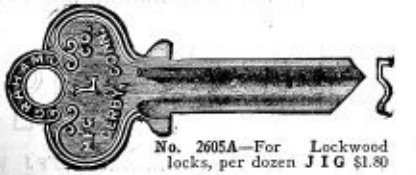
No. R2601—For Y. and T. locks, per dozen **J I G** $1.80



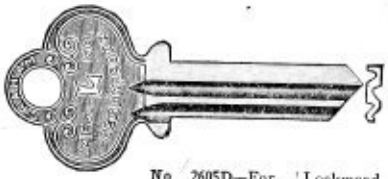
No. 2636C—For Penn locks, per dozen .....**J I G** $1.80



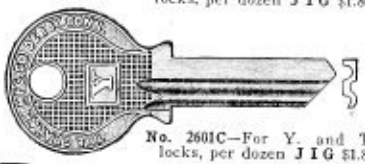
No. 2619—For Corbin locks, per dozen .....**J I G** $1.80



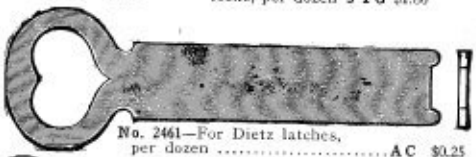
No. 2605A—For Lockwood locks, per dozen **J I G** $1.80



No 2605D—For Lockwood locks, per dozen **J I G** $1.80



No. 2601C—For Y. and T. locks, per dozen **J I G** $1.80



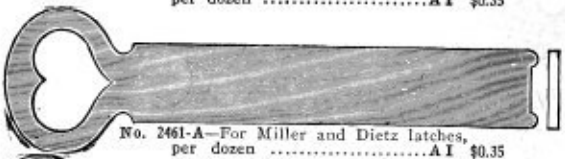
No. 2461—For Dietz latches, per dozen .....**A C** $0.25



No. 2484A—For Miller latches, per dozen .....**A I** $0.35



No. 2419—For store door locks, per dozen .....**A I** $0.35



No. 2461-A—For Miller and Dietz latches, per dozen .....**A I** $0.35

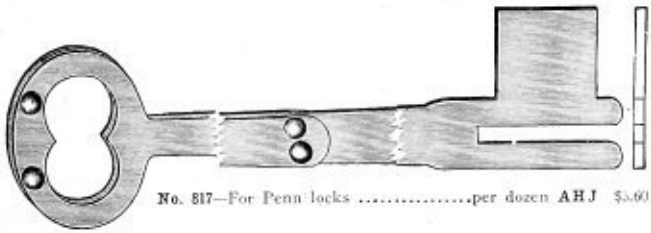


No. 02413—For store door latches, per dozen .....**A I** $0.35



No. 3000—For Night latches, per doz. **J I J** $1.80

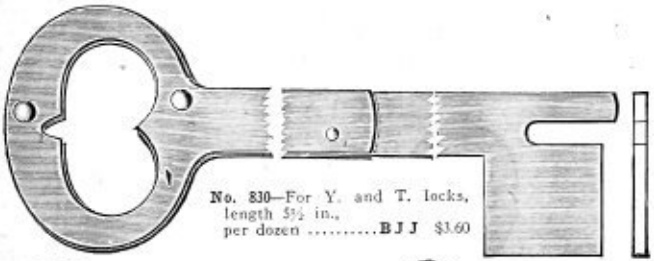
KEY BLANKS.



No. 817—For Penn locks .....per dozen AHJ $3.60



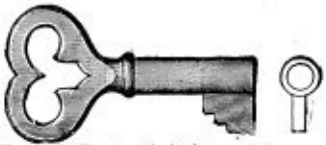
No. 2631-B—For Eagle locks, per dozen .....JIE $1.80



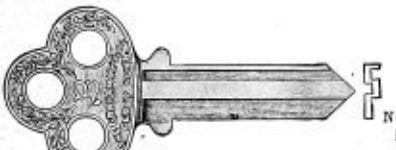
No. 830—For Y. and T. locks, length 3½ in., per dozen .....BJJ $3.60



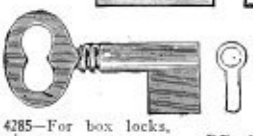
No. 2619-B—For Corbin locks, per dozen .....JIE $1.80



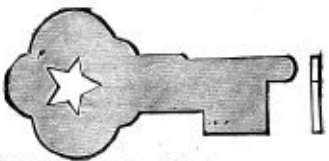
No. 4237—For trunk locks, per dozen .....BD $0.50



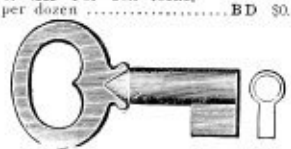
No. 2625A—For Barrows locks, per dozen .....JIE $1.80



No. 4285—For box locks, per dozen .....BD $0.50



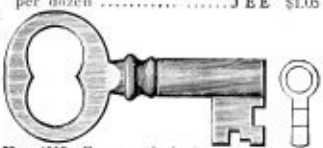
No. 2815—For trunk locks, per dozen .....AH $0.30



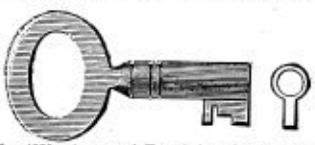
No. 4224—For trunk locks, per dozen .....JEE $1.05



No. 2631-K—For Eagle Locks, per dozen .....JIE $1.80



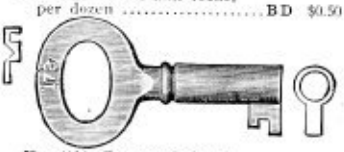
No. 4235—For trunk locks, per dozen .....BD $0.50



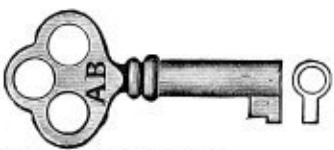
No. 4229—Assorted Excelsior, for trunks, per dozen .....JGJ $1.30



No. 2618-B—For Corbin Locks, per dozen .....JIE $1.80



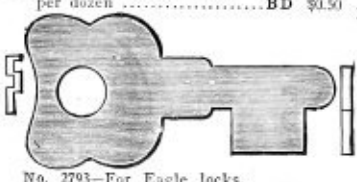
No. 4194—For trunk locks, per dozen .....BD $0.50



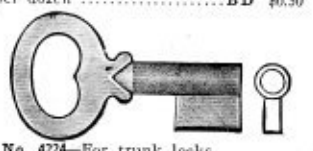
No. 04196—For trunk locks, per dozen .....BD $0.50



No. 2635—For Reading locks, per dozen .....JIE $1.80



No. 2793—For Eagle locks, per dozen .....AH $0.30



No. 4224—For trunk locks, per dozen .....JFJ $1.10

KEY BLANKS.

CABINET.



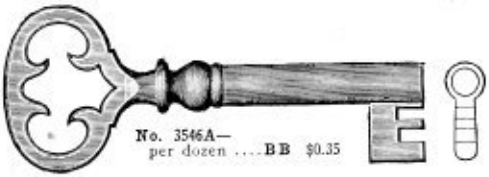
No. 3551A—
per dozen ....BB $0.35



No. 3545A—
per dozen ....BB $0.35



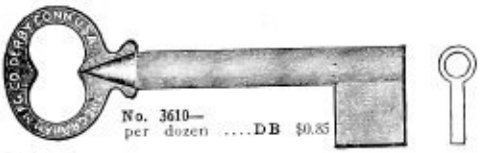
No. 3610B—
per dozen ....DJ $0.84



No. 3546A—
per dozen ....BB $0.35



No. 3565A—
per dozen ....BB $0.35



No. 3610—
per dozen ....DB $0.85



No. 2577A—For drawer locks, etc.,
per dozen ....AH $0.30



No. 3611—
per dozen ....CF $0.85

CABINET.



No. 2686—
per dozen ....AH $0.30



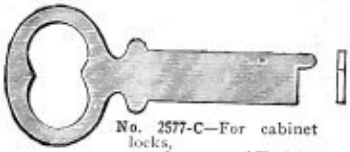
No. 2548—
per dozen ....AH $0.30



No. 2573C—
per dozen ....AH $0.30

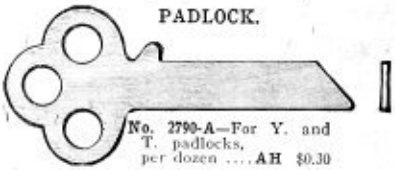


No. 2690—
per dozen ....AH $0.30

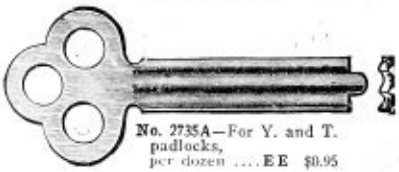


No. 2577-C—For cabinet locks,
per dozen ....AH $0.30

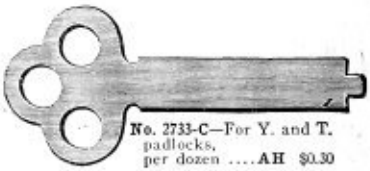
PADLOCK.



No. 2790-A—For Y. and T. padlocks,
per dozen ....AH $0.30



No. 2735A—For Y. and T. padlocks,
per dozen ....EE $0.95



No. 2733-C—For Y. and T. padlocks,
per dozen ....AH $0.30

KEY BLANKS.



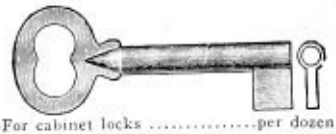
No. 4399-A—For suit case locks.....per dozen **B D** $0.50



No. 2594—For cabinet locks .....per dozen **A H** $0.30



No. 3740—For cabinet locks .....per dozen **C J** $0.55



No. 3742—For cabinet locks .....per dozen **C J** $0.55



No. 3789-A—For suit case locks .....per dozen **C J** $0.55



No. 3588—For cabinet locks .....per dozen **A H** $0.30



No. 3587-A—For cabinet locks .....per dozen **A H** $0.30

KEY ASSORTMENTS.

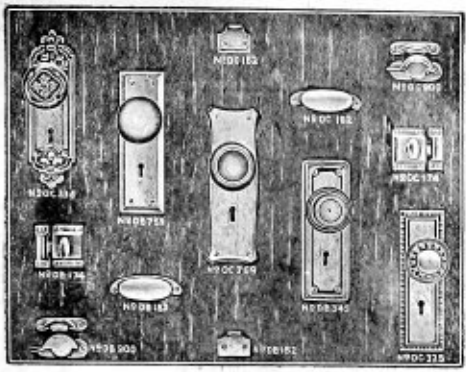


No. 108—Consists of one gross assorted rim, mortise, till, trunk and padlock keys, w't 5½ lbs., per asst. **B G J** $4.00

All the Keys on the preceding pages are shown **ACTUAL SIZE.** This is a great help to you. Keys for which a duplicate is wanted have simply to be laid on the right cuts to prove that the keys ordered will fit exactly. All keys shown are standard sizes for standard locks.

The key business is a steady and profitable one, and a little attention will bring satisfying results. Why not get those results.

BUILDERS' HARDWARE ASSORTMENTS.



No. 1910—Consists of the following—		Retail Value.	
12 only	No. OC335 Inside Sets, Steel	$0.80	$9.60
1 only	No. OC3312 Front Door Lock Sets, Steel	2.50	2.50
12 only	No. OC325 Inside Sets, Steel	.70	8.40
1 only	No. OC3212 Front Door Set, Steel	2.00	2.00
12 only	No. DB345 Inside Sets, Steel	.75	9.05
1 only	No. DB3412 Front Door Set, Steel	2.25	2.20
6 only	No. DB759 Inside Sets, Bronze Metal	1.75	10.55
1 only	No. DB7514 Front Door Set, Brnze. Mtl.	3.75	3.70
6 only	No. OC769 Inside Sets, Bronze Metal	1.80	10.80
1 only	No. OC7614 Front Door Set, Brnze. Mtl.	4.00	4.00
12 only	No. OC174 Cupboard Turns, Iron	.20	2.40
12 only	No. DB174 Cupboard Turns, Iron	.20	2.40
12 only	No. OC182 Drawer Pulls, Iron	.10	1.20
12 only	No. DB182 Drawer Pulls, Iron	.10	1.26
12 only	No. OC162 Sash Lifts, Steel	.03	.36
12 only	No. DB162 Sash Lifts, Steel	.03	.30
12 only	No. OC900 Sash Locks, Steel	.10	1.20
12 only	No. DB900 Sash Locks, Steel	.10	1.20
	Total		$73.12
No. 1910 Assortment	per assortment EAJJ		$73.12

This sample board and assortment has been made up to assist the dealer in selling builder's hardware. It covers only the most necessary items and the patterns included are of the latest and best.

Our charge covers only the cost of the hardware included in the assortment, the oak sample board (18x24 in) and samples being furnished absolutely free.

We carry a full stock of all the items shown on board, also butts and other trimmings which will be needed.

We include also a folder giving numbers and retail selling prices of other items in our stock, to match the patterns and which may be necessary to completely trim a house, also stating what other finishes are carried in stock besides those shown on sample board..

See our builders' hardware catalogue for other patterns.

ORNAMENTAL LOCK SETS.



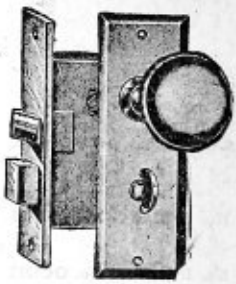
No. 101 Inside Door Set.



No. 105 Inside Door Set.



No. 1012 Front Door Set.



No. 1825 Bath Room Set.

No. 3 Finish. Bronze Plated Front, Strike and Bolts.

No. B101 Inside Lock Sets, 3½x3¼ in., japanned iron case, 2 escutcheons 5½x1⅜ in., 2¼ in. jet knobs, steel key, w't per doz. sets 21 lbs. ..... per dozen sets **CFJ** $9.00

No. B105 Inside Lock Sets, with 2¼ in. bronze plated wrought steel knobs, otherwise same as No. 101, w't per doz. sets 19½ lbs. ..... per dozen sets **JEEJ** $11.00

No. B1012 Front Door Lock Sets, 5x3½ in., japanned iron case, outside escutcheon 8x2½ in., inside plate escutcheon 1¾x1⅝ in., 2¼ in. bronze plated steel knobs, swivel spindle, 2 latch keys, 1 dead bolt key, w't 3 lbs., per set ..... **ADE** $2.75

BATH ROOM LOCK SETS.

No. N1825 Bath Room Door Sets, 3¼x3¼ in., japanned iron case, backset 2¾ in., nickel plated steel front and strike, nickel plated iron bolts, thumb knob, with one 6x2 in. nickel plated steel escutcheon, one 2¼ in. knob, w't per doz. sets 21 lbs. ..... per dozen sets **JHDJ** $16.50

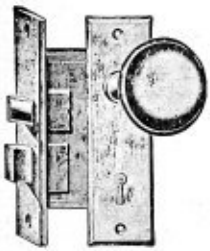
No. N825 Bath Room Door Sets, nickel plated bronze, otherwise same as No. N1825 ..... per dozen sets **AADJ** 20.90

ONE SET IN A BOX, WITH SCREWS.

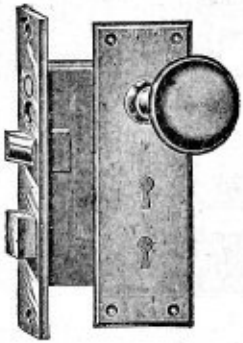
FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

LOCK SETS AND TRIMMINGS.

PLAIN DESIGN—WROUGHT STEEL.



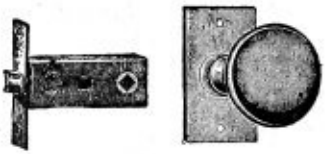
No. 125 Inside Door Set.



No. 1212 Front Door Set.



No.1221 Sliding Door Set.



No.1220 Mortise Latch Set.

Dull or Lemon Brass.	Polished Old Copper.	Bronze Plated Front, Strike and Bolts.
	No. OC121	Inside Lock Sets, 3⅝x3⅝ in., japanned iron case, backset 2¾ in., 2 escutcheons 5½x1¾ in., 2¼ in. jet knobs, steel key, w't per doz. sets 25 lbs.....per dozen sets **JCIJ** $10.00
No. DB125	No. OC125	Inside Lock Sets, 3⅝x3⅝ in., japanned iron case, backset 2¾ in., 2 escutcheons 5½x1¾ in., 2¼ in. bronze plated steel knobs, steel key, w't per doz. sets 23 lbs.....per dozen sets **JDHJ** $13.00
No. DB1212	No. OC1212	Front Door Lock Sets, 5x3½ in., japanned iron case, backset 2⅝ in., outside escutcheon 7x2¾ in., inside escutcheon 1¾x1 in., 2¾ in. steel knobs, swivel spindle, 2 latch keys, 1 dead bolt key, w't 3 lbs.....per set **ABJ** $3.00
No. DB1221	No. OC1221	Sliding Door Lock Sets, 5x3½ in., japanned iron case, backset 2 in., 2 flush cup escutcheons 6x2 in., for single doors, w't 1¼ lbs.....per set **ABJ** $3.00
No. DB1223	No. OC1223	Sliding Door Lock Sets, 5x3½ in., japanned iron case, flat front, backset 2 in., 4 flush cup escutcheons 6x2 in., for double doors, w't 3¼ lbs.....per set **AIJ** $4.00
No. DB1225	No. OC1225	Sliding Door Lock Sets, 5x3½ in., astragal front, otherwise same as No. 1223, w't 4 lbs., per set★.....**BCJ** 5.00

ONE SET IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*



200 O V B



250 Peyonoc



100 O V B



DB 7518



GC 8118



DB 8218



SB 8518



801 O V B



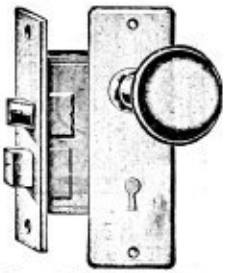
805 O V B



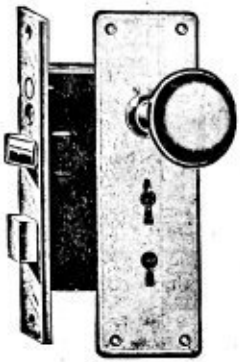
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LOCK SETS AND TRIMMINGS.

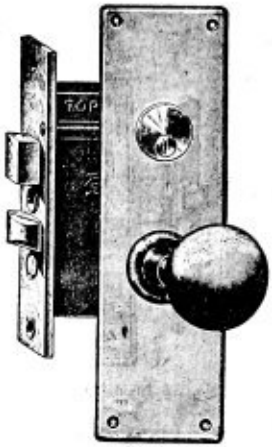
PLAIN DESIGN—BOWER-BARFF STEEL.



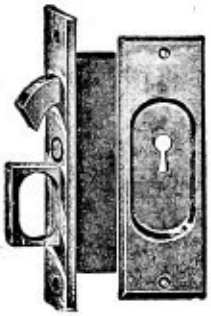
No. 135 Inside Door Set.



No. 1312 Front Door Set.



No. 1318 Front Door Set.



No. 1321 Sliding Door Set.



No. 1356 Push Plate.



No. 1358 Push Button.



No. 1364 Flush Sash Lift.

Bower-Barff Finish. Japanned Iron Case, except No. F136, Bower-Barff Steel Front and Strike, Bronze Bolts.

No. F135	Inside Lock Sets, 3½x3¾ in., backset 2¼ in., 2 escutcheons 6x2 in., 2¼ in. knobs, steel key, w't per doz. sets 24½ lbs.	per dozen sets	AJHJ	$21.00
No. F1312	Front Door Lock Sets, 5x3½ in., backset 2⅝ in., inside escutcheon 1½x1 in., outside escutcheon 7x2¼ in., 2¼ in. knobs, swivel spindle, 2 night latch keys, 1 dead bolt key, w't 3 lbs.	per set	AIJ	$3.60
No. F1318	Front Door Lock Sets, 5x3½ in., with cylinder, adjustable for 1¾ to 2¼ in. doors, backset 2½ in., outside escutcheon 10x2¾ in., inside escutcheon 6x2 in., 2¼ in. knobs, swivel spindle, 3 German silver keys, w't 4½ lbs., per set		JFFJ	$13.00
No. F1319	Front Door and Vestibule Sets, 5x3½ in., vestibule latch, outside escutcheon 10x2¼ in., inside escutcheon 7¼x2¼ in., otherwise same as No. 1318, complete with No. 1318 front door set, w't 11 lbs.★	per set	ABJJ	$21.00
No. F1321	Sliding Door Lock Sets, 5x3½ in., backset 2 in., 2 escutcheons 6x2 in., for single doors, w't 2 lbs., per set★		AFJ	$2.70
No. F1323	Sliding Door Lock Sets, 5x3½ in., flat front, backset 2 in., 4 escutcheons 6x2 in., for double doors, w't 3½ lbs., per set★		BDJ	$3.75

ONE SET IN A BOX, WITH SCREWS.

No. F1341	Door Knobs, with roses, 2¼ in., w't per doz. 10 lbs.★	per dozen	JFJJ	$11.00
No. F1364	Flush Sash Lifts, 3¼x1½ in., w't per doz. 1 lb.	per dozen	JGJ	1.20
No. F1356	Push Plates, 10x2¾ in., w't per doz. 7 lbs.	per dozen	JDCJ	10.00
No. F1358	Push Buttons, 2½ in., w't per doz. 3 lbs.★	per dozen	BIJ	9.00

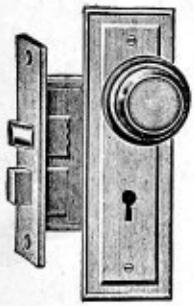
DOOR KNOBS AND PUSH BUTTONS, ONE-HALF DOZEN; PUSH PLATES AND SASH LIFTS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

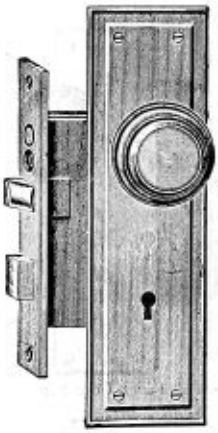
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

PURITAN DESIGN—WROUGHT STEEL.



No. 235 Inside Door Set.



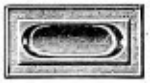
No. 2312 Front Door Set.



No. 2321 Sliding Door Set.



No. 2356 Push Plate.



No. 2364 Flush Sash Lift.



No. 2365 Drop Drawer Pull



No. 2341 Door Knob.



No. 2358 Push Button.

Old Copper Finish.	Dull or Lemon Brass.	Japanned Iron Case, Plated Front, Strike and Bolts.		
No. OC235	No. DB235	Inside Lock Sets, 3½x3½ in., backset 2¼ in., 2 escutcheons 7x2¼ in., 2¼ in. knobs, steel key, w't per doz. sets 25½ lbs. ..... per dozen sets	JFJJ	$12.75
No. OC2312	No. DB2312	Front Door Lock Sets, 5x3½ in., backset 2⅝ in., 10x3 in. outside escutcheon, 7x2¼ in. inside escutcheon, 2¼ in. knobs, swivel spindle, 2 steel keys, w't 3 lbs. ..... per set	AGJ	$3.25
No. OC2321	No. DB2321	Sliding Door Lock Sets, 5x3½ in., backset 2 in., 2 cup escutcheons 6x2½ in., for single doors, w't 2 lbs. ..... per set	ACJ	$2.80
No. OC2323	No. DB2323	Sliding Door Lock Sets, 5x3½ in., flat front, backset 2 in., 4 cup escutcheons 6x2½ in., for double doors, w't 3½ lbs. ..... per set	BAE	$4.25
No. OC2325	No. DB2325	Sliding Door Lock Sets, 5x3½ in., astragal front, otherwise same as No. 2323, w't 3¾ lbs., per set★	BEJ	5.00
		ONE SET IN A BOX, WITH SCREWS.		
No. OC2341	No. DB2341	Door Knobs, 2¼ in., with roses, w't per doz. 8 lbs. ..... per dozen	DEJ	8.50
No. OC2364	No. DB2364	Flush Sash Lifts, 3¼x1¾ in., w't per doz. ½ lb. ..... per dozen	JHE	1.40
No. OC2365	No. DB2365	Drop Drawer Pulls, 4x1½ in., w't per doz. 2 lbs. ..... per dozen	BEJ	4.00
No. OC2356	No. DB2356	Push Plates, 10x3 in., w't per doz. 5 lbs. ..... per dozen	JCIE	10.50
No. OC2358	No. DB2358	Push Buttons, 3¼x1¾ in., w't per doz. 1 lb. ..... per dozen	CIE	7.00

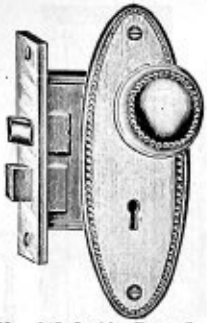
DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, THREE DOZEN; DRAWER PULLS, TWO DOZEN; PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

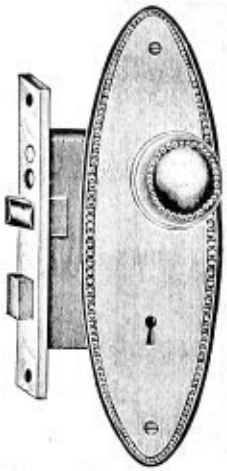
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

OVAL BEADED DESIGN—WROUGHT STEEL.



No. 245 Inside Door Set.



No. 2412 Front Door Set.



No. 2421 Sliding Door Set.



No. 2465 Drop Drawer Pull.



No. 2456 Push Plate.



No. 2441 Door Knob.



No. 2464 Flush Sash Lift.



No. 2541 Door Knob.



No. 2458 Push Button.

Old Copper Finish.		
	Japanned Iron Case, Bronze Plated Front, Strike and Bolts.	
No. OC245	Inside Lock Sets, 3⅝x3¼ in., backset 2½ in., 2 escutcheons 7⅛x2⅛ in., 2¼ in. round knobs, steel key, w't per doz. sets 26 lbs. ..... per dozen sets **JEAJ**	$12.00
No. OC255	Inside Lock Sets, with 2⅜ in. oval knobs, otherwise same as No. 245, w't per doz. sets 25½ lbs., per dozen sets ..... **JEAJ**	12.00
No. OC2420	Latch Sets, 3¼x1⅝ in. escutcheons, 3¼x1¼ in. latch, 2¼ in. round knobs, w't per doz. sets 12 lbs., per dozen sets ..... **JEAJ**	10.00
No. OC2520	Latch Sets, 2¼ in. oval knobs, otherwise same as No. 2420. ..... per dozen sets **JEAJ**	10.00
No. OC2412	Front Door Lock Sets, 4½x3½ in., backset 2⅝ in., outside escutcheon 10⅛x3¼ in., inside escutcheon 7⅛x2⅜ in., 2¼ in. round knobs, 2 keys, w't 3 lbs. ..... per set **ACJ**	$3.00
No. OC2512	Front Door Lock Sets, 2⅜ in. oval knobs, otherwise same as No. 2412, w't 3 lbs. ..... per set **ACJ**	3.00
No. OC2421	Sliding Door Lock Sets, 4⅛x3⅛ in., backset 2½ in., 2 flush cup escutcheons 7⅛x2½ in., for single doors, w't 2 lbs. ..... per set **ABJ**	$2.40
No. OC2423	Sliding Door Lock Sets, 4⅛x3⅛ in., flat front, backset 2½ in., 4 flush cup escutcheons 7⅛x2½ in., for double doors, w't 3¼ lbs. ..... per set **AIJ**	$3.60
No. OC2425	Sliding Door Lock Sets, 4⅛x3⅜ in., astragal front, otherwise same as No. 2423, w't 4¼ lbs.★ ..... per set **BFE**	4.25
	ONE SET IN A BOX, WITH SCREWS.	
No. OC2441	Door Knobs, round, 2¼ in., with roses, w't per doz. 8 lbs.★ ..... per dozen **DHJ**	8.00
No. OC2541	Door Knobs, oval, 2⅜ in., with roses, w't per doz. 7 lbs.★ ..... per dozen **DHJ**	8.00
No. OC2464	Flush Sash Lifts, 4¼x1½ in., w't per doz. ¾ lb. ..... per dozen **JGJ**	1.60
No. OC2465	Drop Drawer Pulls, 4¼x1½ in., w't per doz. 2 lbs. ..... per dozen **BDJ**	5.00
No. OC2456	Push Plates, 11½x3 in., w't per doz. 4½ lbs. ..... per dozen **CFJ**	8.00
No. OC2458	Push Buttons, 4½x1½ in., w't per doz. 1 lb. ..... per dozen **DCJ**	7.00

DOOR KNOBS, PUSH BUTTONS AND PUSH PLATES, ONE-HALF DOZEN; SASH LIFTS AND DRAWER PULLS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

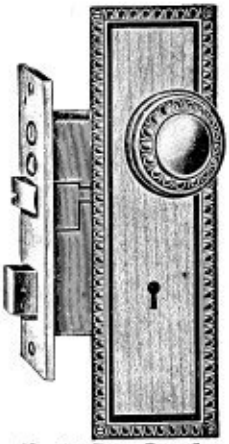
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

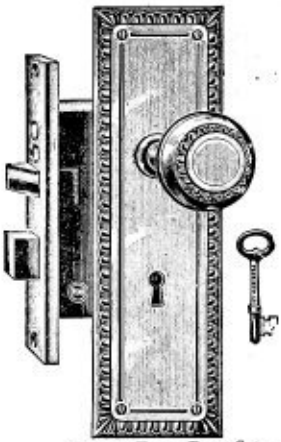
ANDROS DESIGN— WROUGHT STEEL.



No. 325 Inside Door Set.



No. 3212 Front Door Set.



No. 3214 Front Door Set.



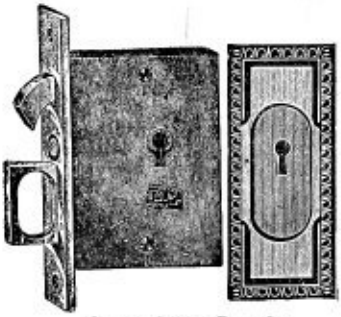
No. 3256 Push Plate.



No. 3264 Flush Sash Lift.



No. 3241 Door Knob.



No. 3221 Sliding Door Set.



No. 3220
Inside Latch Set.



No. 3258 Push Button.

Old Copper.	Dull or Lemon Brass.	Japanned Iron Case, Plated Front, Strike and Bolts.		
No. OC325	No. DB325	Inside Lock Sets, 3½x3¾ in., backset 2¾ in., 2 escutcheons 7x2¼ in., 2¼ in. knobs, steel key, w't per doz. sets 25½ lbs.	per dozen sets DHJ	$12.00
No. OC3220	No. DB3220	Inside Latch Sets, 3¼x1⅝ in., 2 escutcheons 3½x1⅝ in., 2¼ in. knobs, w't per doz. sets 18 lbs., per dozen sets	EAJ	$9.00
No. OC3214	No. DB3214	Front Door Lock Sets, **wrought bronze metal,** 5x3½ in., outside escutcheon 10x3 in., inside escutcheon 7x2½ in., 2¼ in. knobs, swivel spindle, 3 keys, latch and dead bolt both operated through one key-hole, w't per set 3½ lbs.	per set BAE	$3.60
No. OC3212	No. DB3212	Front Door Lock Sets, 5x3¾ in., backset 2¾ in., outside escutcheon 10x3 in., inside key plate and rose, 2¼ in. knobs, 2 keys, w't 3⅛ lbs.	per set ACJ	$3.30
No. OC3221	No. DB3221	Sliding Door Lock Sets, 5x3¾ in., backset 2¾ in., 2 escutcheons 6x2½ in., for single doors, w't 2 lbs.	per set ACJ	$2.40
No. OC3223	No. DB3223	Sliding Door Lock Sets, 5x3¾ in., flat front, backset 2¾ in., 4 escutcheons 6x2½ in., for double doors, w't 3¼ lbs.	per set AIJ	$3.60
No. OC3225	No. DB3225	Sliding Door Lock Sets, 5x3¾ in., astragal front, otherwise same as No. 3223, w't 4 lbs., per set★	BDJ	$4.25

ONE SET IN A BOX, WITH SCREWS.

No. OC3241	No. DB3241	Door Knobs, 2¼ in., with roses, w't per doz. 9 lbs.★	per dozen DFJ	$8.00
No. OC3264	No. DB3264	Flush Sash Lifts, 3¼x1¼ in., w't per doz. ¾ lb.	per dozen JHE	1.20
No. OC3256	No. DB3256	Push Plates, 10x3 in., w't per doz. 5¼ lbs.	per dozen DBJ	8.00
No. OC3258	No. DB3258	Push Buttons, 3¼x1¾ in., w't per doz. ¾ lb.	per dozen DBJ	7.50

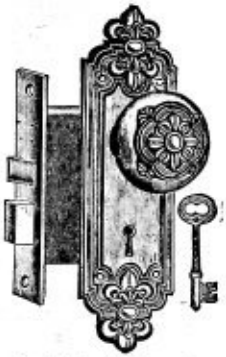
DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, TWO DOZEN; PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

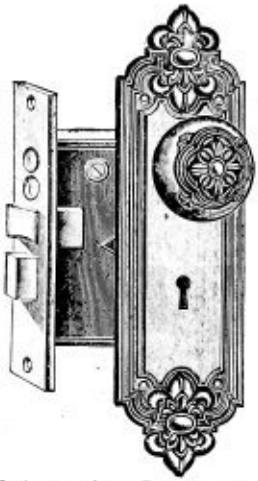
★FOR FACTORY SHIPMENT ONLY.

LOCK SETS AND TRIMMINGS.

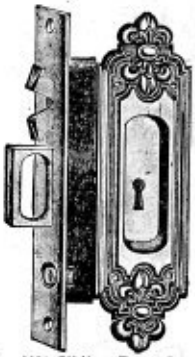
LEROY DESIGN—WROUGHT STEEL.



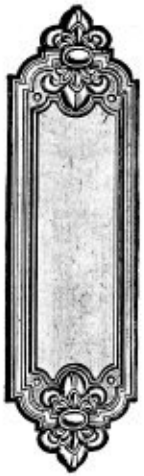
No. 335 Inside Door Set.



Nos. 3312 and 3314 Front Door Set.



No. 3321 Sliding Door Set.



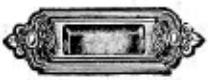
No. 3356 Push Plate.



No. 3320.



No. 3341 Knob.



No. 3364 Flush Sash Lift.



No. 3358 Push Button.

Old Copper.	Dull or Lemon Brass.	Steel Case, Bronze Plated Front, Strike and Bolts.	
No. OC335	No. DB335	Inside Lock Sets, 3½x3 in., backset 2⅛ in., 2 escutcheons 8x2¼ in., 2¼ in. one-piece knobs, steel key, w't per doz. sets 24 lbs.....per dozen sets **JFEE**	$13.50
No. OC3312	No. DB3312	Front Door Lock Sets, 4¾x3⅝ in., backset 2½ in., outside escutcheon 10⅝x2⅞ in., inside escutcheon 3x1⅛ in., 2¼ in. one-piece knobs, swivel spindle, 3 keys, w't 3½ lbs.....per set **BJJ**	$3.75
No. OC3314	No. DB3314	Front Door Lock Sets, 4¾x3⅝ in., **Wrought Bronze Metal,** otherwise same as No. 3312, per set .....**BIJ**	5.00
No. OC3320	No. DB3320	Inside Latch Sets, 3x1½ in., 2 escutcheons 4¼x1½ in., 2¼ in. one-piece knobs, w't per doz. sets 20 lbs.....per dozen sets **JFEE**	$12.00
No. OC3321	No. DB3321	Sliding Door Lock Sets, 5½x3½ in., backset 2 in., 2 escutcheons 8x2¼ in., for single doors, w't 2⅛ lbs.....per set **AEE**	$3.00
No. OC3323	No. DB3323	Sliding Door Lock Sets, 5½x3½ in., flat front, backset 2 in., 4 escutcheons 8x2¼ in., for double doors, w't 3⅛ lbs.....per set **BCJ**	$4.50
No. OC325	No. DB3325	Sliding Door Lock Sets, 5½x3½ in., astragal front, otherwise same as No. 3323, w't 3⅛ lbs., per set .....**BIJ**	5.50
		ONE SET IN A BOX, WITH SCREWS.	
No. OC3341	No. DB3341	Door Knobs, 2¼ in., one-piece, with roses, w't per doz. 8½ lbs.★.....per dozen **EBE**	$9.00
No. OC3364	No. DB3364	Flush Sash Lifts, 4¾x1½ in., w't per doz. 1 lb.....per dozen **JIJ**	2.25
No. OC3356	No. DB3356	Push Plates, 10⅝x2⅞ in., w't per doz. 5 lbs.....per dozen **DCJ**	8.50
No. OC3358	No. DB3358	Push Buttons, 4¼x1½ in., w't per doz. 1 lb.....per dozen **DCJ**	8.00

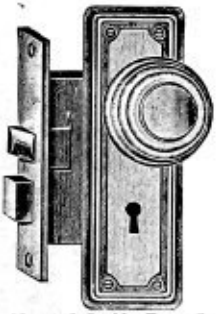
DOOR KNOBS, PUSH PLATES AND PUSH BUTTONS, ONE-HALF DOZEN; SASH LIFTS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

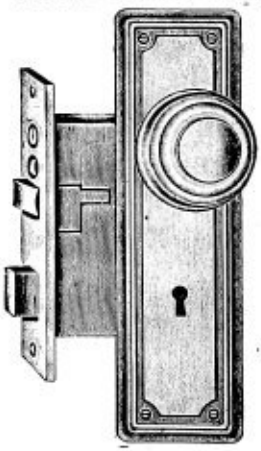
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

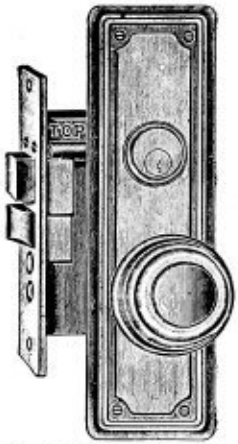
OXFORD DESIGN—WROUGHT STEEL.



No. 345 Inside Door Set.



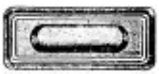
Nos. 3412 and 3414 Front Door Set.



No. 3418 Front Door Set.



No. 3420 Inside Latch Set.



No. 3464 Flush Sash Lift.



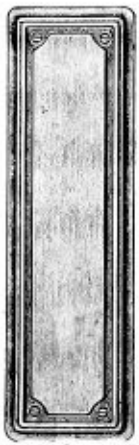
No. 3441 Door Knob.



No. 3421 Sliding Door Set



No. 3465 Drop Drawer Pulh



No. 3456 Push Plate.



Nos. 3458 and 3457 Push Button.

Old Copper.	Dull or Lemon Brass.	
		Cast Case, Bronze Plated Front, Strike and Bolts
No. OC345	No. DB345	Inside Lock Sets, 3¼x3¼ in., backset 2¼ in., 2 escutcheons 7x2⅝ in., 2¼ in. knobs, steel key, w't per doz. sets 26 lbs. ..... per dozen sets **JEDJ** $12.00
No. OC3412	No. DB3412	ront Door Lock Sets, 5x3½ in., backset 2⅝ in., outside escutcheon 10x3 in., 7x2⅛ in. inside escutcheon, 2¼ in. knobs, swivel spindle, 2 keys, w't 3 lbs. ..... per set **AEJ** $2.75
No. OC3414	No. DB3414	Front Door Lock Sets, bronze, with **wrought bronze knobs and escutcheons,** cast bronze front, strike and bolts, otherwise same as No. 3412 ..... per set **BCJ** $4.50
No. OC3418	No. DB3418	Front Door Lock Sets, bronze, 5x3½ in., with cylinder, adjustable for 1¼ to 2¼ in. doors, backset 2¼ in., 10x3 in. bronze outside escutcheon, 7x2⅛ in. bronze inside escutcheon, 2¼ in. bronze knobs, swivel spindle, 3 gold plated German silver keys, w't 4¾ lbs. ..... per set **JFGJ** $12.00
No. OC3421	No. DB3421	Sliding Door Lock Sets, 5x3½ in., backset 2 in., 2 cup escutcheons 6x2½ in., for single doors, w't 2 lbs. ..... per set **ACJ** $2.75
No. OC3423	No. DB3423	Sliding Door Lock Sets, 5x3½ in., flat front, backset 2 in., 4 escutcheons 6x2½ in., for double doors, w't 3½ lbs. ..... per set **BBJ** $4.00
No. OC3425	No. DB3425	Sliding Door Lock Sets, 5x3½ in., astragal front, otherwise same as No. 3423, w't 3¾ lbs., per set★ ..... **BIJ** 5.00
		ONE SET IN A BOX, WITH SCREWS.
No. OC3441	No. DB3441	Door Knobs, 2¼ in., with roses, w't per doz. 3 lbs.★ ..... per dozen **DDJ** 7.50
No. OC3464	No. DB3464	Flush Sash Lifts, 3½x1½ in., w't per doz. ¾ lb ..... per dozen **JHE** 1.50
No. OC3456	No. DB3456	Push Plates, 10x3 in., w't per doz. 5 lbs. ..... per dozen **DBJ** 7.50
No. OC3457	No. DB3457	Push Buttons, bronze, 4x1½ in., for electric bells, w't per doz. 1 lb. ..... per dozen **JEEE** 12.00
No. OC3458	No. DB3458	Push Buttons, steel, 4x1½ in., for electric bells, w't per doz. 1 lb. ..... per dozen **CGE** 7.50
No. OC3465	No. DB3465	Drop Drawer Pulls, 4x1½ in., w't per doz. 2 lbs. ..... per dozen **BFE** 4.00

DOOR KNOBS, ONE-HALF DOZEN; PUSH PLATES, PUSH BUTTONS, AND DRAWER PULLS, ONE DOZEN; SASH LIFTS, TWO DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

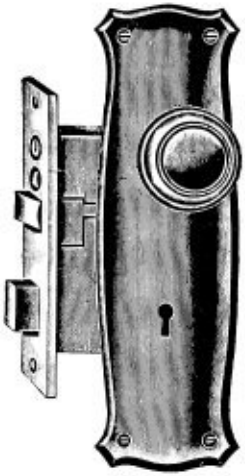
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

MAYFAIR DESIGN—WROUGHT STEEL.



No. 355 Inside Door Set.



No. 1512 Front Door Set.



No. 3521 Sliding Door Set



No. 3556 Push Plate.



No. 3520 Inside Latch Set.



No. 3564 Sash Lift.



No. 3565 Drop Drawer Pull.



No. 3541 Knob.



No. 3558 Push Button.

Old Copper.	Dull or Lemon Brass.	Cast Case, Bronze Plated Front, Strike and Bolts.		
No. OC355	No. DB355	Inside Lock Sets, 3¼x3¼ in., backset 2¼ in., 2 escutcheons 7x2⅛ in., 2¼ in. knobs, steel key, w't per doz. sets 26 lbs. per dozen sets	JEHE	$12.00
No. OC3520	No. DB3520	Inside Latch Sets, 3¼x1½ in., 2 escutcheons 2¼x2¼ in., 2¼ in. knobs, w't per doz. sets 18 lbs., per dozen sets	JEBE	$10.00
No. OC3512	No. DB3512	Front Door Lock Sets, 5x3½ in., backset 2⅝ in., outside escutcheon 10x3 in., 7x2⅛ in. inside escutcheon, 2¾ in. knobs, swivel spindle, 2 keys, w't 3 lbs. per set	ACJ	$2.75
No. OC3521	No. DB3521	Sliding Door Lock Sets, 5x3½ in., backset 2 in., 2 cup escutcheons 6¼x2½ in., for single doors, w't 2 lbs. per set	ADE	$2.75
No. OC3523	No. DB3523	Sliding Door Lock Sets, 5x3½ in., flat front, backset 2 in., 4 cup escutcheons 6¼x2½ in., for double doors, w't 3 lbs. per set	BBJ	$4.00
No. OC3525	No. DB3525	Sliding Door Lock Sets, 5x3½ in., astragal front, otherwise same as No. 3523, w't 3½ lbs., per set★	BIJ	5.00

ONE SET IN A BOX, WITH SCREWS.

No. OC3541	No. DB3541	Door Knobs, 2¼ in., with roses, w't per doz. 8 lbs.★ per dozen	DDJ	$7.50
No. OC3564	No. DB3564	Flush Sash Lifts, 3½x1½ in., w't per doz. ¾ lb. per dozen	JHE	1.50
No. OC3565	No. DB3565	Drop Drawer Pulls, 4x1⅝ in., w't per doz. 2 lbs. per dozen	BFE	4.00
No. OC3556	No. DB3556	Push Plates, 10x3 in., w't per doz. 4 lbs. per dozen	DBJ	7.50
No. OC3558	No. DB3558	Push Buttons, 4x1⅝ in., w't per doz. 1 lb. per dozen	DAJ	7.50

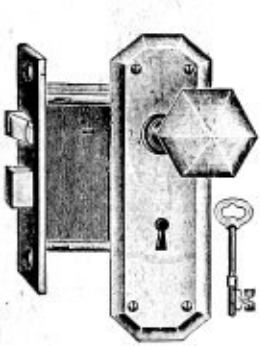
DOOR KNOBS, ONE-HALF DOZEN; PUSH PLATES, PUSH BUTTONS AND DRAWER PULLS, ONE DOZEN; SASH LIFTS, TWO DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

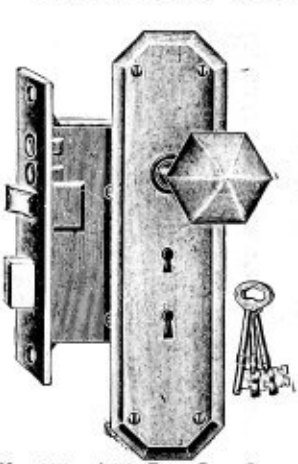
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

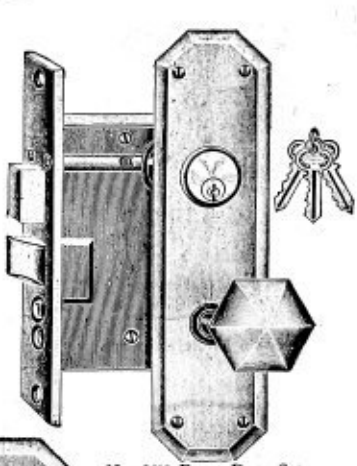
REVERE DESIGN—WROUGHT STEEL.



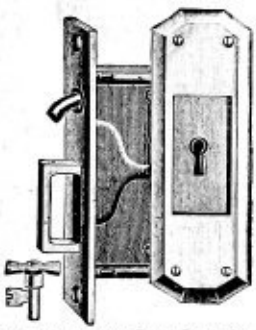
No. 365 Inside Door Set.



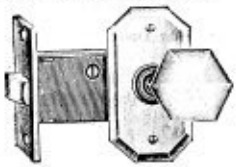
Nos. 3612 and 3614 Front Door Set.



No. 3618 Front Door Set.



No. 3621 Sliding Door Lock Set.



No. 3620 Latch Set.



No. 3664 Flush Sash Lift.



No. 3656 Push Plate.



No. 3658 Push Button.



No. 3665 Drop Drawer Pull.

Old Copper.	Dull or Lemon Brass.	Cast Case, Bronze Plated Front, Strike and Bolts.	
No. OC365	No. DB365	Inside Lock Sets, 3¼x3½ in., easy spring, nickel plated steel key, escutcheons 7x2¼ in., 2⅛ in. knobs, w't per doz. sets 26 lbs.	per dozen sets JGBJ $13.00
No. OC3612	No. DB3612	Front Door Lock Sets, 5x3½ in., swivel spindle, easy spring, 3 nickel plated steel keys, one for dead bolt and two for latch bolt, outside escutcheon 10x2¼ in., inside 7x2¼ in., 2½ in. knobs, w't 2⅝ lbs.	per set BJJ $3.50
No. OC3614	No. DB3614	Front Door Lock Sets, **bronze or brass metal,** otherwise same as No. 3612.	per set BIJ $5.00
No. OC3618	No. DB3618	Front Door Lock Sets, cast case 5¼x3¾ in., with cylinder, adjustable for 1½ to 2½ in. doors, **bronze or brass metal escutcheons,** outside 10x2¼ in., inside 7x2¼ in., swivel spindle, 2½ in. bronze or brass metal knobs, 3 German silver keys, w't 3½ lbs.	per set JGEJ $13.00
No. OC3620		Latch Sets, steel case, plated front, strike and bolt, 2⅛ in. knobs, 2 escutcheons 3⅞x2¼ in., w't per doz. 15 lbs★	per dozen JFFJ $12.00
No. OC3621	No. DB3621	Sliding Door Lock Sets, 5x3½ in. nickel plated steel case, for single door, 2 cup escutcheons 7x2½ in., w't 1½ lbs.	per set AEJ $2.50
No. OC3623	No. DB3623	Sliding Door Lock Sets, 4 escutcheons, for double, flat front doors, otherwise same as No. 3621, w't 3 lbs.	per set BAJ $3.50
No. OC3625	No. DB3625	Sliding Door Lock Sets, 4 escutcheons, for double astragal front doors, otherwise same as No. 3621, w't 1½ lbs.★	per set BGJ $4.00
		ONE SET IN A BOX, WITH SCREWS.	
No. OC3641		Door Knobs, 2⅛ in., with roses, w't per doz. 8 lbs.	per dozen EGJ $0.50
No. OC3664	No. DB3664	Flush Sash Lifts, 3x1½ in., w't per doz. 1 lb.	per dozen JGB 1.20
No. OC3656	No. DB3656	Push Plates, 10x2¼ in., w't per doz. 4¼ lbs.	per dozen DCJ 6.50
No. OC3658	No. DB3658	Push Buttons, 3⅝x2¼ in., w't per doz. 2¼ lbs.	per dozen DEE 7.50
No. OC3665	No. DB3665	Drop Drawer Pulls, 3x1½ in., w't per doz. 3½ lbs.	per dozen CJJ 6.00

PUSH BUTTONS, ONE DOZEN, WITH SCREWS; DOOR KNOBS, ONE-HALF DOZEN; DRAWER PULLS, ONE DOZEN; SASH LIFTS AND PUSH PLATES, THREE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

STRATFORD DESIGN—WROUGHT STEEL.



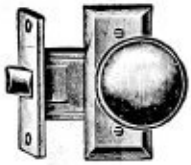
No. 375 Inside Door Set.



No. 3712 Front Door Set.



Sliding Door Lock Set. No. 3723



No. 3720 Latch Set.



No. 3764 Flush Sash Lift.



No. 3756 Push Plate.



No. 3758 Push Button.



No. 3741 Door Knob.



No. 3765 Drop Drawer Pull.

Old Copper.	Dull or Lemon Brass.		
		Japanned Iron Case, Bronze Plated Front, Strike and Bolts.	
No. OC375	No. DB375	Inside Lock Sets, 3¼x3¼ in., solid steel key, 2 escutcheons 7x2¼ in., 2 1¼in. knobs, w't per doz. sets 26 lbs. ..... per dozen sets JDHJ	$12.00
No. OC3712	No. DB3712	Front Door Lock Sets, 5x3½ in., 2 keys, outside escutcheon 8x2½ in., key plate and rose inside, 2¼ in. knobs, w't 3 lbs. ..... per set AEJ	2.75
No. OC3720	No. DB3720	Latch Sets, 3¼x1¼ in., 2 escutcheons 3¼x1¼ in., 2¼ in. knobs, w't per doz. sets 15 lbs., per dozen sets ..... JDHJ	10.00
No. OC3721	No. DB3721	Sliding Door Lock Sets, 5x3½ in., 2 escutcheons 6x2½ in. for single doors, w't per set 2 lbs., per set ..... ACJ	2.75
No. OC3723	No. DB3723	Sliding Door Lock Sets, 4 escutcheons for double flat front doors, otherwise same as No. 3721, w't per set 3 lbs. ..... per set BAE	4.00
		ONE SET IN A BOX, WITH SCREWS.	
No. OC3741	No. DB3741	Door Knobs, 2¼ in. with roses, w't per doz. 8 lbs.★ ..... per dozen DEJ	7.50
No. OC3764	No. DB3764	Flush Sash Lifts, 3¼x1¼ in., w't per doz. ¾ lb. ..... per dozen JGB	1.50
No. OC3765	No. DB3765	Drop Drawer Pulls, 4x1¼ in., w't per doz. 2 lbs. ..... per dozen BFE	4.50
No. OC3756	No. DB3756	Push Plates, 10x3 in., w't per doz. 4 lbs. ..... per dozen BGJ	7.50
No. OC3758	No. DB3758	Push Buttons, 3¼x1¼ in., w't per doz. 1 lb. ..... per dozen DAJ	7.50

DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, DRAWER PULLS, PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

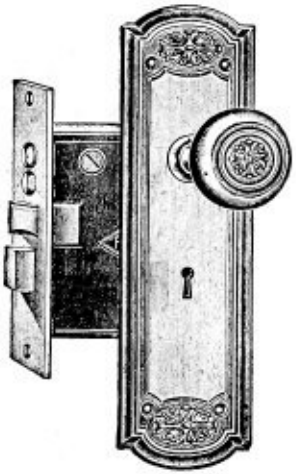
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

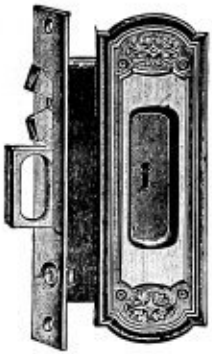
ESSINGTON DESIGN—WROUGHT STEEL.



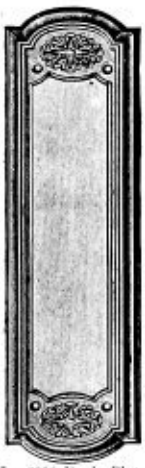
No. 385 Inside Door Set.



No. 3812 Front Door Set.



No. 3821 Sliding Door Set.



No. 3856 Push Plate.



No. 3820 Latch Set.



No.3864 Sash Lift.



No. 3865 Drawer Pull.



No.3858 Push Button.

Old Copper.	Dull or Lemon Brass.	Japanned Iron Case, Bronze Plated Front, Strike and Bolts.		
No. OC385	No. DB385	Inside Lock Sets, 3½x3 in., solid steel key, 2 escutcheons 7½x2¼ in., 2¼ in. knobs, w't per doz. sets 26 lbs.	per dozen sets JFJJ	$12.00
No. OC3812	No. DB3812	Front Door Lock Sets, 4¾x3½ in., outside escutcheon 10½x3 in., key plate and rose inside, 2¼ in. knobs, 3 keys, operating both latch and dead bolt through one key hole, w't per set 3 lbs. per set	BJE	$3.25
No. OC3820	No. DB3820	Latch Sets, 1¼x3 in., 2 escutcheons 4¼x1½ in., 2¼ in. knobs, w't per doz. sets 15 lbs, per dozen sets	JFBJ	10.00
No. OC3821	No. DB3821	Sliding Door Lock Sets, 5½x3½ in., 2 escutcheons 7½x2½ in., for single doors, w't per set 2 lbs., per set	ADE	$2.75
No. OC3823	No. DB3823	Sliding Door Lock Sets, 5½x3½ in., 4 escutcheons 7½x2½ in., for double, flat front doors, w't per set 3 lbs.	per set BAE	$4.00
No. OC3825	No. DB3825	Sliding Door Lock Sets, 5½x3½ in., 4 escutcheons 7½x2½ in., astragal front, for double doors, w't per set 3¼ lbs.★	CJJ	$5.00
		ONE SET IN A BOX, WITH SCREWS.		
No. OC3841	No. DB3841	Door Knobs, 2¼ in., with roses, w't per doz. 8 lbs.★	per dozen FJJ	$7.50
No. OC3864	No. DB3864	Flush Sash Lifts, 1½x4¼ in., w't per doz. ¾ lbs.	per dozen JIJ	1.50
No. OC3865	No. DB3865	Drop Drawer Pulls, 1½x4¼ in., w't per doz. 2 lbs.	per dozen BFE	4.50
No. OC3856	No. DB3856	Push Plates, 10½x3 in., w't per doz. 4 lbs.	per dozen DHJ	7.50
No. OC3858	No. DB3858	Push Buttons, 4¼x1½ in., w't per doz. 1 lb.	per dozen DHJ	7.50

DOOR KNOBS, PUSH PLATES AND PUSH BUTTONS, ONE-HALF DOZEN; SASH LIFTS AND DRAWER PULLS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

REVONOC DESIGN— WROUGHT STEEL.



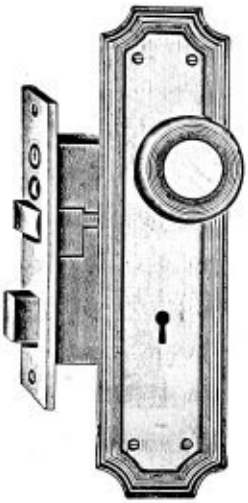
No. 395 Inside Lock Set.



No. 3964 Flush Sash Lift.



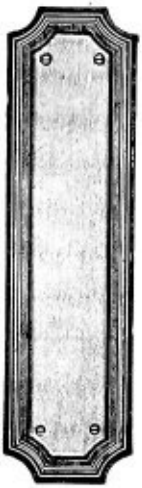
No. 3958 Push Button.



Nos. 3911 and 3912 Front Door Set.



No. 3955 Drop Drawer Pull.



No. 3956 Push Plate.



No. 3941 Door Knobs.



Nos. 3921 to 25 Sliding Door Sets.



No. 3920 Inside Latch Set.

Old Copper.	Dull Brass.	Japanned Iron Case, Plated Steel Front, Strike and Bolts.
No. OC395	No. DB395	Inside Lock Sets, 3½x3¼ in., backset 2⅛ in., 2 escutcheons 7½x2½ in., 2¼ in. one-piece knobs, solid steel keys, w't per doz. sets 27 lbs.....per dozen sets JFFJ $12.50
No. OC3920	No. DB3920	Latch Sets, 3½x1¼ in., 2⅝ in. backset, 2¼ in. one-piece knobs, two design roses, 3¼x1½ in., ⅞ in. spindle, w't per set 1¾ lbs.....per dozen sets JFJJ $10.00
No. OC395X3	No. DB395X3	Lock Sets with three tumbler locks, 48 changes, otherwise same as No. 395, per dozen sets .....JIIJ 16.00
No. OC3911	No. DB3911	Front Door Lock Sets, 5x3⅝ in., backset 2¾ in., bolt and latch operated from outside by same key, bolt operated inside by thumb-turn, 2 nickel plated, solid steel keys, outside escutcheon 11x3 in., inside escutcheon 7½x2½ in., 2½ in. one-piece knobs, ⅞ in. swivel spindle, w't per set 3¼ lbs.....per set BDJ $4.00
No. OC3912	No. DB3912	Front Door Lock Sets, 5x3⅝ in., backset 2¾ in., outside escutcheon 11x3 in., inside key plate and rose, 2¼ in. one-piece knobs, bolt and latch operated from outside and inside by same key, 2 nickel plated solid steel keys, w't per set 3 lbs.....per set AGJ $2.90
No. OC3921	No. DB3921	Sliding Door Lock Sets, 5x3⅝ in., backset 2¼ in., 2 escutcheons 7½x2½ in., for single doors, w't per set 2 lbs.....per set AEE $2.75
No. OC3923	No. DB3923	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 escutcheons 7½x2½ in., for double doors, w't per set 3½ lbs.....per set BDJ $4.00
No. OC3925	No. DB3925	Sliding Door Lock Sets, 5x3⅝ in., astragal front, otherwise same as No. 3923, w't per set 3¼ lbs., per set★ .....CJJ $5.00
		ONE SET IN A BOX, WITH SCREWS.
No. OC3941	No. DB3941	Door Knobs, 2½ in., with roses, w't per doz. 8 lbs.★.....per dozen EDJ $9.00
No. OC3964	No. DB3964	Flush Sash Lifts, 3½x1½ in., w't per doz. ⅞ lb.....per dozen JIJ 1.50
No. OC3965	No. DB3965	Drop Drawer Pulls, 1½x3¼ in., w't per doz. 1¼ lbs.....per dozen BFE 4.50
No. OC3956	No. DB3956	Push Plates, 11x3 in., w't per doz. 6 lbs.....per dozen DEJ 7.00
No. OC3958	No. DB3958	Push Buttons, 3¼x1½ in., w't per doz. ¾ lb.....per dozen CHE 7.00

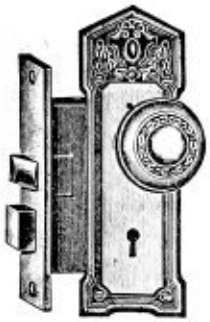
DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, TWO DOZEN; PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

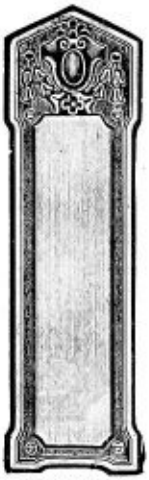
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

VERNON DESIGN—WROUGHT STEEL.



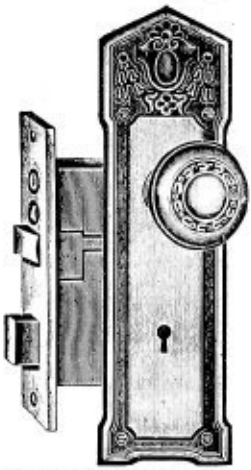
No. 405 Inside Lock Set.



No. 4056 Push Plates.



No. 4021 Sliding Door Lock Set.



No. 4012 Front Door Lock Set.



No. 4041 Door Knob.



No. 4064 Flush Sash Lifts.



No. 4058 Push Button.



No. 4065 Drop Drawer Pulls.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Plated Steel Front, Strike and Bolts.	
No. OC405	No. DB405	Inside Lock Sets, 3½x3¾ in., backset 2¾ in., 2 escutcheons 7½x2⅝ in., 2¼ in. two-piece knob, one steel key, w't per doz. sets 27 lbs.....per dozen sets **FCJ**	$12.00
No. OC4012	No. DB4012	Front Door Lock Sets, 5x3¾ in., backset 2½ in., bolt and latch operated by same key, 2 nickel plated solid steel keys, outside escutcheon 11x3 in., inside escutcheon 7½x2⅝ in., 2¼ in. two-piece knob, ⅞ in. swivel spindle, w't per set 3¼ lbs.....per set **AGE**	$2.75
No. OC4021	No. DB4021	Sliding Door Lock Sets, 5x3¾ in., flat front, backset 2¾ in., 2 cup escutcheons 7½x2⅝ in., for single doors, w't per set 2 lbs.....per set **ADE**	$2.75
No. OC4023	No. DB4023	Sliding Door Lock Sets, 5x3¾ in., flat front, backset 2¾ in., 4 cup escutcheons 7½x2⅝ in., for double doors, w't per set 3½ lbs.....per set **BDJ**	$4.00
No. OC4025	No. DB4025	Sliding Door Lock Sets, 5x3¾ in., astragal front, otherwise same as No. 4023★...per set **CAJ** ONE SET IN A BOX, WITH SCREWS.	4.00
No. OC4041	No. DB4041	Door Knobs, 2¼ in., two-piece, with roses, w't per doz. prs. 8 lbs.★.....per dozen pairs **DEJ**	$7.50
No. OC4064	No. DB4064	Flush Sash Lifts, 1⅛x4½ in., w't per doz. ⅞ lb.....per dozen **JIJ**	1.50
No. OC4065	No. DB4065	Drop Drawer Pulls, 1⅝x4½ in., w't per doz. 1¾ lbs.....per dozen **BFE**	4.00
No. OC4056	No. DB4056	Push Plates, 11x3 in., w't per doz. 6 lbs.....per dozen **DCJ**	7.50
No. OC4058	No. DB4058	Push Buttons, 4½x1⅜ in., w't per doz. ¾ lb.....per dozen **DAJ**	10.00

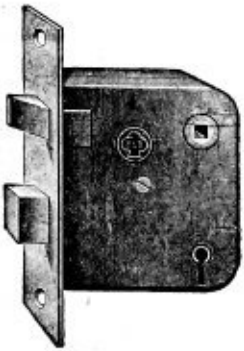
DOOR KNOBS AND PUSH PLATES, ONE-HALF DOZEN; FLUSH SASH LIFTS, DROP DRAWER PULLS AND PUSH BUTTONS, ONE DOZEN IN A BOX, WITH SCREWS.

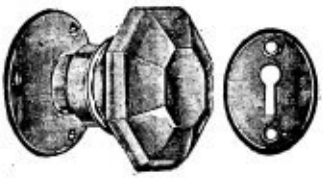
FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS, GLASS KNOBS AND PUSH PLATES.

LOCK SETS.





No. G-459—Dull brass finish, brass metal, 3¾x3¼ in., cast brass front, strike and bolts, easy spring, steel key 2 keyhole escutcheons 1¼x1¼ in., one pair 2¼ in. octagon glass knobs with roses, w't per doz. sets 30 lbs., per dozen sets .....**BAFJ** $40.00

ONE SET IN A BOX, WITH SCREWS.

GLASS DRAWER KNOBS.



With Dull Brass Base.

No. G402—1⅝ in., with bolt for ¾ in. to 1 in. wood, w't per doz. 1⅝ lbs., per dozen .....**BAJ** $3.50

No. G403—1$\frac{7}{16}$ in., with bolt for ¾ in. to 1 in. wood, w't per doz. 1½ lbs., per dozen .....**BDJ** $4.00

ONE DOZEN IN A BOX.

GLASS DOOR KNOBS.



No. G45—2¼ in., highly finished pressed glass with cut top surface, dull brass finish, brass rose and shank, w't per doz. prs. 18 lbs., per dozen pairs .....**AEJJ** $27.00

ONE PAIR IN A BOX, WITH SCREWS.

No. G47—2¼ in., highly finished pressed glass, with cut top surface, dull brass finish, brass rose and shank, w't per doz. pairs 18 lbs., per dozen pairs .....**AEJJ** $27.00

ONE PAIR IN A BOX, WITH SCREWS.

No. G49—2¼x2 in., highly finished pressed glass, with cut top surface, dull brass finish, brass rose and shank, w't per doz. prs. 18 lbs., per dozen pairs .....**AEJJ** $27.00

ONE PAIR IN A BOX, WITH SCREWS.

GLASS PUSH PLATES.



No. G55½—3x12 in., beveled edge glass, with screws and rubber washers, w't per doz. 5 lbs., per dozen **CFJ** $6.00

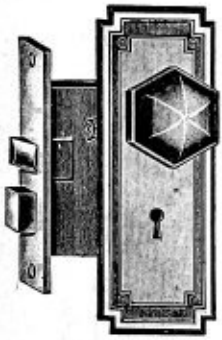
TWO IN A BOX.

BRASS KEY PLATES.

No. DB149—1¼x1½ in., dull brass finish, as shown with set No. G459, per dozen .....**AEE** $3.00

LOCK SETS AND TRIMMINGS.

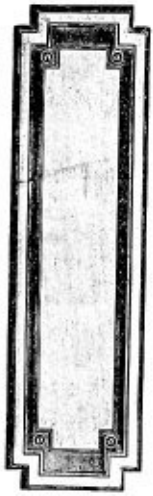
IONIAN DESIGN—WROUGHT HEXAGON KNOBS—WROUGHT STEEL.



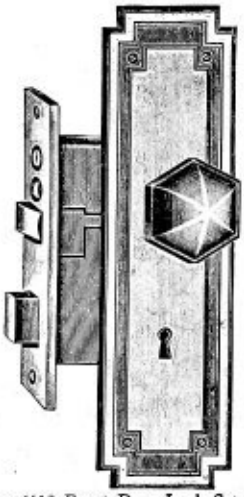
No. 415 Inside Lock Set.



No. 4121 Sliding Door Lock Set.



No. 4156 Push Plate.



No. 4112 Front Door Lock Set.



No. 4141 Door Knob.



No. 4158 Push Button.



No. 4165 Drop Drawer Pull.



No. 4164 Flush Sash Lift.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Steel Front, Strike and Bolts.
No. OC415	No. DB415	Inside Lock Sets, 3½x3¾ in., backset 2⅛ in., 2 escutcheons 7½x2⅝ in., 2¼ in. hexagon knobs, one steel key, w't per doz. sets 27 lbs.....per dozen sets JGEJ $13.00
No. OC4112	No. DB4112	Front Door Lock Sets, 5x3⅝ in., backset 2⅝ in., bolt and latch operated by same key, 2 nickel plated solid steel keys, outside escutcheon 11x3 in., inside escutcheon 7½x2⅝ in., 2¼ in. hexagon knobs, ⅞ in. swivel spindle, w't per doz. 3¾ lbs.....per set AHJ $2.90
No. OC4121	No. DB4121	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 cup escutcheons 7½x2⅝ in., for single doors, w't per set 2 lbs.....per set AEJ $2.75
No. OC4123	No. DB4123	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 cup escutcheons 7½x2⅝ in., for double doors, w't per set 3½ lbs.....per set BDJ $4.00
No. OC4125	No. DB4125	Sliding Door Lock Set, 5x3⅝ in., astragal front, otherwise same as No. 4123★.....per set CAJ 5.00 ONE SET IN A BOX, WITH SCREWS.
No. OC4141	No. DB4141	Door Knobs, 2¼ in. hexagon knobs, with round roses, w't per doz. prs. 8 lbs., per dozen pairs★.....FJJ 9.00
No. OC4164	No. DB4164	Flush Sash Lifts, 1½x3¾ in., w't per doz. ⅞ lb.....per dozen JIJ 1.50
No. OC4165	No. DB4165	Drop Drawer Pulls, 1½x3¾ in., w't per doz. 1⅜ lbs.....per dozen BDJ 4.50
No. OC4156	No. DB4156	Push Plates, 11x3 in., w't per doz. 5⅞ lbs.....per dozen DCJ 7.00
No. OC4158	No. DB4158	Push Buttons, 3¼x1½ in., w't per doz. ⅞ lb.....per dozen JDAJ 10.00

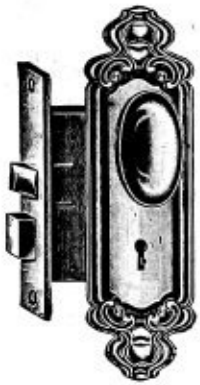
DOOR KNOBS, ONE-HALF DOZEN; FLUSH SASH LIFTS, DROP DRAWER PULLS, PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

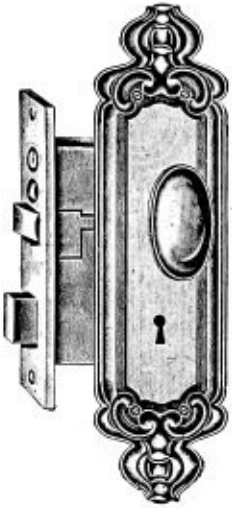
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

ART NOUVEAU DESIGN—WROUGHT STEEL.



No. 425 Inside Lock Set.



No. 4212 Front Door Lock Set.



No. 4256 Push Plates.



No. 4223 Sliding Door Lock Set.



No. 4241 Door Knob.



No. 4265 Drop Drawer Pull.



No. 4264 Flush Sash Lift.



No. 4258 Push Button.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Plated Steel Fronts, Strikes and Bolts.		
No. OC425	No. DB425	Inside Lock Sets, 3½x3¼ in., backset 2⅛ in., 2 escutcheons 8⅝x2½ in., 2¼ in. oval knobs, one steel key, w't per doz. sets 30 lbs.	per dozen sets JEDJ	$13.00
No. OC4212	No. DB4212	Front Door Lock Sets, 5x3⅝ in., backset 2¾ in., bolt and latch operated by the same key, two nickel plated solid steel keys, outside escutcheon 11½x3 in., inside escutcheon 8⅛x2½ in., 2¼ in. oval knobs, ⅞ in. swivel spindle, w't per set 3½ lbs.	per set AEJ	$2.90
No. OC4221	No. DB4221	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 cup escutcheons 8⅝x2½ in., for single doors, w't per set 2½ lbs.	per set ADE	$2.75
No. OC4223	No. DB4223	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 cup escutcheons 8⅛x2½ in., for double doors, w't per set 3½ lbs.	per set BDJ	$4.00
No. OC4225	No. DB4225	Sliding Door Lock Sets, astragal front, otherwise same as No. 4223★	per set CAJ	5.00
		ONE SET IN A BOX, WITH SCREWS.		
No. OC4241	No. DB4241	Door Knobs, 2¼ in. oval knobs, with roses, w't per doz. prs. 7½ lbs.★	per dozen pairs DEJ	9.00
No. OC4264	No. DB4264	Flush Sash Lifts, 1½x4½ in., w't per doz. ⅜ lb.	per dozen JIJ	1.50
No. OC4265	No. DB4265	Drop Drawer Pulls, 1½x4½ in., w't per doz. 1¼ lbs.	per dozen BFE	4.50
No. OC4256	No. DB4256	Push Plates, 11½x3 in., w't per doz. 5⅜ lbs.	per dozen DCJ	7.00
No. OC4258	No. DB4258	Push Buttons, 4½x1½ in., w't per doz. ⅜ lb.	per dozen DAJ	10.00

DOOR KNOBS AND PUSH PLATES, ONE-HALF DOZEN; FLUSH SASH LIFTS, DROP DRAWER PULLS AND PUSH BUTTONS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

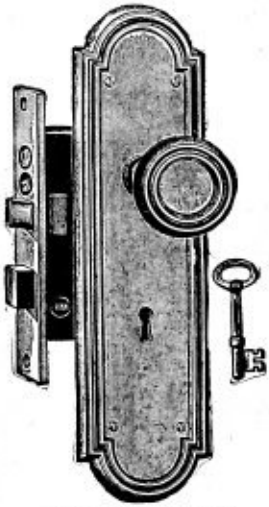
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

CHARLTON DESIGN—WROUGHT STEEL.



No. 435 Inside Lock Set.



No. 4312 Front Door Set.



No. 4321 Sliding Door Set.



No. 4356 Push Plate.



No. 4358 Push Button.



No. 4365 Drop Drawer Pull.



No. 4364 Flush Sash Lift.

Old Copper Finish.	Lemon or Dull Brass.	Sand Blast Dull Brass.	Japanned Iron Case, Plated Front, Strike and Bolts.		
No. OC435	No. DB435	No. SB435	Inside Lock Sets, 3½x3¼ in., 2 escutcheons, 8½x2⅝ in., 2¼ in. one-piece knobs, solid steel key, w't per doz. sets 25½ lbs.	per dozen sets JGBJ	$14.00
No. OC4312	No. DB4312	No. SB4312	Front Door Sets, 5x3½ in., outside escutcheon 11½x3 in., inside 8½x2⅝ in., 2¼ in. one-piece knobs, 3 solid steel keys, w't per set 3 lbs.	per set BAJ	$3.50
No. OC4321	No. DB4321	No. SB4321	Sliding Door Sets, 5½x3¼ in., 2 cup escutcheons 8½x2⅝ in., for single doors, w't per set 2 lbs.	per set AEJ	$2.80
No. OC4323	No. DB4323	No. SB4323	Sliding Door Sets, 5½x3¼ in., 4 cup escutcheons 8½x2⅝ in., flat front, for double doors, w't per set 3½ lbs.	per set BDJ	$4.00
No. OC4325	No. DB4325	No. SB4325	Sliding Door Sets, as above but astragal front, w't 3¾ lbs.★	per set BGE	5.00
No. OC4364	No. DB4364	No. SB4364	Flush Sash Lifts, 1⅝x4¼ in., w't per doz. 1 lb.	per dozen JIE	1.50
No. OC4356	No. DB4356	No. SB4356	Push Plates, 11½x3 in., w't per doz. 6 lbs.	per dozen DEE	7.50
No. OC4358	No. DB4358	No. SB4358	Push Buttons, 4½x1⅝ in., w't per doz. 1 lb.	per dozen DEE	7.50
No. OC4365	No. DB4365	No. SB4365	Drop Drawer Pulls, 1⅝x4¼ in., w't per doz. 2 lbs.	per dozen BGE	5.00

The edges and high lights of SB435, etc., are all burnished, this makes it possible to use DB finish for sash, locks, lifts, bolts, butts, etc.

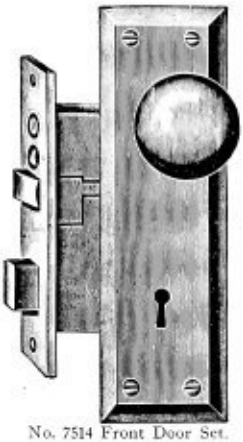
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

STRATFORD DESIGN—WROUGHT BRONZE.



No. 759 Inside Door Set.



No. 7514 Front Door Set.



No. 7518 Front Door Set.



No. 7522 Sliding Door Set.



No. 7520 Inside Latch Set.



No. 7563 Flush Sash Lift.



No. 7566 Drop Drawer Pull.



No. 7555 Push Plate.



No. 7557 Push Button.

Plain Bronze Metal.	Polished Old Copper.	Dull or Lemon Brass.	Japanned Iron Case, Bronze Front, Strike and Bolts, Easy Spring.
No. P759	No. OC759	No. DB759	Inside Lock Sets, 3½x3¼ in., backset 2⅛ in., 2 escutcheons 7x2¼ in., one-piece knobs, steel key, w't per doz. sets 30 lbs. ..... per dozen sets **ABFJ** $28.50
No. P7520	No. OC7520	No. DB7520	Inside Latch Sets, 3¼x1½ in., 2 escutcheons 3½x1½ in., 2¼ in. knobs, w't per doz. sets 18 lbs. ..... per dozen sets **ABFJ** $22.00
No. P7514	No. OC7514	No. DB7514	Front Door Lock Sets, 5x3½ in., backset 2¼ in., outside escutcheon 8x2½ in., inside key plate and rose, 2¼ in. one-piece knobs, ⅝ in. swivel spindle, 2 keys, w't 3½ lbs., per set ..... **AIJ** $5.50
No. P7518	No. OC7518	No. DB7518	Front Door Lock Sets, 5x3½ in., with cylinder, adjustable for 1⅛ to 2¼ in. doors, backset 2¼ in., outside escutcheon 10x3 in., inside escutcheon 7x2¼ in., 2¼ in. one-piece knobs, ⅝ in. swivel spindle, 3 gold plated German silver keys, w't 4¼ lbs., per set ..... **JFCJ** $13.00
No. P7519★	No. OC7519★	No. DB7519★	Front Door and Vestibule Sets, 4½x3½ in., vestibule latch, outside escutcheon 8x2½ in., inside escutcheon 7x2½ in., otherwise same as No. 7518, complete with No. 7518 front door set, w't 8½ lbs. ..... per set **ABJJ** $24.00
No. P7522	No. OC7522	No. DB7522	Sliding Door Lock Sets, 5x3½ in., backset 2¼ in., 2 escutcheons 6x2½ in., for single doors, w't 2 lbs. ..... per set **AIJ** $3.75
No. P7524	No. OC7524	No. DB7524	Sliding Door Lock Sets, 5x3½ in., flat front, backset 2¼ in., 4 escutcheons 6x2¼ in., for double doors, w't 3½ lbs. ..... per set **BGE** $5.75
No. P7526★	No. OC7526★	No. DB7526★	Sliding Door Lock Sets, 5x3½ in., astragal front, w't 4 lbs., otherwise same as No. 7524 ..... per set **CDJ** $6.80
			ONE SET IN A BOX, WITH SCREWS.
No. P7542★	No. OC7542★	No. DB7542★	Door Knobs, 2¼ in., one-piece, with roses, w't per doz. 9 lbs., per dozen **JGHJ** 15.00
No. P7563	No. OC7563	No. DB7563	Flush Sash Lifts, 3¼x1¼ in., w't per doz. 1 lb. ..... per dozen **ABJ** 3.65
No. P7566	No. OC7566	No. DB7566	Drop Drawer Pulls, 1¼x4 in., w't per doz. 2½ lbs. ..... per dozen **JCFJ** 12.00
No. P7555	No. OC7555	No. DB7555	Push Plates, 10x3 in., w't per doz. 5¼ lbs. ..... per dozen **JEGE** 23.00
No. P7557	No. OC7557	No. DB7557	Push Buttons, 3¼x1¼ in., w't 3¼ lbs. ..... per dozen **JFJJ** 20.00

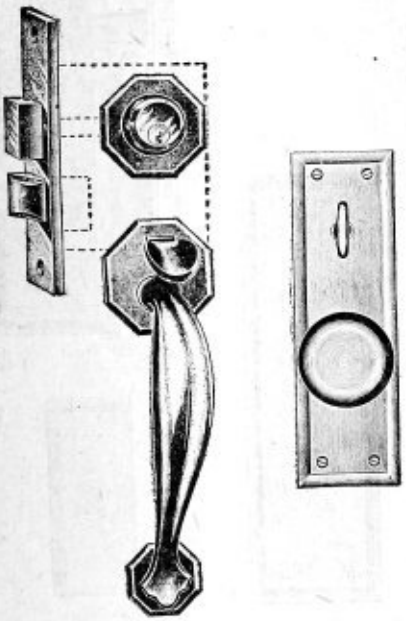
DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, TWO DOZEN; DRAWER PULLS, PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

★*FOR FACTORY SHIPMENT ONLY, LOCKPORT, ILL.*

LOCK SETS.

SECTIONAL FRONT DOOR.



No. OC9575—Lock 5⅛x3¼ in., cast bronze front, strike and bolts, 1 cylinder, adjustable for doors 1¾ to 2¼ in., with 4 gold plated German silver keys, backset 2⅜ in., with Store Door Handle outside and Stratford Knob and Escutcheon inside, handle sectional cast bronze 14½x2⅜ in. over all, knob 2¼ in. wrought bronze, one-piece escutcheon 8x 2⅜ in. wrought bronze with thumb turn, w't per set 7 lbs., per set ..... **JHDJ** $14.00

No. DB9575—Dull brass finish, brass metal, otherwise same as No. OC95414x75 .....per set **JHDJ** $14.00

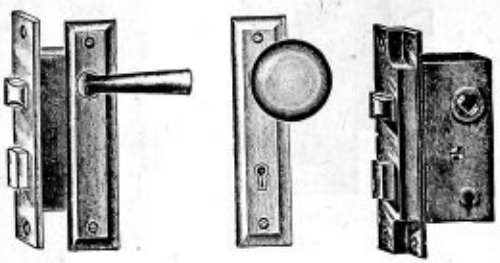
No. DB9576 } With knobs and escutcheons inside to match
No. OC9576 } No. 76 pattern, page 384, otherwise same as No. OC95414x75 .....per set **JHDJ** $14.00

No. OC9581 } With knobs and escutcheons inside to match
No. DB9581 } No. 81 pattern, page 386A, otherwise same as No. 95414x75 .....per set **JHDJ** $14.00

The locks are operated outside—latch by thumb piece and bolt by thumb turn. Regular stop work on latch to prevent dead bolt and latch by key; inside—latch by knob and dead or allow operation by thumb piece from outside.

ONE SET IN A BOX, WITH SCREWS.

FRENCH WINDOW—STRATFORD DESIGN.



No. 7530. No. 7530½.

No. OC7530—Lock 3⅛x1¼ in., japanned iron case, cast bronze front, strike and bolts, one tumbler, one nickel plated steel key, backset ¾ in., knob 1¼ in. cast bronze, lever 2¼ in. cast bronze, escutcheon 5x1⅝ in. wrought bronze, w't per doz. sets 15 lbs., per dozen sets ..... **AHFE** $36.00

No. DB7530—Dull brass finish, otherwise same as No. OC7530, per dozen sets ..... **AHFE** $36.00

No. OC7530½—Rabbeted front lock, case 3¼x1¼ in. extreme measure, backset ¾ and 1⅛ in., otherwise same as No. OC7530.....per dozen sets **BEFE** $45.00

No. DB7530½—Dull brass finish, otherwise same as No. OC7530½.....per dozen sets **BEFE** $45.00

No. OC17530—Lock 3⅛x1¼ in., japanned iron case, O. C. plated front and strike,, brass plated bolts, one nickel plated steel key, backset ¾ in., knob 1¼ in. steel lever 2¾ in. iron, escutcheons 5x1⅞ in. steel, all old copper plated, w't per doz. sets 13 lbs., per doz. sets **ABJJ** $20.00

No. DB17530—Dull brass finish, otherwise same as No. OC17530.....per dozen sets **ABJJ** $20.00

No. OC17530½—With rabbeted front lock, otherwise same as No. OC17530.....per dozen sets **AHJJ** $30.00

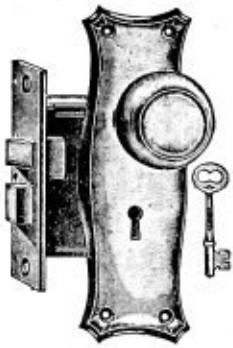
No. DB17530½—Dull brass finish, otherwise same as No. OC17530.....per dozen sets **AHJJ** $30.00

Specify right or left hand in ordering for Nos. OC7530½, DB7530½, OC17530½ *and* DB17530½.

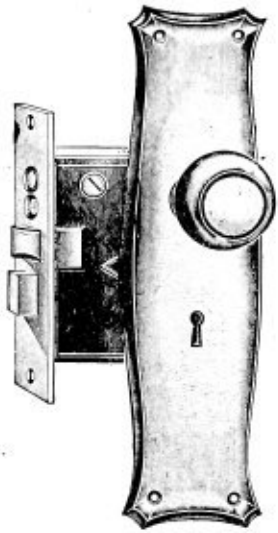
ONE SET IN A BOX, WITH SCREWS.

LOCK SETS AND TRIMMINGS.

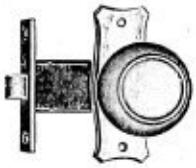
DORSET DESIGN—WROUGHT BRONZE.



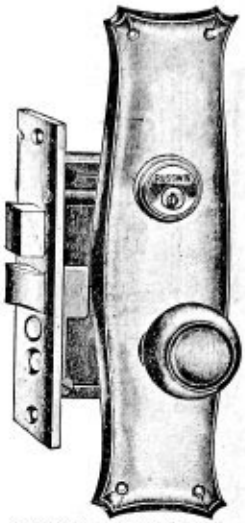
No. 769 Inside Door Set.



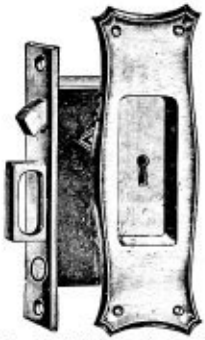
No. 7614 Front Door Set.



No. 7620 Latch Set.



No. 7618 Front Door Set.



No. 7622 Sliding Door Set.



No. 7663 Flush Sash Lift.



No. 7666 Drop Drawer Pull.



No. 7655 Push Plate.



No. 7642 Door Knobs.



No. 7657 Push Button.

Old Copper.	Dull or Lemon Brass.	Cast Case, Bronze Front, Strike and Bolts.	
No. OC769	No. DB769	Inside Lock Sets, 3½x3⅜ in., backset 2⅛ in., 2 escutcheons 7¾x2½ in., 2¼ in. one-piece knobs, steel key, w't per doz. sets 30 lbs.....per dozen sets AIBJ	$28.50
No. OC7614	No. DB7614	Front Door Lock Sets, 4¼x3⅝ in., backset 2¾ in., outside escutcheon 12x3 in., inside escutcheon 7¾x2½ in., 2¾ in. one-piece knobs, swivel spindle, 3 keys, w't 3 lbs.....per set CJJ	$5.50
No. OC7618	No. DB7618	Front Door Lock Sets, 5½x4 in., with cylinder, adjustable for 2¼ to 2½ in. doors, backset 2¾ in., outside escutcheon 12x3 in., inside escutcheon 7¾x2½ in., 2¼ in. one-piece knobs, swivel spindle, 3 gold plated German silver keys, w't 5 lbs.....per set JGHJ	$14.00
No. OC7619	No. DB7619	Front Door and Vestibule Sets, 5½x4 in., vestibule latch, 2 escutcheons 7¾x2½ in., otherwise same as No. 7618, complete with No. 7618 front door set, w't 8¼ lbs.★.....per set AEJJ	$26.00
No. OC7620	No. DB7620	Latch Sets, 3x1¼ in., 2 bronze escutcheons 3½x1½ in., 2¼ in. one-piece bronze knobs, w't per doz. sets 18 lbs.....per dozen sets AFHJ	$26.00
No. OC7622	No. DB7622	Sliding Door Lock Sets, 5½x3½ in., backset 2 in., 2 escutcheons 7¾x2½ in., for single doors, w't 3¼ lbs.....per set BEJ	$3.75
No. OC7624	No. DB7624	Sliding Door Lock Sets, 5½x3½ in., flat front, backset 2 in., 4 escutcheons 7¾x2½ in., for double doors, w't 3¼ lbs.....per set DCJ	$5.75
No. OC7626	No. DB7626	Sliding Door Lock Sets, 5½x3½ in., astragal front, otherwise same as No. 7624, w't 3¼ lbs., per set★.....DHJ	6.80
		ONE SET IN A BOX, WITH SCREWS.	
No. OC7642	No. DB7642	Door Knobs, 2¼ in., one-piece, with roses, w't per doz. 12 lbs.....per dozen ADDJ	16.00
No. OC7663	No. DB7663	Flush Sash Lifts, 3¼x1½ in., w't per doz. 1 lb.....per dozen BAEJ	3.00
No. OC7666	No. DB7666	Drop Drawer Pulls, 3¼x1½ in., w't per doz. 2½ lbs.....per dozen JEAJ	12.00
No. OC7655	No. DB7655	Push Plates, 12x3 in., w't per doz. 6 lbs.....per dozen ACHJ	16.00
No. OC7657	No. DB7657	Push Buttons, 3¼x1½ in., w't per doz. 1 lb.....per dozen JGHJ	13.00

DOOR KNOBS, ONE-QUARTER DOZEN; SASH LIFTS AND DRAWER PULLS, ONE DOZEN; PUSH PLATES AND PUSH BUTTONS, ONE-HALF DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

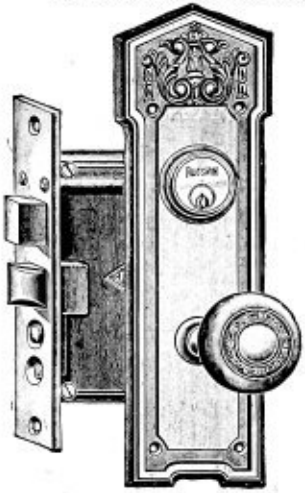
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

CHAMPLAIN DESIGN—WROUGHT BRONZE.



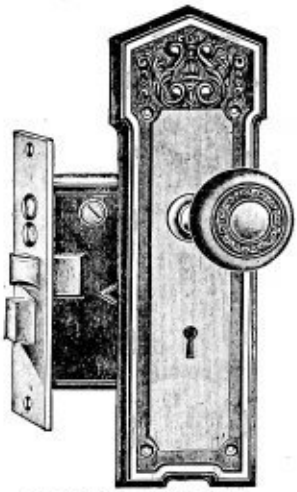
No. 789 Inside Lock Set.



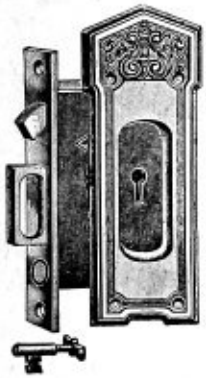
No. 7818 Front Door Set.



No. 7820 Latch Set.



No. 7814 Front Door Set.



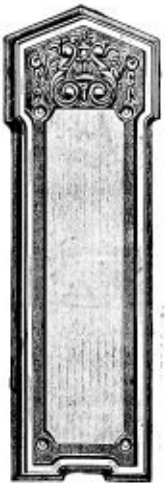
No. 7822 Sliding Door Set.



No. 7863 Sash Lifts.



No. 7866 Drop Drawer Pull.



No. 7855 Push Plate.



No. 7857 Push Button.



No. 7842 Door Knob.

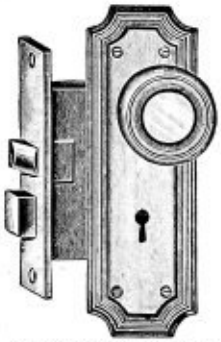
Polished Old Copper.	Dull or Lemon Brass.	Cast Case, Bronze Front, Strike and Bolt, Easy Spring.		
No. OC789	No. DB789	Inside Lock Sets, 3½x3⅝ in., 2 escutcheons 7¼x2⅝ in., 2¼ in. one-piece knobs, solid steel key, w't per doz. sets 30 lbs.....per dozen sets	AIBJ	$28.50
No. OC7814	No. DB7814	Front Door Lock Sets, bit keyed, 4¼x3⅝ in., 3 keys, outside escutcheon 11x3¼ in., inside 7¼x2⅝ in., 2¼ in. one-piece knobs, w't per set 3 lbs.....per set	CJJ	$5.50
No. OC7818	No. DB7818	Front Door Lock Sets, 5½x4 in., with cylinder, 3 German silver keys, for doors 2⅛ to 2¾ in., outside escutcheon 11x3¼ in., inside 7¼x2⅝ in., 2¼ in. one-piece knobs, w't per set 5 lbs., per set .....per set	JGHJ	$14.00
No. OC7819	No. DB7819	Front Door and Vestibule Cylinder Sets, vestibule latch, 5½x4 in., 2 escutcheons 7¼x2⅝ in., 2¼ in. one-piece knobs, complete with No. 7818 front door set, w't per set 8¼ lbs.....per set	AEJJ	$26.00
No. OC7820	No. DB7820	Latch Sets, 3x1¼ in., 2 bronze escutcheons 4¼x1½ in., 2¼ in. one-piece bronze knobs, w't per doz. sets 18 lbs.....per dozen sets	AHJJ	$36.00
No. OC7822	No. DB7822	Sliding Door Sets, 5½x3½ in., 2 escutcheons 7¼x2⅝ in., for single doors, w't per set 2 lbs., per set .....per set	BCJ	3.75
No. OC7824	No. DB7824	Sliding Door Sets, flat front, 4 escutcheons 7¼x2⅝ in., box strike, for double doors, w't per set 3¼ lbs.....per set	CIE	$5.75
No. OC7826	No. DB7826	Sliding Door Sets, astragal front, otherwise same as No. 7824.....per set	DEJ	$7.00
		ONE SET IN A BOX, WITH SCREWS.		
No. OC7842	No. DB7842	Door Knobs, 2¼ in., one-piece, with roses, w't per doz. 12 lbs.....per dozen	ADDJ	16.00
No. OC7863	No. DB7863	Flush Sash Lifts, 4½x1½ in., w't per doz. 2½ lbs.....per dozen	BAE	3.00
No. OC7866	No. DB7866	Drop Drawer Pulls, 4½x1½ in., w't per doz. 2½ lbs.....per dozen	JEAJ	12.00
No. OC7855	No. DB7855	Push Plates, 11x3¼ in., w't per doz. 6 lbs.....per dozen	JIIE	16.00
No. OC7857	No. DB7857	Push Buttons, 4½x2 in., w't per doz. 1 lb.....per dozen	JFFJ	13.00

DOOR KNOBS, ONE-QUARTER DOZEN; PUSH PLATES AND PUSH BUTTONS, ONE-HALF DOZEN; SASH LIFTS AND DRAWER PULLS, ONE DOZEN IN A BOX WITH SCREWS.

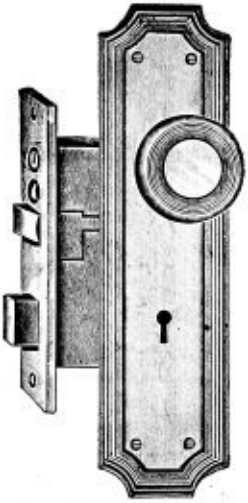
FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS*, 417; *BOLTS*, 425; *SASH LIFTS*, 416; *CATCHES*, 421 *and* 422.

REVONOC DESIGN LOCK SETS AND TRIMMINGS.

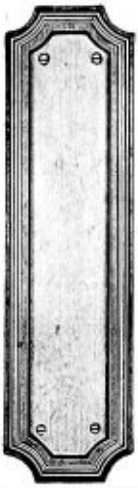
WROUGHT BRONZE.



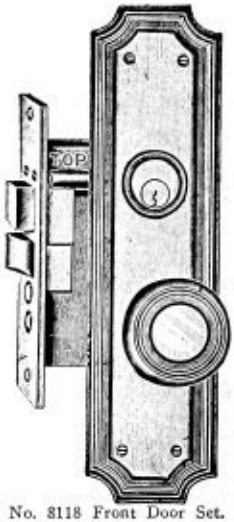
No. 819 Inside Lock Set.



No. 8114 Front Door Set.



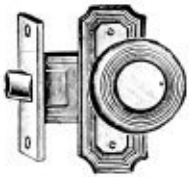
No. 8155 Push Plate.



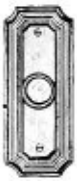
No. 8118 Front Door Set.



Nos. 8122 to 26, Sliding Door Sets.



No. 8120 Inside Latch Set.



No. 8157 Push Button.



No. 8163 Flush Sash Lift.



No. 8166 Drop Drawer Pull.



No. 8142 Door Knob.

Polished Old Copper.	Dull or Lemon Brass.	Japanned Iron Case, Bronze Front, Strike and Bolts, Easy Spring.	
No. OC819	No. DB819	Inside Lock Sets, 3¼x3¼ in., backset 2⅝ in., 2 escutcheons 7½x2½ in., one-piece knobs, solid steel key, w't per doz. sets 30 lbs. per dozen sets	ADDJ $28.00
No. OC819X3	No. DB819X3	Lock Sets, with three Tumbler Locks, 48 changes, otherwise same as No. 819, per dozen sets	AIBJ 30.00
No. OC8120	No. DB8120	Latch Sets, 1⅝x3¾ in., 2⅝ in. backset, 2¼ in. one-piece knobs, two design roses, 3¾x1½, ⅞ in. spindle, w't per set 1¾ lbs. per dozen sets	AEJJ $22.00
No. OC8114	No. DB8114	Front Door Lock Sets, 5x3⅝ in., backset 2⅜ in., bolt and latch operated by same key, bolt operated inside by thumb-turn, three tumblers, two nickel plated solid steel keys, outside escutcheon 11x3 in., inside escutcheon 7½x2½ in., 2¼ in. one-piece knobs, ⅞ in. swivel spindle, w't per set 3¼ lbs. per set	BIJ $5.00
No. OC8118	No. DB8118	Front Door Lock Sets, 5x3⅝ in., with cylinder adjustable for 1⅝ to 2¼ in. doors, backset 2¼ in., outside escutcheon 11x3 in., inside escutcheon 7½x2½ in., 2½x2¼ one-piece knobs, ⅜ in. swivel spindle, 3 gold plated German silver keys, unlimited changes, w't per set 4½ lbs., per set	JGBJ $12.00
No. OC8119	No. DB8119	Front Door and Vestibule Sets, 4½x3⅝ in., vestibule latch, outside escutcheon 11x3 in., inside escutcheon 7½x2½ in., otherwise same as No. 8118, complete with No. 8118 Front Door Set, w't 8½ lbs.★ per set	ACBJ $22.00
No. OC8122	No. DB8122	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 escutcheons 7½x2½ in., for single doors, w't per set 2½ lbs. per set	AHJ $3.25
No. OC8124	No. DB8124	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 escutcheons 7½x2½ in., for double doors, w't per set 3½ lbs. per set	CJJ $5.50
No. OC8126	No. DB8126	Sliding Door Lock Sets, 5x3⅝ in., astragal front, otherwise same as No. 8124, w't per set 3¼ lbs., per set★	CCE $6.50
		ONE SET IN A BOX, WITH SCREWS.	
No. OC8142	No. DB8142	Door Knobs, 2¼ in., one-piece with roses, w't per doz. 7½ lbs★ per dozen	JGHJ 15.00
No. OC8163	No. DB8163	Flush Sash Lifts, 3¼x1½ in., w't per doz. ⅞ lb. per dozen	AEJ 3.00
No. OC8166	No. DB8166	Drop Drawer Pulls, 1½x3¼ in., w't per doz. 1¼ lbs. per dozen	DCJ 7.00
No. OC8155	No. DB8155	Push Plates, 11x3 in., w't per doz. 5⅝ lbs. per dozen	JGHJ 15.00
No. OC8157	No. DB8157	Push Buttons, 3¾x1½ in., w't per doz. ⅝ lbs. per dozen	JFFJ 12.00

DOOR KNOBS, ONE-HALF DOZEN; SASH LIFTS, TWO DOZEN; DRAWER PULLS, PUSH PLATES AND PUSH BUTTONS, ONE DOZEN IN A BOX.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS*, 417; *BOLTS*, 425; *SASH LIFTS*, 416; *CATCHES*, 421 *and* 422.

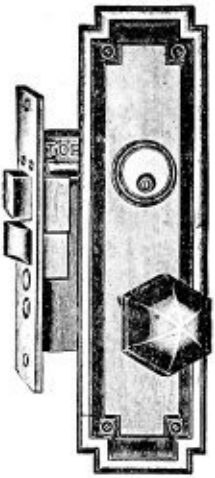
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

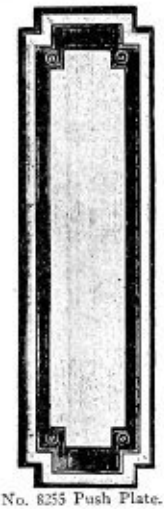
IONIAN DESIGN—WROUGHT HEXAGON KNOBS—WROUGHT BRONZE.



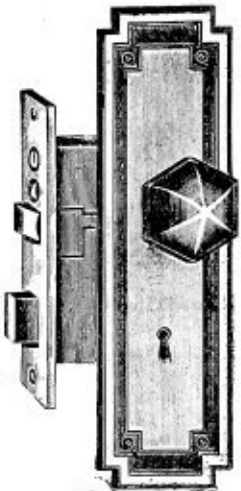
No. 829 Inside Lock Set.



No. 8218 Front Door Lock Set.



No. 8255 Push Plate.



No. 8214 Front Door Lock Set.



No. 8222 Sliding Door Lock Set.



No. 8242 Door Knob.



No. 8266 Drop Drawer Pull.



No. 8263 Flush Sash Lift.



No. 8257 Push Button.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Bronze Front, Strike and Bolts.		
No. OC829	No. DB829	Inside Lock Sets, 3½x3¼ in., backset 2¼ in., 2 escutcheons 7½x2⅝ in., 2¼ in. hexagon knobs, one steel key, w't per doz. sets 30 lbs.	per dozen sets AFHJ	$30.00
No. OC8214	No. DB8214	Front Door Sets, 5x3⅝ in., backset 2½ in., bolt and latch operated from outside by same key, bolt operated inside by thumb-turn, three tumblers, 2 nickel plated solid steel keys, outside escutcheon 11x3 in., inside escutcheon 7½x2⅝ in., 2¼ in. hexagon knobs, ⅞ in. swivel spindle, w't per set 3½ lbs.	per set CBJ	$5.25
No. OC8218	No. DB8218	Front Door Lock Sets, 5x3¼ in., with cylinder, adjustable for 1⅝ to 2¼ in. doors, backset 2¼ in., outside escutcheon 7½x2⅝ in., 2¼ in. hexagon knobs, ⅞ in. swivel spindle, 3 gold plated German silver keys, unlimited changes, w't per set 4½ lbs.	per set JHAJ	$12.00
No. OC8222	No DB8222	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 cup escutcheons 7½x2⅝ in., for single doors, w't per set 2½ lbs.	per set BAJ	$3.25
No. OC8224	No. DB8224	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 cup escutcheons 7½x2⅝ in., for double doors, w't per set 3½ lbs.	per set CCJ	$5.50
No. OC8226	No. DB8226	Sliding Door Lock Sets, 5x3⅝ in., astragal front, otherwise same as No. 8224★ ONE SET IN A BOX, WITH SCREWS.	per set CFJ	6.50
No. OC8242	No. DB8242	Door Knobs, 2¼ in. hexagon knobs with round roses, w't per doz. prs. 7½ lbs., per dozen pairs★	ABJJ	$15.00
No. OC8263	No. DB8263	Flush Sash Lifts, 1½x1¼ in., w't per doz. ¾ lbs.	per dozen AGJ	3.00
No. OC8266	No. DB8266	Drop Drawer Pulls, 1½x3¼ in., w't per doz. 1¼ lbs.	per dozen DCJ	7.00
No. OC8255	No. DB8255	Push Plates, 11x3 in., w't per doz. 5⅞ lbs.	per dozen JHAJ	15.00
No. OC8257	No. DB8257	Push Buttons, 3¼x1½ in., w't per doz. 3¼ lb.	per dozen JFFJ	12.00

DOOR KNOBS AND PUSH PLATES, ONE-HALF DOZEN; FLUSH SASH LIFTS, DROP DRAWER PULLS AND PUSH BUTTONS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

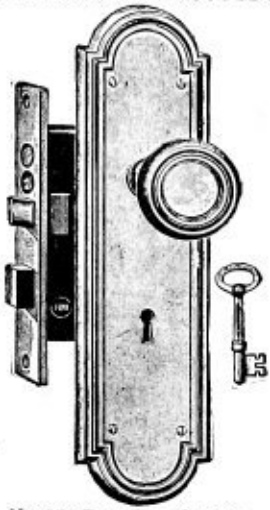
★FOR FACTORY SHIPMENT ONLY.

LOCK SETS AND TRIMMINGS.

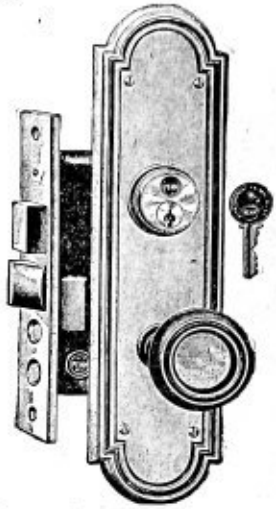
CHARLTON DESIGN—WROUGHT BRONZE.



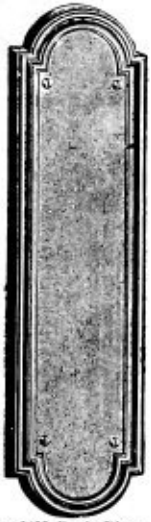
No. 849 Inside Lock Set.



No. 8414 Front Door Lock Set.



No. 8418 Cylinder Front Door Set.



No. 8455 Push Plate.



No. 8457 Push Button.



No. 8422 Sliding Door Set.



No. 8466 Drop Drawer Pull.



No. 8463 Flush Sash Lift.

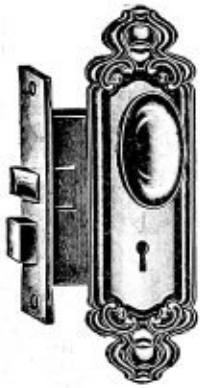
Old Copper Finish.	Lemon or Dull Brass.	Sand Blast Dull Brass.	Japanned Iron Case, Plated Front, Strike and Bolts.
No. OC849	No. DB849	No. SB849	Inside Lock Sets, 3¼x3¼ in., easy spring, 2 escutcheons 8⅛x2⅝ in., 2 in. one-piece knobs, solid steel key, w't per doz. sets 30 lbs.....per dozen sets **AIBJ** $13.00
No. OC8414	No. DB8414	No. SB8414	Front Door Lock Sets, 5x3½ in., bolt and latch operated from outside by same key, bolt operated inside by thumb turn, three tumblers, 3 solid steel keys, outside escutcheon 11½x3 in., inside 8⅛x2⅝ in., 2¼ in. one-piece knobs, w't per set 3½ lbs., per set .....**CFJ** $6.25
No. OC8418	No. DB8418	No. SB8418	Cylinder Front Door Lock Sets, 5½x3¼ in., cylinder adjustable for doors, 1⅝ to 2¼ in., ⅜ in. swivel spindle, outside escutcheon 11½x3 in., inside 8½x2⅝ in., 2¼ in. one-piece knobs, 3 German silver keys, w't per set 4½ lbs.....per set **JHAJ** $13.50
No. OC8422	No. DB8422	No. SB8422	Sliding Door Sets, 5½x3¼ in., 2 cup escutcheons 8½x2⅝ in., for single doors, w't per set 2½ lbs.....per set **BAJ** $3.50
No. OC8424	No. DB8424	No. SB8424	Sliding Door Sets, 5½x3¼ in., flat front, 4 cup escutcheons 8½x2⅝ in., for double doors, w't per set 3½ lbs.....per set **CCJ** $6.00
No. OC8426	No. DB8426	No. SB8426	Sliding Door Sets, as above, but astragal front, w't per set 3¼ lbs., per set★ .....**CFJ** 7.00
No. OC8463	No. DB8463	No. SB8463	Flush Sash Lifts, 1⅝x4¼ in., w't per doz. 1 lb.....per dozen **AGJ** 3.00
No. OC8466	No. DB8466	No. SB8466	Drop Drawer Pulls, 1⅝x4¼ in., w't per doz. 2 lbs.....per dozen **DCJ** 7.50
No. OC8455	No. DB8455	No. SB8455	Push Plates, 11½x3 in., w't per doz. 6 lbs.....per dozen **JHAJ** 16.00
No. OC8457	No. DB8457	No. SB8457	Push Buttons, 4¼x1⅜ in., w't per doz. 1 lb.....per dozen **JFCJ** 13.20

The edges and high lights of the SB849, etc., are all burnished, this makes it possible to use DB finish for sash locks, lifts, bolts, butts, etc.

★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

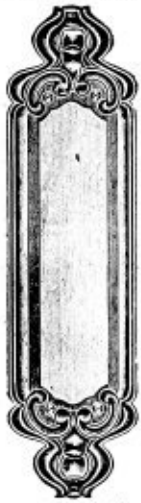
ART NOUVEAU DESIGN—WROUGHT BRONZE.



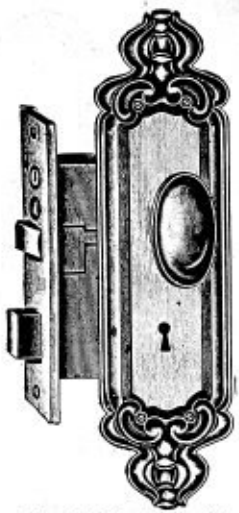
No. 839 Inside Lock Set.



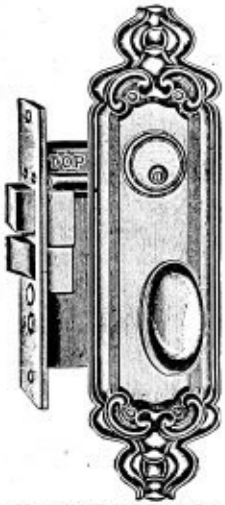
No. 8357 Push Button.



No. 8355 Push Plate.



No. 8314 Front Door Set.



No. 8318 Front Door Set.



No. 8366 Drop Drawer Pull.



No. 8363 Flush Sash Lift.



No. 8322 Sliding Door Lock Set.

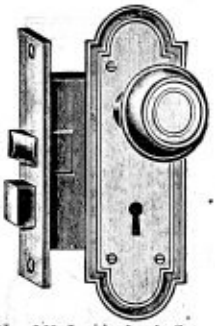
Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Bronze Front, Strike and Bolts.		
No. OC839	No. DB839	Inside Lock Sets, 3½x3¼ in., backset 2⅜ in., 2 escutcheons 8⅝x2½ in., 2¼ in. oval knobs, one steel key, w't per doz. 30 lbs.	per dozen ACBJ	$30.00
No. OC8314	No. DB8314	Front Door Lock Sets, 5x3⅝ in., backset 2¾ in., bolt and latch operated from outside by same key, bolt operated inside by thumb-turn, three tumblers, two nickel plated solid steel keys, outside escutcheon 11½x3 in., inside escutcheon 8⅝x2½ in., 2¼ in. oval knobs, ⅞ in. swivel spindle, w't per set 3½ lbs.	per set BEJ	$5.25
No. OC8318	No. DB8318	Front Door Lock Sets, 5x3⅝ in., with cylinder adjustable for 1¾ to 2¼ in. doors, backset 2¾ in., outside escutcheon 11½x3 in., inside escutcheon 8⅝x2½ in., 2¼ in. oval knobs, ⅞ in. swivel spindle, three gold plated German silver keys, unlimited changes, w't per set 4½ lbs.	per set JGGJ	$12.00
No. OC8322	No. DB8322	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¾ in., 2 cup escutcheons 8⅝x2½ in., for single doors, w't per set 2½ lbs.	per set BAJ	$3.25
No. OC8324	No. DB8324	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¾ in., 4 cup escutcheons 8⅝x2½ in., for double doors, w't per set 3½ lbs.	per set CCJ	$5.50
No. OC8326	No. DB8326	Sliding Door Lock Sets, astragal front, otherwise same as No. 8324★	per set CFJ	6.50
		ONE SET IN A BOX, WITH SCREWS.		
No. OC8342	No. DB8342	Door Knobs, 2¼ in. oval knob with round roses, w't per doz. prs. 7½ lbs., per dozen pairs★	JGBJ	15.00
No. OC8363	No. DB8363	Flush Sash Lifts, 1½x4½ in., w't per doz. 3⅜ lb.	per dozen AGJ	3.00
No. OC8366	No. DB8366	Drop Drawer Pulls, 1½x4½ in., w't per doz. 1¼ lbs.	per dozen DCJ	7.00
No. OC8355	No. DB8355	Push Plates, 11½x3 in., w't per doz. 5¾ lbs.	per dozen JHAJ	15.00
No. OC8357	No. DB8357	Push Buttons, 4½x1½ in., w't per doz. 3⅝ lbs.	per dozen JFFJ	12.00
		DOOR KNOBS AND PUSH PLATES, ONE-HALF DOZEN; FLUSH SASH LIFTS, DROP DRAWER PULLS AND PUSH BUTTONS, ONE DOZEN IN A BOX, WITH SCREWS.		

FOR BUTTS, SEE PAGES 440 and 441; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

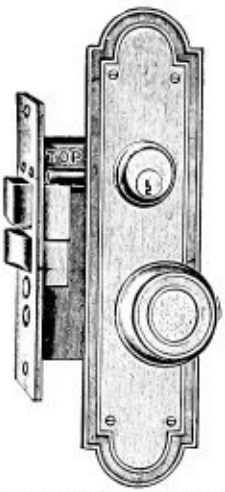
RICHMOND DESIGN—CAST BRONZE.



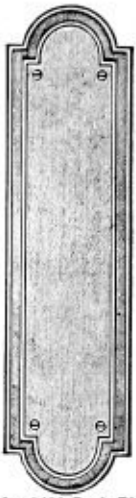
No. 969 Inside Lock Set.



No. 9622 Sliding Door Lock Set.



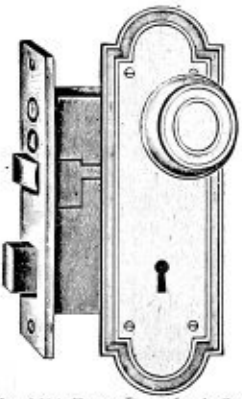
No. 9618 Front Door Lock Set.



No. 9655 Push Plates.



No. 9642 Door Knob.



No. 9614 Front Door Lock Set.



No. 9663 Flush Sash Lifts



No. 9657 Push Buttons.



No. 9666 Drop Drawer Pulls.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Bronze Front, Strike and Bolts.
No. OC969	No. DB969	Inside Lock Sets, 3½x3¼ in., backset 2⅛ in., 2 escutcheons 7¼x2⅜ in., 2¼ in. knobs, one steel key, w't per doz. sets 34 lbs.....per dozen sets **BDJJ** $38.00
No. OC9614	No. DB9614	Front Door Lock Sets, 5x3⅝ in., backset 2¼ in., bolt and latch operated from outside by the same key, bolt operated inside by thumb knob, 3 tumblers, two nickel plated solid steel keys, outside escutcheon 9x3 in., inside escutcheon 8x2½ in., 2¼ in. knobs, ⅞ in. swivel spindle, w't per set 4½ lbs.....per set **DHJ** $5.50
No. OC9618	No. DB9618	Front Door Lock Sets, 5x3⅝ in., with cylinder adjustable for 1⅝ to 2¼ in. doors, backset 2¼ in., outside escutcheon 11x3 in., inside escutcheon 7¼x2⅛ in., 2½x2¼ in. knobs, ⅞ in. swivel spindle, 3 gold plated German silver keys, unlimited changes, w't per set 5½ lbs.....per set **JGDJ** $13.50
No. OC9622	No. DB9622	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 cup escutcheons 7¼x2⅜ in., for single doors, w't per set 2¾ lbs.....per set **CJJ** $3.80
No. OC9624	No. DB9624	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 cup escutcheons 7¼x2⅜ in., for double doors, w't per set 4¼ lbs.....per set **DHJ** $7.00
No. OC9626	No. DB9626	Sliding Door Lock Sets, 5x3⅝ in., astragal front, otherwise same as No. 9624★..per set **EDJ** 8.00
		ONE SET IN A BOX, WITH SCREWS.
No. OC9642	No. DB9642	Door Knobs, 2¼ in., cast roses, w't per doz. prs. 6½ lbs.★.....per dozen pairs **ABJJ** 18.00
No. OC9663	No. DB9663	Flush Sash Lifts, 1⅛x4⅛ in., w't per doz. 3 lbs.....per dozen **EDJ** 7.00
No. OC9666	No. DB9666	Drop Drawer Pulls, 1⅛x4¼ in., w't per doz. 3¼ lbs.....per dozen **JGBJ** 12.00
No. OC9655	No. DB9655	Push Plates, 11x3 in., w't per doz. 11 lbs.....per dozen **AIBJ** 25.00
No. OC9657	No. DB9657	Push Buttons, 4¼x1⅛ in., w't per doz. 5 lbs.....per dozen **ADDJ** 18.00

DOOR KNOBS AND PUSH BUTTONS, ONE-HALF DOZEN; PUSH PLATES, ONE-SIXTH DOZEN; FLUSH SASH LIFTS AND DROP DRAWER PULLS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 440 *and* 441; *SASH LOCKS,* 417; *BOLTS,* 425; *SASH LIFTS,* 416; *CATCHES,* 421 *and* 422.

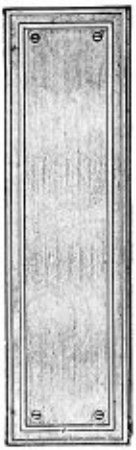
★*FOR FACTORY SHIPMENT ONLY.*

LOCK SETS AND TRIMMINGS.

MANCHESTER DESIGN—CAST BRONZE.



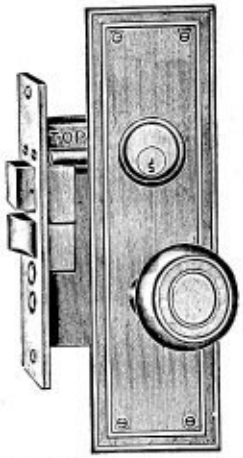
No. 979 Inside Lock Set.



No. 9755 Push Plate.



No. 9714 Front Door Lock Set.



No. 9718 Front Door Lock Set.



No. 9757 Push Button.



No. 9722 Sliding Door Lock Set.



No. 9766 Drop Drawer Pull.



No. 9763 Flush Sash Lift.

Old Copper Finish.	Dull Brass Finish.	Japanned Iron Case, Bronze Front, Strike and Bolts.	
No. OC979	No. DB979	Inside Lock Sets, 3½x3¼ in., backset 2⅛ in., 2 escutcheons 7¼x2⅛ in., 2¼ in. knobs, one steel key, w't per doz. sets 34 lbs.....per dozen sets **BGFJ**	$38.00
No. OC9714	No. DB9714	Front Door Lock Sets, 5x3⅝ in., backset 2¾ in., bolt and latch operated from outside by the same key, bolt operated inside by thumb knob, 3 tumblers, 2 nickel plated solid steel keys, outside escutcheon 7¼x2⅛ in., 2¼ in. knobs, ⅝ in. swivel spindle, w't per set 4½ lbs..per set **EDJ**	$7.50
No. OC9718	No. DB9718	Front Door Lock Sets, 5x3⅝ in., with cylinder adjustable for 1⅝ to 2⅛ in. doors, backset 2¾ in., outside escutcheon 10x3 in., inside escutcheon 7¼x2⅛ in., 2½x2¼ in knobs, ⅜ in. swivel spindle, 3 gold plated German silver keys, unlimited changes, w't per set 5½ lbs.....per set **JIJJ**	$13.50
No. OC9722	No. DB9722	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 2 escutcheons 7¼x2⅛ in., for single doors, w't per set 2¾ lbs.....per set **CJJ**	$3.80
No. OC9724	No. DB9724	Sliding Door Lock Sets, 5x3⅝ in., flat front, backset 2¼ in., 4 escutcheons 7¼x2⅛ in., for double doors, w't per set 4¾ lbs.....per set **DHJ**	$7.00
No. OC9726	No. DB9726	Sliding Door Lock Set, 5x3⅝ in., astragal front, otherwise same as No. 9724★...per set **EDJ**	8.00
		ONE SET IN A BOX, WITH SCREWS.	
No. OC9742	No. DB9742	Door Knobs, 2¼ in., with cast roses, w't per doz. prs. 9½ lbs★.....per dozen pairs **AEJJ**	18.00
No. OC9763	No. DB9763	Flush Sash Lifts, 1½x3¼ in., w't per doz. 2 lbs.....per dozen **EDJ**	7.00
No. OC9766	No. DB9766	Drop Drawer Pulls, 1½x4¼ in., w't per doz. 3¼ lbs.....per dozen **GBJ**	12.00
No. OC9755	No. DB9755	Push Plates, 10x3 in., w't per doz. 11 lbs.....per dozen **AIBJ**	18.00
No. OC9757	No. DB9757	Push Buttons, 4⅛x1½ in., w't per doz. 5 lbs.....per dozen **AEJJ**	15.00

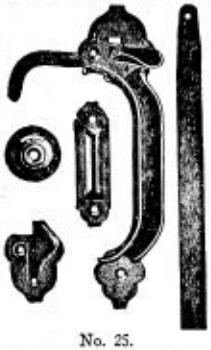
DOOR KNOBS AND PUSH BUTTONS, ONE-HALF DOZEN; PUSH PLATES, ONE-SIXTH DOZEN; FLUSH SASH LIFTS AND DROP DRAWER PULLS, ONE DOZEN IN A BOX, WITH SCREWS.

FOR BUTTS, SEE PAGES 330 and 331; SASH LOCKS, 417; BOLTS, 425; SASH LIFTS, 416; CATCHES, 421 and 422.

★*FOR FACTORY SHIPMENT ONLY.*

BARN DOOR LATCHES, LOCKS, ETC.

BARN DOOR LATCHES.



No. 25.

No. 25—Japanned iron, extra heavy, with wrought latch, 9 in. pull, w't per doz. 20 lbs. ....per dozen **ADE** $2.40

No. 15—Without thumb latch or handle, w't per doz. 10 lbs., otherwise same as No. 25 .....per dozen **JIJ** $1.50

NO. 25, ONE-HALF DOZEN; NO. 15, ONE DOZEN IN A BOX.



No. 126—Japanned iron, with staple catch and heavy 12 in. hasp, 8 in. pull, w't per doz. 18 lbs., per dozen .....**AFJ** $2.50

ONE-HALF DOZEN IN A BOX.



No. 250—**Positive,** all steel japanned, for right or left hand, swinging doors, length of handle 8 in., length of bar 8 in., extra strike for holding door open, w't per doz. 18½ lbs., per dozen .....**BEJ** $4.20

ONE IN A BOX COMPLETE WITH SCREWS.

BARN DOOR LATCHES.



No. 35—Whitcomb, 5x2⅝ in., wrought steel, japanned, spring bolt, double handles, adjustable for different thicknesses of wood, extra strike for holding door open, w't per doz. 14 lbs., per dozen .....**CFJ** $6.00

ONE-HALF DOZEN IN A BOX.



No. 87—Wrought steel, japanned, with attachment for padlock, for right or left hand sliding or swinging doors, with latch working from the inside, w't per doz. 17 lbs., per doz. **BAJ** $4.00

ONE-HALF DOZEN IN A BOX.



No. 1252J—Extra heavy japanned steel, length of handle 10½ in., length of bar 12 in., w't per doz. 36 lbs., per dozen .....**JFCJ** $35.00

ONE IN A BOX WITH SCREWS.

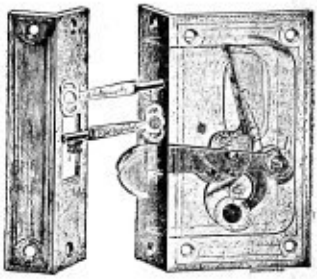
BARN DOOR CATCHES.



No. 24—Japanned iron, gravity locking, to catch over top of door, will take doors up to 1 in. in thickness, w't per doz. 6½ lbs.....per dozen **JFJ** $1.20

ONE DOZEN IN A BOX.

SLIDING BARN DOOR LOCKS.



No. 85—Japanned iron with patent double safety bolt, face of lock 4⅛x7½ in., catch plate 1½x7½ in., escutcheon 2½x5½ in., may be unlocked from inside by pulling back the lever, reversible for right or left hand doors, two keys with each lock, w't per doz. 48 lbs. .....per dozen **ADDJ** $24.00

ONE IN A BOX.

CAR OR BARN DOOR PULLS.

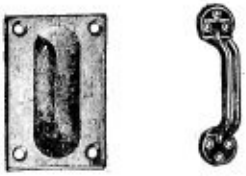


No. 3. No. 4.

No. 3—Japanned iron, oblique, extra heavy, length 7¼ in., w't per doz. 6½ lbs. .....per dozen **DB** $0.70

No. 4—Japanned iron, extra heavy, length 6 in., w't per doz. 5½ lbs., per dozen .....**DB** $0.75

NO. 3, ONE-HALF DOZEN; NO. 4, ONE DOZEN IN A BOX, WITHOUT SCREWS.



No. 1. No. 1265.

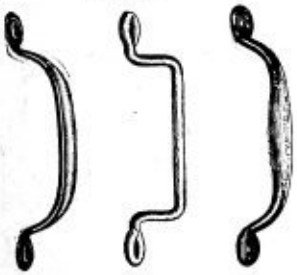
No. 1—Japanned iron, flush, 3½x2¼ in., without screws, w't per doz. 4½ lbs., per dozen .....**DB** $0.65

No. 1265—Car or barn door, japanned, wrought steel, length 10½ in., width 1¼ in., width of ends 2½ in., with screws, w't per doz. 5 lbs., per dozen .....**AIJ** $5.00

NO. 1, ONE DOZEN; NO. 1265, ONE-HALF DOZEN IN A BOX.

BARN DOOR HOLDERS, PULLS AND THUMB LATCHES.

DOOR PULLS.



No. 120. Nos. 263 and 1263. Nos. J102 to OC-202.

No. 120—5 in. japanned steel, w't per gro. 6¾ lbs.....per gross **ABJ** $2.25

No. 263—5 in., 8 gauge steel wire, japanned, w't per gro. 9 lbs., per gross .....**JHE** $2.80

No. 1263—5 in., 8 gauge steel wire, brass plated, w't per gro. 9 lbs., per gross .....**JIE** $3.00

No. J-102—5½ in., japanned steel, w't per gro. 7½ lbs.per gross **BJE** $6.00

No. J-202—3½ in., japanned steel, w't per gro. 4½ lbs..per gross **AIJ** $5.60

ONE-QUARTER GROSS IN A BOX. WITHOUT SCREWS.

No. P-102—5½ in., polished, bronze plated steel, w't per gro. 7½ lbs., per gross .....**CJJ** $8.00

No. P-202—3½ in., polished, bronze plated steel, w't per gro. 4¼ lbs., per gross .....**BHJ** $7.40

No. OC-102—5½ in., polished, old copper plated steel, w't per gro. 7½ lbs., per gross .....**CJJ** $8.00

No. OC-202—3½ in., polished, old copper plated steel, w't per gro. 4½ lbs., per gross .....**BHJ** $7.40

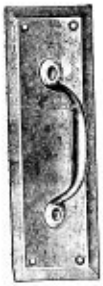
ONE-QUARTER GROSS IN A BOX. WITH SCREWS.



No. 10—6 in., enameled iron, w't per doz. 2¼ lbs.....per gross **CFJ** $7.20

ONE DOZEN IN A BOX WITHOUT SCREWS.

DOOR PULLS.



No. OC542—Wide beveled steel plate 6¼x2¼ in., with pull handle, old copper finish, w't per gro. 3½ lbs., per gross .....**ADDJ** $24.00

No. DB542—Dull brass, otherwise same as No. OC542..per gross **ADDJ** $24.00

THUMB LATCHES.



Japanned Iron.

No. 12—6 in. handle, w't per doz. 6 lbs., per dozen .....**DB** $0.60

No. 112—With screws, otherwise same as No. 12, w't per doz. 6¼ lbs., per dozen .....**FJ** $0.85

No. 10—7 in. handle, w't per doz. 8 lbs., per dozen .....**FJ** $0.80

No. 110—With screws, otherwise same as No. 10, w't per doz. 8½ lbs., per dozen .....**GE** $1.00

ONE DOZEN IN A BOX; TWELVE DOZEN IN A CASE.



Japanned Iron.

Nos.	1	2	3	4
Length of handle, in.	6	6½	7	8½
W't per doz., lbs.	5	6	8	8½
Per dozen...	$0.55	.65	.75	.85
	EJ	**FJ**	**FE**	**HJ**

ONE DOZEN IN A BOX.

THUMB LATCHES.



No. 1250—1250X2—6¼ in. handle, japanned steel, w't per doz. 5 lbs., per dozen .....**JHE** $2.30



No. 1260—1260X3—7¼ in. handle, japanned steel, for padlocks, w't per doz. 9 lbs.....per dozen **ABJ** $3.50

ONE DOZEN IN A BOX WITH SCREWS.



No. 105—Heavy steel, japanned, 8 in. handle, w't per doz. 16 lbs., per dozen .....**BAE** $4.00

A good heavy latch that will not break and a thumb lift that cannot work loose or get out of place. Suitable for barn, shop or warehouse doors.

ONE-HALF DOZEN IN A BOX.



No. 28—6 in. handle, bronzed iron, w't per doz. 7½ lbs..per doz. **JHJ** $1.20

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

PUSH PLATES, DOOR PULLS, ETC.

PUSH PLATES.



Plain Pattern.

Wrought Bronze Metal.

No. OC55—10x3 in., polished old copper finish, w't per doz. 5½ lbs., per dozen ..... DCJ $9.00

No. OC55½—12x3½ in., polished old copper finish, w't per doz. 7 lbs., per dozen ..... JEIJ $12.00

No. DB55½—12x3½ in., dull brass finish, w't per doz. 7 lbs., per dozen ..... JEIJ $12.00

Bronze Plated Steel.

No. OC155—10x3 in., polished old copper finish, w't per doz. 5½ lbs., per dozen ..... AHJ $3.00

No. OC155½—12x3½ in., polished old copper finish, w't per doz. 7 lbs., per dozen ..... BDJ $4.50

No. DB155½—12x3½ in., dull brass finish, w't per doz. 7 lbs., per dozen ..... BDJ $4.50

ONE DOZEN IN A BOX.

DOOR PULLS.



Heavy Cast Bar Pulls, Size 12x3½ in.

Wrought Bronze Plate.

No. OC7597—Old copper finish, per dozen ..... AEJJ $25.00

No. OC7597—Dull brass finish, per dozen ..... AEJJ 25.00

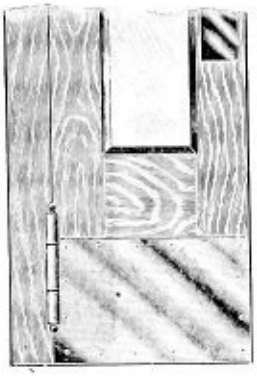
Steel Plate.

No. OC17597—Old copper finish, per dozen ..... JFCJ $11.00

No. DB17597—Dull brass finish, per dozen ..... JFCJ 11.00

ONE DOZEN IN A BOX.

PUSH AND KICK PLATES.



PUSH PLATES.

E%.

No. 672—Plain brass, flat, beveled on all sides, holes 4 in. apart and countersunk, with oval head screws.

Inches	Gauge	Pol'd Brass, Each	Pol'd Bronze Each	Dull Brass Each	Old Copper Each
3x10	16	$0.50	$0.65	$0.55	$0.55
3x10	14	.60	.80	.62	.67
3x12	16	.65	.85	.72	.72
3x12	14	.75	1.00	.85	.85
4x12	16	.80	1.05	.90	.90
4x12	14	.90	1.20	1.00	1.00
4x16	16	1.10	1.50	1.25	1.25
4x16	14	1.25	1.65	1.40	1.40

For Sanded Finishes advance 20%.

LOOSE.

KICK PLATES.

E%.

Brass and Bronze, holes 4 inches apart and countersunk, with oval head brass screws.

Width in.	Ga.	Per Lineal Foot Pol. Brass Each	Pol. Bronze Each	D.B. Each	O.C. Each
8	16	$0.90	$1.20	$1.00	$1.00
8	14	1.05	1.40	1.15	1.15
10	16	1.15	1.50	1.28	1.28
10	14	1.35	1.70	1.50	1.50
12	16	1.40	1.85	1.55	1.55
12	14	1.60	2.25	1.80	1.80
14	16	1.65	2.15	1.85	1.85
14	14	1.85	2.45	2.05	2.05
16	16	1.85	2.45	2.15	2.15
16	14	2.10	2.75	2.35	2.35
18	16	2.05	2.70	2.30	2.30
18	14	2.35	3.10	2.60	2.60

Above prices are for plain square edged plates. For beveled edge plates add, List, 16 ga., $0.12 per lineal foot; 14 ga., $0.15 per lineal foot.

For Sanded Finishes advance 20%.

LOOSE.

PUSH BARS.



AF%.

No. 735—Polished Brass.

Width Center to Center, In.	Dia. ⅝ In. Each	Dia. ¾ In. Each	Dia. 1 In. Each	Dia. 1¼ In. Each	Dia. 1½ In. Each	Dia. 1¾ In. Each	Dia. 2 In. Each
18	2.50	2.85	3.40	3.55	3.80	4.25	5.25
20	2.55	2.90	3.45	3.60	3.90	4.35	5.40
22	2.60	2.95	3.50	3.70	4.00	4.50	5.55
24	2.65	3.05	3.60	3.75	4.15	4.60	5.75
26	2.75	3.10	3.70	3.85	4.25	4.75	5.90
28	2.80	3.15	3.75	3.90	4.35	4.85	6.15
30	2.85	3.20	3.80	4.00	4.50	5.00	6.35
32	2.90	3.25	3.85	4.10	4.60	5.15	6.50
34	3.00	3.30	3.90	4.15	4.70	5.25	6.70
36	....	3.40	4.00	4.25	4.85	5.35	6.90
38	....	3.50	4.10	4.35	5.00	5.55	7.15
40	....	3.60	4.20	4.50	5.20	5.75	7.40

Polished Bronze, advance 30%
Dull Brass, advance 10%
Old Copper—On Brass—advance 10%
Sanded Finish, advance 20%

Prices include screws. Have case end sockets.

LOOSE.

DOOR GUARDS.



AF%.

No. 742—Polished Brass.

Width, Center to Center, In.	⅜ In., Dia. Each	½ In., Dia. Each	⅝ In., Dia. Each	¾ In., Dia. Each	1 In., Dia. Each
24	$1.15	$1.25	$1.35	$1.75	$2.15
26	1.20	1.30	1.40	1.80	2.25
28	1.25	1.35	1.50	1.85	2.35
30	1.30	1.40	1.55	1.90	2.45

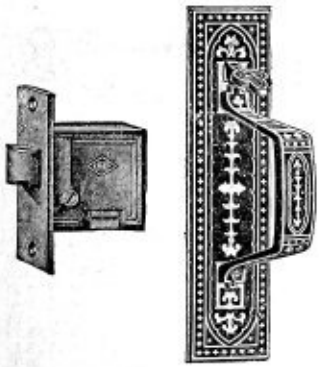
Polished Bronze, advance 30%
Dull Brass, advance 10%
Old Copper—On Brass—advance 10%
Sanded Finish, advance 20%

Prices include screws. Used generally for screen doors.

PACKED LOOSE.

HASPS AND STORE DOOR HANDLES.

STORE DOOR HANDLES.



No. B1090—Bronze plated iron front, strike bolt and double handles, with 9¼x2¼ in. plates, w't 3 lbs.,
per set .....AHJ $2.75
ONE SET IN A BOX.



No. B1089—No. 3 finish, bronze plated iron thumb latch and handle, with 9¼x2¼ in. plate, w't 1½ lbs.,
per set .....JFJ $1.00
ONE-HALF DOZEN IN A BOX.

STEEL DOOR HASPS.

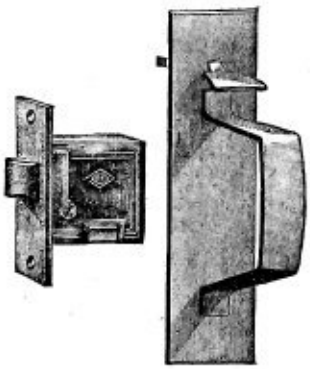


No. 11—6½ in., heavy japanned hand forged steel, for double doors, w't per doz. 18 lbs....per dozen JIFJ $16.00



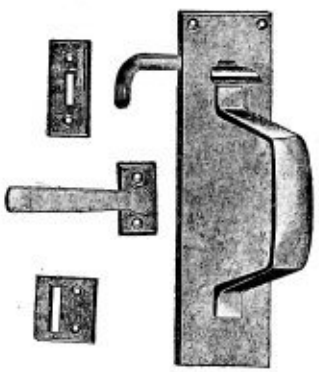
No. 21—6½ in., heavy japanned hand forged steel, for double doors, w't per doz. 18 lbs., per doz. JIFJ $16.00
ONE DOZEN IN A BOX, COMPLETE.

STORE DOOR HANDLES.



No. P7090—Mortise, polished bronze metal front, strike and bolt, complete with plain bronze metal double handles, with 8¼x2 in. plate, w't 2½ lbs., per set .....DEE $5.50

No. OC7090—Old copper finish, otherwise same as No. P7090,
per set .....EDJ $6.00
ONE IN A BOX.



No. P7089—Plain polished bronze metal thumb latch and handle, with 8¼x2 in. plate, w't 1¾ lbs..per set BCE $3.00
ONE-HALF DOZEN IN A BOX.

STEEL DOOR HASPS.



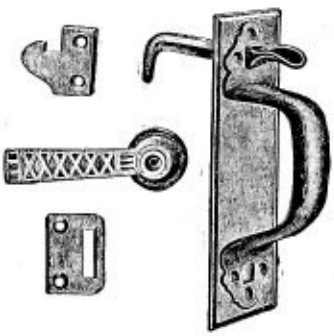
No. 41—4½ in., heavy japanned malleable iron, for single doors, w't per doz. 9 lbs.....per dozen DHJ $8.00
ONE DOZEN IN A BOX, COMPLETE.

STORE DOOR HANDLES.



Reversible Oblique Handle.

No. 30—Japanned, with 7¼x1⅞ in. plate, nuts and screws, w't per doz. 22 lbs., per dozen .....BJJ $2.80
ONE-HALF DOZEN IN A BOX.



Reversible Oblique Handle.

No. 10—Japanned without plate, w't per doz. 14 lbs.....per dozen ABJ $1.75

No. 20—Japanned, with 7½x2 in. plate, w't per doz. 18 lbs.,
per dozen .....ADJ $2.00
ONE-HALF DOZEN IN A BOX.

STORE DOOR HASPS.



No. 100—1½x5½ in., polished cast bronze metal, extra heavy, with adjustable screws, reversible for 1¾ to 3 in. doors, from center to center of bolts 3 in., w't per doz. 14 lbs., per dozen .....ABJJ $18.00
ONE-HALF DOZEN IN A BOX.

STORE DOOR LOCK SETS.



Nos. B1093 & B1094.



Nos. P1293, OC1293 & SC1293.

No. B1093—Ornamental pattern, 4⅝x3⅛ in. japanned iron case, flat front, reversible easy spring latch, plain bronze plated front and strike, cast metal bolts, 3 tumblers, 2 nickel plated flat solid steel keys, 24 changes, No. 3 finish bronze plated double handles, plates 12¼x2½ in., backset 2⅛ in., w't per set 4¼ lbs., per set **BAE** $3.50

No. B1094—Rabbeted front, otherwise same as No. B1093, per set ..... **BGE** $5.00

ONE SET IN A BOX, WITH SCREWS.

No. P1293—Polished bronze plated, Stratford pattern, 4⅝x3⅛ in. japanned iron case, reversible, bronze plated cast iron front and bolts, steel strike, flat front, easy spring, 3 tumblers, 2 nickel plated flat solid steel keys, plain pattern plated steel handles, plates 12x3 in., backset 2⅛ in., w't per set 4½ lbs..... per set **BAE** $4.25

No. OC1293—Old copper bronze finish, otherwise same as No. P1293..... per set **BAE** $4.25

No. SC1293—Sand blast old copper finish, otherwise same as No. P1293..... per set **BFE** $4.25

No. P7093—Polished bronze, Stratford pattern, 4⅝x3⅛ in. japanned iron case, reversible, plain polished cast bronze metal flat front, strike and bolts, easy spring, 4 steel tumblers, 2 nickel plated flat solid steel keys, cast bronze metal double handles, plates 12¼x2¼ in., backset 2⅛ in., w't per set 5½ lbs..... per set **JEDJ** $11.00

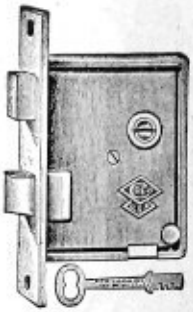
No. OC7093—Old copper bronze finish, otherwise same as No. P7093..... per set **JEDJ** $11.00

No. P7094—Polished bronze, Stratford pattern, 4⅝x3⅛ in., japanned iron case, rabbeted front, not reversible, bronze metal front, strike and bolts, easy spring, 4 steel tumblers, 2 nickel plated flat solid steel keys, cast bronze metal double handles, plates 12¼x2¼ in., backset 2⅛ in., w't per set 5½ lbs..... per set **JFCJ** $12.50

No. OC7094—Old copper bronze finish, otherwise same as No. P7094..... per set **JFCJ** $12.50

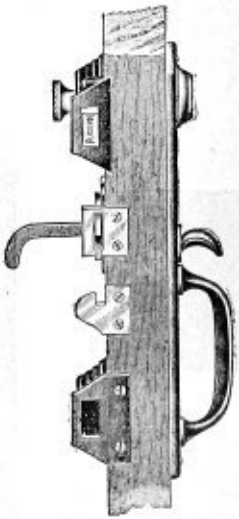
ONE SET IN A BOX, WITH SCREWS.





No. J1093—Plain pattern, 4½x3½ in., japanned iron case, polished bronze flat front, strike and bolts, easy spring latch, 2 nickel plated solid steel keys, japanned iron handles, plates 16x3⅛ in., w't per set 11 lbs., per set ..... **BGJ** $6.00

ONE SET IN A BOX, WITH SCREWS.

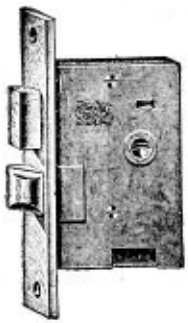


No. OC7088—Rim, 3⅝x2⅝ in., cylinder rim dead lock, 1 cylinder, 3 German silver keys, operated by thumb knob on inside, reversible, for doors 1¼ to 3 in., one 12x3 in. old copper finish bronze metal escutcheon, 5½ in. old copper finish cast bronze grip and thumb latch, bronze bolt, thumb knob and cylinder, w't per set 4 lbs., per set ..... **ECJ** $7.50

ONE SET IN A BOX, WITH SCREWS.

STORE DOOR LOCK SETS.





No. OC5193—Old Copper Bronze Plated, Geneva design, 4⅝x3⅛ in., old copper bronze plated flat front and strike, bronze bolts, easy spring latch, 3 steel tumblers, 2 nickel plated flat solid steel keys, bronze plated handles, plates 15¼x3 in., backset 2⅝ in., w't per set 6½ lbs.....per set **BGJ** $5.50





No. OC5393—Old Copper Bronze Plated, Chatham design, 4½x3½ in., polished old copper bronzed front and strike, bronze bolts, easy spring latch, 2 nickel plated flat steel keys, old copper bronze plated cast handles, and 14½x3 in. plates, w't per set 6 lbs., per set.....**CCJ** $5.50

No. OC8093—Old copper finish, Wellington design, japanned cast case lock 4½x3½ in., with steel front 6½x1⅛ in., cast brass bolts, easy spring, 3 tumblers, 60 changes, 2 nickel plated flat steel keys, backset 2½ in., reversible for right or left hand and reverse bevel, plates 15x3¼ in. steel and 5½ in. cast iron grip, w't per set 5 lbs., per set .....**CJJ** $5.00



No. 8093.

No. DB8093—Dull brass finish, otherwise same as No. OC8093...per set **CJJ** $5.00

ONE SET IN A BOX, WITH SCREWS.





No. OC51414—Old Copper Bronze Plated, Geneva design, 4½x3⅝ in., old copper bronze metal front, strike and bolts, easy spring latch, cylinders adjustable for 1¾ to 2¼ in. doors, 4 German silver keys, bronze plated handles, plates 15¼x3 in., backset 2⅝ in., w't 7½ lbs., per set .....**JFCJ** $10.00

ONE SET IN A BOX, WITH SCREWS.

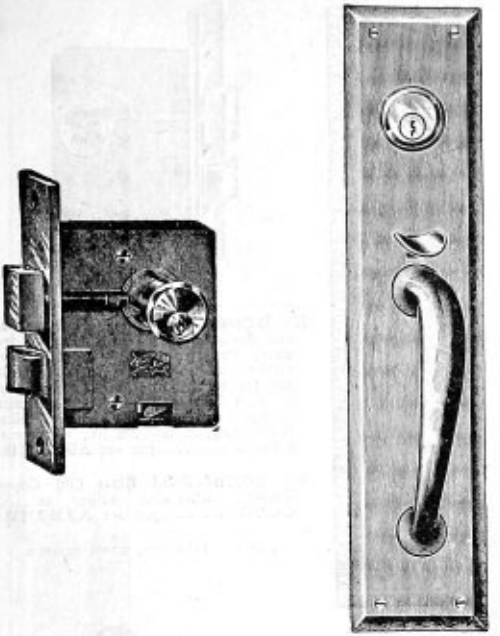




No. OC53414—Old Copper Bronze Plated, Chatham design, 5x3¼ in., polished old copper bronze front, strike and bolts, easy spring latch, cylinders adjustable for doors 1¾ to 2¼ in., 3 German silver keys, old copper plated cast iron handles and 15½x3¼ in. plates, w't per set 7¼ lbs.....per set **JGBJ** $11.00

ONE SET IN A BOX, WITH SCREWS.

STORE DOOR LOCK SETS.



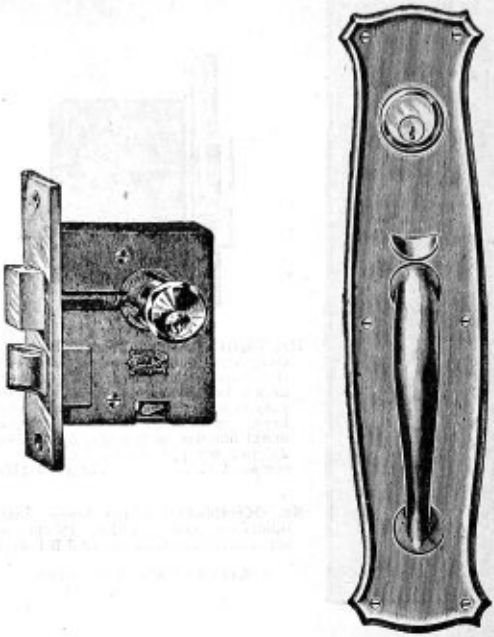
No. **P75414**—Polished Bronze, Stratford design, 4¼x4⅝ in. japanned iron case, reversible, cast bronze flat front, strike and bolts, cylinders adjustable for 1¾ to 2¼ in. doors, easy spring latch, 4 German silver keys, wrought brouze wide bevel plates 14½x3 in., cast bronze handles, backset 2¼ in., w't per set 8½ lbs.....per set **JGBJ** $16.50

No. **OC75414**—Old Copper Bronze Finish, otherwise same as No. P75414.....per set **JGBJ** $16.50

No. **DB75414**—Dull or Lemon Brass Finish, otherwise same as No. P75414.....per set **JGBJ** $16.50

No. **F13414**—Bower Barff, plain pattern, 4½x3⅝ in. japanned iron case, reversible, Bower Barff wrought steel flat front and strike, polished cast bronze metal bolts, cylinder adjustable for 1¾ to 2¼ in. doors, 4 German silver keys, unlimited changes, Bower Barff wrought steel bar handles, plates 12x3 in., backset 2¼ in., w't per set 5½ lbs., per set .....**JFFJ** $18.00

ONE SET IN A BOX, WITH SCREWS.



No. **P76414**—Polished Bronze, Mayfair design, 4¼x4⅝ in. japanned case, cast metal front, strike and bolts, cylinder adjustable for 1¾ to 2¼ in. doors, 4 German silver keys, cast bronze handles, wrought bronze, plates 14½x3½ in., backset 2¼ in., w't per set 7 lbs.....per set **JGBJ** $15.00

No. **OC76414**—Old Copper Bronze Finish, otherwise same as No. P76414.....per set **JGBJ** $15.00

No. **DB76414**—Dull or Lemon Brass, otherwise same as No. P76414.....per set **JGBJ** $15.00

ONE SET IN A BOX, WITH SCREWS.

STORE DOOR LOCK SETS.





No. P90414—Polished Bronze, Plain pattern, 4¼x4½ in., japanned iron case, flat front, strike and bolts, 2 cylinders adjustable for 1¾ to 2¼ in. doors, easy spring latch, 4 German silver keys, unlimited changes, bronze metal handles, plates 15x3 in., backset 2¾ in., w't per set 10 lbs., per set .....**AJBJ** $17.00

No. OC90414—Old copper brone finish, otherwise same as No. P90414, per set .....**AJBJ** $17.00

ONE SET IN A BOX, WITH SCREWS.





No. OC92414—Old Copper Finish, Niagara design, 4¼x4½ in. japanned iron case, flat front, cast metal front, strike and bolts, cylinders adjustable for 1¾ to 2¼ in. doors, easy spring latch, 4 German silver keys, unlimited changes, cast metal handles, plates 16x3½ in., backset 2¼ in., w't per set 9 lbs.....per set **AJHJ** $18.00

No. SC92414—Sand Blast Old Copper Finish, otherwise same as No. OC92414.....per set **AJHJ** $18.00

ONE SET IN A BOX, WITH SCREWS.





No. P96414—Polished Bronze, Cresco design, 4½x4½ in. japanned case, cast bronze metal front, strike and bolts, cylinder adjustable for 1¾ to 2¼ in. doors, 4 German silver keys, cast bronze handles, plates 17⅝x3¼ in., backset 2¾ in., w't 8¼ lbs., per set .....**AADJ** $18.00

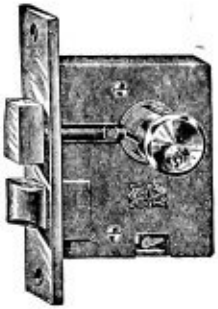
No. OC96414—Old Copper Bronze Finish, otherwise same as No. P96414, per set .....**AADJ** $18.00

No. DB96414—Dull or Lemon Brass Finish, otherwise same as No. P96414, per set .....**AADJ** $18.00

ONE SET IN A BOX, WITH SCREWS.

STORE DOOR LOCK SETS AND HANDLES.





No. OC98414—Old Copper Bronze Finish, Richmond design, 4½x4¼ in. japanned case, cast bronze metal front, strike and bolts, cylinders adjustable for 1¾ to 2¼ in. doors, 4 German silver keys, cast bronze handles, plates 18x3½ in., backset 2¾ in., w't per set 12½ lbs., per set, **ABFJ** $20.00

No. DB98414—Dull or Lemon Brass, otherwise same as No. OC98414, per set, **ABFJ** $20.00





No. DB97414—Dull or Lemon Brass Finish, Theseus design, 4½x4⅛ in. japanned case, cast bronze metal front, strike and bolts, cylinders adjustable for 1¼ to 2¼ in. doors, 4 German silver keys, cast bronze handles, plates 19x3¼ in., w't 10 lbs., per set ..... **ABFJ** $18.50

No. SC97414—Sand Blast Old Copper Finish, otherwise same as No. DB97414.....per set **ABFJ** $18.50

ONE SET IN A BOX, WITH SCREWS.





No. OC94414—Old Copper Bronze Finish, 5½x3¾ in. japanned case, cast bronze metal front, strike and bolts, cylinders adjustable for 1¼ to 2¼ in. doors, 4 German silver keys, cast bronze sectional handles and round base plates 14½x2¼ in. over all, backset 2¾ in., w't per set 8¼ lbs.....per set **JIIJ** $17.00

No. DB94414—Dull or Lemon Brass Finish, otherwise same as No. OC94414, per set ..... **JIIJ** $17.00

ONE SET IN A BOX, WITH SCREWS.

STORE DOOR HANDLES.



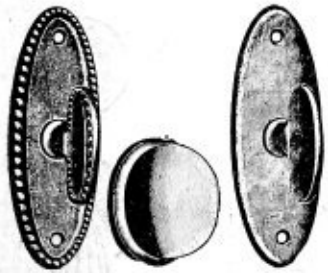


No. OC95414—Old copper bronze finish, 5½x4¾ in., japanned case, cast bronzed metal front, strike and bolts, cylinders adjustable for 1¼ to 2¼ in. door, 4 German silver keys, cast bronze sectional handles and octagon base plates 14½x2¼ in. over all, backset 2¾ in...per set **JIIJ** $17.00

No. DB95414—Dull or lemon brass finish, otherwise same as No. OC95414, per set ..... **JIIJ** $17.00

ONE SET IN A BOX, WITH SCREWS.

DOOR BELLS.



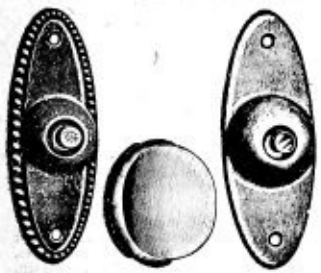
No. 42 Bell for Nos. 42 and 43. No. 43.

No. OC42—Electrical sounding, 3 in. old copper steel gong, 5½x2 in. plate, beaded pattern, old copper bronze turn knob and plate, w't per doz. 12 lbs., per dozen .....**DCJ** $8.00

No. DB42—Dull brass finish, otherwise same as No. 42, per dozen **DCJ** $8.00

No. OC43—Plain oval pattern, otherwise same as No. 42, per dozen **DCJ** $8.00

No. DB43—Dull brass finish, otherwise same as No. 43, per dozen **DCJ** $8.00



No .49. Bell for Nos. 47 and 49. No. 47.

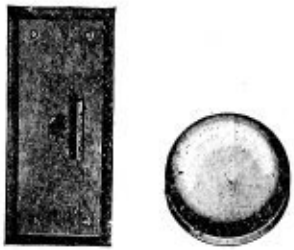
No. OC 49—Electrical sounding, 3 in. old copper finish steel gong, 5½x2 in. old copper finish bronze plate, beaded pattern, w't per doz. 12 lbs., per dozen .....**JGBJ** $13.00

No. DB49—Dull brass finish, otherwise same as No. 49, per doz. **JGBJ** $13.00

No. OC47—Plain oval pattern, otherwise same as No. 49, per doz. **JGBJ** $13.00

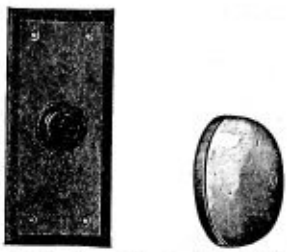
No. DB47—Dull brass finish, otherwise same as No. 47, per doz. JGBJ $13.00

ONE IN A BOX.



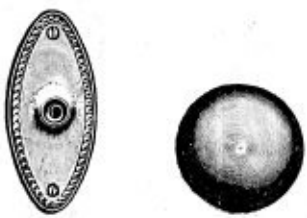
No. OC44—Electrical sounding 3 in. old copper steel gong, 5½x2½ in. old copper finish bronze plate and bronze turn knob, w't per doz. 12 lbs., per dozen .....**DCJ** $8.00

No. DB44—Dull brass finish otherwise same as OC44, w't per doz. 12 lbs., per dozen .....**DCJ** $8.00



No. OC45—Electrical sounding, 3 in. old copper plated steel bronze, 5½x2 in. old copper finish bronze plate with push button, w't per doz. 12 lbs., per dozen .....**JGBJ** $13.00

No. DB45—Dull brass finish, otherwise same as No. OC45, w't per doz. 12 lbs., per dozen .....**JGBJ** $13.00



No. 32—Electrical sounding, 3½ in. old copper finish steel gong, 4¼x2⅝ in. old copper finish bronze plate, beaded pattern, w't per doz. 12 lbs., per dozen .....**JGHJ** $13.00

No. 34—Dull brass finish, otherwise same as No. 32, per doz. **JGHJ** $13.00

ONE IN A BOX.

MAIL ORDER DEPARTMENT

Our constant attention in sixty years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

ALARM BELLS, HOUSE NUMBERS, ETC.

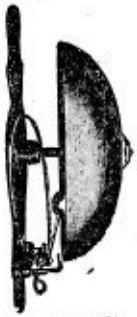
ALARM DOOR BELLS AND HOUSE GONGS.



No. 14.

No. 14 — 4 in. bronzed steel, w't per doz. 15 lbs., per dozen .....$5.00 **CIJ**

ONE IN A BOX.



Nos. 45 to 56.

House Gong, Single or Double Trip, with Japanned Iron Plate.

No. 45—5 in., bronzed steel, w't per doz. 24 lbs. .....per dozen **EDE** $7.00

No. 46—6 in., bronzed steel, w't per doz. 30 lbs....per dozen **JGHJ** $10.00

ONE IN A BOX.

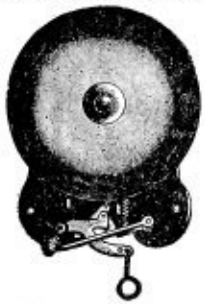
AUTOMATIC ALARM.



No. 44—Nickel plated, 3 in., per dozen .....**FJJ** $9.00

Sounds alarm moment door is opened, automatically reset when door closes. Can be rendered silent by stop mechanism. Easily applied, always reliable.

LOCOMOTIVE GONGS.



Polished Wrought Brass, Central Pull, Outside Trip Gong.

Inches	6	8	10
W't, doz., lbs..	24	60	126
Per dozen	$24.00	46.00	84.00
	AEFJ	**BIHJ**	**EDEJ**

10 in. has lignumvitae hammer.

ONE IN A PACKAGE.

PUSH BUTTONS.



Plain Pattern, Diameter 2⅜ in.

No. P157—Polished bronze plated steel, w't per doz. 3 lbs., per dozen .....$4.00 **ACJ**

No. OC157—Polished old copper finish, steel, w't per doz. 3 lbs. ..per dozen **ADJ** $4.50

No. DB157—Dull brass plated steel, w't per doz. 3 lbs. ..per dozen **ADJ** $4.50

No. P57—Polished cast bronze metal, w't per doz. 3 lbs., per doz. **AEJ** $4.80

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

SPEAKING TUBE WHISTLES.



No. 17—Nickel plated, with indicator, w't per doz. 10 lbs.....per dozen $4.00 **BDJ**

ONE DOZEN IN A BOX.

LETTER BOX PLATES.



No. OC185—7¼x2½ in., old copper finish steel with back plate same size, opening 5 in., spring controlled flap, w't per dozen, 8 lbs..per dozen $10.00 **JEGE**

No. DB185—Dull brass finish, w't per doz. 8 lbs., otherwise same as No. OC185.....per dozen **JEGE** $10.00

No. OC85—Old copper plated wrought bronze metal, w't per doz. 8 lbs., otherwise same as No. OC185, per dozen .....**JGHJ** $13.00

No. DB85—Dull brass plated brass metal, w't per doz. 8 lbs., otherwise same as No. OC185, per dozen $13.00 **JGHJ**

No. OC86—9¼x3½ in., old copper finish, wrought bronze, with back plate same size, opening 7¼x2 in., spring flap, w't per doz. 12 lbs., per dozen.....**ADDJ** $24.00

No. DB86—Dull brass finish, brass metal w't per doz. 12 lbs., per dozen.....**ADDJ** $24.00

ONE DOZEN IN A BOX, COMPLETE WITH SCREWS.

HOUSE NUMBERS.



White Metal.

No. 26—3 in., old copper plated each.....**JG** $0.15

No. 28—3 in., dull brass plated, each.....**JG** $0.15

These numbers are the same appearance as our No. 20, but at less than half the price.

ONE IN AN ENVELOPE, WITH SCREWS;



No. 15. No. 16.

No. 15—3 in., oval, polished stamped sheet aluminum, w't per doz. ½ lb., each.....**D** $0.6

No. 16—3 in., oval, polished old copper wrought bronze metal, w't per doz. 1½ lbs.....each **JE** $0.10

NO. 15, FOUR DOZEN; NO. 16, ONE DOZEN IN A BOX WITH PINS.



No. 150—Assortment consisting of 12 of each, No. 15 aluminum house numbers, number 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 in partioned boxes, per assortment.....**CJJ** $7.25



No. 20—4½ in., fancy cast bronze metal, plain bronze finish, w't per doz. 4 lbs.....each **AD** $0.25

No. 22—Polished old copper finish, otherwise same as No. 20, w't per doz. 4 lbs.....each **AD** $0.25

ONE DOZEN IN A BOX, WITH SCREWS.
ONE DOZEN IN A BOX.

HOUSE MAIL BOXES.



No. 10—Cruso, 9x5½x2½ in., dull japanned, staple for padlock, w't per doz. 14 lbs. ....per dozen **BGJ** $4.00
ONE IN A BOX.



No. 15 REVERSE—9½x6x3 in., aluminum bronzed galvanized steel, with spring top, all parts riveted, glass front with paper clip, w't per doz. 24 lbs.,
per dozen .....**FJJ** $7.50
No. 25 REVERSE—with 2 tumbler brass nose lock, otherwise same as No. 15,
per dozen .....**FGJ** $9.50
No. 26 REVERSE—Old copper finish, with 2 tumbler brass nose lock, otherwise same as No. 15,
per dozen .....**JIIJ** $12.00
ONE IN A BOX.



No 12—Japanned steel, 10½x5½x11½ in, with newspaper clip and staple for padlock, w't per doz. 14 lbs.,
per dozen .....**ADJ** $2.25
ONE DOZEN IN A CARTON.



No. 03—12½x5½x12½ in., cast iron, sheet steel back, japanned, hinged slot cover and top, covered peep hole, gilt lettered, wire paper nolder, w't per doz. 48 lbs.....per doz. **DHJ** $9.00
ONE IN A BOX.



No. 55—Japanned, 11x5½x2½ in., paper clip, 2 keyed lock, w't per doz. 24 lbs., per dozen .....**DBJ** $7.50
ONE IN A BOX, WITH SCREWS.



No. 102—10½x5½x2¾ in, sheet metal, black japanned, firmly riveted, hinged slot cover, 4¼x5 in door, with a secure lever spring lock, 1x2¼ in. glass panel, heavy spring paper holder, 2 keys, w't per doz. 30 lbs.,
2 keys, w't per doz. 30 lbs.,
per dozen .....**ACEJ** $18.00
No. 104—Old copper finish, otherwise same as No. 102,
per dozen .....**AHJJ** $24.00
Made of heavy sheet metal, stamped to shape, firmly riveted and more durable than cast boxes.
They have a heavy glass panel so that contents can be seen, the brass clip on the inside affords protection, and holds card of owner's name.
ONE IN A BOX.



No. 50—Standard, 5½x11x2½ in., black enamel steel, wide openings, rounded edges, strong heavy build, w't per doz. 23 lbs. .....per dozen **EDJ** $9.00



No. 40—Climax, 5½x11¾x2½ in., glossy black japanned steel, door slides up and down, w't per doz. 27 lbs., per dozen .....**CJJ** $5.00



No. 75—Climax, 5½x11¾x2½ in., glossy black japanned steel, strong and heavy, with large package holder, flat keyed lock, w't per doz. 27 lbs., per dozen .....**EAE** $8.00

No. 80—Climax, old copper plated, otherwise same as No. 75,
per dozen .....**JFEJ** $10.00

ONE IN A CARTON; TWO DOZEN IN A CASE.

MAIL BOXES.

RURAL FREE DELIVERY.



Stock or F. O. B. Indianapolis, Ind.

No. 200—6x7½x18½ in. inside measurement, galvanized steel, aluminum bronzed, automatic spring hasp, opening at end, w't per doz., crated, 85 lbs., per dozen ..... **JHDJ** $12.00

ONE DOZEN IN A CRATE.





Stock or F. O. B. Deshler, O.

No. 300—R. F. D., 7x8x19 in., galvanized iron, aluminum bronzed, automatic spring hasp, end opening, knocked down and nested one-half dozen in a crate, w't per doz. 80 lbs., per dozen ..... **JIJJ** $12.00

Absolutely storm proof, perfect in operation, positive locking signal in either position, up or down, weather-proof slot in door for depositing the mail without unlocking the box.

Takes up less room in stock and takes lower freight rate than old style boxes.

ONE-HALF DOZEN IN A CRATE.

WE DO NOT BREAK CRATES.

RURAL FREE DELIVERY.



Stock or F. O. B. Indianapolis, Ind.

No. 100—6x7x18½ in. inside measurement, galvanized steel, self-locking signal, plainly lettered "U. S. Mail," w't per doz., crated, 105 lbs., per dozen ..... **JHDJ** $13.00

Each box is provided with a self-locking signal at the end, which can be seen at a great distance. This is to be used by patron and carrier to indicate that there is mail in the box, and can be operated only when the box is opened, so cannot be tampered with. On the inside is a receptacle for outgoing mail. Each one is plainly lettered "U. S. Mail," and stenciled "Approved by the Postmaster General." They are strictly storm-proof, safe and durable.

For master key padlocks, especially adapted for rural free delivery mail boxes, see page 303.

ONE DOZEN IN A CRATE.



Stock or F. O. B. Deshler, O.

No. 150—Ohio, 20 gauge galvanized iron lid, 22 gauge galvanized iron body, reenforced front and back, well fitted and storm-proof, w't per doz. 80 lbs., per dozen ..... **JHDJ** $12.00

Approved by the Postmaster General.

RURAL FREE DELIVERY.





Stock or F. O. B. Berlin, Wis.

No. 440—Gem, 19x8½x6 in., 22 gauge, galvanized iron, aluminum bronzed, storm proof, door hinged at bottom and with spring, inside letter and penny holder, letter drop in door, w't per doz. 85 lbs., per doz. **JHGE** $12.00

All lettering embossed on door Approved by the Postmaster General.

ONE-QUARTER DOZEN IN A CRATE.

FREE OFFER

In lots of two dozen or more we will print users name free of charge on any of the boxes shown on this page.

Shipment from Factory only F.O.B. Factory.

SASH LIFTS AND TRIMMINGS.

FLUSH.



Plain Pattern.

No. OC163—3x1½ in., old copper plated steel .....per dozen **JDJ** $1.30
No. N163—3x1¾ in., nickel plated steel, per dozen .....**JEE** $1.30
No. DB163—3x1¼ in., dull or lemon brass plated steel, per dozen .....**JDJ** $1.30
No. P63—3x1¾ in., polished wrought bronze metal ..per dozen **JGJ** $1.60
No. OC63—3x1¾ in., polished old copper plated wrought bronze metal, per dozen .....**JHE** $1.90

ONE DOZEN IN A BOX, WITH SCREWS. W'T PER DOZEN 2 LBS.

HOOK.



No. P162—1¼ in., bronze plated steel, per dozen .....**AB** $0.60
No. OC162—1½ in., old copper plated steel .....per dozen **AB** $0.80
No. DB162—1½ in., dull brass or lemon brass plated steel, per doz. **AB** $0.80
No. F162—1¾ in., Bower-Barff wrought steel .....per dozen **JEJ** $1.50
No. N162—1¾ in., nickel plated steel, per dozen .....**CF** $0.90

ONE DOZEN IN A BOX, WITH SCREWS.



Size 1½ in.

No. P62½—Polished wrought bronze metal .....per dzoen **FJ** $0.90
No. DB62½—Dull brass metal, per dozen .....**JFJ** $1.00
No. OC62½—Polished old copper plated wrought bronze, per doz. **JFJ** $1.10

ONE DOZEN IN A BOX, WITH SCREWS.

SASH LIFTS AND LOCKS.



Steel, Size 2x1¼ in.

No. OC0710—Old copper plated, per dozen .....**AAJ** $3.75
No. DB0710—Dull brass plated finish, per dozen .....**AAJ** $4.00

TWO DOZEN IN A BOX.

BAR.



4 Inch, Steel.

No. OC193—Old copper plated, w't per doz. 2¼ lbs. ....per dozen **JEE** $2.00
No. DB193—Dull brass finish, w't per doz. 2¼ lbs. ....per dozen **JEE** $2.00

ONE DOZEN IN A BOX.



Size 5½ in.

No. OC196—Old copper plated steel, per dozen .....**JEE** $1.00
No. F196—Bower-Barff, iron, otherwise same as No. OC196, per dozen .....**AEJ** $2.00
No. DB196—Dull or lemon brass plated steel .....per dozen **JEE** $1.00
No. P96—Polished wrought bronze metal, per dozen .....**AHJ** $3.00
No. OC96—Polished old copper plated wrought bronze metal, per dozen .....**AHJ** $3.00
No. DB96—Dull or lemon brass metal, per dozen .....**AHJ** $3.00

ONE DOZEN IN A BOX, WITH SCREWS. W'T PER DOZEN 1¾ LBS.

No. OC194—4 in., old copper plated steel, w't per doz. 1¾ lbs., per dozen .....**EJ** $0.80
No. N194—Nickel plated steel, otherwise same as No. OC194, per dozen .....**JFJ** $1.20
No. DB194—Dull brass plated steel, otherwise same as No. OC194, per dozen .....**EJ** $0.90

ONE DOZEN IN A BOX, WITH SCREWS. W'T PER DOZEN 1¼ LBS.

No. OC195—4 in. old copper plated iron, w't per doz. 2½ lbs., per doz. **DB** $0.70
No. DB195—4 in. dull brass plated iron, w't per doz. 2½ lbs., per doz. **DB** $0.70

ONE DOZEN IN A BOX, WITH SCREWS.

STOP SCREWS AND WASHERS.



Size 1¼x8 Inches.

No. 2—Bronze plated iron, per gross .....**JFE** 1.50
No. 3—Old copper finish bronze plated iron .....per gross **JFE** $1.50
No. 7—Dull or lemon brass finished iron .....per gross **JFE** $1.50
No. 4—Nickel plated iron, per gross .....**JHE** 2.10

WINDOW SPRING BOLTS.



No. 200—Light copper bronzed iron, with zinc case, w't per gross 7½ lbs., per gross .....**ACJ** $1.80

No. 250—Japanned iron, silver capped, with zinc case, w't per gro. 7½ lbs., per gross .....**AHJ** $2.50



No. 100—Tinned wrought iron, with heavy zinc case, w't per gro. 8½ lbs., per gross .....**BJE** $3.30

No. 150—Tinned malleable iron, with heavy zinc case, w't per gro. 8 lbs., per gross .....**BAJ** $3.00

No. 175—Tinned malleable iron, extra long, heavy znic case, w't per gro. 9⅜ lbs. .....per gross **BDJ** $4.20

JUDD'S BOLT SOCKETS.



No.1—Bright cast iron, w't per gro. 2 lbs. .....per gross **DB** $0.60

ONE GROSS IN A BOX.

WINDOW STOP ADJUSTERS.



IVES'.

No. 743—Dull or lemon brass finish steel .....per gross **AFJ** $2.20
No. 749—Polished old copper finish bronze plated steel, per gross .....**AFJ** $2.20
No. 750—Polished old copper finish bronze metal....per gross **BCJ** $3.15
No. 751—Dull or lemon brass finish brass .....per gross **BCJ** $3.15

ONE GROSS IN A BOX. AVERAGE W'T, ABOUT 1½ LBS. PER GROSS.

SASH LOCKS AND TRIMMINGS.

STEEL.



Size 2¾x1 in.

No. 900—Walnut bronzed steel, per dozen .....JDF $1.50
No. P900—Plain electro bronze plated steel.....per dozen JDH $4.00
No. OC900—Old copper finish steel, per dozen .....JDH $3.00
No. DB900—Dull or lemon brass finish steel.....per dozen JDH $3.50
No. N900—Nickel plated steel, per dozen .....JHB $5.00
No. F900—Bower-Barff steel, per dozen .....AAJ 3.50
No. P1000—Polished wrought bronze metal.....per dozen BAE $7.50
No. OC1000—Polished old copper finish wrought bronze metal, per dozen .....BAE $8.00
No. DB1000—Dull brass metal, per dozen .....BAE $8.00
No. N1000—Nickel plated bronze, per dozen .....BDJ $9.00

ONE DOZEN IN A BOX, WITH SCREWS.
AVERAGE W'T ABOUT 2¼ LBS. PER DOZEN.

IVES.



No. 0304—17/8x1¼ in., walnut bronzed iron, w't per doz. 2 lbs., per dozen .....DC $0.90

ONE DOZEN IN A BOX, WITH SCREWS.

CAST.



Size 2¾x1 in.

No. 540—Walnut bronzed iron, per dozen .....JDB $1.15
No. P540—Plain bronze plated iron, per dozen .....JDH $1.70
No. OC540—Unpolished old copper finish bronze plated iron, per dozen .....JDH $1.70
No. DB540—Dull or lemon brass finish iron.....per dozen JDH $1.70
No. F540—Bower-Barff iron, per dozen .....AAJ $2.50
No. P550—Polished cast bronze metal, per dozen .....CCJ $6.40
No. OC550—Polished old copper finish cast bronze.....per dozen CCJ $7.20
No. DB550—Dull brass metal, per dozen .....CCJ $6.00

ONE DOZEN IN A BOX, WITH SCREWS.
AVERAGE W'T ABOUT 3 LBS. PER DOZ.

SASH ROLLERS.



Japanned Iron.

No. 5—				
Width, in..	5/8	3/4	7/8	1
Wheel, in. ..	3/8	1/2	5/8	3/4
W't per gro., lbs.	7	9	14	18
Per gross ...	$1.75	2.00	3.00	4.00
	AEJ	AFJ	BDJ	CEJ

ONE-HALF GROSS IN A BOX.

PAYSON'S PERFECT.



No. 19—2½x1¼ in., walnut bronzed iron, cast bronze metal knob, with spring, w't per doz. 3¼ lbs., per dozen .....JHE $1.75

ONE DOZEN IN A BOX, WITH SCREWS.

PAYSON'S SIGNAL.



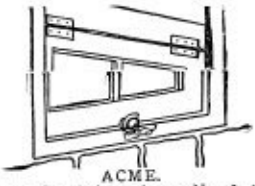
With Spring Bolt, Size 1⅛x¾ in.

No. 570—Walnut bronzed iron, per dozen .....JFJ $1.50
No. 573—Old copper finish bronze plated iron.....per dozen JIJ $2.75

Lifts the upper sash to place. Draws both sashes together tight. Locks with certainty over wide front plate. Perfectly burglar-proof.

ONE DOZEN IN A BOX, WITH SCREWS.
W'T 2¼ LBS. PER DOZ.

BASEMENT WINDOW SETS.



ACME.

No. 14—Consisting of one No. 5 Acme fastener, one pair 2 in. japanned wrought steel butts, and one 3 in. bright wire gate hook and eye, with screws, w't per doz. sets 6½ lbs., per dozen sets.....AEE $2.70

ONE SET IN A BOX.



No. 901—Consisting of one pair 2x2 in. japanned butts, one lock, 2½ in. japanned hook and eyes, with screws, w't per doz. sets 6½ lbs., per dozen sets .....ABJ $2.50
No. 902—Galvanized, otherwise same as No. 901....per dozen sets ADE $2.75

ONE SET IN A BOX, 12 BOXES IN A CARTON.

CHAMPION SIDE.



Nos. 100 & 190. No. 180.

No. 100—Walnut bronzed iron, per dozen .....JFJ $1.20
No. 190—Bronze plated iron, per dozen .....JIJ $1.75
No. 180—Old copper finished bronze plated iron.....per dozen JIJ $2.25
No. 185—Dull brass, otherwise same as No. 180.....per dozen JIJ $2.25

ONE DOZEN IN A BOX, WITH SCREWS.
W'T 1¼ LBS. PER DOZ.



VENTILATING SASH LOCKS.



This lock is always on guard. You can't forget to lock it. It locks itself. Windows open for ventilation are still locked securely. The burglar's "jimmy" can't force this lock. Better than a policeman. It is there all the time. It never sleeps. But you can. This lock fits all windows. We furnish longer bolts for O. G. Sash.

Harlev Burglar Proof, Cold Rolled Steel.

No. OC130—Old copper plated, w't per doz. 4 lbs., per dozen .....CFJ $6.00
No. DB130—Dull brass plated, otherwise same as No. OC130, per dozen .....CFJ $7.00

Allows window to be opened seven inches either at top or bottom while securely locked. Automatic locking.

ONE DOZEN IN A BOX, WITH SCREWS.



Cannon.

No. OC140—Cold rolled steel, old copper plated, easy to attach, strong and effective, w't per doz. 1 lb., per dozen .....ADE $2.50
No. DB140—Dull brass plated, otherwise same as No. OC140, per dozen .....ADE $2.50

ONE DOZEN ON A CARD, WITH SCREWS.

SASH TRIMMINGS.

SASH WEIGHTS.



IRON SASH WEIGHTS, ROUND, REGULAR STOCK.

Nos. 3 to 16 ..... per pound $0.03

Sold by marked weight, which is approximate, not guaranteed.

Iron check weights, round, w't ½ lb., for increasing regular weights, ½ lb. ..... per dozen **BD** $0.80

Special sizes and weights made to order, cannot be furnished except at an advanced price.

Shipped in bundles wired together unless otherwise specified.

Tables.

No.	**3**	**3½**	**4**	**4½**	**5**
Approximate w't, lbs.	3	3½	4	4½	5
Diameter, in.	1½	1⅝	1½	1½	1½
Length, in.	5¼	7	8¼	9¼	11⅜
No.	**5½**	**6**	**6½**	**7**	**7½**
Approximate w't, lbs.	5½	6	6½	7	7½
Diameter, in.	1½	1 17-32	1½	1½	1½
Length, in.	12¼	13½	14⅞	15⅞	17
No.	**8**		**9**	**10**	**11**
Approximate w't, lbs.	8		9	10	11
Diameter, in.	1½		1⅝	1¾	1¾
Length, in.	18		17½	16½	18⅛
No.	**12**	**13**	**14**	**15**	**16**
Approximate w't, lbs.	12	13	14	15	16
Diameter, in.	1¾	1⅜	1¾	1¼	1¼
Length, in.	19⅜	21⅛	22⅝	24⅛	25⅝

Length Per Lb. of Round and Square Weights.

Diameter, in.	**2**	**2⅛**	**2½**	**3**
Square w'ts, in.	.93	.737	.608	.413
Round w'ts, in.	1.18	.956	.768	.536

Approximate Weight of Sash Weights for Glazed Sash. Two Light 1⅜ in. Check Rail Sash.

Size of Glass Inches	Single Lbs.	Double Lbs.	Size of Glass Inches	Single Lbs.	Double Lbs.
20x24	4	5	24x34	6½	7½
20x26	4	5	24x36	7	8
20x28	4½	5½	24x38	7½	9
20x30	4½	5½	24x40	8	9½
20x32	5	6	26x30	6	7
20x34	5½	6½	26x32	6½	7½
20x36	6	7	26x34	7	8
20x38	6½	7½	26x36	7½	9
20x40	7	8	26x38	8	9½
22x28	4½	5½	26x40	8½	10
22x30	5	6	28x32	7	8
22x32	5½	6½	28x34	7½	9
22x34	6	7	28x36	8	9½
22x36	6½	7½	28x38	8½	10
22x38	7	8	28x40	9	10½
22x40	7½	9	32x36	8½	10
24x30	5½	6	32x38	9	10½
24x32	6	7	32x40	9½	11½

Four Light.

Size of Glass Inches	Single Lbs.	Double Lbs.	Size of Glass Inches	Single Lbs.	Double Lbs.
10x20	3½	4	14x28	6	7
10x22	4	5	14x30	6½	7½
10x24	4½	5½	14x32	7	8
12x20	4	5	14x34	7½	9
12x22	4	5	14x36	8	9½
12x24	4½	5½	14x38	9	10½
12x26	5	6	14x40	9½	11
12x28	5½	6½	16x24	5½	6½
12x30	6	7	16x26	6	7
12x32	6½	7½	16x28	6½	7½
12x34	7	8	16x30	7	8
12x36	7½	9	16x32	7½	9
12x38	8	9½	16x34	8	9½
12x40	8½	10	16x36	8½	10
14x24	5	6	16x38	9	10½
14x26	5½	6½	16x40	9½	11

LEAD SASH WEIGHTS.



Compressed Lead, with wrought iron rod through center, twice as heavy as iron, solid, compact, noiseless, per pound ..... **AA** $0.15

These weights are twice as heavy as iron weights and consequently save one-half the space. They are the only lead weights with secure and reliable fastenings, a wrought iron rod being run through the center to which are securely attached the malleable iron fittings.

Table of Weights.

Size, Inches	Round, Per Ft., Lbs.	Square, Per Ft. Lbs.
1	3½	4.93
1¼	6	7.68
1½	8½	10.27
1⅞	11¾	15.08
2	15½	19.02
2¼	18½	24.
2½	23.	30.82
2¾	28.03	37.27
3	34.81	44.38
3¼	40.52	52.07
3½	47.26	60.82

SASH CORD IRONS.



No. 10.



No. 20.

No. 10—Malleable iron, w't per gro. 4 lbs., per gross **CF** $0.60

No. 20—Phillips', wrought steel, w't per gro. 2¼ lbs., per gross ..... **AFJ** $2.50

One blow of a hammer secures the No. 20 firmly to end of sash cord.

ONE GROSS IN A BOX.

SASH WEIGHT FASTENERS.



No. 30—Crough's, wrought steel, w't per gro. 1 lb., per gross ..... **JGJ** $1.80

ONE GROSS IN A BOX.

SASH TRIMMING.

SASH PULL PLATES.



Size 1⅛ in. No. 160.



Size 2⅜x1⅛ in. No. 161.

No. OC160—Old copper finish iron, per dozen .....**DJ** $0.90
TWO DOZEN IN A BOX, WITH SCREWS.
AVERAGE W'T PER DOZEN 1 LB.

No. OC161—Old copper finish iron, per dozen .....**JEJ** $1.25
No. DB161—Dull or lemon brass finish iron .....per dozen **JEJ** $1.25
No. F161—Bower-Barff iron, per dozen .....**JIJ** $2.00
No. OC61—Polished old copper finish cast bronze metal, per dozen .....**JIJ** $1.80
No. DB61—Dull or lemon brass metal, per dozen .....**JIJ** $1.85
ONE DOZEN IN A BOX, WITH SCREWS.
AVERAGE W'T PER DOZEN 1½ LBS.

SASH PULL HOOKS.



Size 2⅞ in.

No. OC159—Old copper finish iron, per dozen .....**BCJ** $3.00
No. DB159—Dull or lemon brass finish iron .....per dozen **BCJ** $3.00
ONE DOZEN IN A BOX, WITH SCREWS.
AVERAGE W'T PER DOZEN 3 LBS.

SASH CENTERS.



No. 1.



Nos. 43 and 44.

No. 1—2 in., japanned iron, right or left hand, ¾ in. pin, w't per gro. sets 22 lbs. .....per gross sets **BCE** $3.00
No. 2—2¾ in., japanned iron, right or left hand, ½ in. pin, w't per gro. sets 32 lbs. .....per gross sets **DAE** $6.20
NO. 1, ONE-HALF GROSS; NO. 2, ONE-QUARTER GROSS IN A BOX.

No. 43—2¾x⅞ in., coppered iron, ⅜ in. pin, w't per doz. 4 lbs., per dozen sets .....**DJ** $0.85
No. 44—2¾x1 in., coppered iron, ½ in. pin, w't per doz. 6 lbs., per dozen sets .....**JEJ** $1.45
No. 45—3½x1⅛ in., coppered iron, ⅝ in. pin, w't per doz. 10 lbs., per dozen sets .....**JIJ** $2.30
A set consists of four pieces complete for both sides of sash.
NOS. 43 AND 44, ONE DOZEN SETS; NO. 45, ONE-HALF DOZEN SETS IN A BOX, WITHOUT SCREWS.

CASEMENT WINDOW CATCHES.



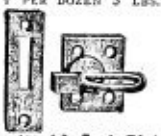
Iron, 2½x¾ in. Plate.
No. OC1888—R. or R. H., old copper finish, rim strike, per dozen **AHJ** $3.00
No. DB1888—R. or R. H., dull or lemon brass finish, rim strike, per dozen .....**AHJ** $3.00
No. OC1899—R. or R. H., old copper finish, mortise strike, per dozen .....**AHJ** $3.00
No. DB1899—R. or R. H., dull or lemon brass finish, mortise strike, per dozen .....**AHJ** $3.00
ONE DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 4 LBS.



Iron, 2x1⅛ Inch Plate.
No. OC198—Old copper finish, with rim strike .....per dozen **BJJ** $3.40
No. DB198—Dull or lemon brass finish, rim strike .....per dozen **BJJ** $3.40
No. OC199—Old copper finish, mortise strike .....per dozen **BJJ** $3.40
No. DB199—Dull or lemon brass, mortise strike .....per dozen **BJJ** $3.40
ONE DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 4 LBS.

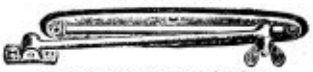


Iron, 1⅝x1⅛ Inch Plate
No. J1680—Japanned, per dozen .....**AAJ** $2.10
No. OC1680—Old copper finish, per dozen .....**ACJ** 3.75
No. OC680—Bronze metal, otherwise same as No. OC1680, per dozen .....**CFJ** $6.30
No. DB1680—Dull or lemon brass finish, per dozen .....**ACJ** $3.75
No. DB680—Bronze metal, otherwise same as No. DB1680, per dozen .....**CFJ** $6.30
ONE DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 3 LBS.



Iron, 1¾x1⅞ Inch Plate.
No. OC1684—Old copper finish, per dozen .....**ACJ** $3.75
No. OC684—Bronze metal, otherwise same as No. OC1684, per dozen .....**CFJ** $6.30
No. DB1684—Dull or lemon brass finish, per dozen .....**ACJ** $3.75
No. DB684—Bronze metal, otherwise same as No. DB1684, per dozen .....**CFJ** $6.30
ONE DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 2½ LBS.

CASEMENT WINDOW ADJUSTERS.



Iron, 8¾ in. Plate, 8 in. Bar.
No. OC1686—Old copper finish, per dozen .....**CFJ** $6.00
No. DB1686—Dull or lemon brass finish, per dozen .....**CFJ** $6.00
For right or left hand windows opening "out."
ONE-HALF DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 5 LBS.



Iron, Length 12 in.
No. OC1688—Old copper finish, per dozen .....**DHJ** $8.50
No. DB1688—Dull or lemon brass finish, per dozen .....**DHJ** $8.50
For right or left hand windows opening "in."
ONE-HALF DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 4½ LBS.

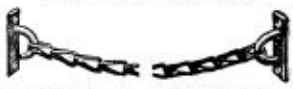


No. OC191—Payson's old copper finish steel, length 12 in., automatic locking, w't per doz. 6 lbs., per dozen .....**JFAJ** $10.50
No. DB191—Dull or lemon brass, otherwise same as No. OC191, per dozen .....**JFAJ** $10.50
Will operate casement windows swinging in or out, or center hung.
ONE-HALF DOZEN IN A BOX, WITH SCREWS.



Iron, Length 13 Inches, Diam. ⅜ Inch.
No. C190—Common, coppered, per dozen .....**BIJ** $6.50
No. OC190—Old copper finish, per dozen .....**CHE** 9.75
No. DB190—Dull or lemon brass finish, per dozen .....**CHE** $9.75
For right or left hand windows opening "out."
ONE-HALF DOZEN IN A BOX. W'T PER DOZEN 4¾ LBS.

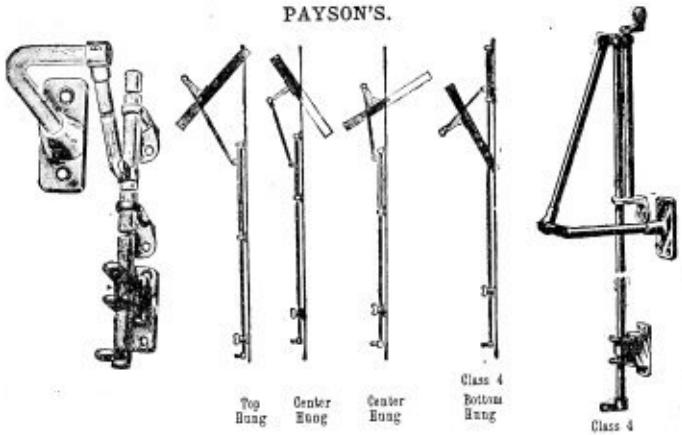
TRANSOM CHAINS.



No. OC188—14 in., steel, polished old copper finish ..per dozen **AEE** $4.80
No. DB188—14 in., steel, dull brass finish .....per dozen **AEE** $4.80
ONE DOZEN IN A BOX, WITH SCREWS.
W'T PER DOZEN 4 LBS.

TRANSOM LIFTERS.

PAYSON'S.



The "Solid Grip" lifter will lock instantly at any point, and is adapted for either top, bottom, or center hung transoms, but all bottom hung transoms should be hung with special class 4 lifters, and must be so hung when there is but small space above the transom. Transoms hinged at the bottom afford better protection against rain, draughts, storms and intruders. They can be screened more easily and can be guarded with transom chains.

The Special Class 4 must be used for bottom hung transoms, where space overhead will not admit the using of regular lifter.

Bronzed Iron.

Nos.	303	304	314	315
Diameter, in.	¼	5/16	⅜	⅜
Rod, ft.	3	4	4	5
W't, lbs.	⅞	1	2	2¼
For Top or Center Hung, each	$0.55	.55	1.00	1.15
	AD	AD	JBF	JCJ
Class 4 Bottom Hung, each	$0.65	.65	....	1.35
	AG	AG	....	JCE

Bronzed Iron Top or Center Hung.

Nos.	316	325	326	336
Diameter, in.	¼	⅜	⅜	½
Rod, ft.	6	5	6	6
W't, lbs.	2½	3½	4	6¾
Each	$1.25	1.50	1.70	3.20
	JCC	JDJ	JDE	JHE

Old Copper Finish, for Top or Center Hung.

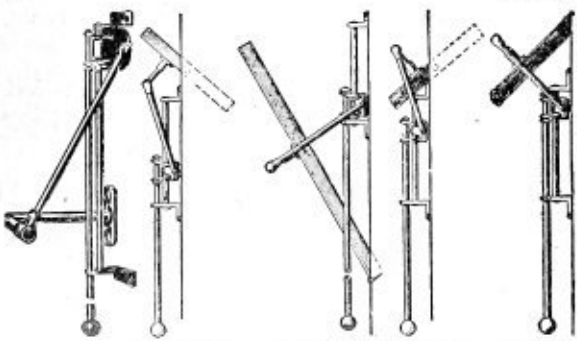
Nos.	OC203	OC204	OC214	OC215	OC216	OC225	OC226
Diameter, in.	5/16	¼	5/16	⅜	⅜	⅜	⅜
Rod, ft.	3	4	4	5	6	5	6
W't, lbs.	⅞	1	2	2¼	2½	3½	3¾
Each	$0.95	1.05	1.30	1.50	1.70	1.80	2.05
	BA	JBB	JCF	JDA	JDE	JEJ	JEE

Dull Brass Finish, for Top or Center Hung.

Nos.	DB203	DB204	DB214	DB215	DB216	DB225	DB226
Diameter, in.	5/16	¼	5/16	⅜	⅜	⅜	⅜
Rod, ft.	3	4	4	5	6	5	6
W't, lbs.	⅞	1	2	2¼	2½	3½	3¾
Each	$0.95	1.05	1.30	1.50	1.70	1.80	2.05
	BA	JBB	JCF	JDA	JDE	JEJ	JEE

For additional lengths add for each foot or fraction of a foot, 30 cents list per foot for ¼ in., 45 cents for 5/16 in., 60 cents list for ⅜ in., and 90 cents list for ½ in.

SIMPLEX.



Unpolished Old Copper, ¼ Inch Rod.

No. OC10—Feet	3	4
W't, lbs.	⅞	1⅛
Each	$1.10	1.20
	JCH	JDB

Unpolished Dull Brass, ¼ Inch Rod.

No. DB10—Feet	3	4
W't, lbs.	⅞	1⅛
Each	$1.10	1.20
	JCH	JDB

The Simplex Transom Lifter is an entirely new departure in lifters and its superiority is seen at once. It has greater strength than any other lifter as the lock is up beside the sash. One lift operates all styles of transoms and as it locks automatically and securely, there is no need of transom chains. The lifter is up out of the way and a straight push or pull with one hand is all that is needed to open it. This lifter is easier to put up than any other, requires half the number of screws and half the time and does not mar th trim blow the transom. It is approved by the best architects and is so simple in operation that a child can manage it.

ONE-HALF DOZEN IN A BOX.

CATCHES.

FRENCH WINDOW.



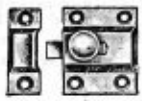
No. 115½—1¼ in., walnut bronzed iron, porcelain knob, w't per doz. 3¼ lbs., per dozen .....EJ $0.75

TWO DOZEN IN A BOX, WITH SCREWS.



No. 215½—1¼ in., walnut bronzed iron, bronze metal knob, w't per doz. 3¼ lbs.....per dozen EJ $0.75

TWO DOZEN IN A BOX, WITH SCREWS.



No. OC172—1¼ in., old copper finish iron.....per dozen ABJ $3.50

No. DB172—1¼ in., dull or lemon brass finish iron.....per dozen ABJ $3.50

No. OC72—1¼ in., old copper finish bronze metal...per dozen BDJ $5.25

No. DB72—1¼ in., dull brass metal, per dozen .....BDJ $5.00

ONE DOZEN IN A BOX, WITH SCREWS.

AVERAGE W'T 1½ LBS. PER DOZEN.

CUPBOARD.



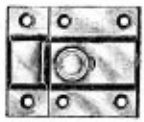
No. 427—2¼ in. walnut bronzed iron, porcelain knob, w't per doz. 2 lbs., per dozen .....EJ $0.80

TWO DOZEN IN A BOX, WITH SCREWS.



No. 3031—2¼ in. walnut bronzed iron, cast bronze metal knob, w't per doz. 2½ lbs.....per dozen EJ $0.75

TWO DOZEN IN A BOX, WITH SCREWS.



Iron.

No. OC173—1½ in., old copper finish, bronze plated iron, per dozen .....ACJ $4.25

No. DB173—1½ in., dull or lemon brass finish iron.....per dozen ACJ $4.25

No. N173—1½ in., nickel plated iron, per dozen .....AIJ $5.00

No. F173—1½ in., Bower-Barff finish iron.....per dozen AIJ $5.00

Steel.

No. OC173½—1½ in., old copper plated steel.....per dozen JFE $2.50

No. DB173½—1½ in., dull brass steel, per dozen .....JFE $2.50

ONE DOZEN IN A BOX, WITH SCREWS.

AVERAGE W'T 3 LBS. PER DOZEN.

CUPBOARD.



No. OC73—1½ in., polished old copper finish, cast bronze metal, per dozen .....BIJ $5.75

No. DB73—1½ in., dull brass metal, per dozen .....BIJ $5.40

No. N73—1½ in., nickel plated bronze, per dozen .....BIJ $6.00

ONE DOZEN IN A BOX, WITH SCREWS.

AVERAGE W'T 3 LBS. PER DOZEN.

TRANSOM.



No. OC172½—1½ in., old copper plated iron.....per dozen BDJ $4.20

No. DB172½—1½ in., dull or lemon brass plated iron, per dozen .....BGJ $4.20

No. OC72½—1¼ in., polished old copper finish bronze metal, per dozen .....CFJ $5.50

No. DB72½—1¼ in., dull or lemon brass metal....per dozen CFJ $5.50

ONE DOZEN IN A BOX WITH SCREWS.

AVERAGE W'T 3 [illegible] PER DOZEN.

The size given on all the above window and transom catches is the width of case exclusive of strike.

CUPBOARD TURNS, SHUTTER BARS AND DOOR BOLTS.

CUPBOARD TURNS.



Round Knob.

No. 71—1½ in., walnut bronzed iron, cast bronze metal knob, w't per doz. 3½ lbs. .....per dozen **ABJ** $2.25



T Handle.

No. 322—1¾ in., walnut bronzed iron, with cast bronze metal "T" handle, w't per doz. 4 lbs., per dozen .....**ABJ** $2.25



No. 303—2 in., walnut bronzed iron, "T" handle, w't per doz. 4 lbs., per dozen .....**JHE** $1.50

ONE DOZEN IN A BOX, WITH SCREWS.

The size given is the width exclusive of strike.



STEEL.

Oval Knob, Size 1 Inch.

No. OC175½—Old copper plated steel, per dozen .....**JIE** $2.00

No. DB175½—Dull brass plated steel, per dozen .....**JIE** $2.00

No. N175½—Nickel plated steel, per dozen .....**AAJ** $3.00

ONE DOZEN IN A BOX, WITH SCREWS.

CUPBOARD TURNS.



OVAL KNOB, SIZE 1½ INCH.

No. P174—Polished bronze plated iron, per dozen .....**AEE** $2.75

No. OC174—Polished old copper finish bronze plated iron, per dozen .....**AEE** $2.75

No. DB174—Dull brass or lemon brass finished iron ..per dozen **AEE** $2.75

No. N174—Nickel plated iron, per dozen .....**BAE** $4.00

No. F174—Bower-Barff iron, per dozen .....**CBE** $6.00

No. P74—Polished cast bronze metal, per dozen .....**DBJ** $8.00

No. OC74—Polished old copper finish cast bronze metal, per dozen .....**DEJ** $9.00

No. DB74—Dull brass metal, per dozen .....**DEJ** $8.50

No. N74—Nickel plated bronze, per dozen .....**JDHJ** $10.00

STEEL, OVAL KNOB, SIZE 1⅝ INCH.

No. OC174½—Old copper plated steel, per dozen .....**JIE** $2.25

No. DB174½—Dull brass finish steel, per dozen .....**JIE** $2.25

ONE DOZEN IN A BOX, WITH SCREWS.

AVERAGE WEIGHT 4 LBS. PER DOZEN.

SHUTTER BARS.

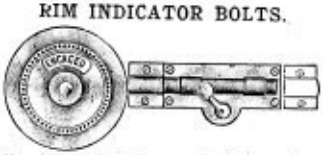


No. 913—2 in., cast brass, polished, w't per doz. 3 lbs., per dozen **AAJ** $1.50

TWO DOZEN IN A BOX, WITH SCREWS.

The size given is the width from outside of plates.

RIM INDICATOR BOLTS.



No. 566—Polished wrought brass, plate 2¼ in. diameter, bolt 3 in. long, w't per doz. 2½ lbs., per doz. **JFEJ** $11.00

ONE DOZEN IN A BOX WITH SCREWS.

MORTISE DOOR BOLTS.



Ives Patent, Iron Bolt, ½ Inch Throw, with Strike.

No. 8—2½ in., walnut bronzed knob and plate, w't per doz. 3¼ lbs., per dozen .....**AAE** $2.00

No. 14—2½ in., bronze metal knob and plate, w't per doz. 3¼ lbs., per dozen .....**AFE** $2.95

ONE DOZEN IN A BOX, WITH SCREWS.



Ives Patent, Iron Bolt, ½ Inch Throw, with Strike, Length 2½ Inches.

No. 15—Polished bronze metal knob and plate .....per dozen **BJJ** $3.50

No. 16—Old copper finish bronze metal knob and plate, per dozen **BAE** $3.80

ONE DOZEN IN A BOX, WITH SCREWS.

AVERAGE W'T 3¼ LBS. PER DOZEN.



Gem, Cog Movement, ¾ Inch Throw, with Flat Strike, Length 2½ Inches.

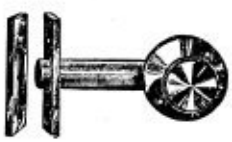
No. 03½—Polished old copper finish bolt, knob and rose, per dozen .....**BCJ** $5.00

No. 03—Polished brass plated bolt, knob and rose.....per dozen **BCJ** $5.00

No. 07—Dull or lemon brass finish bolt, knob and rose, per dozen **BCJ** $5.00

ONE DOZEN IN A BOX.

W'T 3½ LBS. PER DOZEN.



Gem, Cog Movement, ¾ Inch Throw, with Flat Strike, Length 2½ Inches.

No. 08—Polished nickel plated knob and rose, iron face plate, bronze plated bolt .....per dozen **BIJ** $6.50

No. 3—Polished bronze metal knob, rose and face plate, bronze plated bolt, per dozen .....**CFJ** $9.00

No. 3½—Polished old copper finish, bronze metal knob, rose and face plate, bronze plated bolt, per dozen .....**CFJ** $9.00

ONE DOZEN IN A BOX.

AVERAGE W'T 4¼ LBS. PER DOZEN.

DOOR BOLTS.

BARREL.



Cast Iron, Japanned Plate, Polished Bolt, Brass Knob, with Strike.

No. 500— Sizes, in...	3	4	5	6
W't, doz., lbs.	2	5½	6½	9
Per dozen ...	$0.70	.85	1.15	1.35
	CE	DE	JFJ	JGJ

ONE DOZEN IN A BOX.



Light Wrought Steel, Japanned Plate, Polished Bolt, Brass Knob, with Strike.

No. 525—1078— Sizes, in.	2	2½	3
W't per doz., lbs.	1	1½	2¼
Per dozen	$1.50	1.50	1.90
	JDJ	JDJ	JEJ

No. 525—1078— Sizes, in.	4	5	6
W't per doz., lbs.	3	5	5½
Per dozen	$2.15	2.50	2.90
	JFJ	JFE	JHJ

The 2 in. is the same as the other sizes with square instead of round end plate and strike.

ONE DOZEN IN A BOX.



Wrought Brass.

No. 530—1077— Sizes, in...	2½	3	4	5
W't, doz., lbs.	1½	2¼	3	5
Per dozen ...	$3.60	4.20	5.50	7.40
	AEE	AHJ	BDJ	CAE

ONE DOZEN IN A BOX.



Heavy Wrought Steel, Japanned Plate, Polished Bolt, Brass Knob, with Strike.

No. 550—1084— Sizes, in...	4	5	6	8
W't, doz., lbs.	4½	6	7½	16
Per dozen ...	$2.45	3.00	3.40	6.50
	JFE	JHJ	JIJ	AGE

ONE DOZEN IN A BOX.



Wrought Steel, Light Copper Bronzed Plate, Polished Bolt, Brass Knob, with Strike.

No. 575—406— Sizes, in.	2½	3	4
W't per doz., lbs.	1½	2¼	3
Per dozen	$1.25	1.50	1.75
	JFE	JHJ	JIE

No. 575—405—Sizes, in.	5	6
W't per doz., lbs.	5	6
Per dozen	$2.00	2.25
	AAJ	ABJ

Old Copper Plated Steel.

No. OC575—406D2— Size, in.	3	4	5
W't per doz., lbs.	2¼	3	5
Per dozen	$1.75	2.00	2.25
	AAE	ACJ	AEJ

ONE DOZEN IN A BOX WITH SCREWS.

SPRING.



Wrought Steel, Japanned Plate, Polished Iron Square Bolt, with Strike.

Nos.	0	1	2	3
Length, in...	2	2½	3	3½
W't, doz. lbs.	½	¾	1	1¼
Per dozen ..	$1.10	1.20	1.35	1.60
	JDE	JEJ	JEE	JFE

Nos.	4	5	6	7
Length, in...	4	4½	5	6
W't, doz., lbs.	1½	2	2¼	3½
Per dozen ..	$1.80	2.10	2.25	2.70
	JGJ	JHE	JIJ	AAJ

ONE DOZEN IN A BOX.



All Brass, Full Polished, with Strike.

Nos.	38	39
Length, in.	2	2½
W't per doz., lbs.	¼	¾
Per dozen	$2.25	2.70
	JIJ	AAJ

ONE DOZEN IN A BOX.

CELLAR WINDOW BOLTS.



Steel, Japanned Plates, Polished Bolts.

No. 1076— Sizes, in...	2	2½	3	3½
W't, doz., lbs.	1½	1¾	2½	2¾
Per dozen ...	$0.80	.85	1.10	1.90
	DE	DH	JFJ	JHE

ONE DOZEN IN A BOX.

SQUARE.



Wrought Steel, Japanned Plate, Polished Bolt, Steel Spring, with Strike.

No. 700—1088—Sizes, in.	4	5
W't per doz., lbs.	4	5
Per dozen	$2.50	2.65
	JHE	JIJ

No. 700—1088—Sizes, in.	6	8
W't per doz., lbs.	5¼	11
Per dozen	$2.85	4.00
	JIE	ACE

Extra Heavy.

No. 725—1092— Sizes, in...	6	7	8	10
W't per doz., lbs.	8½	14	15	27
Per dozen ..	$3.60	4.75	5.25	8.00
	ABE	AFJ	AHJ	BGE

ONE-HALF DOZEN IN A BOX.



Extra Heavy, Wrought Steel, Japanned Plate, Polished Bolt, Steel Spring, with Floor Plate.

No. 750—1090—Sizes, in.	6	8
W't per doz., lbs.	5	11
Per dozen	$2.85	4.00
	JIE	ACE

Extra Heavy.

No. 775—1094— Sizes, in.	6	7	8
W't per doz., lbs.	8½	14	16
Per dozen	$3.60	4.75	5.25
	ABE	AFJ	AHJ

No. 775—1094—Sizes, in.	10	12
W't per doz., lbs.	27	33
Per dozen	$8.00	9.75
	BGE	CBC

ONE-HALF DOZEN IN A BOX.

AUTOMATIC RIFLE BOLTS.



No. 600—4 in. old copper finish steel, brass knob, solid steel bolt, heavy plate, piano wire spring, w't per doz. 4½ lbs. .....per dozen **ACJ** $2.50

ONE DOZEN IN A BOX, WITH SCREWS AND FLUSH RIM STRIKES.

Use on right or left hand doors and doors opening in or out.

CHAIN BOLTS, FOOT BOLTS, DOOR GUARDS, ETC.

CHAIN BOLTS.



Japanned Iron, Light, with Beveled Strike.

No. 1—Length, in...	3	4	5
W't per doz., lbs. ..	2¾	3½	4
Per dozen $0.75	.90	1.10	
	FE	HJ	JIJ



Japanned Iron, with Beveled Strike.

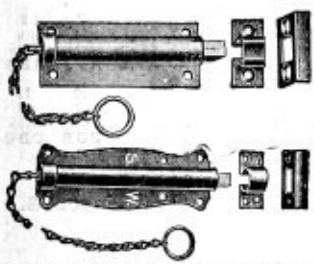
Nos.	106	108	110
Length, in.	6	8	10
W't per doz., lbs. ..	12	16	34
Per dozen $2.40	3.00	4.25	
	ADE	BJE	BGE



Walnut Bronzed, Iron with Strike.

Nos.	19	21	23
Length, in.	4	6	8
W't per doz., lbs. ..	6	12	15
Per dozen $2.50	3.25	3.75	
	ADE	AIJ	BCJ

ONE-HALF DOZEN IN A BOX, WITH SCREWS.



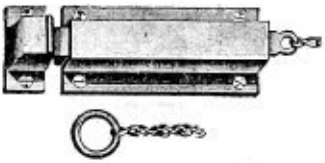
Japanned Steel, Chain 24 inch, Diameter of Bolt ¾ inch.

No. 1055—In. ...	3	6	10
Width, in.	1⅞	2	2⅞
W't per doz., lbs.	4	13	33
Per doz. $5.00	7.30	20.00	
	CCJ	DHJ	ACHJ

All above packed with 2 staples as shown in cut—reversible bevel. 10 in. used for garages and warehouses.

10 IN., ONE-FOURTH DOZEN, BALANCE ONE-HALF DOZEN IN A BOX, WITH SCREWS.

CHAIN BOLTS.



Polished Old Copper Finish Iron, with Beveled Strike.

Nos. OC100½	OC101	OC102
Length, in. .. 4	6	8
W't, doz., lbs. 8	14	20
Per dozen $9.00	10.00	12.00
CCJ	JCIE	JDEJ

Dull or Lemon Brass Plated Iron.

Nos. DB100½	DB101	DB102
Length, in. .. 4	6	8
W't, doz., lbs. 8	14	20
Per dozen $9.00	10.00	12.00
CCJ	JCIE	JDEJ

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

CHAIN DOOR FASTENERS.



No. 145—6 in., walnut bronzed iron, w't per doz. 8 lbs...per dozen **BCJ** $3.00



No. 4200—7 in., steel amber bronzed, w't per doz. 5 lbs., per dozen .....**BDJ** $3.60
No. OC4200—Old copper plated, otherwise same as No. 4200, per dozen .....**CCJ** $5.50
No. DB4200—Dull brass plated, otherwise same as No. 4200, per dozen .....**CCJ** $5.50



No. OC184—4 in., old copper plated steel, w't per doz. 5 lbs., per dozen .....**BIJ** $6.00
No. DB184—4 in., dull brass finish, steel, w't per doz. 5 lbs., per doz. **BIJ** $6.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

FOOT BOLTS.



Walnut, Bronzed Iron.

Nos.	125	126
Length, in.	6	8
W't per doz., lbs.	11	12
Per dozen $3.00	3.50	
	BAE	BGE



Japanned Steel.

No. 1056— Length, in...	3	6	10
Width, in.....	1¼	2	2⅞
W't, doz., lbs.	4	10	30
Per dozen $5.40	7.00	21.00	
	CBE	DCJ	ABJJ

3 AND 6 IN. BOLTS, ONE-HALF DOZEN IN A BOX; 10 IN., ONE-QUARTER DOZEN. *10 in. used for garages and warehouses.*



Polished Old Copper Finish, Bronze Plated Iron.

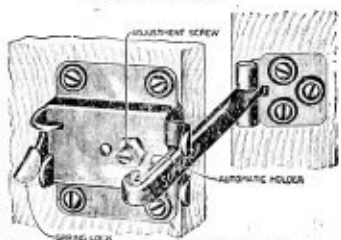
Nos. OC102½	OC103	OC104
Length, in. .. 4	6	8
W't, doz., lbs. 8	11	14
Per dozen $10.00	11.00	12.00
JCDJ	JCIE	JDHJ

Dull or Lemon Brass Plated Iron.

Nos. DB102½	DB103	DB104
Length, in. .. 4	6	8
W't, doz., lbs. 8	11	14
Per dozen $10.00	11.00	12.00
JCDJ	JCIE	JDHJ

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

DOOR GUARDS.



No. 39—Old copper plated steel, 7 in. overall, w't per doz. 5¼ lbs., per dozen .....**EDJ** $8.00
No. 529—Dull brass plated steel, 7 in. overall, w't per doz. 5¼ lbs., per dozen .....**EDJ** $8.00

The Superior is the only guard which will hold door open against draft, for purpose of ventilation. Adjusting nut and screw for different thicknesses of door trimmings and to serve as anti-rattler. Spring lock for use to dead lock door. Easily applied and operated.

THE SIZE GIVEN ON CHAIN BOLTS, FOOT BOLTS AND DOOR FASTENERS IS THE LENGTH OF THE PLATE EXCLUSIVE OF STRIKE.

EXTENSION, EXIT AND FLUSH BOLTS.



No. 860.



No. 1.



No. 2.



No. 3.

No. OC860—Cremorne Bolt, cast bronze, old copper finish, size of plate 6½x 1¼ in., with 2½ in. one-piece knob.....each JEDJ $10.00

No. DB860—Dull brass finish, otherwise same as No. OC860, each .....JEDJ 10.00

ONE IN A BOX, WITH SCREWS.

One-half turn of knob releases the bolts at top and bottom. Securely fastens the doors or windows at both top and bottom, opening either in or out.

WHEN ORDERING, specify exact height of doors or windows and distance from the bottom thereof to the center of the knob and which strike plates are wanted.

No. OC372—Cremorne Bolts, for doors or windows opening in or out, old copper finish steel rods and guides, old copper plated steel plates 1⅛ in. wide, bolts ⅝ in. half round, 2½ in. bronze oval knob, two guides, No. 1 and No. 2 furnished with two No. 2 and one No. 1 staples, can furnish No. 3 and No. 4 staples when so ordered, w't each 3 lbs.....each BGJ $4.50

No. DB372—Dull Brass Plated Steel, otherwise same as No. OC372, each .....BGJ $4.50

We carry 3, 3½, 4 and 4½ ft. rods. Specify rods required when ordering.
ONE SET IN A BOX.



No. 372.

FLUSH BOLT.



Polished Old Copper Finish Steel, ¾ Inch Wide, Sunk Thumb Piece, with Strike.

Nos.	OC109	OC110	OC111
Length, in.	6	9	12
W't, doz., lbs.	5¼	7	8½
Per dozen	$9.50	10.00	11.00
	DAJ	JDGJ	JECJ

Dull or Lemon Brass Finish.

Nos.	DB109	DB110	DB111
Length, in.	6	9	12
W't, doz., lbs.	6	7	8½
Per dozen	$9.50	10.00	11.00
	DAJ	JDGJ	JECJ

Plain Steel Finish.

No. 1030—Lgth., in.	6	9	12
W't per doz., lbs.	5¼	7	8½
Per dozen	$3.50	3.80	4.60
	AHJ	BJE	BCJ



Old Copper Finish, 1 Inch Plate, ¼ Inch Round Bolt, with Knob and Strike.

No. OC397—Length, in.	4	6
W't per doz., lbs.	4	6
Per dozen	$3.60	4.00
	BAE	BDJ

Dull Brass Finish.

No. DB397—Length, in.	4	6
W't per doz., lbs.	4	6
Per dozen	$3.60	4.00
	BAE	BDJ

ONE DOZEN IN A BOX WITH SCREWS.

FLUSH BOLT.



Polished Cast Brass, without Strike.

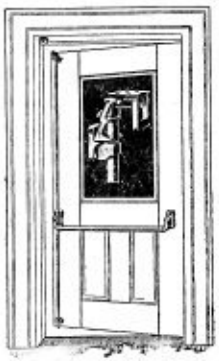
Nos.	11	12	14	24
Sizes, in.	¾x2½	¾x3	⅞x4	½x4
W't, doz., lbs.	¼	⅓	⅝	⅞
Per dozen	$1.05	1.15	1.50	1.80
	JIJ	AJJ	ABJ	ABE

Polished Cast Brass, with Strike.

Nos.	34	36	46	48
Sizes, in.	⅝x4	⅝x6	¾x6	¾x8
W't, doz., lbs.	1¼	1½	2¼	3½
Per dozen	$2.55	3.75	4.30	5.70
	BEJ	CBE	CCE	CEJ

ONE DOZEN IN A BOX.

PANIC EXIT BOLT.

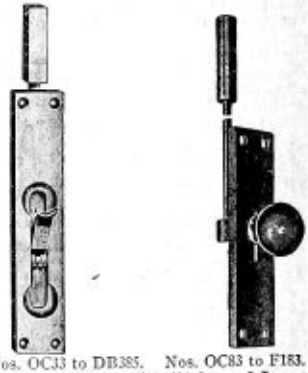


No. F6087—Columbia Panic Exit Bolts, dead black enamel finish steel, gravity locking, reversible rods ⅝ in., bar ⅜ in. seamless tubing, other parts malleable iron, width of base 2½ in., height of bar from floor 38 in., each .....JFJJ $12.00

No. P087—Brass polished, otherwise same as No. F6087, each ACBJ $22.00

Stock will fit doors 8 ft. 6 in. high and 3 ft. wide; can be fitted to smaller doors by cutting off upper rods and bar. No outside rim—cannot be used with outside knob or lock.

FLUSH EXTENSION BOLTS.



Nos. OC33 to DB385. Nos. OC83 to F183.

Cast Bronze Plate 6¼x1¼ in. and Lever Complete with Strike and Guide Plate, Rod ¾ in., Bolt Has ¾ in. Throw, Length of Rod 8, 12, 18, 24 or 30 in.

No. OC33—Old copper, doz. ACBJ $24.00
No. DB33—Dull brass, doz. ACBJ 24.00
AVERAGE W'T PER DOZ. 9 LBS.

Steel Bronze Plate 6¼x1¼ in. and Bronze Lever, Complete with Strike and Guide Plate, Rod ½ in. Bolt Has ¾ in. Throw, Length of Rod 12, 18 or 24 in.

No. OC385—Old copper, doz. AAJJ $20.00
No. DB385—Dull brass, doz. AAJJ 20.00
AVERAGE W'T PER DOZ. 11½ LBS.

Cast Bronze Plate 5⅛x1⅜ in. and Knob, Complete with Strike and Guide Plate, Rod ½ in., Bolt Has ¾ in. Throw, Length of Rod 8, 12, 18, 24 and 36 in.

No. OC83—Old copper, doz. ABJJ $28.80
No. DB83—Dull brass, doz. ABJJ 28.80

Steel Plate 5⅛x1⅜ in. and Knob, Complete with Strike and Guide Plate, Rod 1½ in., Bolt Has ¾ in. Throw, Length of Rod 8, 12, 18, 24 and 36 in.

No. OC183—Old copper, doz. JIJJ $21.00
No. DB183—Dull brass, doz. JIJJ 21.00
No. F183—Bower-Barff, doz. AAJE 24.00
AVERAGE W'T PER DOZ. 9 LBS.
ONE IN A BOX, WITH SCREWS.

EXTRA RODS.

8 to 36 inches—All numbers, per dozen .....BAE $3.60

DOOR BUTTONS, FLUSH RINGS, CHEST HANDLES, ETC.

DOOR BUTTONS.



Japanned Iron, Raised.

No. 35—				
Length, in.	1⅛	1¾	2	2½
W't, gro., lbs.	3⅛	3¾	4½	5½
Per gross	$0.60	.70	.80	1.90
	CJ	CE	DE	JIJ

ONE GROSS IN A BOX.



Steel, Japanned.

No. 4—				
Length, in.	1½	1¾	2	2½
W't, gro., lbs.	3¼	3⅞	4½	5½
Per gross	$0.70	.80	.95	1.60
	CE	CH	DH	JIJ

More smoothly finished than cast iron and more durable; cannot be broken when being put on.

Steel, Galvanized.

No. 40—Length, in.	1¾	2	2½
W't per gro., lbs.	3½	4	7½
Per dozen	$1.65	2.00	2.75
	JIJ	AAJ	ADE

With one inch galvanized screws.

2½ IN., ONE-HALF GROSS; BALANCE, ONE GROSS IN A BOX.

ELBOW CATCHES.



No. 124—Brass plated steel, with spring, w't per doz. ½ lb., per doz. CJ $0.50

No. 224—Brass, with spring, w't per doz. 1⅛ lbs. .....per dozen JIJ $1.15

THREE DOZEN IN A BOX.

LIFTING HANDLES.



No. 2—3¼ in., japanned iron, riveted, w't per doz. pairs 4½ lbs., per dozen pairs .....JGJ $1.25

The length is measured from center of screw hole.

ONE DOZEN PAIRS IN A BOX.

FLUSH RINGS.



Cast Brass, Polished and Lacquered.

No. 5—				
Width, in..	1⅛	1¼	1⅜	1½
W't, doz., lb.	½	⅝	¾	1
Per dozen	$1.50	1.75	1.90	2.10
	AAJ	ABJ	ACJ	ADE

TWO DOZEN IN A BOX.

TRAP DOOR RINGS.



Wrought Iron, Japanned, Flush.

Nos.	1	2
Size, in.	2¼x3½	3x4
W't per doz., lbs.	5	7½
Per dozen	$1.00	1.25
	JFJ	JGJ

ONE DOZEN IN A BOX.



Wrought Steel, Japanned.

No. 1215—Sizes, in..	1	2	3
Sizes	3x3½	3 7/16x3 11/16	3 11/16x4¼
Wire, in.	7/64	9/64	7/64
W't per doz., lbs.	6	7	9
Per dozen	$2.40	3.00	4.00
	JHE	AJJ	ADJ

CHEST HANDLES.



No. 1216-J—Japanned handle, 3/16 in. wire, 4½ in. wide, plate 4¾x2⅞ in., w't per doz. prs. 16 lbs., per dozen .....BGJ $4.50

No. 1216-D—Dull copper finish, w't per doz. prs. 16 lbs., otherwise same as No. 1216-J .....per dozen CJJ $5.00

WITH SCREWS.

CHEST HANDLES.



Japanned Iron.

Nos.	20	23	24	25
Size, in.	3	3½	4	5
W't per doz. prs., lbs.	8	10	14	24
Per doz. prs.	$1.10	1.50	2.00	2.50
	JFE	JHE	ABJ	AFJ

Size given is the extreme width.

ONE-HALF DOZEN PAIRS IN A BOX.



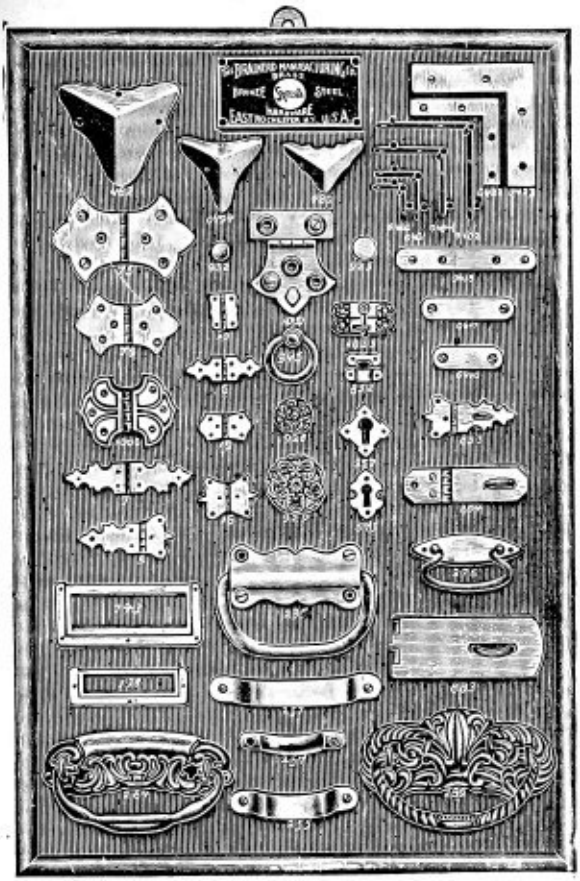
Steel, Japanned.

No. 1205—Width handle, in.	3½	4
Wire, in.	11-32	3/8
W't per doz. prs., lbs.	11	13½
Per dozen pairs	$3.60	4.45
	ACJ	AHJ

ONE-HALF DOZEN PAIRS IN A BOX, WITH SCREWS.

Articles branded CVB are made with an accurate knowledge of their various requirements, of the best material by experienced workmen.

You will make no mistake if you select CVB for your leading brand.



THIS ASSORTMENT CONTAINS 43 DIFFERENT ARTICLES, PACKED ONE DOZEN IN A BOX.

BOX TRIMMING ASSORTMENT.

We carry in stock all individual items in this assortment.

No. 3—Assortment consists of—

		List		Sell.
1 doz. pr.	No. 6 Brass Hinges	doz. $0.25	pair D	$0.05
1 doz. pr.	No. 10 Brass Hinges	doz. .40	pair D	.05
1 doz. pr.	No. 1051OC Brass Hinges	doz. 1.75	pair A F	.20
1 doz. pr.	No. 7 Polished Brass Hinges	doz. .65	pair F	.08
1 doz. pr.	No. 9 Polished Brass Hinges	doz. .80	pair J H	.10
1 doz. pr.	No. 16 Polished Brass Hinges	doz. .75	pair F	.08
1 doz. pr.	No. 19 Polished Brass Hinges	doz. .50	pair D	.05
1 doz. pr.	No. 75 Polished Brass Hinges	doz. 1.20	pair A B	.15
1 doz. pr.	No. 76 Polished Brass Hinges	doz. .85	pair J H	.10
1 doz. pr.	No. 1036 Old Copper, steel	doz. 1.25	pair A B	.15
1 doz.	No. 557 Pol. Brass Escutcheons	gro. 3.00	each D	.05
1 doz.	No. 545 Pol. Brass Escutcheons	gro. 3.00	each D	.05
1 doz.	No. 804 Polished Brass Hasps	doz. .85	each J H	.10
1 doz.	No. 853 Polished Brass Hasps	doz. 1.00	each J H	.10
1 doz.	No. 852 Brass Catches	gro. 2.50	each D	.05
1 doz.	No. 1835 Brass Catches	gro. 7.50	each F	.08
1 doz.	No. 490 Polished Brass Corners	doz. .40	each D	.05
1 doz.	No. 432 Polished Brass Corners	doz. 1.00	each J H	.10
1 doz.	No. 0494 Old Copper Corners, steel	doz. .50	each D	.05
1 doz.	No. 0400 B. P. Brackets, steel	gro. 2.50	each B	.03
1 doz.	No. 0401 B. P. Brackets, steel	gro. 3.00	each C	.04
1 doz.	No. 0413½ B. P. Brackets, steel	gro. 3.50	each D	.05
1 doz.	No. 0412 B. P. Brackets, steel	gro. 4.00	each E	.06
1 doz.	No. 0422 B. P. Corner Plates, steel	gro. 4.00	each E	.06
1 doz.	No. 0423 B. P. Corner Plates, steel	gro. 5.00	each E	.06
1 doz.	No. 0416 B. P. Straps, steel	gro. 2.00	each B	.03
1 doz.	No. 0417 B. P. Straps, steel	gro. 2.50	each C	.04
1 doz.	No. 0418 B. P. Straps, steel	gro. 3.00	each D	.05
1 doz.	No. 254 Polished Brass Pulls	gro. 4.50	each D	.05
1 doz.	No. 255 Polished Brass Pulls	gro. 5.60	each F	.08
1 doz.	No. 257 Polished Brass Pulls	gro. 7.25	each J H	.10
1 doz.	No. 932 Polished Brass Knobs	gro. 6.00	each F	.08
1 doz.	No. 925 Polished Brass Knobs	gro. 9.00	each J H	.10
1 doz.	No. 928 Brass Knobs	doz. .60	each F	.08
1 doz.	No. 929 Brass Knobs	doz. 1.00	each A J	.12
1 doz.	No. 276 Polished Brass Handles	doz. 1.25	each A B	.15
1 doz.	No. 235 Polished Brass Handles	doz. 2.45	each B J	.25
1 doz.	No. 945 Pol. Brass Ring Pulls	gro. 9.00	each J H	.10
1 doz.	No. 264 Polished Brass Handles	doz. .70	each J H	.10
1 doz.	No. 289 Brass Handles	doz. .75	each A J	.12
1 doz.	No. 738 Brass Card Holders	gro. 2.50	each C	.04
1 doz.	No. 743 Brass Card Holders	gro. 3.00	each D	.05
1 doz.	No. 883 Brass Plated Hasps, steel	doz. 1.10	each A B	.15
Sample Board—No charge				
				$43.56

BOX TRIMMINGS.

BOX HINGES.



No. 6. No. 7.

No. 6—1⅝x⅝ in., dipped brass, per dozen pairs.....AH $0.25

No. 7—2¼x¾ in., polished brass, per dozen pairs .....EJ .65



No. 8—3x1 in., polished brass, per dozen pairs .....JHJ $1.00



No. 22—⅝x1¾ in., polished brass, per dozen pairs .....DE $0.60



No. 74.



No. 19.

No. 74—1¼x1¼ in., polished brass, per dozen pairs .....JHJ $1.10

No. 19—⅝x1⅛ in., polished brass, per dozen pairs .....DE $0.60



No. 1—1¼x1⅛ in., polished brass, per dozen pairs .....DE $0.60

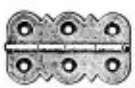


No. 13—⅞x2¾ in., dipped brass, per dozen pairs .....JHJ $1.00



No. 93—¾x1¾ in., polished brass, per dozen pairs .....JHJ $1.00

THREE DOZEN PAIRS IN A BOX.



No. 1170—1¾x1 in., polished brass hinges, w't per doz. prs. 3½ lb., per dozen pairs .....AJJ $1.25

No. 1171—2½x1¾ in., polished brass hinges, w't per doz. prs. 11½ lbs., per dozen pairs .....BDJ $3.00

ONE DOZEN PAIRS IN A BOX.

BOX HINGES.



No. 102—3x⅞ in., polished brass per dozen pairs.....AAE $1.60

THREE DOZEN PAIRS IN A BOX.



No. 99—3½x3½ in., polished brass, per dozen pairs .....AFJ $2.00



No. 77—1¾x2⅜ in., polished brass, per dozen pairs .....AHJ $2.50



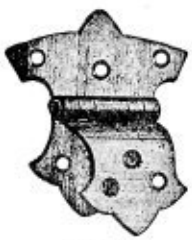
No. 155—1⅞x3 in., polished brass, per dozen pairs .....BBE $3.10



No. 78—1⅛x4 in., polished brass, per dozen pairs.....BEJ $3.45

ONE DOZEN PAIRS IN A BOX.

WATER CLOSET SEAT HINGES.



Double.

No. 133—1½x3 in., polished brass, per dozen pairs.....CFJ $5.00

ONE DOZEN PAIRS IN A BOX.

BOX HANDLES.



No. 1254—3 in., polished brass, w't per single doz. 2 lbs., per single dozen .....AHJ $2.50

TWO DOZEN IN A BOX.



Polished Brass.

No. 236—3 in., w't per single doz. 2½ lbs., per single dozen CBE $4.00

No. 237—3½ in., w't per single dozen 2¾ lbs., per single dozen CIJ $4.75

No. 238—4¼ in., w't per single doz. 3 lbs., per single dozen DDJ $5.25

TWO DOZEN IN A BOX.



Polished Brass.

No. 240—2½x2½ in., w't per single doz. 3 lbs., per single dozen DEJ $6.25

No. 241—3x3 in., w't per single doz. 5 lbs., per single dozen FJJ $7.50

No. 242—4x4 in., w't per single doz. 7 lbs., per single dozen JGBJ $10.00

ONE DOZEN IN A BOX.



No. 235—3 in., polished brass, w't per single doz. 2 lbs., per single dozen.....AGE $2.45

TWO DOZEN IN A BOX.

BOX TRIMMINGS.

CORNERS.



No. 479. No. 480.

No. 479—Distance from corner 1½x1½x⅝ in., polished brass, per doz. **DE** $0.60
THREE DOZEN IN A BOX.

No. 480—Distance from corner 1x1x⅞ in., polished brass, per doz. **CJ** $0.40
SIX DOZEN IN A BOX.



No. 483—Distance from corner 1½x1½x¾ in., polished brass, per doz. **JHE** $1.15
ONE DOZEN IN A BOX.



No. 481—Distance from corner 2¼x2¼x⅝ in. .....per dozen **DE** $0.60
ONE DOZEN IN A BOX.



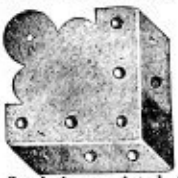
No. 496—Distance from corner ¾ in., polished brass ....per dozen **FJ** $0.80
THREE DOZEN IN A BOX.



No. 482. No. 486.

No. 482—Distance from corner 1⅜x1⅜x1¼ in., polished brass, per dozen .....**JHJ** $1.00

No. 486—Distance from corner 1½x1½x1 in., polished brass, per doz. **BDJ** $3.00
ONE DOZEN IN A BOX.



No. 1416—Steel, brass plated, 2½x2½x1 in., w't per doz. 1½ lbs., per dozen .....**AFJ** $2.00

No. 1413—Polished brass, 2½x2½x1 in., w't per doz. 1½ lbs., per dozen .....**AHJ** $2.50
ONE DOZEN IN A BOX.

CORNERS.



No. 1477—Steel, brass plated, 1⅜x1¾x1½ in., w't per doz. 2½ lb., per dozen .....**EE** $0.75



No. 1453—Steel, brass plated, 2x2x1½ in., w't per doz. 1 1-6 lbs., per dozen .....**JIJ** $1.25



No. 959—Box or trunk, 14 ga. steel japanned, 3x3x3 in., w't per doz. 4½ lbs. .....per dozen **JFJ** $1.00

No. A959—Brass plated, otherwise same as No. 959 .....per dozen **JGJ** $1.25

No. 476—Polished brass, distance from corner 1 in., w't per doz. 14 oz., per dozen .....**FE** $0.90
THREE DOZEN IN A BOX.

CORNER STRAPS.



No. 477—Polished brass, 2x2x1½ in., w't per doz. 1 lb. ..per dozen **JIJ** $1.25
ONE DOZEN IN A BOX.

No. 475—1⅜x1⅜x⅞ in., polished brass, per dozen .....**JHJ** $1.00
THREE DOZEN IN A BOX.

BOX CATCHES.



No. 865. No. 866.

No. 865—1⅜x¾ in., dipped brass, per dozen .....**CJ** $0.42

No. 866—1¾x¾ in., dipped brass, per dozen .....**CE** $0.50
THREE DOZEN IN A BOX.

SIDE STOP HINGES.



Steel, Brass Plated.

No. 1037—Length opened, ⅞x6 in., per dozen pairs .....**JGJ** $1.00

No. 1038—Length opened, ⅞x8 in., per dozen pairs .....**JIJ** $1.25

No. 1039—Length opened, ⅞x10 in., per dozen pairs .....**AAJ** $1.50
THREE DOZEN PAIRS IN A BOX.

SIDE STRAPS.

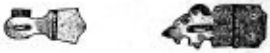


Dipped Brass.

No. 81—Length opened, 6 in., closed 3¼ in. ....per dozen pairs **AHJ** $2.25

No. 82—Length opened, 8 in., closed, 4 in.....per dozen pairs **AHJ** $2.50
THREE DOZEN PAIRS IN A BOX.

HINGE HASPS.



No. 801. No. 802.

No. 801—⅝x1½ in., polished brass, hasp and staple on plate, per dozen .....**DJ** $0.55

No. 802—⅝x1¾ in., polished brass, hasp and staple on plate, per dozen .....**DE** $0.60
THREE DOZEN IN A BOX.



No. 850. No. 803.

No. 850—⅝x1½ in., polished brass, with thumb knob fastening, per dozen .....**EE** $0.75

No. 803—1½x1 in., polished brass, hasp and staple on plate, per doz. **EE** $0.75
THREE DOZEN IN A BOX.



No. 811—Polished brass, 3x1¾ in., w't per doz. ¾ lb., per dozen **AAJ** $1.50
ONE DOZEN IN A BOX.

BOX TRIMMINGS.

HINGE HASPS.



No. 804—¾x2¾ in., polished brass, hasp and staple on plate, w't per doz. ¾ lb. .....per dozen **FE** $0.85



No. 840—¾x3 in., polished brass, hook, hasp and staple on plate, w't per doz. ½ lb. .....per dozen **AJJ** $1.25



No. 808—1¼x4 in., polished brass, hasp and staple on plate, w't per doz. 1¼ lbs. .....per dozen **BAE** $3.00



No. 875—1⅜x3½ in., polished brass, with heavy staple on plate, w't per doz. 2 lbs. .....per dozen **CDE** $4.35



No. 876—1⅜x5¼ in., polished brass, with heavy staple on plate, w't per doz 4 lbs. .....per dozen **EAE** $6.50



No. 891—3x1 in., polished cast brass hasps and staples with concealed screw holes, w't per doz. 1⅜ lbs., per dozen .....**CCE** $5.50



No. 1862-C—2¼ in., polished brass with concealed screw holes, w't per doz. 1 lb. .....per dozen **AEE** $2.65

ONE DOZEN IN A BOX.

HINGE HASPS.



No. 883—3 in., brass plated, w't per doz. 1¼ lbs. .....per dozen **JIE** $1.30
No. 884—4 in., brass plated, w't per doz. 1½ lbs. .....per dozen **ACJ** $1.80

ONE DOZEN IN A BOX.

ESCUTCHEONS.



No 552.



No. 557.

No. 552—¾ in., polished brass, per dozen .....**AD** $0.20
No. 557—1⅛ in., polished brass, per dozen .....**AH** .25



No. 551.



No. 545.

No. 551—1¼ in., polished brass, per dozen .....**BB** $0.30
No. 545—¾x1⅛ in., polished brass, per dozen .....**BD** .33



No. 572.



No. 573.

No. 572—¾x 2 in., polished brass, per dozen .....**BD** $0.33
No. 573—2x¾ in., polished brass, per dozen .....**BD** .33

THREE DOZEN IN A BOX.

MENDING PLATES.



Wrought Steel.

No. 995—Sizes, in...	2x⅝	2½x⅝	3x¾
Screw holes	2	2	4
W't per doz., lb....	⅛	½	1
Per dozen	$0.30	.35	.40
	AD	**AG**	**AI**
No. 995—Sizes, in...	4x⅞	5x1	6x1⅛
Screw holes	4	4	4
W't per doz., lbs...	1½	2	2¾
Per dozen	$0.50	.60	.70
	BD	**BI**	**CD**

THREE DOZEN IN A BOX.

CORNER BRACES.



Wrought Steel.

No. 997—Sizes, in...	1x½	1½x½	2x⅝
W't per doz., lbs...	¼	½	2
Per dozen	$0.20	.30	.40
	JH	**AC**	**AG**
No. 997—Sizes, in...	2½x⅝	3x¾	4x⅞
W't per doz., lbs...	3	4	5
Per dozen	$0.50	.60	1.00
	BB	**BE**	**JDB**
No. 997—Sizes, in.....	5x1		6x1⅛
W't per doz., lbs.....	6		8
Per dozen	$1.55		1.80
	JFE		**JGE**

3 IN. AND SMALLER, TWO DOZEN; LARGER, ONE DOZEN IN A BOX.



Dipped Brass.

Nos.	401	401½	402
Sizes, in.	1x½	1½x½	2x½
Per dozen	$0.36	.42	.46
	BI	**CB**	**CG**

Brass Plated Steel.

Nos.	0401	0401½	0402
Sizes, in.	1x½	1½x½	2x½
Per dozen	$0.25	.29	.33
	AF	**AH**	**BJ**

No. 1402—Brass, 2x⅝ in., w't per doz. 1⅛ lbs.....per dozen **JIJ** $1.25
No. 1404—Brass, 3x⅝ in., w't per doz. 2 lbs.....per dozen **ABE** $1.75

THREE DOZEN IN A BOX.

FLAT CORNERS.



Wrought Steel.

No. 999—Sizes, in...	2x⅝	2½x⅝	3x⅝
W't per doz., lbs...	¼	1	1¼
Per dozen	$0.24	.26	.28
	AC	**AD**	**AF**
No. 999—Sizes, in...	2½x½	3x½	3x⅝
W't per doz., lbs...	1¼	1½	2
Per dozen	$0.30	.32	.36
	AF	**AG**	**AI**
No. 999—Sizes, in...	3½x⅝	4x⅝	3½x¾
W't per doz., lbs...	2¼	2½	2¼
Per dozen	$0.40	.42	.44
	BB	**BC**	**BD**
No. 999—Sizes, in.....	4x¾		4x⅞
W't per doz., lbs.....	3		3
Per dozen	$0.48		.56
	BF		**CJ**
No. 999—Sizes, in.....	5x⅞		5x1
W't per doz., lbs.....	4		5
Per dozen	$0.64		.64
	CE		**CE**

TWO DOZEN IN A BOX.

Dipped Brass.

Nos.	421	422	423
Sizes, in.	1½x½	2x¾	2½x¾
Per dozen	$0.38	.54	.67
	CJ	**DB**	**EA**

Brass Plated Steel.

Nos.	0421	0422	0423
Sizes, in.	1½x½	2x¾	2½x¾
Per dozen	$0.25	.54	.67
	AH	**DJ**	**DH**

THREE DOZEN IN A BOX.

SHUTTER KNOBS AND CABINET DRAWER PULLS.

SHUTTER KNOBS.



No. OC70—⅞ in., polished old copper finish cast bronze metal, per dozen ..... **ADE** $2.75
No. DB70—⅞ in., dull brass metal, per dozen ..... **ADE** $2.75
No. OC170—⅞ in., old copper plated iron finish, cast iron, per dozen ..... **JEJ** $1.00
No. DB170—⅞ in., dull brass plated finish, cast iron, per doz. **JEJ** $1.00
TWO DOZEN IN A BOX. W'T ABOUT ¾ LB. PER DOZEN.

No. OC71—1⅛ in., polished old copper finish cast bronze metal, per dozen ..... **AHJ** $3.35
No. DB71—1⅛ in., dull brass finish, cast bronze metal, per doz. **AHJ** $3.35
No. OC171—1⅛ in., old copper plated iron finish, cast iron, per dozen ..... **JGJ** $1.10
No. DB171—1⅛ in., dull brass finish, cast ..... per dozen **JGJ** $1.10
TWO DOZEN IN A BOX. W'T ABOUT ⅞ LB. PER DOZEN.



Polished Wrought Brass with Screws.

No. 1566—			
Sizes, in.	½	⅝	¾
W't per doz., lbs. ..	½	⅝	¾
Per dozen $0.40	.50	.65	
	BF	**CJ**	**CF**

TWO DOZEN IN A BOX.



Porcelain, with Loose Plated Screw.

No. 70—Sizes, in....	⅝	¾	1
W't per gro,., lbs. ..	2	3	4½
Per gross $3.35	3.50	3.75	
	ABJ	**ABE**	**ACE**
No. 70—Sizes, in.	1¼	1½	
W't per gro., lbs.	8	14	
Per gross $5.50	6.75		
	BJJ	**BDE**	

ONE-QUARTER GROSS IN A BOX.

DRAWER KNOBS.



Wrought Brass, with Nut and Washer.

No. 1387—Sizes, in.	1	1¼
W't per doz., lbs.	¾	¾
Per dozen $0.75	.85	
	DE	**EJ**

THREE DOZEN IN A BOX.



With Nut and Washer.
No. 5252—1¼ in., cast brass knob, wrought brass base, per dozen ..... **JGJ** $1.25
No. 6252—1¼ in., polished old copper finish .....per dozen **JGE** $1.40
THREE DOZEN IN A BOX. W'T ABOUT 1½ LBS. IN A BOX.



Polished Wrought Brass, with Bolt and Nut.

No. 1559—Sizes, in..	1	1¼	1½
W't per doz., lbs. ...	1	1¼	1½
Per dozen $0.60	.70	.80	
	CE	**DJ**	**EJ**



No. 5677—1¼ in., cast brass knobs with machine screws, w't per doz. 1 lb., per dozen ..... **EJ**, $0.85



Hexagon Glass Knobs, Brass Ferrules with Machine Screw.

No. 5848—Sizes, in..	¾	1	1⅛
W't per doz., lbs. ..	¾	1½	1¾
Per dozen $2.50	2.70	3.00	
	ADE	**AFJ**	**AHJ**

Hexagon Glass Knobs, Nickel Plated Ferrules with Machine Screw.

No. 6848—Sizes, in..	¾	1	1⅛
W't per doz., lbs....	¾	1½	1¾
Per dozen $2.75	3.00	3.35	
	AFJ	**AHJ**	**BJJ**

TWO DOZEN IN A BOX.

COMMODE BUTTONS.



Ebonized Knob, Brass Capped.

Nos.	321	322	323
Knob, in.	1	1¼	1½
Per dozen $0.75	.80	.85	
	DE	**DE**	**DE**

THREE DOZEN IN A BOX.



Cast Brass.

No. 1385—Sizes, in.	1	1¼
Per dozen $1.00	1.15	
	JEE	**JFJ**

THREE DOZEN IN A BOX.



No. 1562—1¼ in. polished wrought brass .....per dozen **EE** $0.90
TWO DOZEN IN A BOX.

DESK KNOBS.



Ebony Knob, Brass Capped, with Nut and Washer.

Nos.	1	2	3
Inches	¾	1	1¼
W't per doz., lb. ...	¼	⅝	⅜
Per dozen $0.50	.55	.60	
	CJ	**CJ**	**CE**

THREE DOZEN IN A BOX.

DRAWER PULLS.



No. 2596. Nos. 069 to 070.

No. 2596—1⅛ in., brass back plate, 1½ in. brass plated ring, w't per doz. ⅝ lb. .....per dozen **CF** $0.50
No. 069—1½ in., brass, 1⅛ in. enameled wood knob, w't per doz. 1 lb., per dozen ..... **EJ** $0.85
No. N069—1½ in., nickel plated, enameled wood knob, w't per doz. 1 lb., per dozen ..... **EE** $0.95
No. 070—1½ in., brass, 1⅛ in. enameled wood knob, w't per doz. 1¼ lbs., per dozen ..... **EJ** $0.85
THREE DOZEN IN A BOX.



No. 1441. Nos. 884 and N884.

No. 1441—1¾ in., brass back plate, 1⅛ in. brass plated ring, w't per doz. ¾ lb. .....per dozen **DJ** $0.70
No. 884—1½ in., brass back plate, 1¼ in brass ring, w't per doz. ¾ lb., per dozen ..... **FE** $1.10
No. N884—1½ in., nickel plated back plate, 1¼ in. nickel plated ring, w't per doz. ¾ lb. ..per dozen **JGJ** $1.25
TWO DOZEN IN A BOX.



Nos. 10039 to 20039.

No. 10039—2¼ in., cast brass back plate, 1¾ in. cast brass ring, w't per doz. 1⅛ lbs. .....per dozen **AJJ** $1.90
No. 20039—2¼ in., polished old copper finish, cast brass back plate and 1¼ in. ring, w't per doz. 1⅛ lbs., per dozen ..... **AAJ** $2.10
ONE DOZEN IN A BOX.

CABINET DRAWER PULLS.



With Screw Studs and Nuts.

No. 1471—4 in., brass back plate, brass plated handle, w't per doz. 1 lb., per dozen .....DJ $0.60



With Screw Studs and Nuts.

No. 1597—4 in., brass back plate, brass plated handle, w't per doz. ⅞ lbs., per dozen .....CF $0.60

No. 2597—4 in., polished old copper finish, brass back plate and handle, w't per doz. ⅞ lb. ....per dozen DJ $0.65



With Screw Studs and Nuts.

No. 1565—4 in., brass plated steel plates and handle, w't per doz. 1 lb., per dozen .....DJ $0.65

No. 2565—4 in., polished old copper plates and handle, w't per doz. 1 lb., per dozen .....DE $0.70



With Screw Studs and Nuts.

No. 1472—4 in., brass back plate, brass plated handle, w't per doz. 1⅛ lbs., per dozen .....CH $0.70

TWO DOZEN IN A BOX.



With Screw Studs and Nuts.

No. 1568—5 in., brass back plate, and brass plated handle, w't per doz. 1 lb., per dozen .....EJ $0.75



With Screw Studs and Nuts.

No. 1453—5 in., brass back plate, brass plated handle, w't per doz. 1½ lbs., per dozen .....FJ $0.75



With Screw Studs and Nuts.

No. 1506—4 in., brass back plate, brass plated handle, w't per doz. 1⅛ lbs., per dozen .....CG $0.80



With Screw Studs and Nuts.

No. 1569—4 in., wrought brass plate, brass plated handle, w't per doz. 1 lb., per dozen .....DH $0.80



With Screw Studs and Nuts.

No. 1573—4 in., wrought brass plate, brass plated handle, w't per doz. 1 lb., per dozen .....DH $0.80

No. 2573—Old copper plated, otherwise same as No. 1573, w't per doz. 1 lb., per dozen .....EE $0.90

TWO DOZEN IN A BOX.

The sizes given on drawer pulls are the full length of back plates.



With Screw Studs and Nuts.

No. 5665—4¼ in., cast brass plate, brass plated handle, w't per doz. 1½ lbs., per dozen .....AJJ $1.50



With Screw Studs and Nuts.

No. 5664—4 in., cast brass plate, brass plated handle, w't per doz. 1½ lbs., per dozen .....JFE $1.10

No. 6664—Old copper plated, w't per doz. 1½ lbs., otherwise same as No. 5664, per dozen .....JGJ $1.25



With Screw Studs and Nuts.

No. 1548—Cast brass, 3 in. between studs, w't per doz. 1½ lbs., per dozen .....ADE $1.65

No. 2548—Old copper plated, w't per doz. 1½ lbs., otherwise same as No. 1548 .....per dozen AFJ $1.85

TWO DOZEN IN A BOX.

CABINET DRAWER PULLS AND ESCUTCHEONS.

DRAWER PULLS.



With Screw Studs and Nuts.

No. 10029—4 in., cast brass back plate and handle, w't per doz. 2¼ lbs, per dozen .....AFJ $3.00

No. 20029—4 in., polished old copper back plate and handle, w't per doz. 2¼ lbs.....per dozen AHJ $3.25

ONE DOZEN IN A BOX.

DRAWER PULLS.



With Screw Studs and Nuts.

No. 5784—4½ in., cast brass back plate and handle, w't per doz. 2¼ lbs., per dozen .....AEJ $2.25

No. 6784—4½ in. polished old copper back plate and handle, w't 2¼ lbs., per dozen .....AGJ $2.50

NO. 5784, SIX DOZEN; NO. 6784, ONE DOZEN IN A BOX.



With Screw Studs and Nuts.

No. 5423—4¼ in., cast brass plate and cast brass handle, w't per doz. 2¼ lbs.....per dozen ADJ $2.40

TWO DOZEN IN A BOX.

DRAWER ESCUTCHEONS.





No. 20. No. 1509.

No. 20—⅞ in., wrought brass, per dozen .....AB $0.15

No. 1509—2⅛ in., wrought brass, per dozen .....BB $0.25

NO. 20, TWELVE DOZEN; NO. 1509, SIX DOZEN IN A BOX.





No. 1474. No. 983.

No. 1474—2⅛ in., wrought brass, per dozen .....BB $0.25

No. 983—1 in., polished brass, per dozen .....BD .30

SIX DOZEN IN A BOX.



No. 10070—1¾ in., cast brass 1 in. wide, per dozen .....CJ $0.50

No. 20070—Old copper finish, otherwise same as No. 10070, per dozen .....CE $0.55



No. 1397—3¼ in., wrought brass, 1¼ in. wide.....per dozen BE $0.40

TWO DOZEN IN A BOX.

DRAWER ESCUTCHEONS.





No. 1093. No. 1174.

No. 1093—1¼ in., polished brass, per dozen .....AI $0.30

No. 2093—1¼ in., polished old copper finish.....per dozen BB $0.35

No. 1174—2 in., polished brass, per dozen .....BD .35

No. N1174—2 in., nickel plated, per dozen .....BH .40

THREE DOZEN IN A BOX.

ESCUTCHEON PULLS.



No. 5575—Cast, polished brass finish, 3¼ in. long, w't per doz. 2 lbs., per dozen .....JIE $1.65

No. DB5575—Dull brass finish, otherwise same as No. 5575, per dozen .....AAJ $1.85

No. OC5575—Old copper finish, otherwise same as No. 5575, per dozen .....AAJ $1.85

No. N5575—Nickel plated, otherwise same as No. 5575, per dozen .....AAJ $1.85

TWO DOZEN IN A BOX.

TRAY HANDLES.



No. 3278—2½ in., polished, cast brass 2 in. deep., w't per doz. 3 lbs., per dozen .....ADE $2.00

No. 5794—2½ in. deep, otherwise same as No. 3278 .....per dozen BJJ $2.80

DRAWER PULLS AND CARD HOLDERS.

DRAWER PULLS.



No. B182—3¼ in., No. 3 Finish, bronze plated iron, w't per doz. 1¼ lbs., per dozen .....**JFJ** $1.20

ONE DOZEN IN A BOX WITH SCREWS.



No. P77—3 in., polished wrought bronze, w't per doz. 1½ lbs., per doz. **DB** $0.75

No. P78—3½ in., polished wrought bronze, w't per doz. 3 lbs., per dozen .....**DH** $0.85

THREE DOZEN IN A BOX, WITH SCREWS.



No. P182—3¼ in., plain bronze plated iron .....per dozen **JHE** $1.20

No. OC182—3¼ in., old copper finish bronze plated iron, per dozen .....**JHE** $1.20

No. DB182—3¼ in., dull or lemon brass finish iron .....**JHE** $1.20

No, F182—3¼ in., Bower-Barff iron, per dozen .....**ADE** $2.40

No. N182—3¼ in., nickel plated, per dozen .....**AAJ** $2.00

No. P82—3¼ in., polished cast bronze metal .....per dozen **AIJ** $3.00

No. OC82—3¼ in., polished old copper finish cast bronze metal, per dozen .....**BAJ** $3.00

No. DB82—3¼ in., dull brass metal, per dozen .....**BAJ** $3.00

No. N-82—3¼ in., nickel plated, per dozen .....**BDJ** $3.60

ONE DOZEN IN A BOX WITH SCREWS.
AVERAGE W'T 3 LBS. PER DOZEN.

DRAWER PULLS.



No. P179—2½ in., plain bronze plated steel .....per dozen **CJ** $0.50
No. P181—3¼ in., plain bronze plated steel .....per dozen **CE** $0.60
No. OC 179—2½ in., plain old copper finish steel .....per dozen **CJ** $0.50
No. OC181—3¼ in., plain old copper finish steel .....per dozen **CE** $0.60
No. DB179—2½ in., dull brass plated steel .....per dozen **CJ** $0.50
No. DB181—3¼ in., dull brass plated steel .....per dozen **CE** $0.60
No. OC79—2½ in., old copper finish metal .....per dozen **JHE** $1.20
No. OC81—3¼ in., old copper finish metal .....per dozen **JIE** $1.40
No. DB79—2½ in., dull brass finish metal .....per dozen **JHE** $1.20
No. DB81—3¼ in., dull brass finish metal .....per dozen **JIE** $1.40

ONE DOZEN IN A BOX WITH SCREWS.
AVERAGE W'T 2 LBS. PER DOZEN.



No. 5522½—1⅞x1½ in., wrought brass, buffed and lacquered, for card 1¼x¾ in. .....per dozen **CJ** $0.60

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 5507½—2½x1¼ in., wrought brass, buffed and lacquered, for card 2x1 in., per dozen .....**BI** $0.55

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 1788½—3½x1½ in., wrought brass, buffed and lacquered, for card 2¾x1¼ in.....per dozen **DA** $0.70

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 1774—3½x1¼ in., wrought brass, buffed and lacquered, for card 2⅛x1 in., without screws, per dozen .....**DB** $0.80
No. OC1774—Old copper finish, otherwise same as No. 1774, with screws, per dozen .....**JFJ** $1.00

THREE DOZEN IN A BOX.

CARD HOLDERS.



No. 1772½—1⅞x⅛ in., wrought brass, buffed and lacquered, for card 1⅛x⅛ in. .....per dozen **AH** $0.30

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 5508½—2½x1¼ in., wrought brass, buffed and lacquered, for card 2x1 in., per dozen .....**BB** $0.40

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 1790½—3½x1½ in., wrought brass, buffed and lacquered, for card 2⅞x1¼ in. .....per dozen **CD** $0.60

THREE DOZEN IN A BOX, WITHOUT SCREWS.



No. 5606½—3x1 in., wrought brass, buffed and lacquered, for card 3½x¾ in., without screws, per dozen .....**CJ** $0.55

No. OC5605½—Old copper, otherwise same as No. 5606½, with screws, per dozen .....**DH** $0.85

THREE DOZEN IN A BOX.

CABINET HARDWARE.

CABINET DOOR CATCHES.



No. 2½—Shell ⅜x⅞ in., strike plate ¾ in. diameter, polished brass, coil spring bolt, w't per gro. 3 lbs., per gross .....**BDJ** $3.20



No. 10½—Shell ⅜x⅞ in., strike plate ⅝ in. diameter, polished brass, coil spring bolt, w't per gro. 1¼ lbs., per gross .....**BCE** $3.05



No. 11½—Shell ⅞x1⅛ in., strike plate ⅝ in. diameter, polished brass, coil spring bolt, w't per gro. 1½ lbs., per gross .....**BCJ** $2.90

ONE GROSS IN A BOX.





No. 595—⅞x1½ in., oak finish knob, push button, coil spring catch, w't per doz. ⅜ lb. .....per dozen **JIE** $1.18

The oak knob being mortized to shoulder into a ⅝ in. auger hole makes a neat and strong door knob. By pushing button releases catch.



No. 395—1x1⅛ in. knob, ¾x1½ in. escutcheon, oxidized copper finish, coil spring catch, w't per doz. 1 lb., per dozen .....**AEJ** $1.70

No. 295—Polished brass, otherwise same as No. 395 .....per dozen **AEJ** $1.50

No. 495—Lemon brass finish, otherwise same as No. 395, per dozen **AEJ** $1.50

For wall cases in drug stores, jewelry stores, etc. Push the button and the door opens.

ONE DOZEN IN A BOX.

CABINET DOOR CATCHES.



No. 390—3 in. pull, oxidized copper, coil spring catch, w't per doz. 1 lb., per dozen .....**AEJ** $2.00

No. 290—3 in. pull, polished brass, coil spring catch, w't per doz. 1 lb., per dozen .....**AEJ** $1.80

No. 490—3 in. pull, lemon brass, coil spring catch, w't per doz. 1 lb., per dozen .....**AEJ** $1.80

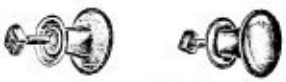
ONE DOZEN IN A BOX.



No. 699—2x1¼ in., dull brass finish, brass friction catch, w't per doz. 10 oz., per dozen .....**JDH** $1.20

THREE DOZEN IN A BOX.

CABINET DOOR KNOBS.



No. 31—1⅛x1 in., oxidized copper finish, w't per gro. 5 lbs., per gross .....**CCJ** $4.40

No. 21—1⅛x1 in., polished brass finish, w't per gro. 5 lbs., per gro. **BIJ** $3.50

No. 41—1⅛x1 in., lemon brass finish, w't per gro. 5 lbs., per gro. **BIJ** $3.50

Base is riveted fast to knob, the two small wings on bolt under base plate when drawn into the wood prevent knobs working loose.

ONE-THIRD GROSS IN A BOX.



No. 25—1 in., black enameled wood knobs, brass rose and base, with flat head screw, w't per gro. 2½ lbs., per gross .....**ADE** $1.80

No. 26—⅞ in., black enameled wood knobs, brass rose and base, with flat head screw, w't per gro. 2 lbs., per gross .....**ADJ** $1.75

No. 27—¼ in., black enameled wood knobs, brass rose and base, with flat head screw, w't per gro. 1½ lbs., per gross .....**ADJ** $1.70

ONE-QUARTER GROSS IN A BOX.

DRAWER PULLS.



Cast Iron.

No. 30—3 in., oxidized copper finish, w't per gro. 6 lbs. ..per gross **CCE** $4.40

No. 32—2 in., oxidized copper finish, w't per gro. 4¼ lbs., per gross **CBE** $4.20

No. 20—3 in., polished brass finish, w't per gro. 6 lbs., per gross **CAJ** $4.00

No. 22—2 in., polished brass finish, w't per gro. 4¼ lbs., per gross **CJJ** $3.80

No. 40—3 in., lemon brass finish, w't per gro. 6 lbs., per gross **CCE** $4.00

No. 42—2 in., lemon brass finish, w't per gro. 4¼ lbs. ....per gross **CBE** $3.80

ONE-THIRD GROSS IN A BOX.

CABINET DOOR BOLTS.



No. 045—2 in., brass plated spring bolts, w't per doz. ½ lb., per doz. **FE** $0.90

SIX DOZEN IN A BOX.

SHELF SUPPORTS.



No. 108—Coppered cast iron, w't per gro. 2 lbs.....per gross **BH** $0.40

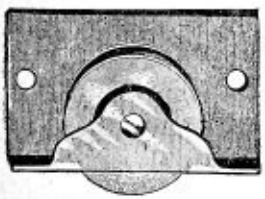
THREE GROSS IN A BOX.

SHOW CASE SHEAVES AND TRACK.

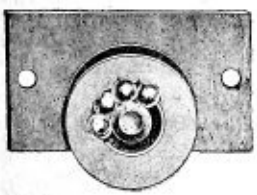
SHEAVES.



No. 44—Champion, steel, ball bearing, length over all 2⅝ in., width ½ in., height ¾ in., diam. of wheel 1⅛ in., per dozen ..... ADJ $2.40



No. 66—Champion, steel, ball bearing, length over all 2⅛ in., width ½ in., height of plate 1¼ in., diam. of wheel 1⅛ in..... per dozen ADJ $2.40



No. 55—Champion, steel, ball bearing, length over all 2¼ in., height 1⅛ in., diam. of wheel 1⅛ in., per dozen ..... ACE $2.80

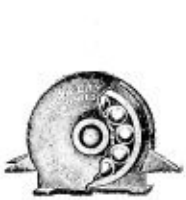


No. 17-S—Steel wheels and frame, length over all 1⅝ in., width ⅜ in., height ⅝ in., diam. of wheel ¾ in., per dozen ..... CJ $0.70

No. 17-K—Brass wheels and steel frame, otherwise same as No. 17-S, per dozen ..... DJ $0.70

FOUR DOZEN IN A BOX.

SHEAVES.





Sectional View.

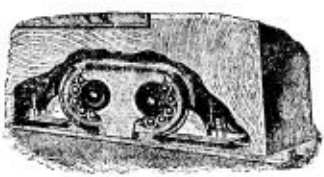
No. 347—Steel, ball bearing, noiseless, strong and easy running, length over all 1⅝ in., height 1¼ in., per dozen ..... JIJ $2.00



No. 22—Utility, steel, ball bearing, length over all 2⅝ in., height 1⅞ in., per dozen ..... AJJ $2.25



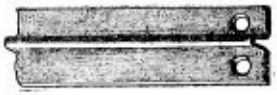
No. 24—Utility, steel, length over all 2⅝ in., height 1⅞ in., per dozen ..... JHE $1.50



No. 248—Tandem, steel, ball bearing, length over all 3¼ in., width ½ in., height 1⅞ in., diam. of wheel ⅝ in., per dozen ..... BAJ $3.60

SIX DOZEN IN A BOX.

TRACK.



Width, ⅜ in., lengths 4, 6 and 8 ft.
No. 26-S—Steel ..... per ft. JB $0.04
No. 26-U—Steel, brass plated, per ft. ..... JD .06
No. 26-F—Solid brass, per ft. JG .10
For Nos. 44, 55 and 66 sheaves.



Perfectly Smooth, Very Strong, Stock Lengths 4, 6 and 8 Feet, Width ⅝ Inch.

No. 42-C—Coppered steel, per ft. ..... JD $0.05
No. 42-U—Steel, brass plated per ft. ..... JE .07
For Nos. 347 and 24 sheaves.



No. 27-S—Steel, ½ in. wide, ⅛ in. thick, lengths 4, 6 and 8 ft..per ft. JB $0.02
For Nos. 347, 22 and 24 sheaves.



No. 28-S—Steel, lengths 4, 6 and 8 ft., width ¾ in. .....per ft. JD $0.06
No. 28-U—Brass plated, lengths 4, 6 and 8 ft., width ¾ in....per ft. JE $0.07
For No. 248 tandem sheaves.



Very Strong, Lengths 4, 6 and 8 Feet, Width 9-16 Inch.

No. 83-C—Copper .....per ft. JE $0.08
No. 83-U—Brass plated, per ft. ..... JF $0.10
For Nos. 22 and 248 tandem sheaves.

REFRIGERATOR TRIMMINGS.

REFRIGERATOR LOCKS.



No. 1339—2¼x4 in., ornamental cast brass, matt finish, ⅞ in. off-set, drop handle, right or left, not reversible, w't per doz. 8 lbs.,
per dozen .....**EAJ** $5.75

ONE DOZEN IN A BOX, WITH SCREWS.



No. 1670—Tower's patent, 2⅝x3 in., polished brass, beaded, ⅞ in. off-set, drop handle, right or left, not reversible, w't per doz. 6 lbs.,
per dozen .....**EHJ** $7.25

ONE DOZEN IN A BOX, WITH SCREWS.



No. 1669—Tower's patent, 2⅝x4½ in., polished brass, beaded ⅞ in. off-set, drop handle, right or left, not reversible, w't per doz. 9 lbs.,
per dozen .....**FIE** $8.50

Always specify right or left hand, when ordering refrigerator locks.

ONE DOZEN IN A BOX, WITH SCREWS.

REFRIGERATOR LOCKS.



No. 2302—Tower's patent, 4½x3½ in., extreme length 5½ in., pol. brass, right or left hand, not reversible, off-set, ⅞ in., w't per doz. 8 lbs.,
per dozen .....**JIHE** $12.50

No. N2302—Nickel plated, otherwise same as No. 2302,
per dozen .....**AJHJ** $13.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS.



No. 2259—Tower's patent, 2½x2⅛ in., extreme length 4 in., polished brass, right or left, not reversible, off-set ⅞ in., w't per doz., 5½ lbs., per dozen .....**JHAJ** $10.00

No. N2259—Nickel plated, otherwise same as No. 2259,
per dozen .....**JHIJ** $11.00

No. 2259½—Flush, otherwise same as No. 2259.....per dozen **GEJ** $9.50

No. N2259½—Flush, otherwise same as No. N2259....per dozen **JHDJ** $10.50

TWO-THIRDS DOZEN IN A BOX, WITH SCREWS.

REFRIGERATOR LATCHES.



No 6014—Polished brass, extreme length 5 in., lever 4 in., right or left hand, not reversible, off-set ⅞ in., w't per doz. 5¾ lbs.,
per dozen .....**EDJ** $8.50

No. 614—Flush, otherwise same as No. 6014.....per dozen **EJE** $8.00

No. N6014—Nickel plated, otherwise same as No. 6014,
per dozen .....**FJJ** $9.50

No. N614—Flush, otherwise same as No. N6014.....per dozen **EGJ** $9.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

REFRIGERATOR HINGES.



No 2263—Polished brass, 4x2 in., over all, off-set ⅞ in., w't per doz. 9 lbs., per dozen pairs.....**JIFJ** $12.00

No. N2263—Nickel plated, otherwise same as No. 2263,
per dozen pairs .....**AJEE** $13.20

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.



No. 1093—Polished brass, 5x3½ in., off-set ⅜ in., w't per doz. pairs 4½ lbs., per dozen pairs .....**EDJ** $9.00

ONE-HALF DOZEN IN A BOX.

No. 193—Flush, otherwise same as No. 1093, per doz. prs...**DHJ** $8.00

ONE DOZEN IN A BOX.

No. N1093—Nickel plated, otherwise same as No. 1093,
per dozen pairs .....**JFFJ** $11.00

ONE-HALF DOZEN IN A BOX.

No. N193—Nickel plated, otherwise same as No. 193, per doz. prs. **JFJJ** $10.50

ONE DOZEN IN A BOX.

No. 1094—Polished brass, 5¾x3½ in., off-set ⅝ in., w't per doz. prs. 6½ lbs., per dozen pairs.....**JGBJ** $12.00

ONE-HALF DOZEN IN A BOX.

No. 194—Flush, otherwise same as No. 1094, per dozen prs. **JFJJ** $10.00

ONE DOZEN IN A BOX.

No. N1094—Nickel plated, otherwise same as No. 1094,
per dozen pairs .....**JHFE** $14.00

ONE-HALF DOZEN IN A BOX.

No. N194—Nickel plated, otherwise same as No. 194, per doz. prs. **JGEJ** $12.00

ONE DOZEN IN A BOX.

ALL OF ABOVE PACKED WITH SCREWS.

REFRIGERATOR TRIMMINGS.

REFRIGERATOR HINGES.



No. 1320—2x2¼ in., ornamental cast brass, matt finish, flush, w't per doz. prs. 5 lbs., per doz. prs. **BGE** $2.60

The term flush, signifies that the hinge is intended for a flat surface.

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.



No. 1547—2x3¼ in., ornamental cast brass, matt finish, ⅛ in. off-set, w't per doz. prs. 7½ lbs, per dozen pairs .....**CJE** $3.90

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.



No. 1396—2½x4¼ in., ornamental cast brass, matt finish, ⅛ in. off-set, w't per doz. prs. 6 lbs., per dozen pairs .....**DBJ** $4.60

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

REFRIGERATOR HINGES.



No. 1420—2½x2½ in. brass plated steel, flush, w't per doz. prs. 3½ lbs., per dozen pairs .....**AEJ** $2.20

No. 1421¼—Polished brass, metal, otherwise same as No. 1420, w't per doz. prs. 3¼ lbs., per dozen pairs .....**DAJ** $5.00

No. 1422—2½x2½ in., brass plated steel, off-set ⅜ in., w't per doz. prs.3⅝ lbs., per dozen pairs.....**AHJ** $2.50

No. 1423¼—Polished brass, metal, otherwise same as No. 1422, w't per doz. prs. 3¼ lbs., per doz. prs. **DFJ** $6.00

ONE DOZEN IN A BOX, WITH SCREWS.

No. Z1424-C—Flush, sherardized and brass plated, long strap 4½ in., over all 6 in., width of short end 2⅞ in., w't per doz. prs. 7¼ lbs., per dozen pairs .....**CFJ** $6.25

No. Z1425-C—Off-set ¾ in., otherwise same as No. Z1424-C, w't per doz. prs. 7¼ lbs., per dozen pairs .....**CIE** $6.60

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

REFRIGERATOR LATCHES.



No. 90—1¼ in., enameled iron, w't per doz. 5½ lbs.....per dozen **BCJ** $4.80

No. 95—2½ in., enameled iron, w't per doz. 11 lbs.....per dozen **BFE** $6.50

ONE-HALF DOZEN IN A BOX, WITH SCREWS.



No. 92—1¼ in., polished cast brass, w't per doz. 4½ lbs..per doz. **CFE** $7.00

No. 98—2¼ in., polished cast brass, w't per doz. 8½ lbs..per doz. **EGJ** $9.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

ICE BOX FASTENERS.



Japanned Iron.

No. 91—Length of lever, in..	6	9	12
Size bolt, in.	⅜x6½	⅝x7½	¾x8½
W't, doz., lbs.	20	41	66½
Per dozen.....	$6.50	10.70	15.00
	CJJ	JECJ	JHFE

Galvanized Iron.

No. 101—Length of lever, in..	6	9	12
Size bolt, in.	⅜x6½	⅝x7½	¾x8½
W't, doz. lbs.	23	41½	67½
Per dozen....	$9.20	14.20	18.70
	DHJ	JGBJ	AJEJ

Polished Brass.

No. 801—Length of lever, in..	6	9	12
Size bolt, in.	⅜x6½	⅝x7½	¾x8½
W't doz., lbs.	20	41	70½
Per dozen.....	$13.00	23.50	42.40
	JHDJ	AEFJ	BFDJ

12 IN., ONE-THIRD DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

HAT, COAT AND HARNESS HOOKS.

HAT AND COAT.



No. 600

Coppered Steel Wire.

No. 600—2½ in., w't per gro. 5¼ lbs., per gross ..... JEB $2.20

No. 700—3 in., w't per gro. 8 lbs., per gross ..... JEG $2.40

No. 750—Brass, otherwise same as No. 700 .....per gross JDEJ $19.00

No. 800—3¼ in., w't per gro. 11 lbs., per gross ..... JGJ $3.00

Japanned Steel Wire.

No. 070—3 in., w't per gro. 8 lbs., per gross ..... JFJ $2.55

No. 080—3½ in., w't per gro. 11 lbs., per gross ..... JGE $3.20

Brass Plated, Steel Wire.

No. 1170—3 in., w't per gro. 8 lbs., per gross ..... JIE $4.80

No 470—3 in., nickel plated steel wire, w't per gro. 8 lbs., per gross ..... AAJ $4.50

NO. 600, ONE GROSS; BALANCE, ONE-HALF GROSS IN A BOX.



No. 110. Nos. 75 and 76. No. 180.

No. 110—3¼ in., wrought steel, brass plated and lacquered, with round head screws, w't per doz. 2½ lbs., per gross ..... JIAJ $15.00

No. 75—3¼ in., japanned iron, w't per gro. 10 lbs.....per gross AJE $1.65

No. 80—3¼ in., copper bronzed iron, w't per gro. 10 lbs..per gross AJE $1.75

No. 180—1¾ in., triple hook, japanned iron, w't per gro. 15 lbs., per gross ..... AFJ $2.55

No. 185—1¾ in., triple hook, coppered iron, w't per gro. 15 lbs. per gross ..... AFJ $2.65

NO. 110, ONE DOZEN; BALANCE ONE-HALF GROSS IN A BOX.

SCHOOL HOUSE.



No. 1. No. 2. No. 3.

No. 1—3 in., japanned iron, single hook, w't per gro. 27 lbs., per gross ..... BAJ $3.70

No. 2—3 in., japanned iron, double hook, heavy, w't per gro 38 lbs., per gross ..... BDE $4.05

No. 3—3 in., japanned iron, triple hook, extra heavy, w't per gro. 42 lbs., per gross ..... CAE $4.80

NO. 1, ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

HAT AND COAT.



No. P187

Size 3⅛ Inch.

No. P187—Plain bronze plated iron, per dozen ..... JDB $1.50

No. OC187—Old copper finish iron, per dozen ..... JDB $1.60

No. DB187—Dull brass finish on iron, per dozen ..... JDB $1.60

No. F87—Polished cast bronze metal, per dozen ..... BAE $3.20

No. OC87—Polished old copper finish cast bronze....per dozen BAE $3.75

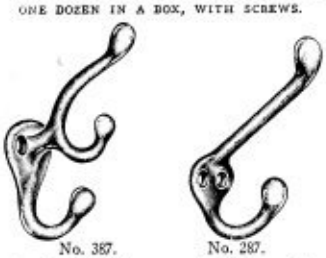
ONE DOZEN IN A BOX, WITH SCREWS. W'T 2 LBS. PER DOZEN.

HALL.



No. OC153—5 in., old copper finish iron, w't per doz. 14 lbs., per dozen ..... AHE $4.60

ONE DOZEN IN A BOX, WITH SCREWS.



No. 387. No. 287.

No. OC387—Old copper finish iron, 8 in. over all, w't per doz. 8 lbs., per dozen ..... AAE $1.80

No. DB387—Dull or lemon brass finish iron, 8 in. over all, w't per doz. 8 lbs., per dozen ..... AAE $1.80

No. OC287—Old copper finish iron, 6 in. over all, w't per doz. 5 lbs. per dozen ..... JHE $1.40

No. DB287—Dull or lemon brass finish iron, 6 in. over all, w't per doz. 5 lbs., per dozen ..... JHE $1.40

ONE DOZEN IN A BOX, WITH SCREWS.

HARNESS.



No. 1082—8 in., japanned iron, w't per doz. 9½ lbs.....per dozen JGJ $1.20

No. 1083—10 in., japanned iron, w't per doz. 13 lbs.....per dozen JGE $1.30

HARNESS.



No. 1080—5½ in. japanned iron, w't per doz. 8½ lbs.....per dozen JEH $1.00

No. 1081—6 in., japanned iron, heavy, w't per doz. 9½ lbs., per dozen ..... JFE $1.05

No. 1081½—8 in., japanned iron, extra heavy, w't per doz. 12 lbs., per dozen ..... JGE $1.30

No. 1084—10½ in., japanned iron, extra heavy, w't per doz. 33 lbs., per dozen ..... BJE $3.75



All Steel, Black Japanned.

Indestructible.

Nos.	2608	2610	2612
Size, in.	8	10	12
W't per doz., lbs...	10	16½	22½
Per dozen	$2.00	3.00	4.00
	ABJ	AEE	BAE

Folds back into position when not in use. Locks automatically into position to be used.

ONE DOZEN IN A BOX.

CEILING



Nos. 2 and 102. Nos. 4 and 6.

No. 2—2 in., japanned iron, cast screw, w't per gro. 12 lbs., per gross ..... AJJ $1.35

No. 102—2 in., copper bronzed iron, cast screw, w't per gro. 12 lbs., per gross ..... AJJ $1.35

No. 4—2 in., coppered steel wire, w't per gro. 9 lbs. .....per gross JIJ $3.40

No. 6—2 in., japanned steel wire, w't per gro. 9 lbs. .....per gross AJJ $3.70

No. 8—Nickel plated steel wire, otherwise same as No. 4, per gross ..... BJJ $6.50

No. 12—Polished brass, brass wire, otherwise same as No. 4, per gross ..... EDJ $18.00

The sizes given on chandelier and ceiling hooks are the projections from ceiling or wall.

ONE-HALF GROSS IN A BOX.

THE SIZE GIVEN IS THE PROJECTION FROM WALL.

VICTOR PATTERN HOOKS AND RACKS.



No. 1011 No. 1021.

No. 1011—2½ in. high, projection 3 in., cast steel, polished old copper finish, w't per doz. 2½ lbs., per doz. **FJ** $0.65

No. 1021—3 in. high, projection 3 in., cast steel, polished old copper finish, w't per doz. 3 lbs., per dozen **GE** $0.85



No. 1012—3½ in. high, projection 3¼ in., cast steel, polished old copper finish, w't per doz. 4 lbs., per dozen **GE** $0.85



No. 1022—5 in. high, projection 5 in., cast steel, polished old copper finish, w't per doz. 4½ lbs., per dozen **GE** $0.85



No. 1031—7 in. high, projection 4 in., cast steel, polished old copper finish, w't per doz. 6 lbs., per doz. **AEJ** $1.80

No. 1041—9 in. high, projection 4½ in., cast steel, polished old copper finish, w't per doz. 8 lbs., per doz. **AGJ** $2.00

ONE DOZEN IN A BOX.



No. 1051—12 in. high, projection 6 in., cast steel, polished old copper finish, w't per doz. 17 lbs., per dozen .....**GFJ** $4.20



No. 1032—7 in. high, projection 4 in., cast steel, polished old copper finish, w't per doz. 9½ lbs., per dozen .....**CCJ** $3.95

No. 1042—9 in. high, projection 4½ in., cast steel, polished old copper finish, w't per doz. 18 lbs., per dozen .....**DBJ** $4.95

ONE DOZEN IN A BOX.



No. 1052—12 in. high, projection 6 in., spread 9 in., cast steel, polished old copper finish, w't per doz. 28 lbs., per dozen .....**FJE** $7.20

ONE-HALF DOZEN IN A BOX.



No. 1053—12 in. high, projection 6 in., spread 11 in., cast steel, polished old copper finish, w't per doz. 38 lbs., per dozen .....**GFJ** $9.00

ONE-THIRD DOZEN IN A BOX.

HAT AND COAT RACKS.



No. 1721—16x20 in. oval frame, old copper electro plated steel, with 6 detachable hat and coat hooks, old copper plated, 7x8½ in. mirror, w't 6½ lbs., each .....**ADE** $2.00

ONE IN A PASTEBOARD BOX; ONE DOZEN IN A CRATE.

GARMENT HANGERS.

TROUSER HANGERS.



No. 12—Model, nickel plated ⅞ in. spring steel, 10½ in. long, w't per doz. 3½ lbs. .....per dozen **AJJ** $1.60
ONE DOZEN IN A DISPLAY BOX.



No. 50—Japanned, steel folding hook, thumb screw lock, 10½x1 in., w't per doz. 3 lbs. .....per dozen **JFE** $1.25



No. 15—Multiple, made of ¼ in. spring steel, nickel plated, holds 3 garments, w't per doz. 6¼ lbs., per dozen .....**ABJ** $3.00
ONE DOZEN IN A BOX.



No. 102—18 in., paraffined hard wood, smoothly finished, high grade coat hanger with felt pad trouser or skirt hanger, w't per doz. 8 lbs., per dozen .....**ADE** $2.50
ONE HUNDRED IN A CRATE.



No. 32—Good Form, nickel plated steel, length 8 in., width 1 in., w't per doz. 3½ lbs. .....per dozen **BAJ** $4.00



No. 61—Good Form, cloth lined and nickel plated, w't per doz. 5 lbs., per dozen .....**BIJ** $5.00
ONE-HALF DOZEN IN A BOX.

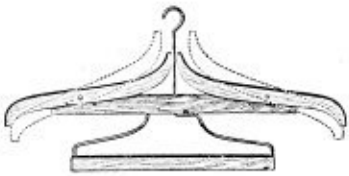
COAT HANGERS.



No. 110—Wood, 17 in., paraffined hardwood, w't per doz. 4 lbs., per dozen .....**CJ** $0.55



No. 101—17 in., paraffined hardwood, w't per doz. 6 lbs., per dozen **ABJ** $2.00



No. 60—Perfecto, spread 19 in., hardwood smoothly finished, adjustable to any size shoulder, w't per doz. 12 lbs. .....per dozen **CJJ** $6.00

Holds full suit—coat, vest and trousers—in perfect shape and smallest possible space.

ONE DOZEN IN A PACKAGE.



No. 5—Folding nickel plated, 1½ in. hook, 17 in. frame, w't per doz. 4 lbs., per dozen .....**JIE** $1.60

ONE DOZEN IN A BOX.



No. 10 Steel Wire.

No. 10—Coppered, length 16 in., w't per doz. 2½ lbs. .....per dozen **CJ** $0.50

No. 30—Tinned, length 16 in., w't per doz. 2½ lbs.....per dozen **CE** $0.70

ONE DOZEN IN A BUNDLE.

COAT HANGERS.



No. 22—Good Form, O. K., black enamel, length open 17 in., length folded 10 in., w't per doz. 3½ lbs., per doz. **AJE** $2.00
ONE-HALF DOZEN IN A BOX.



No. 19—Folding wire, 18 in., w't per doz. 2½ lbs. .....per dozen **JGJ** $1.25
ONE DOZEN IN A BUNDLE.

SKIRT HANGERS.



No. 20—Good Form, tinned wire, fits any size, w't per doz. 2½ lbs., per dozen .....**AJE** $2.20
The arms can be bent to fit any size skirt while the clasp is used to support the center of skirt if so desired.
ONE DOZEN IN A BOX.

TROUSER OR SKIRT HANGER.



No. 6—Felt Pad, spring steel, 6 in. wide, black wood with felt pads, w't per doz. 2 lbs. .....per dozen **JFJ** $1.60
ONE DOZEN IN A BOX.

No. 8—8 in. wide, felt pad, spring steel, polished stained wood, w't per doz. 2½ lbs. .....per dozen **JGJ** $1.90
TWENTY-FIVE IN A BOX.

SHELF BARS.



No. 24—Good Form, nickel plated ¼ in. wire, length 15 in., w't per doz. 3¼ lbs. .....per dozen **ABJ** $2.20
ONE DOZEN IN A BOX.

CLOSET LOOPS.



No. 25—Good Form, nickel plated, ¼ in. wire, length 8½ in., w't per doz. 3 lbs., per dozen .....**JIE** $2.20
ONE DOZEN IN A BOX.

MISCELLANEOUS HOOKS.

BIRD CAGE HOOKS.



No. 4—7½ in., walnut bronzed iron, w't per doz. 3 lbs. ....per dozen **CE** $0.70

ONE DOZEN IN A BOX.



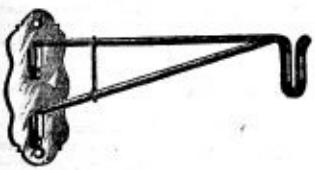
No. 12—9½ in., walnut bronzed iron, w't per doz. 7 lbs. ..per dozen **JGJ** $1.20

ONE DOZEN IN A BOX.



No. 50—9 in., walnut bronzed iron, braced, w't per doz. 6 lbs., per dozen .....**JGE** $1.35

ONE DOZEN IN A BOX.



No. 410—10 in., brass plated steel, braced, w't per doz. 3 lbs., per dozen .....**JIJ** $1.75

The size given is the projection from wall.

ONE DOZEN IN A BOX.

BIRD CAGE HOOKS.



No. 430—10½ in., oxidized brass plated steel, rigid, to screw, w't per doz. 2 lbs. .....per dozen **JIJ** $1.60

ONE DOZEN IN A BOX.



No. 440—10 in., brass plated steel, braced, w't per doz. 2 lbs., per dozen .....**JFJ** $1.25

ONE DOZEN IN A BOX.

HAMMOCK HOOKS.



No. 98—⅜ in., wrought iron, plain, with plate 2x2 in., w't per doz. 4½ lbs., per dozen .....**CE** $0.90

No. 100—⅜ in., wrought iron, tinned, with plate 2x2 in., w't per doz. 4¼ lbs., per dozen .....**JDJ** $1.00

ONE DOZEN IN A BOX.



No. 94—⅜ in., wrought iron, plain, with 2½ in. screw eye, w't per doz. 4 lbs., per dozen .....**CE** $0.90

No. 96—⅜ in., wrought iron, tinned, with 2½ in. screw eye, w't per doz. 4½ lbs. .....per dozen **JDJ** $1.00

ONE DOZEN IN A BOX.

CLOTHES LINE HOOKS.



No. 3. Nos. 2 and 20. Nos. 1 and 10.

Iron.

No. 3—2½x1 in. plate, japanned, heavy, w't per doz. 3¼ lbs., per doz. **CJ** $0.40

No. 2—2x2 in. plate, japanned, heavy, w't per doz. 3½ lbs., per doz. **CJ** $0.45

No. 20—2x2 in. plate, galvanized, heavy, w't per doz. 3½ lbs., per doz. **EJ** $0.65

No. 1—2½x2½ in. plate, japanned, extra heavy, w't per doz. 7¼ lbs., per dozen .....**FE** $0.90

No. 10—2½x2½ in. plate, galvanized, extra heavy, w't per doz. 8 lbs., per dozen .....**JIE** $1.40

NO. 3, TWO DOZEN; BALANCE, ONE DOZEN IN A BOX.

CHANDELIER HOOKS.



No. 9—2½ in., screw, walnut bronzed iron, 2⅛ in. plate, w't per doz. 3 lbs., per dozen .....**DE** $0.90

ONE DOZEN IN A BOX.



No. 114—4 in. screw, walnut bronzed iron, with 2¼ in. plate, w't per doz. 5½ lbs. .....per dozen **JGE** $1.20

ONE DOZEN IN A BOX.

LOOSE PIN, BALL TIP BUTTS.



Nos. P47 to N47.

WROUGHT STEEL.

No. P47—Bronze Plated.

Inches	2½x2½	3x3	3½x3½
Pairs in case	200	100	100
W't doz. prs., lbs.	8	12	18
Per dozen pairs	$3.50	3.80	4.00
	ADJ	ADE	AEJ

Inches	4x4	4½x4½	5x5
Pairs in case	100	200	50
W't doz. prs., lbs.	21	30	39
Per dozen pairs	$4.60	6.00	8.00
	BAE	CFJ	DHJ

No. OC47—Old Copper Finish, Bronze Plated.

Inches	2x2	2½x2½	3x3	3½x3½
Pairs in case	100	100	100	100
W't, doz. prs., lbs.	5	8	12	18
Per doz. prs.	$3.50	3.80	4.00	4.60
	ACJ	ADJ	ADE	AEJ

Inches	4x4	4½x4½	5x5
Pairs in case	100	100	50
W't doz. prs., lbs.	21	30	39
Per dozen pairs	$6.00	7.20	8.50
	BAE	CFJ	DHJ

No. DB47—Dull or Lemon Brass Finish, Bronze Plated.

Inches	2x2	2½x2½	3x3	3½x3½
Pairs in case	200	100	100	100
W't doz. prs., lbs.	5	8	12	18
Per doz. prs.	$3.50	3.80	4.00	4.60
	ACJ	ADJ	ADE	AEJ

Inches	4x4	4½x4½	5x5
Pairs in case	100	100	50
W't doz. prs., lbs.	21	30	39
Per dozen pairs	$6.00	7.20	9.00
	BAE	CFJ	DHJ

2x2 AND 2½x2½, THREE PAIRS; BALANCE, ONE PAIR IN A BOX, WITH SCREWS.

No. F47—Bower-Barff Electro Plate.

Inches	3x3	3½x3½	4x4
Pairs in case	100	100	100
W't doz. prs., lbs.	12	18	21
Per dozen pairs	$5.00	5.50	6.00
	BDJ	BFJ	CBE

Inches	4½x4½	5x5
Pairs in case	100	50
W't doz. prs., lbs.	30	39
Per dozen pairs	$8.00	10.50
	DCJ	JEJE

No. N47—Nickel Plated.

Inches	3x3	3½x3½	4x4
W't doz. prs., lbs.	12	18	21
Per dozen pairs	$5.50	6.00	6.60
	BEJ	BGJ	CEJ

ONE PAIR IN A BOX, WITH SCREWS.



Nos. 731 and 731½. Nos. OC and DB40.

WROUGHT STEEL.

No. 731—Japanned.

Inches	2x2	2½x2½	3x3	3½x3½
Size screw	8	9	10	11
Doz. in case	25	25	20	15
Screw holes	6	6	6	6
W't doz. prs., lbs.	3½	5½	8½	13
Per doz. prs.	$1.70	2.00	2.15	2.40
	JGJ	JHE	JIE	AJJ

Inches	4x4	4½x4½	5x5
Size screw	11	12	13
Doz. in case	12	10	7
Screw holes	8	8	8
W't doz. prs., lbs.	17	24	28
Per dozen pairs	$2.90	4.00	5.50
	ABE	AGE	BDJ

ONE-HALF DOZEN PAIRS IN A BOX.

No. 731½—Japanned.

Inches	2x2	2½x2½	3x3	3½x3½
Pairs in case	100	100	100	100
W't doz. prs., lbs.	3½	5½	8½	13
Per doz. prs.	$3.15	3.90	4.50	5.20
	AJJ	AAJ	ABJ	ABE

Inches	4x4	4½x4½	5x5
Pairs in case	100	100	50
W't doz. prs., lbs.	17	24	28
Per dozen pairs	$6.50	7.80	10.20
	AFJ	BAE	JCAJ

ONE PAIR IN A BOX, WITH SCREWS.

CAST BRONZE METAL, STEEL BUSHED.

No. OC40—Polished Old Copper Finish.

Inches	3x3	3½x3½	4x4
W't doz. prs., lbs.	15	21	24
Per doz. prs.	$29.00	33.00	36.00
	AHJJ	AIDE	BCJE

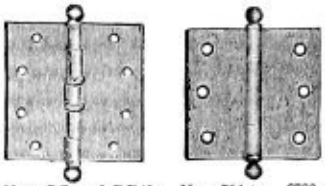
Inches	4½x4½	5x5
W't doz. prs., lbs.	30	45
Per dozen pairs	$45.00	54.00
	BGCE	CBDJ

No. DB40—Dull or Lemon Brass Finish.

Inches	3x3	3½x3½
W't doz. prs., lbs.	15	21
Per dozen pairs	$29.00	33.00
	AHJJ	AIDE

Inches	4x4	4½x4½
W't doz. prs., lbs.	24	30
Per dozen pairs	$36.00	45.00
	BCJE	BGCE

ONE PAIR IN A BOX, WITH SCREWS.



Nos. OC and DB48. Nos. 714 to 2722.

BALL BEARING.

No. OC48—Polished Old Copper Finish, Bronze Plated, Wrought Steel.

Inches	3½x3½	4x4
W't doz. prs., lbs.	15	18
Per dozen pairs	$17.40	18.36
	JHJE	JHFE

Inches	4½x4½	5x5
W't doz. prs., lbs.	27	36
Per dozen pairs	$19.56	22.32
	AJHJ	AAEJ

No. DB48—Dull Brass Finish, Bronze Plated, Wrought Steel.

Inches	3½x3½	4x4
W't doz. prs., lbs.	15	18
Per dozen pairs	$17.40	18.36
	JHJE	JHFE

Inches	4½x4½	5x5
W't doz. prs., lbs.	27	36
Per dozen pairs	$19.56	22.32
	AJHJ	AAEJ

ONE PAIR IN A BOX, WITH SCREWS.

WROUGHT STEEL, BRIGHT.

No. 714—823.

Inches	3x2½	3x3	3½x3½	4x4
Size screw	10	10	11	11
Doz. in case	25	25	15	12
W't doz. prs., lbs.	7½	8¼	13	17
Per doz. prs.	$5.40	5.50	5.90	7.30
	AJJ	AJE	AAJ	ACJ

ONE-HALF DOZEN PAIRS IN A BOX.

LIGHT WROUGHT STEEL.

No. DB2718—289-F—Dull or Lemon Brass Finish.

Inches	2x2	2½x2	2½x2½
W't doz. prs., lbs.	3	3½	4
Per dozen pairs	$4.45	4.60	4.70
	ADJ	ADJ	ADE

No. OC2718—289-D-2—Old Copper Finish.

Inches	2x2	2½x2	2½x2½
W't doz. prs.	3	3½	4
Per dozen pairs	$4.45	4.60	4.70
	ADJ	ADJ	ADE

HALF-DOZEN PAIRS IN A BOX, WITH SCREWS.

LIGHT NARROW WROUGHT STEEL.

No. P2722—295-A—Bronze Plated.

Inches	2x1⅞	2½x1½	3x2
W't doz. prs., lbs.	2¼	3¼	4½
Per dozen pairs	$3.60	3.90	4.60
	AAJ	ABJ	ADJ

No. OC2722—295-D-2—Polished Old Copper Finish.

Inches	2x1⅞	2½x1½	3x2
W't doz. prs., lbs.	2¼	3¼	4½
Per dozen pairs	$4.05	4.35	5.05
	ABE	ACE	AEE

No. DB2722—295F—Dull Brass Finish.

Inches	2x1⅞	2½x1½	3x2
W't doz. prs., lbs.	2¼	3¼	4½
Per dozen pairs	$4.05	4.35	5.05
	ABE	ACE	AEE

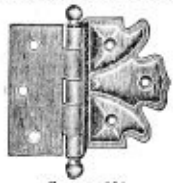
No. N2722—295-N—Nickel Plated.

Inches	2x1⅞	2½x1½
W't doz. prs., lbs.	2¼	3¼
Per dozen pairs	$5.40	5.70
	AHJ	AIJ

HALF-DOZEN PAIRS IN A BOX, WITH SCREWS.

WROUGHT STEEL BUTTS.

HALF SURFACE ORNAMENTAL.



Series 124.

No. OC124—Old Copper Finish, Ball Tips, Reversible.

Inches	2	2½	3
W't doz. prs., lbs...	3	6	12
Per dozen pairs	$3.60	4.20	4.80
	AHJ	BJE	BDJ
Inches	3½	4	4½
W't doz. prs., lbs...	18	24	30
Per dozen pairs	$5.40	6.60	9.00
	BFE	CFJ	DFJ

No. DB124—Dull Brass Finish, Ball Tips, Reversible.

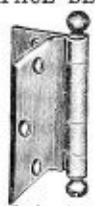
Inches	2	2½	3
W't doz. prs., lbs...	3	6	12
Per dozen pairs	$3.60	4.20	4.80
	AHJ	BJE	BDJ
Inches	3½	4	4½
W't doz. prs., lbs...	18	24	30
Per dozen pairs	$5.40	6.60	9.00
	BFE	CFJ	DFJ

No. N124—Nickel Plated Finish, Ball Tips, Reversible.

Inches	2	2½	3	3½
W't. doz. prs., lbs.	3	6	12	18
Per doz. prs..	$5.00	5.50	6.40	7.00
	BFE	BIJ	CBJ	DJJ

ONE PAIR IN A BOX, WITH SCREWS.

HALF SURFACE BEVEL EDGE.



Series 144.

No. OC144—Old Copper Finish, Ball Tips, Reversible.

Inches	2	2½	3
W't per doz., lbs...	3	6	12
Per dozen pairs.....	$4.20	4.80	5.20
	AIJ	BCJ	BGJ
Inches	3½	4	4½
W't doz. prs., lbs...	18	24	30
Per dozen pairs	$6.00	7.20	10.00
	CJJ	CFJ	JEDJ

No. DB144—Dull Brass Finish, Ball Tips, Reversible.

Inches	2	2½	3
W't per doz., lbs...	3	6	12
Per dozen pairs.....	$4.20	4.80	5.20
	AIJ	BCJ	BGJ
Inches	3½	4	4½
W't doz. prs., lbs...	18	24	30
Per dozen pairs	$6.00	7.20	10.00
	CJJ	CFJ	JEDJ

No. N144—Nickel Plated Finish, Ball Tips, Reversible.

Inches	2	2½	3	3½
W't doz. prs., lbs.	3	6	12	18
Per doz. prs.	$5.50	6.00	7.10	7.70
	BHJ	CJJ	CIE	DBE

ONE PAIR IN A BOX, WITH SCREWS.

BROAD, FAST JOINT.



Nos. 705 to G4705.

No. 705—808—Bright.

Inches	2x2	2½x2½	3x3	3½x3½
Size screws..	7	8	9	10
Screw holes	4	6	6	6
W't doz. prs., lbs.	4½	4¼	7¼	11
Per doz. prs.	$1.20	1.60	2.40	3.50
	JCJ	JDJ	JFJ	JIJ

ONE DOZEN PAIRS IN A BOX.

No. OC2705—291D2—Old Copper Finish.

Inches	2½x2½	3x3	3½x3½
W't doz. prs., lbs...	6	9	14
Per dozen pairs	$2.65	3.40	4.05
	ACJ	AFE	AIE

No. DB2705—291F—Dull or Lemon Brass Finish.

Inches	2½x2½	3x3	3½x3½
W't doz. prs., lbs...	6	9	14
Per dozen pairs	$2.65	3.40	4.05
	ACJ	AFE	AIE

No. G4705—1319—Galvanized, with Brass Pin.

Inches	3x3	3½x3½
W't doz. prs., lbs.	9	14
Per dozen pairs	$3.20	4.70
	BIE	CIE

ONE-HALF DOZEN PAIRS IN A BOX, WITH SCREWS.

INSIDE BLIND.



Nos. 723 and 332.

No. 723—842—Bright Wrought Steel, Six Screw Holes.

Inches	1⅛x1¾	1¼x1⅞
Size screw	5	5
W't doz. prs., lbs.	¾	1
Per dozen pairs	$0.65	.70
	AI	BJ

Inches	1⅛x2	1¼x2⅛
Size screw	5	6
W't doz. prs., lbs.	1¼	1½
Per dozen pairs	$0.75	.80
	BB	BC

ONE DOZEN PAIRS IN A BOX.

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

LOOSE PIN.



Nos. 703 to 717.

No. 703—804—Bright.

Inches	2x2	2x2½	2½x2	2½x2½
Size screw ..	8	8	9	9
Doz. in case	50	50	50	50
W't doz. prs.	3¼	3¾	4½	4¾
Per doz. prs.	$1.40	1.50	1.60	1.80
	JCE	JCE	JDJ	JDE

Inches	2½x3	3x2½	3x3
Size screw	9	10	10
Doz. in case	50	40	40
W't doz. prs., lbs.	5½	6¼	7¾
Per dozen pairs	$2.20	2.40	2.60
	JEE	JFJ	JFE

ONE DOZEN PAIRS IN A BOX.

Inches	3x3½	3½x3	3½x3½
Size Screw	10	11	11
Doz. in case	25	25	25
W't doz. prs., lbs.	8½	10	11
Per dozen pairs	$3.00	3.60	3.80
	JHJ	JIE	AJJ

Inches	4x4	4½x4½	5x5
Size screw	11	12	13
Doz. in case	25	10	10
W't doz. prs., lbs.	16	19	25
Per dozen pairs	$4.70	5.90	7.70
	AAE	ADJ	AHE

Galvanized.

No. G4703—1334—Loose Brass Pin.

Inches	3x3	3½x3½
W't doz. prs., lbs.	9	13
Per dozen pairs	$4.80	6.90
	CJJ	DEE

ONE-HALF DOZEN PAIRS IN A BOX, WITH SCREWS.

LIGHT LOOSE PIN.

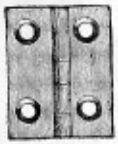
No. 717—834—Bright.

Inches	2x2	2½x2½
Size screw	7	7
Doz. in case	50	50
W't doz. prs., lbs.	2¼	3¾
Per dozen pairs	$1.40	1.80
	JDJ	JEJ

ONE DOZEN PAIRS IN A BOX.

BUTTS.

WROUGHT BRASS.



Narrow Size.

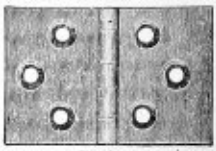
Inches	½	⅝	⅞	1	1¼	1½	1¾	2	2½	3
Width open, in.	½	⅝	⅝	¾	¾	⅞	1	1	1⅛	1⅜
W't per doz. pairs, lbs.	¼	⅜	½	⅝	½	⅝	¾	1	1¼	3
Per dozen pairs	$0.24	.28	.30	.32	.46	.52	.68	.80	1.40	2.50
	AG	AH	AI	BB	CJ	CD	DD	EC	JIJ	AFE

Middle Size.

Inches	⅝	1	1¼	1½	1¾	2	2¼	2½	3
Width, open, in.	¾	⅞	⅞	1	1⅛	1¼	1⅜	1½	1¾
W't per doz. pairs, lbs.	⅜	½	½	⅝	¾	1	1¼	1¼	3
Per dozen pairs	$0.30	.38	.48	.60	.76	.92	1.30	1.70	3.00
	AI	BE	CA	DJ	EJ	FJ	JHE	AAJ	BJJ

Broad Size.

Inches	1	1¼	1½	1¾	2	2½	3
Width open, in.	1	1	1¼	1¼	1⅛	1¼	2
W't per doz. prs., lbs.	½	⅝	⅝	¾	1	2	3¼
Per dozen pairs	$0.40	.54	.68	.84	1.04	2.00	3.50
	BF	CF	DD	EE	JFH	ACJ	BCJ



Desk.

Desk.

Inches	1	1⅛	1¼	1½
Width open, in.	1½	1¼	1⅜	2
W't per doz. prs., lbs.	⅝	¾	1	1½
Per dozen pairs	$0.60	.72	.84	1.20
	CB	DJ	DE	JFE

ONE DOZEN PAIRS IN A BOX.

WROUGHT STEEL.



Nos. 700, 719 and Series 2719.

Narrow, Bright, Fast Joint.

No. 700—800—Inches	1	1¼	1⅜	1¾	2	2⅛	2⅜	2¾	3	3⅛	4	4½	5
Width open, in.	1¼	1⅜	1½	1⅝	1¾	1⅞	1⅞	2⅛	2⅜	2⅜	2⅞	3	3⅜
Size of screw	5	6	7	7	8	8	8	9	9	10	10	11	12
Screw holes	4	4	4	4	4	6	6	6	6	6	8	8	8
Dozen in a case	100	100	100	100	100	100	100	50	50	40	25	20	15
W't doz. prs., lbs.	¾	1	1¼	1¾	2¼	3	3½	4¼	5	7¼	10½	12½	17
Per dozen pairs	$0.40	.50	.65	.80	.90	1.05	1.10	1.30	1.45	2.00	2.85	3.70	4.60
	AB	AG	BJ	BE	BH	JCB	JCD	JCI	JDF	JFJ	JIJ	AAE	ADJ

Light, Narrow, Bright, Fast Joint.

No. 719—838—Inches	1	1¼	1½	1¾	2	2¼	2½	3	3½	4
Width open, in.	1	1⅛	1⅛	1⅛	1⅛	1⅛	1⅛	2	2¼	2⅝
Size of screw	3	3	5	5	6	6	6	7	9	10
Screw holes	4	4	4	4	4	6	6	6	6	8
Dozen in case	100	100	100	100	100	100	100	50	50	40
W't per doz. prs., lbs.	½	¾	1	1¼	1¾	2¼	2½	6¾	6½	8¼
Per dozen pairs	$0.40	.50	.65	.80	.90	1.05	1.30	1.45	2.00	2.85
	AB	AE	AI	BC	BF	JCJ	JCB	JDB	JFJ	JHE

ONE DOZEN PAIRS IN A BOX.

Light, Narrow, Polished Old Copper Finish, Fast Joint.

No. OC2719—284D2—Inches	2	2½	3
Width open, in.	1½	1¾	2
W't doz. prs., lbs.	2	2¾	4½
Per dozen pairs	$1.25	1.45	1.85
	JHJ	JIE	ABJ

Light, Narrow, Dull or Lemon Brass Finish, Fast Joint.

No. DB2719—284F—Inches	2	2½	3
Width open, in.	1½	1¾	2
W't doz. prs., lbs.	2	2¾	4½
Per dozen pairs	$1.25	1.45	1.85
	JHJ	JIE	ABJ

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

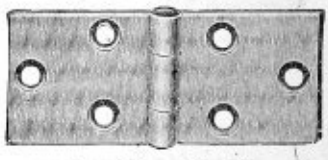
WASH TRAY BUTTS.



No. 1312—1¼ in., galvanized wrought steel, brass pin, w't per doz. prs. 2¼ lbs., per dozen pairs ..... AIJ $2.20

ONE DOZEN PAIRS IN A BOX.

BACK FLAPS.

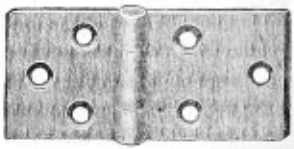


No. 709—814—Bright Wrought Steel, Six Screw Holes.

Inches	1	1⅛	1¼	1⅜	1½
Width open, in.	2¼	2⅞	3	3¼	3½
Size of screw	6	6	7	7	8
W't doz. prs., lbs.	1½	1¾	2¼	2¾	3
Per dozen pairs		$0.80	.90	1.00	1.05
		BE	BI	JCB	JCF	JCH

ONE DOZEN PAIRS IN A BOX.

TABLE BUTTS.



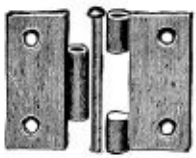
Bright Wrought Steel, Six Screw Holes.

No. 707—810—Inches	1⅛	1¼	1⅜	1½
Width open, in.	2⅝	2¾	3	3
Size of screw	7	7	7	8
W't doz. prs., lbs.	1½	2	2½	2¾
W't doz. prs., lbs.	$0.80	90	1.00	1.05
	BC	BE	JCJ	JCA

ONE DOZEN PAIRS IN A BOX.

BUTTS AND HINGES.

LOOSE PIN.



Nos. 721 to OC2721.

No. 721—840—Bright.

Inches	1½x1⅜	1¾x1½	2x1⅝
Size screw	5	5	6
Screw holes	4	4	4
W't doz. prs., lbs.	1	1½	1¾
Per dozen pairs	$0.90	1.00	1.10
	BE	JBH	JCB
Inches	2⅛x1¾	3x2	
Size screw	6	7	
Screw holes	6	6	
W't per doz. prs., lbs.	2¼	3¼	
Per dozen pairs	$1.45	1.80	
	JDB	JEC	

LIGHT NARROW.

Loose Pin.

No.	DB2721—286-F—Dull Brass Finish.	or	Lemon
Inches	1½	2	2½	3
Width open, in.	1⅛	1⅜	1¾	2
Size screw	5	6	6	7
Screw holes	4	4	6	6
W't doz. prs., lbs.	1	1¼	2¼	3¼
Per doz. prs.	$1.37	1.62	1.90	2.40
	JGE	JIJ	AJE	ACJ

No. OC2721—286-D2—Old Copper Finish, Bronze Plated.

Inches	1½	2	2½	3
Width, open, in.	1⅛	1⅜	1¾	2
Size screw	5	6	6	7
Screw holes	4	4	6	6
W't doz. prs., lbs.	1	1¼	2¼	3¼
Per doz. prs.	$1.37	1.62	1.90	2.40
	JGE	JIJ	AJE	ACJ

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

CORRUGATED HINGES.



No. 1430—1⅝x2⅞ in., polished wrought brass, without screws, w't per doz. prs. 2 lbs., per doz. pairs **AHJ** $2.70

No. OC1430—1⅝x2⅜ in., polished old copper finish wrought brass, with screws, w't per doz. prs. 2 lbs., per dozen pairs **AHJ** $3.00

No. 1431—1⅝x2⅞ in., bronzed steel, with screws, w't per doz. prs. 1½ lbs., per dozen pairs **ACJ** $2.40

No. OC1431—1⅝x2⅞ in., polished old copper finish steel, with screws, w't per doz. prs. 1½ lbs., per dozen pairs **ACJ** $2.70

ONE DOZEN PAIRS IN A BOX.

FANCY HINGES.



No. OC2726—Old copper plated steel, 2x2½ in., w't per doz. prs. 2½ lbs., per dozen pairs **ABJ** $2.20

No. DB2726—Dull brass plated steel, 2x2½ in., w't per doz. prs. 2½ lbs., per dozen pairs **ABJ** $2.20

No. N2726—Nickel plated steel, 2x2½ in., w't per doz. prs. 2½ lbs., per dozen pairs **AEJ** $2.40



No. OC2727—Old copper plated steel, 2x3¼ in., w't per doz. prs. 3 lbs., per dozen pairs **ABJ** $2.20

No. DB2727—Dull brass plated steel, 2x3¼ in., w't per doz. prs. 3 lbs., per dozen pairs **ABJ** $2.20

No. N2727—Nickel plated steel, 2x3¼ in., w't per doz. prs. 3 lbs., per dozen pairs **AEJ** $2.20

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.



Stamped Brass.

No. 420—1¼x2¼ in., polished finish, brass pin, without screws, w't per doz. prs. ½ lb., per dozen pairs **JEE** $1.50

No. 430—1¾x3 in., polished finish, brass pin, without screws, w't per doz. prs. 1¼ lbs. per dozen pairs **JHJ** $2.00

No. OC420—1¼x2¼ in., polished old copper plated finish, with screws, w't per doz. prs. ½ lb., per dozen pairs **ABJ** $2.00

No. OC430—1¾x3 in., polished old copper plated finish, with screws, w't per doz. prs. 1¼ lbs., per dozen pairs **ADE** $2.50

No. DB420—1¼x2¼ in., dull brass finish, with screws, w't per doz. prs. ½ lb. per dozen pairs **ABJ** $2.00

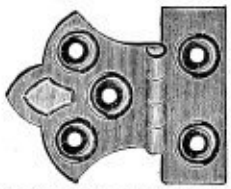
No. DB430—1¾x3 in., dull brass finish, with screws, w't per doz. prs. 1¼ lbs., per dozen pairs **ADE** $2.50

No. N420—1¼x2¼ in., nickel plated finish, with screws, w't per doz. prs. ½ lb. per dozen pairs **ADE** $2.40

No. N430—1¾x3 in., nickel plated finish, with screws, w't per doz. prs. 1¼ lbs., per dozen pairs **AFJ** $2.75

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

FANCY HINGES.



No. 1051—2⅛x1⅞ in., polished brass, w't per doz. prs. 1¼ lbs., without screws, per dozen pairs **JIE** $1.80

ONE DOZEN PAIRS IN A BOX

No. OC1052—2⅛x1¾ in., old copper plated steel, w't per doz. prs. 1¾ lbs., per dozen pairs **JIE** $2.00

No. DB1052—2⅛x1¾ in., dull brass plated steel, w't per doz. prs. 1¾ lbs., per dozen pairs **JIE** $2.00

THREE DOZEN PAIRS IN A BOX, WITH SCREWS.



No. OC1071—1⅞x3 in., old copper finish steel butts, w't per doz. prs. 1½ lbs. per dozen pairs **JIJ** $1.50

No. DB1071—1⅞x3 in., dull brass finish steel butts, w't per doz. prs. 1½ lbs., per dozen pairs **JIJ** $1.50

THREE DOZEN PAIRS IN A BOX, WITH SCREWS.

SHOW CASE HINGES.



No. 1—2 in., wrought steel, japanned steel spring, w't per doz. prs. 2 lbs., per dozen pairs **JIJ** $1.50

No. 6—2 in., wrought brass, brass plated spring, w't per doz. prs. 2 lbs., per dozen pairs **BAE** $3.75

SPRING HINGES.



Nos. 3 to 703. No. 13.

ACME, Single Action.

No. 3—3 in., steel, walnut bronzed, w't per doz. prs. 2½ lbs., per dozen pairs **AEJ** $2.25

No. 702—2½ in., brass, w't per doz. prs. 1¼ lbs. per dozen pairs **BCJ** $4.00

No. 703—3 in., brass, w't per doz. prs. 1¾ lbs. per dozen pairs **CJJ** $5.40

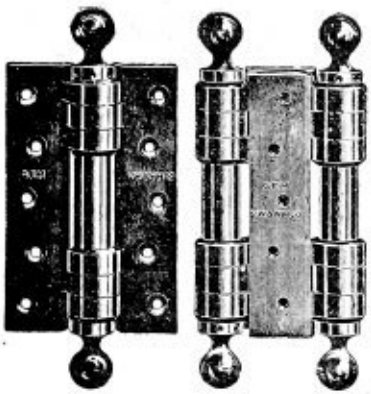
ACME, Double Action.

No. 13—3 in. steel, walnut bronzed w't per doz prs 6 lbs, per dozen pairs **CEJ** $4.50

ONE-HALF DOZEN PAIRS IN A BOX.

SPRING HINGES.

GEM CAST.



SINGLE ACTION, Japanned, Ball Tips.

Nos.	62½	63	64
Length flanges, in.	3	3½	4
Size of door, ft.	6x2	6x2	7x2
Thickness of door, in.	⅜to⅞	⅜to1⅛	1to1⅛
W't per pair, lbs.	1½	2	3
Per pair	$0.70	.75	.85
	FE	FE	GE

Nos.	65	66
Length of flanges, in.	5	6
Size of door, ft.	7x2½	7x2½
Thickness of door, in.	1to1½	1to1½
W't per pair, lbs.	4	5
Per pair	$1.10	1.50
	AJJ	ACE

DOUBLE ACTION, Japarned, Ball Tips.

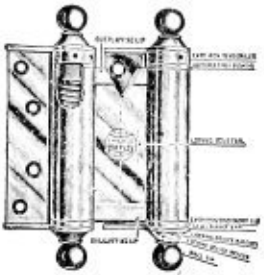
Nos.	82	83	84
Flanges, in.	3	3½	4
Size of door, ft.	6x2	6x2	7x2
Thickness of door, in.	⅜to⅞	⅜to1⅛	1to1⅛
W't per pair, lbs.	3	3½	5
Per pair	$1.35	1.50	1.65
	ABJ	ACE	AEJ

Nos.	85	86	87
Flanges, in.	5	6	7
Size of door, ft.	7x2½	7x2½	8x2½
Thickness of door, in.	1to1½	1to1¾	1¼to2
W't per pair, lbs.	7½	10	12
Per pair	$2.10	2.90	3.75
	AIJ	BFJ	CCE

The largest hinges that the thickness of the door will permit will work the best.

ONE PAIR IN A BOX, WITH SCREWS.

CHICAGO TRIPLEX SPRING BUTTS.



DOUBLE ACTING, Dead Black, Japanned.

No. 2001—Flange, in.	3	4	5
W't per pair, lbs.	2½	3½	5⅛
Per pair	$2.00	2.50	3.15
	JIE	ABJ	AEJ
No. 2001—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	8	10½	14½
Per pair	$4.40	5.60	8.10
	BAJ	BGJ	CIJ

Antique Copper.

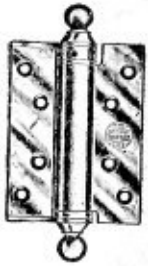
No. 2171—Flange, in.	3	4	5
W't per pair, lbs.	2½	3½	5⅛
Per pair	$2.75	3.50	4.40
	ACJ	AGJ	BAJ
No. 2171—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	8	10⅜	14½
Per pair	$6.10	7.90	11.25
	BIJ	CHJ	JEDJ

Dull Brass.

No. 2281—Flange, in.	3	4	5
W't per pair, lbs.	2½	3½	5⅛
Per pair	$2.75	3.50	4.40
	ACJ	AGJ	BAJ
No. 2281—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	8	10⅜	14½
Per pair	$6.10	7.90	11.25
	BIE	CHJ	JEDJ

ONE PAIR IN A BOX, WITH SCREWS.

CHICAGO TRIPLEX SPRING BUTTS.



SINGLE ACTING, Dead Black Japanned.

No. 2002—Flange, in.	3	4	5
W't per pair, lbs.	1⅝	1⅞	2⅞
Per pair	$1.00	1.25	1.60
	JDH	JFJ	JGE
No. 2002—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	4¼	5⅞	8⅝
Per pair	$2.25	2.90	4.10
	AAJ	ADJ	AIE

Antique Copper.

No. 2172—Flange, in.	3	4	5
W't per pair, lbs.	1⅝	1⅞	2⅞
Per pair	$1.50	1.75	2.25
	JGJ	JHE	AAJ
No. 2172—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	4¼	5⅞	8⅝
Per pair	$3.10	4.00	5.60
	AEJ	AIJ	BGJ

Dull Brass.

No. 2282—Flange, in.	3	4	5
W't per pair, lbs.	1¾	1⅞	2⅞
Per pair	$1.50	1.75	2.25
	JGJ	JHE	AAJ
No. 2282—Flange, in.	**6**	**7**	**8**
W't per pair, lbs.	4¼	5⅞	8⅝
Per pair	$3.10	4.00	5.60
	AEJ	AIJ	BGJ

ONE PAIR IN A BOX, WITH SCREWS.

SCHEDULE OF APPLICATION.

Size of Hinge Length of Flange.	DIMENSIONS. Door Thickness.	Hanging Strip Depth	FOR DOORS. Thickness.	Width.	Thickness.	Width.
3 in.	¾x1 in.	⅝ in.	¾ in.	x 2 ft. 3 in. to 1	in.	x 2 ft. 0 in.
4 in.	⅞ to 1¼ in.	⅝ in.	⅞ in.	x 2 ft. 6 in. to 1¼	in.	x 2 ft. 0 in.
5 in.	1⅛ to 1½ in.	⅝ in.	1⅛ in.	x 2 ft. 6 in. to 1½	in.	x 2 ft. 3 in.
6 in.	1⅜ to 1¾ in.	¾ in.	1⅜ in.	x 2 ft. 9 in. to 1¾	in.	x 2 ft. 3 in.
7 in.	1⅝ to 2 in.	¾ in.	1⅝ in.	x 2 ft. 9 in. to 2	in.	x 2 ft. 6 in.
8 in.	1½ to 2¼ in.	1 in.	1½ in.	x 3 ft. 0 in. to 2¼	in.	x 2 ft. 6 in.

The General Construction of the "Triplex" Spring Butt has many features which are of recognized merit.

The Body is made of one integral piece, avoiding the necessity of means of fastening separate parts together. By this unique method it permits the use of heavier metal in the entire construction, with three-ply ("Triples") of heavy metal at the end portions of the body between the barrels, producing a maximum of strength and rigidity.

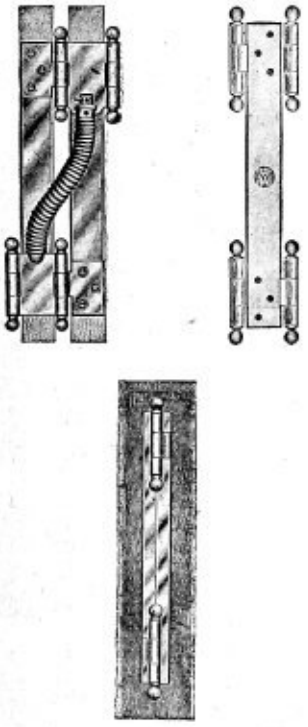
The Springs are made of the best tempered steel wire in ample proportions and proper ratio of length, diameter and gauge.

The Application of the proper size butt, according to conditions, is an essential to consider in specifying. It is advisable to avoid overloading the hinge by the selection of too small a size, thereby causing the annoyance of doors improperly operating and possible breakages. We give above a schedule which will be of assistance in specifying.

ONE PAIR IN A BOX, WITH SCREWS.

CHICAGO SPRING AND BLANK BUTTS, ETC.

SPRING BUTTS.



Japanned, Double Acting.

No. 1½—Door, in.	⅞to1	1⅛to1¼	1⅜to1½
W't per pair, lbs.	4½	5½	10
Per pair	$1.30	1.60	2.60
	AAJ	ACE	BAE
Springs, each	.80	.30	.42
	BE	BE	CE

No. 1½—Door, in.	1¾to2	2¼to2½
W't per pair, lbs.	16	30
Per pair	$4.00	7.50
	CCE	FBE
Springs, each	$0.50	.70
	DJ	EE

Old Copper Finish, Double Acting.

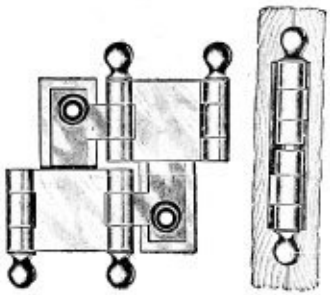
No. 171½—Door, in.	⅞to1	1⅛to1¼	1⅜to1½
W't per pair, lbs.	4½	6	10
Per pair	$2.25	2.65	3.75
	AHE	BBJ	CAJ

No. 171½—Door, in.	1¾to2	2¼to2½
W't per pair, lbs.	16	30
Per pair	$5.75	10.00
	DHJ	JHCE

When applied to the door, the spring of this style is concealed when closed. The spring has a purchase power in closing the door.

ONE PAIR IN A BOX.

BLANK BUTTS.



Japanned, Double Acting.

No. 3½—Door, in.	⅞to1	1⅛to1¼	1⅜to1½
W't per pair, lbs.	1½	1¾	2½
Per pair	$0.65	.80	1.30
	EE	FE	AAJ

No. 3½—Door, in.	1¾to2	2¼to2½
W't per pair, lbs.	3½	5½
Per pair	$2.00	3.75
	AFE	CAJ

Old Copper Finish, Double Acting.

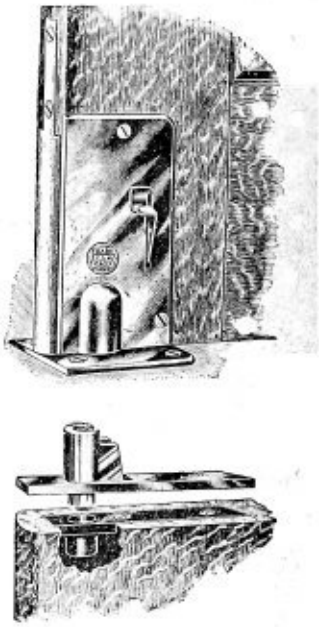
No. 173½—Door, in.	⅞to1	1⅛to1¼	1⅜to1½
W't per pair, lbs.	1½	1¾	2½
Per pair	$1.15	1.35	1.90
	JIE	AAE	AFJ

No. 173½—Door, in.	1¾to2	2¼to2½
W't per pair, lbs.	3½	5½
Per pair	$2.90	5.00
	BDJ	DAE

To economize for light doors, put a spring butt at the top and a blank butt at the bottom of the door. Never use a blank on outside doors, as it takes the full power of two springs to hold door against draft. Always put it below the spring butt.

THREE PAIRS IN A BOX.

SURFACE FLOOR SPRING HINGES.



"Chicago Relax," Ball Bearing.

No. 6001-A—Dead black, japanned steel, for doors 1⅛ to 1½ in. thick, w't per set 5¼ lbs. .....per set **ACE** $3.50

No. 6001-B—For doors 1½ to 2 in. thick, w't per set 6¼ lbs., otherwise same as No. 6001-A .....per set **BJE** $5.25

No. 6131-A—Bronzed plated steel, for doors 1⅛ to 1½ in. thick, w't per set 5 ¼lbs. .....per set **AHE** $4.70

No. 6131-B—For doors 1½ to 2 in. thick, w't per set 6¾ lbs., otherwise same as No. 6131-A .....per set **BGJ** $7.00

No. 6171-A—Old copper plated steel, for doors 1⅛ to 1½ in. thick, w't per set 5¼ lbs. .....per set **BJJ** 5.10

No. 6171-B—For doors 1½ to 2 in. thick, w't per set 6¼ lbs., otherwise same as No. 6171-A .....per set **CJJ** $7.70

No. 6281-A—Dull brass plated steel, for doors 1⅛ to 1½ in. thick, w't per set 5¼ lbs. .....per set **BJJ** $5.10

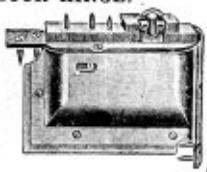
No. 6281-B—For doors 1½ to 2 in. thick, w't per set 6¼ lbs., otherwise same as No. 6281-A .....per set **CJJ** $7.70

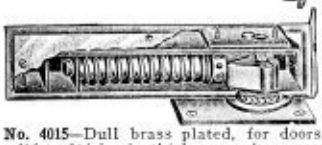
This hinge has adjustable tension, new release feature, which allows door to remain open at any position and is automatic in re-engaging when it is closed. The "Adjustable Top Pivot" is always furnished with this hinge, permitting the door to be readily taken down and allowing full clearance of the doorway.

ONE SET IN A BOX.

DOUBLE ACTION FLOOR HINGES.

SHELBY CHIEF, DOUBLE ACTING DOOR CHECK AND FLOOR HINGE.





No. 4015—Dull brass plated, for doors, 1⅛ to 1¾ in. in thickness, w't per set 7 lbs. .....per set **JEDJ** $13.75

No. 4042—Antique copper plated, for doors 1⅛ to 1¼ in. in thickness, w't per set 7 lbs.....per set **EDJ** $13.75

When properly installed has perfect control over double-acting doors, instead of a door swinging violently it will close with ease and without noise, and will stop on positive center.

This combination can also be used to swing a door but one way by placing a stop on the jamb.

ONE SET IN A BOX, COMPLETE WITH SCREWS.

BOMMER, BALL BEARING.



Showing Sectional View.

Japanned, Dead Black Finish.

Nos.	2	4
Door, thickness, in.	⅞to1½	1¼to2
W't per set, lbs.	6½	8¼
Per set	$2.30	2.90
	ABJ	**ADE**

Old Copper Finish, Unpolished.

Nos.	302	304
Door, thickness, in.	⅞to1½	1¼to2
W't per set, lbs.	6½	8¼
Per set	$3.15	3.80
	AFJ	**AIJ**

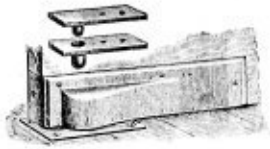
Dull or Lemon Brass Finish, Unpolished.

Nos.	DB302	DB304
Door, thickness, in.	⅞to1½	1¼to2
W't per set, lbs.	6½	8¼
Per set	$3.15	3.80
	AFJ	**AIJ**

The tension is easily adjusted while hinge is in place. Raised ball bearings are near floor, giving easy movement, great durability and balanced power. Being elevated on center post and covered by hollow spindle, the ball bearing is protected from water, dirt and grit. Has broad top bearing plate, giving screws a good hold on flooring.

ONE SET IN A BOX WITH SCREWS AND WRENCH.

SHEBY CHIEF, BALL BEARING.



Dead Black Japanned.

Nos.	20	40
Door, thickness, in.	1⅛to1½	1¼x2
W't per set, lbs.	4¼	6
Per set	$2.80	3.50
	JFE	**JGE**

Old Copper Finish.

Nos.	42	44
Door, thickness, in.	1¼x2½	1¼x2
W't per set, lbs.	4¼	6
Per set	$3.75	4.55
	JIJ	**AAJ**

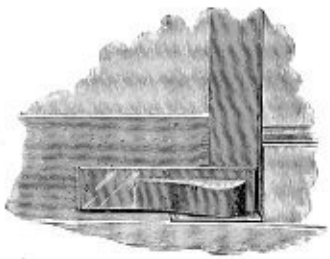
Dull Brass or Lemon Finish.

Nos.	15	17
Door thickness, in.	1¼to1½	1¼to2
W't per set, lbs.	4¼	6
Per set	$3.75	4.55
	JIJ	**AAJ**

All the working parts of this hinge are set in the door. This is done by sawing out a square cut at bottom corner of door, no mortising required.

As only the plate rests on the surface, all possibility of injury to the mechanism is eliminated.

CRUSO.



For Doors 1⅜ to 1¾ Inches Thick, W't Per Set 4 Lbs.

No. 202—Dead black, Japanned, per set .....**JGE** $1.50

No. 205—Dull brass finish, per set .....**JIJ** 1.75

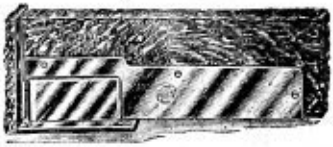
No. 207—Old copper finish, per set .....**JIJ** 1.75

All parts are made of steel of best quality, wearing parts case-hardened. Ball bearings carry weight of door and thrust of spring. Beveled edge side plates.

CHICAGO PREMIER.



Exposed View.



Applied View.

Ball-Bearing Alignment Feature, Flat Wire Spring.

Dead Black Japanned.

Nos.	4001-A	4001-B
Door thickness, in.	1⅛to1¼	1¾to2¼
W't per set, lbs.	4½	7½
Per set	$2.10	2.65
	ACE	**AGJ**

Antique Copper Plated.

Nos.	4171-A	4171-B
Door thickness, in.	1⅛to1¾	1¾to2¼
W't per set, lbs.	4½	7½
Per set	$2.80	3.40
	AHJ	**BBJ**

Dull Brass Plated.

Nos.	4281-A	4281-B
Door thickness, in.	1⅛to1¾	1¾to2¼
W't per set, lbs.	4½	7½
Per set	$2.80	3.40
	AHJ	**BBJ**

In ordering, always state the finish, number and size.

The Chicago "Premier" Spring Hinge is of unequalled merit, in this type of hinge and is a high grade article in every respect.

This hinge holds the door open when it is swung to ninety degrees. The weight of the door is carried on ball-bearings, the eccentric is equipped with hardened steel roller-bearings and the piston is made of drop-forged steel.

The compression spring is made of the best tempered steel flat wire, producing the greatest efficiency and durability. The tension is adjustable.

The alignment feature is readily accessible at any time and is adjusted by turning a single screw. This eliminates any possibility of improper usage of this feature.

The attaching plate serves as a templet for cutting the door, requiring only the use of a saw and eliminates mortising projecting arms into the edges of the door.

Where floors are tile or concrete, the hinges should be specified with concrete floor-plates which are attached to the door casing. Concrete floor-plates are a part of the hinge and cannot be supplied individually for the regular hinges.

ONE SET IN A BOX, WITH SCREWS.

SCREEN DOOR NUMERALS, HINGES AND SETS.

HINGES AND SETS.



No. 77—3x2½ in., japanned, single action, hold back, w't per doz. prs. 8 lbs., per dozen pairs .....**JHJ** $1.50

ONE DOZEN PAIRS IN A BOX; SIX DOZEN PAIRS IN A CASE.

No. 77-S—Comprising one pair of No. 77 spring hinges with screws, one 2½ in. bright wire hook and eye, and one 5 in. japanned door pull, w't per doz. sets 10 lbs., per doz. sets **ABJ** $2.25

ONE SET IN A BOX.



No. 1750—Comprising one pair loose pin, ball tipped japanned steel butts, 3x3 in., one No. 4 Japanned Perfect coil door spring with eyes, one 3½ in. japanned steel door pull, one 2½ in. japanned gate hook and eye, w't per doz. sets, 10 lbs., per dozen sets .....**AEJ** $3.00

No. OC1750—Old copper plated, otherwise same as No. 1750, per doz. sets .....**AIE** $4.00

No. DB1750—Dull brass plated, otherwise same as No. 1750, per dozen sets .....**AIE** $4.00

ONE SET IN A BOX.

BUTTS.

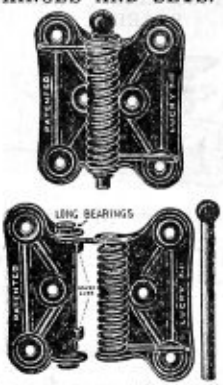
No. 1752—Japanned, 3x3 in., same as furnished with No. 1750 sets, per dozen pairs .....**JIJ** $1.75

No. OC1752—Old copper finish, otherwise same as No. 1752, per dozen pairs .....**ACJ** $2.50

No. DB1752—Dull brass finish, otherwise same as No. 1752, per dozen pairs .....**ACJ** $2.50

ONE PAIR IN A BOX, WITH SCREWS.

HINGES AND SETS.



No. 711—Lucky, 3x2½ in., loose pin, detachable, non-hold back, japanned, w't per doz. prs. 6¼ lbs., per dozen pairs .....**JIE** $1.75

The loose pin permits the door to be taken down without the use of any tools. The pin passing through the four long drawn bearings allows absolutely free action.

ONE DOZEN PAIRS IN A BOX; ONE GROSS PAIRS IN A CASE.

No. 711S—Comprising one pair No. 711 hinges with 2½ in. bright wire hook and eye and 5 in. japanned door pull with screws, per doz. sets **ADE** $2.50

ONE SET IN A BOX.

NUMERALS.



A.



B.



C.



D.

Assortments—Four assortments, A contains one each 0 to 24, B, one each 25 to 49, C, one each 50 to 74, and D, one each 75 to 99, per asst. **BC** $0.50

ONE ASSORTMENT (25 NUMBERS), IN A CARTON.

Nos. 1 to 10, each number packed separately .....per box **BC** $0.50

TWENTY-FIVE IN A BOX.

For numbering screen, storm and window sash.

They are made of brass with a little peg on under side to push into wood, similar to a thumb tack. An assortment consists of one each as designated above, so that it would be necessary to have three assortments of numbers in order to number screen, storm sash and window sash or two assortments, if for only screen and window sash.

HINGES.



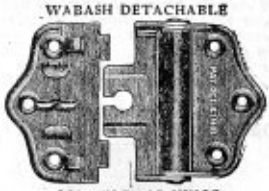
Mortise, Double Action.

No. 27—Columbia, 3 in., japanned, w't per doz. prs. 18 lbs., per dozen pairs .....**CBJ** $5.50

No. 28—Columbia, 4 in., japanned, w't per doz. prs. 30 lbs., per dozen pairs .....**EBE** $9.00

ONE-THIRD DOZEN PAIRS IN A BOX.

WABASH DETACHABLE



SCREEN DOOR HINGE

No. 240—Size 3x3½ in., japanned heavy steel, oil tempered spring, strong, durable, simple and economical, w't per doz. 8 lbs., per dozen pairs .....**ABJ** $1.60

ONE DOZEN PAIRS IN A BOX.

KATZ SCREEN DOOR HINGES.



No. 100—3 in., japanned heavy steel spring, w't per doz. prs. 10 lbs., per dozen pairs .....**BGE** $7.20

No. 107—3 in., dull brass electroplated spring, w't per doz. pairs 10 lbs., per dozen pairs .....**JDJJ** $10.50

No. 109—3 in., old copper electroplated spring, w't per doz. pairs 10 lbs., per dozen pairs .....**JDJJ** $10.50

ONE-HALF DOZEN PAIRS IN A BOX, WITH SCREWS.

SCREEN DOOR HINGES, LATCHES AND CATCHES.

SCREEN DOOR HINGES.



3x3 in., Planished Steel, w't per Doz. Prs. 3 Lbs.

No. B2000—Japanned, per dozen pairs .....JFJJ $10.80
No. B2002—Old copper finish, per dozen pairs .....JICJ 15.60
No. B2003—Dull brass finish, per dozen pairs .....JICJ 15.60

This hinge is made of heavy metal and is extremely durable. It has an adjustable tension and enclosed spiral coil spring. The tension of the spring can be regulated to close the door slow or fast after the hinge is fixed to the door.

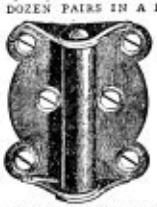
ONE PAIR IN A BOX, WITH SCREWS.



2¾x2¾ in., Wrought Steel, Without Screws, W't per Doz. Prs. 7½ Lbs.

No. 505—900—Japanned, per dozen pairs .....AJJ $1.50
No. 535—902—Bronze plated, with screws to match, per dozen pairs AHJ $2.80
No. 575—903—Old copper finish, with screws, per dozen pairs BJE $3.20
No. 585—904—Dull brass, with screws, per dozen pairs .....BJE $3.20

ONE DOZEN PAIRS IN A BOX.



2¾x2½ in., Steel, W't per Doz. Prs. 5 Lbs.

No. 950—Japanned, without screws, per dozen pairs .....JHE $1.25
No. 951—Old copper finish, with screws, per dozen pairs .....ADE $2.25
No. 952—Dull brass finish, with screws, per dozen pairs .....ADE $2.25

ONE DOZEN IN A BOX.

SCREEN DOOR SETS.

No. S950—Consisting of 1 pr. No. 950 spring hinges, one 2½ in. bright wire hook and eye, one 5 in. japanned door pull, w't per doz. sets 8 lbs., per dozen sets .....ABE $2.20

ONE SET IN A BOX.

SCREEN DOOR HINGES.



3 in., Heavy Wrought Steel, with Screws, Adjustable Tension, W't per Doz. Prs. 6 Lbs.

No. 1887—Japanned, per dozen pairs .....DCJ $7.20
No. 1889—Old copper plated, per dozen pairs .....EAJ 9.00
No. 1893—Dull brass plated, per dozen pairs .....EAJ 9.00

ONE PAIR IN A BOX.



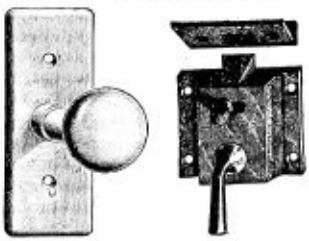
King's Adjustable Tension, Loose Pin. 3 in., Heavy Steel, Oil Tempered Spring, with Screws, W't per Doz. Prs. 8 Lbs.

No. 800—Japanned, per dozen pairs .....AGJ $3.60
No. 810—Old copper plated, per dozen pairs .....BBJ 4.80
No. 815—Dull brass plated, per dozen pairs .....BBJ 4.80

For use on any weight Screen Doors.

ONE PAIR IN AN ENVELOPE.
HALF DOZEN PAIRS IF A BOX.

SCREEN DOOR LATCHES.



With Knob and Lever Handle, Reverse Bevel Bent Strike, with Stop, for ⅞ to 1¼ Inch Doors.

No. OC115—Old copper finish, iron, per dozen .....JCHE $14.00
No. DB115—Dull or lemon brass finish, iron .....per dozen JCHE $14.00

WEIGHT 8 LBS. PER DOZEN.

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

SCREEN DOOR LATCHES.



For Doors ⅞ to 1⅜ Inches Thick.

No. 3052—2¼x1¾ in., enameled iron, with knobs and stop on latch, w't per doz. 7¼ lbs., per dozen AHJ $2.80

HALF DOZEN IN A BOX, WITH SCREWS.



Mortise, With Stop.

Size of Case 1¾x1¾ in., ½ in. Thick, Size of Front 1¾x2⅜ in., for ⅞ to 1¼ in. Doors, Back Set 1¼ in., ⅜ in. Spindle, Lever Handle for Inside, Knob for Outside.

No. P120—Bronze plated steel, per dozen sets .....JDHJ $14.40
No. OC120—Old copper finish steel, per dozen sets .....JDHJ $15.60
No. DB120—Dull or lemon brass finish steel ....per dozen sets JDHJ $16.80
No. P20—Polished cast bronze metal, per dozen sets .....AJAJ $20.40
No. OC20—Old copper finish brass, per dozen sets .....AJAJ $22.00
No. DB20—Dull or lemon brass finish, brass ....per dozen sets AJAJ $22.00

ONE SET IN A BOX, WITH SCREWS; WEIGHT ¾ LB. PER SET.

DOOR SPRINGS AND CATCHES.

DOOR SPRINGS.



Star.

No. S4—Star, 9x3¾ in., spiral, japanned, for screen doors, w't per doz. 5½ lbs., per dozen .....**JHJ** $1.50

No. S6—Star, 11x3⅞ in., spiral, japanned, for heavy doors, w't per doz. 8 lbs., per dozen .....**AAE** $2.25

No. S7—Star, 12x4⅛ in., spiral, japanned, for gates, w't per doz. 8 lbs., per dozen .....**AGJ** $3.00

ONE DOZEN IN A BOX.



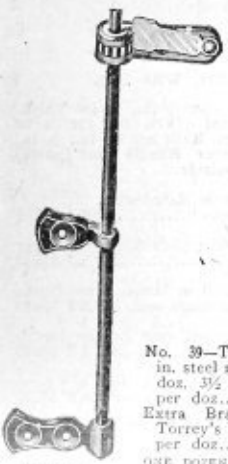
Reliance.

No. 269—Reliance, 6 in., japanned, blued spring, w't per doz. 7 lbs., per doz.**ACJ** $1.67

No. 270—Reliance, 8 in., extra quality, japanned, blued spring, w't per doz. 12 lbs., per doz.**AEJ** $2.25

No. 271—Reliance, 10 in., extra heavy quality, japanned, blued spring, w't per doz. 22 lbs., per doz.**BCE** $3.50

NO. 269, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.



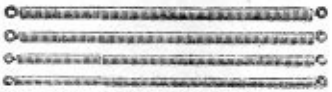
Torrey.

No. 39—Torrey's, 39 in. steel rod, w't per doz. 3½ lbs., per doz.**ADJ** $3.75

Extra Brackets, for Torrey's Rods, per doz.**AAE** $3.00

ONE DOZEN IN A BOX.

DOOR SPRINGS.



PERFECT, Crucible Steel Wire, with Loop Ends.

No. 1—17-64x16⅝ in., No. 20 wire, japanned, for screen doors, per dozen .....**JAH** $0.85

No. 2—7/32x16⅝ in., No. 19 wire, japanned, for medium doors, per dozen .....**JBJ** $0.95

No. 3—23-64x16⅝ in., No. 18 wire, japanned, for heavy doors, per dozen .....**JBE** $1.05

No. 4—¼x16⅝ in., No. 17 wire, japanned, for extra heavy doors, per dozen .....**JBE** $1.20

No. 5—13-32x16⅝ in., No. 16 wire, japanned, for extra heavy doors, per dozen .....**JCJ** $1.50

No. 6—9/32x16⅝ in., No. 16 wire, japanned, for extra heavy doors, per dozen .....**JCE** $1.65

No. 7—9-16x16⅝ in., No. 15 wire, japanned, for extra heavy doors, per dozen .....**JDJ** $1.80

No. 03—23-64x16⅝ in., No. 16 wire, nickel plated .....per dozen **JEE** $1.65

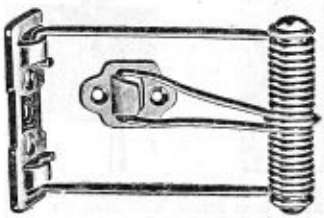
ONE DOZEN IN A BOX.

GATE SPRINGS.



No. 15—1x16 in., japanned, w't per doz. 14 lbs.....per dozen **AAE** $4.50

ONE-HALF DOZEN IN A BOX.

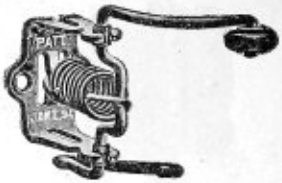


WARNER.

No. 11—5½x3 in., coppered, for screen doors, w't per doz. 4½ lbs., per dozen .....**JGJ** $1.75

ONE DOZEN IN A BOX; ONE-HALF GROSS IN A CASE.

SCREEN DOOR CATCHES.

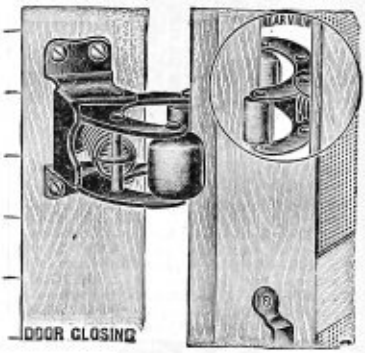


No. 00—Automatic, japanned steel, rubber rollers, with door plate, w't per doz. 1¾ lbs.....per dozen **AGE** $3.50

Applied on the door casing at the opening side of the door and can be placed anywhere along on the casing where it is necessary to bring a pressure on the door to force it closed. Remains open until the lower projection is struck by the door, releasing the spring and throwing the rubber roller against the outside of the door. Does not hinder the opening of door, and is reversible.

ONE DOZEN IN A BOX.

DOOR CATCHES.



No. 80—Superior, made of highest grade 16 and 18 gauge spring steel, securely riveted, black japanned, good quality rubber bumper, metal bushed, heavy strike plate for door, w't per doz. 3 lbs.....per dozen **ADE** $2.75

ONE DOZEN IN A BOX.

PERFECT AUTOMATIC DOOR CATCHES.



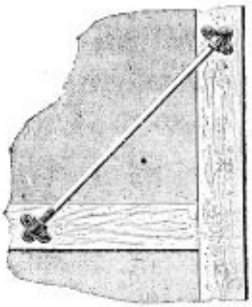
No. 01—Heavy japanned steel, rubber roller, door plate, w't per doz. 2½ lbs., per dozen .....**ADJ** $2.40

For use on screen and store doors, prevents standing ajar or sagging.

ONE DOZEN IN A BOX.

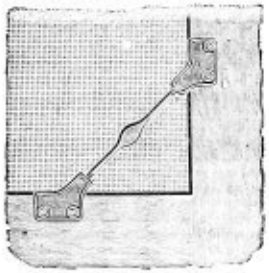
DOOR CHECKS, SPRINGS AND BRACES.

SCREEN DOOR BRACES.



No. 40—⅜ in. old copper finish steel rod length 18 in., japanned steel end plates, w't per doz. 1¼ lbs., per dozen ..... JHJ $2.90

ONE DOZEN IN A BOX, WITH SCREWS.



No. 41—Warner, 6 in., japanned, easily adjustable, w't per doz. 3 lbs., per dozen ..... JHJ $1.50

ONE DOZEN IN A BOX WITHOUT SCREWS.

No. 42—Warner, 6 in., o d copper finish, w't per doz. 3 lbs., per dozen ..... AJJ $2.0.

ONE DOZEN IN A BOX, WITH SCREWS.

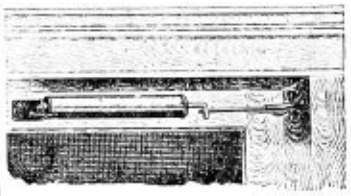


Anti-Sag, Screen Door Brace, Black Enameled Steel Wire and Turnbuckle.

Nos.	43	44
Length, in.	21	42
W't per doz., lbs.	1 5-6	3½
Per dozen	$1.60	1.75
	JIJ	JIE

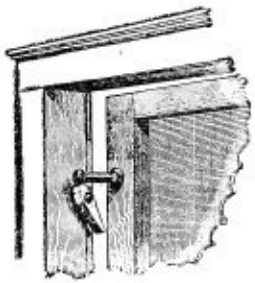
ONE DOZEN IN A BOX, WITH SCREWS.

SCREEN DOOR CHECK.



No. 38—Superior, old copper finish, seamless brass cylinder 6¼x7⅛ in., brass valve, all other parts cold rolled steel, reversible for right or left hand doors, requires only 1½ in. space between doors, w't per doz. 6 lbs., per dozen ..... JHAJ $13.50

No. 528—Dull brasss finish, otherwise same as No. 38, per doz. JHAJ $13.50

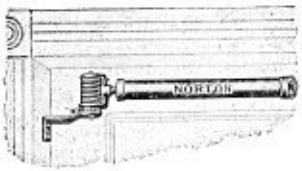


For Screen Doors Only.

No. 10—2¼ in. enameled screw knob, 2¼ in soft rubber stop, 1⅜ in. round head blued crew, w't per doz. 2 lbs., per dozen ..... AAJ $1.50

When the door is closed it throws the rubber against the door and then drops to a perpendicular position. Complete directions and diagram are packed with each check.

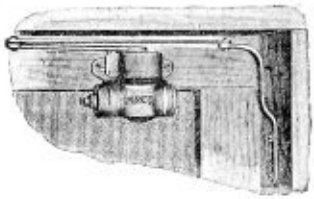
DOOR CHECK AND SPRING.



No. 40—Norton, for screens, telephone, kitchen, pantry doors and office gates, reversible for right or left hand doors, adjustable spring and check, seamless brass tube 11x1¼ in., all parts gold bronzed, easily attached and durable, w't per doz. 25 lbs., each ..... AAJ $2.00

ONE IN A BOX, WITH SCREWS AND DIRECTIONS.

DOOR CHECKS AND SPRINGS.



No. 11—Russwin, 2¾x3 in., statuary bronze finish iron and steel, for use on right and left hand doors, inside or outside, will operate between screen or storm door and house door, adjustable tension and adjustable oil check, easily applied, w't each 3¾ lbs., each ..... ACJ $2.50

Directions with each check.

ONE IN A BOX, COMPLETE WITH SCREWS.



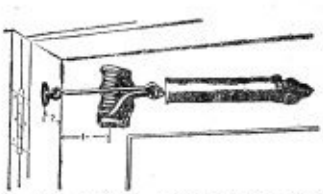
LARIMER, Oxidized Copper, Unpolished, for Either Right or Left Hand Doors.

No. L1—For heaviest inside doors not over 2 ft. 8 in. wide, w't 4¼ lbs., each ..... AHJ $2.50

No. L2—For heaviest outside doors, w't 6¾ lbs..... each BEJ $3.50

These checks and springs apply to hinge side of door only. All parts are reversible excepting coil spring, which is made right and left, one each of which is furnished with each check.

ONE IN A BOX.



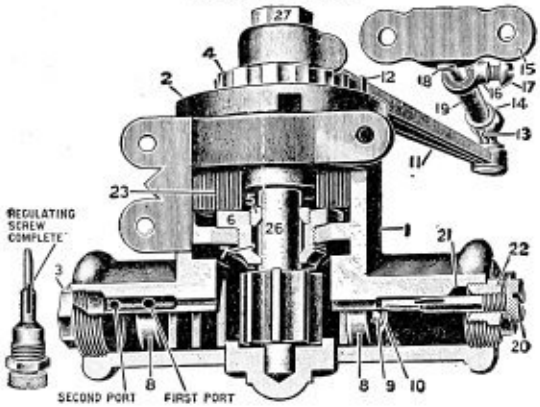
No. L0—Larimer, oxidized copper, unpolished, for either right or left hand screen or light inside doors not over 2 ft. 8 in., and ½ in. thick, w't 2lbs., each ..... JIJ $1.25

This check is adapted for the jamb side of door only. All parts are reversible. The valve principle and plunger head is so simple in construction that there is nothing about it that can get out of order. If desirous of releasing the door from the action of the spring, all that is necessary is to lift the hook out of the eye. It is easily applied and perfectly adjustable.

ONE IN A BOX.

LIQUID DOOR CHECKS.

REV-O-NOC





The REV-O-NOC Check, although reversible, should be ordered for right or left hand door as required. It is compact and simple in construction, of attractive appearance, self lubricating and easily attached, checking power and spring easily and accurately adjustable.

It has all the features of the best checks on the market, and besides has these features which the others have not—checking of the doorin in opening, making unnecessary the use of floor stops and chains, and protecting walls and furniture—the checking of the door in closing, either steadily from start to finish, or quickly to the closing point then slowly, or slowly to the closing point then quickly. The door is absolutely under control all the way. Solid steel shaft with 3 bearings, gives greater strength and prevents leakage, solid steel pinion and double acting piston, spring non-breakable and guaranteed for two years, quick grip arm connection adjusted after check is in place and double jointed arm—great strength and wearing quality of all inside working parts. Regular finish gold bronzed. We guarantee this check to be better than any other.

One in a box with full directions for attaching and regulating.

No. A REV-O-NOC—For heavy screen and light house doors.....each **BIE** $3.50

No. B REV-O-NOC—For light inside doors not over 3x7ft.x1½ in. .....each **CCE** 4.25

No. C REV-O-NOC—For heavy inside or light outside doors not over 3x7ft x2 in. each ..... **DBJ** $5.00

No. D REV-O-NOC—For outside door not over 3x8ft.x2¼ in.....each **EJE** 6.00

No. E REV-O-NOC—For outside doors not over 3½x8ft.x2½ in.....each **FGB** 8.00

No. F REV-O-NOC—For extra large and heavy doors.....each **JHDJ** 10.00

WORCESTER BLOUNT.



Worcester Blount Liquid, Gold Bronzed.

No. 1—For screen or other light doors not over 2 ft. 6 in. wide by 1¼ in. thick, w't 5 lbs.....each **BIJ** $3.25

No. 2—For outside doors not over 3 ft. wide by 1½ in. thick, w't 7½ lbs., each .....**CHJ** $4.25

No. 3—For vestibule and light outside doors not over 2 ft. 6 in. wide by 2 in. thick, w't 9 lbs.....each **DEJ** $5.00

No. 4—For outside doors not over 3 ft. wide by 2½ in. thick, w't 12 lbs., each .....**EDJ** $6.00

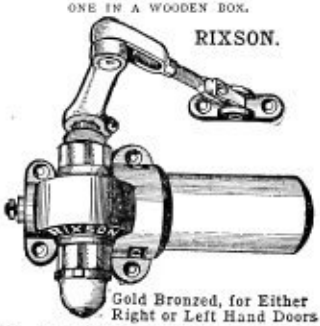
No. 5—For doors not over 4 ft. wide by 2½ in. thick, w't 16 lbs., each .....**GBJ** $8.00

No. 6—For extra heavy doors, requiring great power, w't 19 lbs., each .....**JIJJ** $10.00

While these door checks are reversible, they should be ordered for right or left hand doors as wanted. Self-lubricating, reducing friction to a minimum. Adjustable to right and left hand doors with flush or projecting trim. Checking power perfectly adjustable by simple regulator; impossible for it to bind, owing to ball and socket joint extension arms.

ONE IN A WOODEN BOX.

RIXSON.



Gold Bronzed, for Either Right or Left Hand Doors.

No. A—For inside doors not over 2 ft. 8 in. x 7 ft., w't 8 lbs., each .....**CBE** $4.25

No. B—For vestibule and light outside doors not over 2 ft. 6 in. x 7 ft., w't 9 lbs. .....each **CGE** $5.00

No. C—For outside doors not over 3x7 ft. 6 in., w't 10 lbs. ....each **DEJ** $6.00

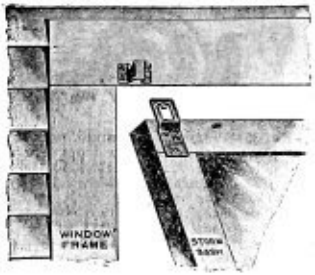
No. D—For doors not over 4x7 ft. 6 in., w't 11½ lbs. .....each **FJJ** $8.00

No. E—For extra heavy doors, w't 12½ lbs. .....each **JGEE** $10.00

It is adapted to right or left hand doors without any change in the mechanism.

The spring may be broken in several parts, yet remain effective, an important feature.

STORM SASH AND WINDOW SCREEN HANGERS.



No. 1717—Schroeder's New Peerless, japanned, packed complete with screws, four pieces to a set, w't per doz. sets 3¼ lbs.....per dozen sets **J I J** $1.50

Lower Sections, for hinges to make screen and storm sash interchangeable, w't per doz. 2 lbs., per dozen pairs .....**D G** $0.80

Not only the strongest, but also the smallest device owing to the extra depth of the hook. Easiest to hang on, because of extra large eyes. Always automatically locked until you release fastener yourself; hence, the safest hanger ever invented. No rattling because of its peculiar construction. Neatest hanger, because of its simplest appearance. Also most effective.

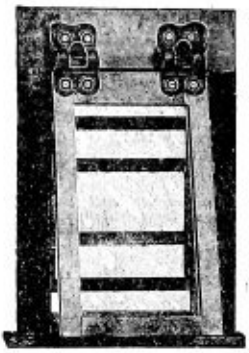
ONE DOZEN SETS IN A BOX.



No. 1724—Schroeder's Peerless, steel japanned, w't per doz. sets 2 lbs., per dozen sets .....**J F J** $1.10

Easily hung and especially adapted for full size screens.

ONE DOZEN SETS IN A BOX.



Gossett, wrought steel, japanned, w't per doz. prs. 2½ lbs., per dozen pairs .....**J H J** $1.30

Gossett Lower Sections, for hinge, to make screen and storm sash interchangeable, w't per doz. prs. 1½ lbs., per dozen pairs .....**D B** $0.70

These hangers have guide flange, a feature which no other hanger has, which brings the screen or storm sash into proper place and makes it possible to hang them from within the building. Being fastened to the top of the screen, they admit of no sagging, as when hinged on the side.

ONE DOZEN PAIRS IN A BOX, WITH SCREWS.

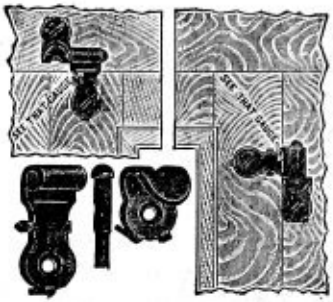
HALF SCREEN HANGERS.



No. 13—Watrous, set includes right and left hanger, escutcheon nails for attaching, hook and eye for fastening at bottom, w't per doz. sets 1 lb., per dozen sets .....**E J** $0.95

Applied in two minutes to any half screen by nailing hangers to outside of screen on either side at top, and driving small nails through the slot into the casement.

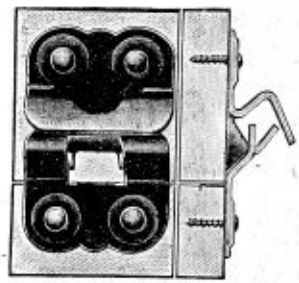
ONE DOZEN SETS IN A BOX.



No. 11—Watrous, japanned, packed complete with screws, four pieces to a set, w't per doz. sets 2½ lbs., per dozen sets .....**J I J** $1.50

A hanger that will hang either a full sized sash or screen or a half screen. Will hang from either top or side casing.

The points afford a much stiffer and more rigid grip on the wood than screws.



No. 18—Watrous, japanned, complete for hanging, w't per doz. sets 3 lbs., per dozen sets .....**J F J** $1.00

No. 181—Watrous, galvanized, otherwise same as No. 18, per dozen sets .....**J I E** $1.30

Won't blow off or be dropped off by children or careless servants. Can't be set wrong. Only sash hanger on the market with gauge lugs which makes it impossible to set it in any way but the right way. Nine-tenths of the trouble with sash hangers comes from their being set wrong. Full directions with each set.

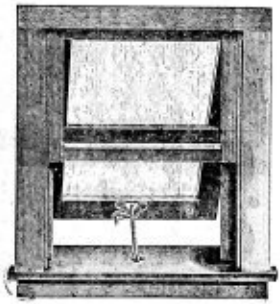
ONE DOZEN PAIRS IN A BOX, COMPLETE FOR HANGING.

Lower Parts, for No. 18, per dozen .....**C J** $0.50

Lower Parts, for No. 181, per dozen .....**E J** .60

SASH AND SCREEN HANGERS, CATCHES AND FASTENERS.

STORM SASH FASTENERS.





No. 2—Gossett, 8 in. wrought steel and No. 7 steel wire, japanned, w't per doz. 1 lb.....per dozen **DH** $0.80

Holds storm sash open for ventilation and locks it securely when closed. Does not interfere with raising or lowering of windows.

ONE DOZEN IN A BOX, WITH SCREWS.

STORM SASH HANGERS.





No. 019—Sensible, japanned steel, w't per doz. sets 2¼ lbs., per dozen sets .....**JHJ** $1.80

Extra Hooks, for attaching to screens, to interchange with storm sash, w't per doz. prs. 1¾ lbs., per dozen pairs .....**JCE** $1.00

The storm sash or screen can be hung easily from the inside of the house. The peculiar construction forms an absolute lock and prevents the window from being blown off. A set does not include fasteners.

ONE DOZEN SETS IN A BOX.

STORM SASH FASTENERS.



No. 1719—Peerless, 10 in., japanned, malleable iron, w't per doz. prs. 4½ lbs. .....per dozen pairs **AAE** $2.00

This fastener will hold the storm sash open for ventilation. When storm sash is closed the fastener automatically locks itself.

ONE DOZEN PAIRS IN A BOX.



No. 20—Sensible, 10 in., japanned steel, w't per doz. 3¾ lbs., per dozen .....**JIJ** $2.00

Holds storm sash open for ventilation. When sash is closed fastener swings around locking itself. Does not interfere with raising or lowering of window.

ONE DOZEN IN A BOX.

STORM WINDOW EYES.



No. 501¼—Sherardized, bright, 2¼ in. under head, 2¾ in. overall, w't per gro. 5¾ lbs.....per gross **ACJ** $2.20

ONE GROSS IN A BOX.

SCREEN LIFTS.



No. 51—Steel, japanned, 3 in. long, with screws, w't per gro. 4½ lbs., per gross .....**AHJ** $3.25

TWO DOZEN IN A BOX.

WINDOW SCREEN CATCHES.



No. 35—Watrous, japanned, packed complete with screws, w't per doz. 1 lb., per dozen .....**DE** $0.75

The co-operating flanges on catch and strike make a double lock, and when fastened the sash can neither be pulled out nor pulled up from casing. Locks any screen tight and fast, whether swung from hinges, hung from hinges or sliding in channels.

Light, neat and strong, takes up little space and does not interfere with the working of the window.

THREE DOZEN IN A BOX.

WINDOW SCREEN FASTENERS.



No. 1—Gossett, wrought steel and No. 7 steel wire, japanned, w't per doz. 1 lb. .....per dozen **CB** $0.55

An inside lock for screens, stronger and more secure than the ordinary screw hook and eye.

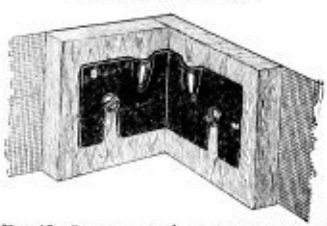
TWO DOZEN IN A BOX.

SCREEN COUPLINGS.



No. 16—Flat, steel, 2¼x1¼ in., japanned, with screws, w't per gro. 7 lbs., per gross .....**BDJ** $4.20

THREE DOZEN IN A BOX.



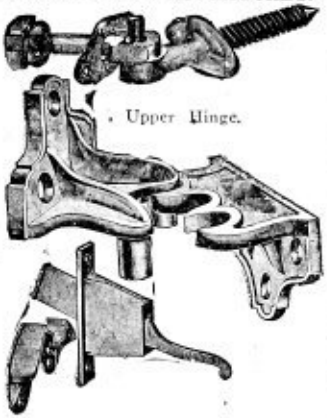
No. 15—Corners, steel, 1½x1½x1¼ in., japanned, with screws, w't per gro. 9 lbs. .....per gross **BDJ** $4.20

THREE DOZEN IN A BOX.

For putting up and fastening together porch screens, etc.

BLIND AND GATE HINGES AND LATCHES.

GATE HINGES AND LATCHES.



Upper Hinge.

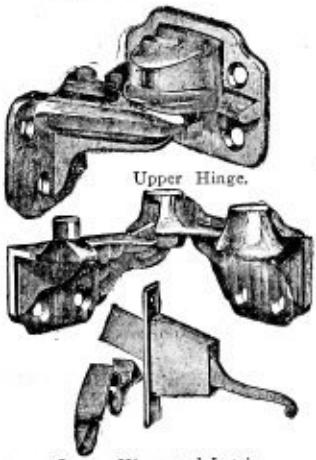
Lower Hinge and Latch.

Clark Pattern, Cast Iron, Wrought Pins and Bolts.

No. 3—Hinges and No. 2L latch complete, swings both ways, w't per doz. sets 36 lbs., per dozen sets .....**JEAJ** $12.00

No. 3 hinges are not sold separately. The No. 2L latch is furnished with the No. 3 Gate Hinge and latch set.

TWO DOZEN SETS IN A CASE.



Upper Hinge.

Lower Hinge and Latch.

Clark Pattern, Cast Iron, Wrought Pins and Bolts.

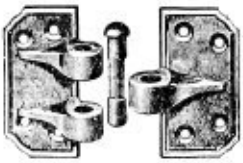
No. 2—Hinges and latch complete, swings both ways, w't per doz. sets 36 lbs.....per dozen sets **CCJ** $8.00

No. 2H—Hinge only, w't per doz. pairs 27 lbs.....per dozen pairs **BDJ** $6.00

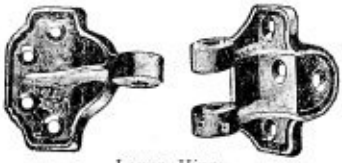
No. 2L—Latch only, w't per doz. 10 lbs.....per dozen **JIE** $2.00

NOS. 1 AND 2, TWO DOZEN SETS IN A CASE; NOS. 1H AND 2H, ONE PAIR IN A BOX; NOS. 1L AND 2L, ONE-HALF DOZEN IN A BOX.

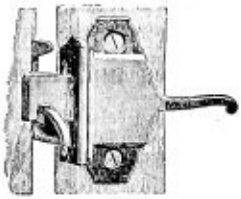
GATE HINGES AND LATCHES.



Upper Hinge.



Lower Hinge.



Latch.

Clark Pattern, Cast Iron, Wrought Pins and Bolts.

No. 1—Hinges and latch complete, swings one way, w't per doz. sets 33 lbs.....per dozen sets **BHJ** $6.00

No. 1H—Hinge only, w't per doz. prs. 24 lbs.....per dozen prs. **BBJ** $4.00

No. 1L—Latch only, w't per doz. 10 lbs., per dozen .....**JIJ**, $2.00

BLIND HINGES



Nos. 1 and 3. Nos. 50 and 65.

Clark Pattern, Cast Iron.

No. 1—2½x2 in., for wood, throws the blind 1¼ in. from casing, w't per doz. sets 14 lbs., per doz. sets **JIE** $3.50

ONE-HALF DOZEN SETS IN A BOX; SIX DOZEN IN A CASE.

No. 3—2½x3 in., for brick, throws the blind 3¼ in. from casing, w't per doz. sets 26 lbs..per doz. sets **AHJ** $6.25

ONE-THIRD DOZEN SETS IN A BOX; FOUR DOZEN IN A CASE.

BLIND FASTENERS.



No. F—Extra fasteners used in connection with Clark's and Shepard's blind hinges, w't per doz. 3 lbs., per dozen .....**CE** $0.60

ONE-QUARTER GROSS IN A BOX.

GATE LATCHES.



No. 010—St. Louis, cast iron, natural finish, for right or left hand gates, w't per doz. 6½ lbs., per dozen .....**DJ** $0.55

ONE-HALF DOZEN IN A BOX.



No. 6—"G. P.," cast iron, japanned, self-adjusting, for right or left hand gates, w't per doz. 14 lbs., per dozen .....**AGJ** $3.00

The "G. P." latch is attached to a sliding carriage which adjusts itself by means of the projection shown in the illustration. As this point comes in contact with the strike, it is raised or lowered by the angle of the strike, so that any change of position due to the weather or general sag of the gate will not affect the closing of the gate. It is absolutely hog proof.

ONE DOZEN IN A HINGED WOOD BOX, WITH SCREWS AND MOUNTED SAMPLE.

WROUGHT GOODS.

DITCHING RINGS.



No. 10—2 in. ring, 3/8x3 in. screw, wrought iron, japanned, w't per doz. 2½ lbs. .....per dozen **JDE** $1.20

No. 20—2 in. ring, 3/8x3 in. screw, wrought iron, tinned, w't per doz. 2½ lbs. .....per dozen **JEE** $1.40

ONE DOZEN IN A BOX.

AWNING HOOKS.



Wrought Steel.

No. 4—4 in., w't per gro. 11 lbs., per gross .....**AFJ** $7.00

No. 5—5 in., w't per gro. 22 lbs., per gross .....**JBJJ** $10.00

ONE-HALF GROSS IN A BOX.

SIGN HOOKS.



Wrought.

No. 80, in....	3	5	6	8
W't, doz., lbs.	3¼	1½	2	2½
Per dozen..	$1.50	1.90	2.10	2.50
	JCE	**JDJ**	**JDE**	**JEE**

3 IN., ONE DOZEN IN A BOX; 5 AND 6 IN., SIX DOZEN IN A BOX; 8 IN., THREE DOZEN IN A BOX.

ROPE CLEATS.



No. 1—4½ in., malleable iron, galvanized, w't per doz. 9 oz., per dozen .....**CJ** $0.80

No. 3—6 in., malleable iron, galvanized, w't per doz. 1½ lbs., per dozen .....**JDJ** $1.50

ONE DOZEN IN A BOX.

HASPS, HOOKS AND STAPLES.



Wrought Iron, with Wrought Double Hook.

No. 15—Inches.....	5	6	7
W't per doz., in....	2¼	2¾	3½
Per dozen	$1.20	1.40	1.60
	JAE	**JBJ**	**JBJ**
No. 15—Inches	8	10	
W't per doz., lbs.....	3¾	5¼	
Per dozen	$1.80	2.50	
	JBE	**JCE**	



Stanley, Extra Heavy Wrought Iron, Malleable Double Hook.

No. 18—8 in., width 1 in., ¼ in. thick, w't per doz. 7½ lbs., per dozen .....**JIJ** $6.00

No. 20—10 in., width 1 in., ¼ in. thick, w't per doz. 9 lbs., per dozen .....**AAJ** $7.00

ONE DOZEN IN A BOX.

HASPS AND STAPLES.

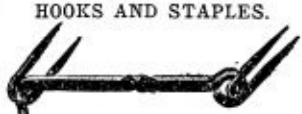


Wrought Iron.

No. 10—Inches	5	6
W't per doz., lbs.....	1½	2
Per dozen	$0.90	1.00
	AJ	**JAB**
No. 10—Inches	7	8
W't per doz., lbs.....	2¼	3
Per dozen	$1.10	1.30
	JAC	**JAE**

ONE DOZEN IN A BOX.

HOOKS AND STAPLES.



Wrought Iron, Unpolished.

No. 50—Inches	4	4½
W't per gro., lbs.....	14	15½
Per gross	$10.00	11.00
	AGJ	**AIJ**
No. 50—Inches	5	6
W't per gro., lbs.....	22½	27½
Per gross	$12.00	14.00
	BJE	**BDJ**



Extra Heavy Round Iron.

No. 54—4 in., bright, diam. ¼ in., w't per gross 20 lbs., per gro. **BAJ** $5.00

No. 55—5 in., bright, diam. 5/16 in., w't per gro. 36 lbs., per gro. **CCJ** $5.25

No. 56—6 in., bright, diam. 5/16 in., w't per gro. 39 lbs., per gro. **CIJ** $5.60

ONE-QUARTER GROSS IN A BOX.

GATE HOOKS.



Safety, Malleable Iron, Tinned, Wrought Staples, Spring Catch.

Nos.	104	105	106
Length, in.	4	5	6
W't, gro., lbs,.	24	30	36
Per gross	$13.00	14.00	17.00
	JGBJ	**JHAJ**	**JICJ**

ONE QUARTER GROSS IN A BOX.



No. 1—Buffum, Proctor Pattern, 4½ in. wrought iron, w't per gro. 48 lbs., per gross .....**JIJJ** $15.00

No. 2—Buffum, Proctor Pattern, 7½ in. wrought iron, w't per gro. 56 lbs., per gross .....**AJHJ** $18.00

ONE TWELFTH GROSS IN A BOX.

WROUGHT STAPLES.

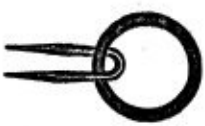


Steel Wire, Square Machine Pointed.

Inches	1	1¼	1½
W't per gro., lbs...	1	1¼	1½
Per gross	$1.20	1.22	1.25
	JAG	**JAH**	**JAI**
Inches	2	2½	3
W't per gro., lbs...	2½	4	6
Per gross	$1.70	2.35	3.20
	JBE	**JCC**	**JDC**
Inches	3½	4	
W't per gro., lbs.....	11	12	
Per gross	$3.70	5.25	
	JEJ	**JGE**	

1 TO 1½ IN., ONE GROSS; BALANCE, ONE-HALF GROSS IN A BOX.

TRAP DOOR RINGS AND STAPLES.



Wrought Iron, Unpolished.

No. 5—Diameter of ring..	2	2½	3
W't, gro., lbs..	16	22	28½
Per gross	$16.00	19.00	26.00
	BFJ	**CAJ**	**DBJ**

ONE QUARTER GROSS IN A BOX.

WROUGHT STEEL HINGES AND HINGE HASPS.

HINGES.



Light Strap.

Length, in.	3	4	5	6	8	10
Size of screws	6	7	8	9	10	10
No. of screw holes	6	6	8	8	8	8
No. in bbl., doz.	200	175	100	90	45	35
W't per doz. prs., lbs.	2½	3½	5¼	8¾	15¼	21½
Per doz. prs.	$0.85	1.10	1.35	1.70	2.40	3.30
	BH	JCF	JDC	JED	JGG	AJF



Heavy Strap.

Length, in.	4	5	6	8	10	12	14
Size of screws	9	9	11	12	13	14	16
No. of screw holes	6	8	8	8	8	10	10
No. in bbl., doz.	100	80	40	20	12	9	7
W't per doz. prs., lbs.	5½	10¼	18½	32	51¼	74	84
Per doz. prs.	$1.60	2.15	2.80	4.50	6.80	10.40	12.20
	JDE	JFJ	JHJ	ACJ	AIE	JBIE	JCDE



Light T.

Length in.	3	4	5	6	8	10
Size of screws	6	7	8	8	9	10
No. of screw holes	6	6	7	7	7	8
No. in bbl., doz.	175	150	100	80	50	30
W't per doz. prs., lbs.	2¼	3¼	5¼	6½	11½	16½
Per doz. prs.	$0.75	.80	1.00	1.20	1.50	2.20
	CJ	CJ	JDJ	JEJ	JFJ	JIJ



Heavy T.

Length, in.	4	5	6	8	10
Size of screws	8	8	9	10	11
No. of screw holes	6	7	7	7	8
No. in barrel, doz.	100	85	65	45	30
W't per doz. prs., lbs.	4¼	6¼	9¼	12¼	14¼
Per doz. prs.	$0.90	1.05	1.25	1.55	2.30
	EJ	JFJ	JGJ	JHE	ACJ

HINGES.



Extra Heavy T.

Length, in.	4	5	6	8	10	12
Size of screws	10	11	12	13	16	17
No. of screw holes	6	8	8	8	9	10
W't per doz. prs., lbs.	8	11½	20½	34¼	55	77½
Per doz. prs.	$1.80	2.45	3.00	5.00	7.40	10.70
	JEH	JHJ	JIE	AFJ	BDJ	CDE



McKinney, Corrugated, Heavy Strap.

No. 804—Length, in.	4	5	6	8	10	12
Size of screws	9	9	11	12	13	14
No. of screw holes	6	8	8	8	8	10
W't per doz. prs., lbs.	8	8	14	25	37	60
Per doz. prs.	$1.60	2.15	2.80	4.50	6.80	10.40
	JDE	JFJ	JHJ	ACJ	AIE	BIE



McKinney, Corrugated, Extra Heavy T.

No. 810—Length, in.	4	5	6	8	10
Size of screws	9	10	11	13	14
No. of screw holes	6	8	8	9	10
W't per doz. prs., lbs.	6	10	16	27	40
Per doz. prs.	$1.80	2.45	3.00	5.00	7.40
	JFJ	JHE	AJE	AGJ	BEE

HINGE HASPS.



Bright.

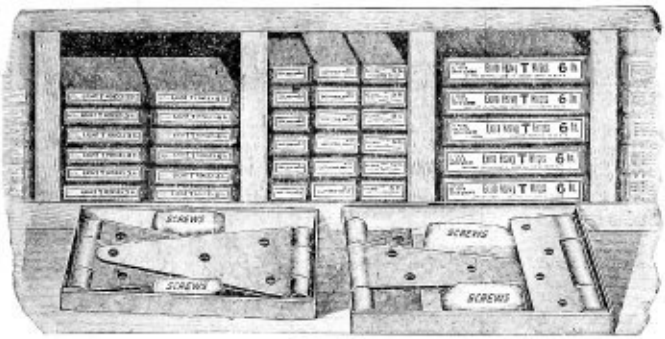
Length, in.	3	4	6	8	10
W't per doz., lbs.	2	2¼	5	8½	11
Per doz. (single)	$0.50	.60	.80	1.05	1.50
	CE	DJ	EE	JGJ	AJE
Staples and Plates, per doz.	$0.20	.20	.23	.30	.38
	AF	AF	AH	BD	CJ

ALL HINGES ON THIS PAGE ONE-QUARTER DOZEN IN A BUNDLE.

THE SIZE GIVEN ON ALL THE ABOVE HINGES IS THE DISTANCE FROM PIN TO THE FARTHEST TIP.

WROUGHT STEEL HINGES.

COMMON STRAP AND T HINGES.



Light T.

No. 805—Length, in.	3	4	5	6
Prs. in a case	250	250	250	250
W't per case, lbs.	70	80	138	158
Dz. prs.	$0.82	.87	1.13	1.27
	DI	EA	JFI	JGF

Heavy T.

No. 807—Length, in.	4	5	6	8	10
Prs. in a case	200	200	200	100	100
W't per case, lbs.	100	133	183	120	180
Doz. prs.	$1.65	1.90	2.31	3.00	4.29
	AJE	ABJ	ADE	AHJ	BGJ

Light Strap.

No. 801—Length, in.	3	4	5	6	8
Prs. in a case	250	250	200	100	100
W't per case, lbs.	62	82	131	163	140
Doz. prs.	$0.90	1.08	1.32	1.56	1.98
	JEH	JFI	JHD	AJJ	ABE

Heavy Strap.

No. 103—Length, in.	4	5	6	8	10	12
Prs. in a case	250	200	100	50	50	25
W't per case, lbs.	132	190	175	148	228	166
Doz. prs.	$1.20	1.65	1.98	2.85	4.62	6.84
	JGF	AJE	ABE	AHJ	BIJ	DCJ

Extra Heavy T.

No. 809—Length, in.	4	5	6	8	10	12
Prs. in a case	200	100	100	50	50	25
W't per case, lbs.	158	113	190	162	253	177
Doz. prs.	$1.80	2.32	2.80	4.29	6.06	8.58
	AAH	AEJ	AGE	BGJ	CHJ	EDJ

ONE PAIR IN A BOX, WITH SCREWS.

HINGE HASPS.

No. 813—Length, in.	3	4	6	8
Prs. in a case	250	250	200	100
W't per case, lbs.	50	60	95	80
Per doz.	$0.84	1.05	1.40	1.82
	EJ	JFB	JHB	AAJ

ONE IN A BOX, WITH SCREWS.

HASPS AND STAPLES.



No. 85.



No. 925.

No. 85—PERFECT, 8 in., wrought steel, w't per doz. 4 lbs. .....per dozen **JEJ** $2.75
No. 86—PERFECT, 10 in., wrought steel, w't per doz. 6¾ lbs. .....per dozen **JEE** 3.00
No. 925—Steel double hinge "Safety," 2½ in. between center of hinges, 1⅝ in. wide at joints, screw holes concealed when locked, takes No. 9 screws, w't per doz. 6½ lbs., per dozen .....**ADE** $7.15
For boxes, tool chests, lockers, etc.

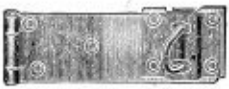
ONE-HALF DOZEN IN A BOX WITHOUT SCREWS.

HASPS.



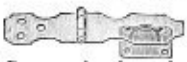
No. 930—3¼ in. Hasps, 5 in. over all, Japanned with screws, w't per doz. 2 lbs. .....per dozen **JGJ** $1.25
No. 931—Brass plated, w't per doz. 2 lbs., otherwise same as No. 930, per dozen .....**ABJ** $2.00

HINGE HASPS.



Wrought Steel, Concealed Screw Holes.

No. 915—Length of strap, in.	3	4½	6
W't per doz., lbs.	3	4	8½
Per doz.	$0.90	1.20	1.70
	EF	JHJ	ABJ



No. 349—Bronze plated steel, 2¼ in., light, w't per doz. 1 lb., per dozen—single .....**JFJ** $1.25

ONE DOZEN IN A BOX. WITH SCREWS.

SCREW HOOK AND STRAP.



Length, in.	6	8	10
Diam. of hook, in.	½	½	⅝
W't, doz. prs., lbs.	25	27	52
Per doz. prs.	$1.90	2.08	3.96
	AAJ	AAE	BBE
Length, in.	12	14	16
Diam. of hook, in.	⅝	¾	¾
W't, doz. prs., lbs.	58	72	79
Per doz. prs.	$4.40	5.40	5.56
	BDJ	BHJ	CCE
Length, in.	18	20	
Diam. of hook, in.	¼	⅝	
W't per doz. prs., lbs.	96	120	
Per doz. prs.	$6.70	7.72	
	DAE	DIJ	
Length, in.	22	24	
Diam. of hook, in.	⅞	⅞	
W't per doz. prs, lbs.	127	170	
Per doz. prs.	$8.00	10.72	
	EDJ	FEE	

SCREW HOOK AND EYE.



Length, in.	5	6	6½
Diam., in.	½	⅝	¾
W't per doz. prs., lbs.	13½	26	45
Per doz. prs.	$2.80	4.50	6.20
	BJJ	BFJ	CCE

Hooks Only.

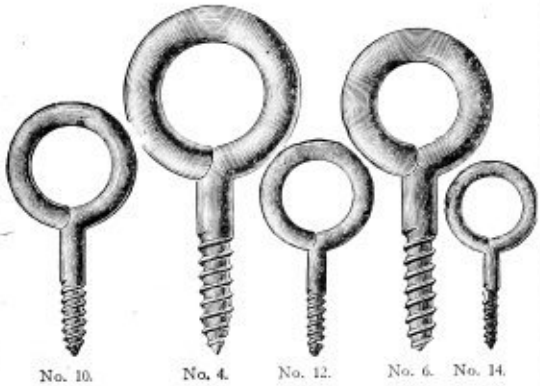
Length, in.	5	6	6½
Diam., in.	½	⅝	¾
W't per doz., lbs.	3⅞	8	12¾
Per doz.	$0.84	1.26	1.70
	EJ	JHJ	AJE

BRIGHT WIRE AND BRASS SCREW EYES.

Cuts full size.



No. 0. No. 8. No. 2.



No. 10. No. 4. No. 12. No. 6. No. 14.

Bright Wire.

		Per Gross.
No. 000	JCAJ	$40.00
No. 00	JBCE	30.00
No. 0	JABE	16.00
No. 1	JAJJ	13.00
No. 2	JJHE	11.00
No. 3	JGJ	9.00
No. 4	JEE	$7.00
No. 5	JDE	5.80
No. 6	JCE	4.50

Bright Wire.

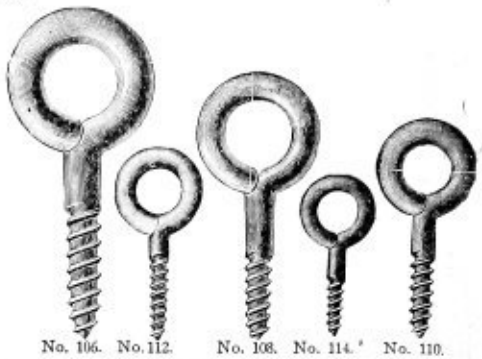
		Per Gross.
No. 7	JCJ	3.80
No. 8	JBE	3.30
No. 9	JBB	2.80
No. 10	JAI	$2.50
No. 11	JAF	2.00
No. 12	JAC	1.70
No. 13	JAB	1.50
No. 14	JAB	1.50

Brass.

		Per Gross.
No. 1002	JFCJ	$48.00
No. 1004	JCIE	30.00
No. 1006	JBGE	21.00
No. 1007	JBAJ	16.00
No. 1008	JAGJ	13.00

Brass.

		Per Gross.
No. 1009	JACJ	10.00
No. 1011	JIB	7.00
No. 1012	JGE	5.50
No. 1013	JFJ	4.50
No. 1014	JDE	3.50



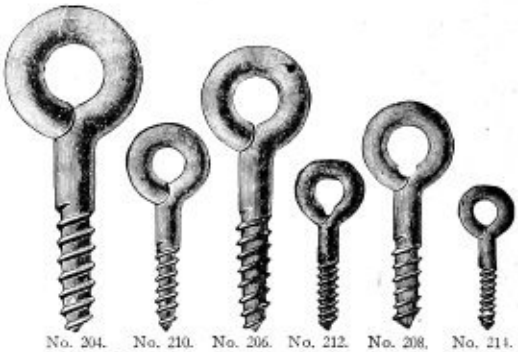
No. 106. No. 112. No. 108. No. 114. No. 110.

Bright Wire.

		Per Gross.
No. 106	JCE	$4.50
No. 107	JCJ	3.80
No. 108	JBE	3.30
No. 109	JBB	2.80
No. 110	JAI	2.50
No. 111	JAE	$2.00
No. 112	JAC	1.70
No. 113	JAB	1.50
No. 114	JAB	1.50

Brass.

		Per Gross.
No. 1106	JBGE	$21.00
No. 1107	JBAJ	16.00
No. 1108	JAGJ	13.00
No. 1109	JACJ	10.00
No. 1110	AAE	9.00
No. 1111	JIB	$7.00
No. 1112	JGJ	5.50
No. 1113	JEI	4.50
No. 1114	JDE	3.50



No. 204. No. 210. No. 206. No. 212. No. 208. No. 214.

Bright Wire.

		Per Gross.
No. 204	JEE	$7.00
No. 205	JDE	5.80
No. 206	JCE	4.50
No. 207	JCJ	3.80
No. 208	JBE	3.30
No. 209	JBB	2.80
No. 210	JAI	$2.50
No. 211	JAF	2.00
No. 212	JAC	1.70
No. 213	JAB	1.50
No. 214	JAB	1.50



Bird Cage—Bright Wire.

		Per Gross.
No. 218	JBE	$3.20

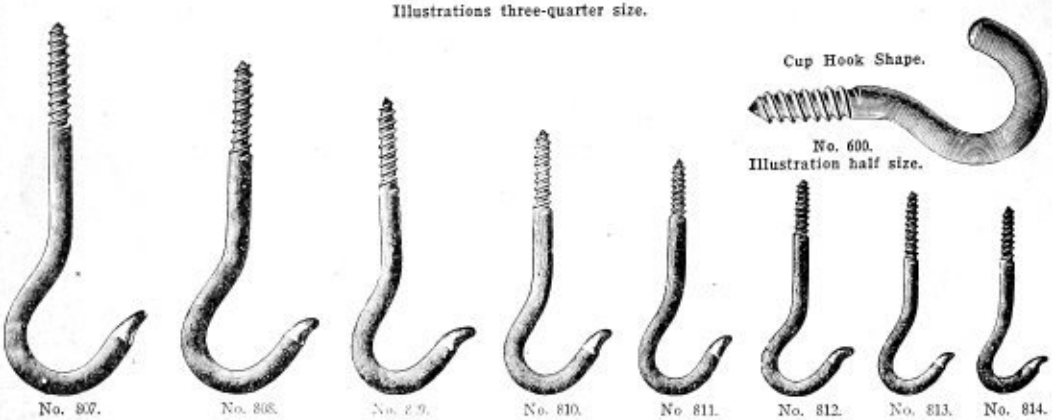
Picture Frame—Bright Wire.

		Per Gross.
No. 214½	JAB	$1.50
No. 216½	JAB	1.50

000 TO 2 INCLUSIVE, ONE-HALF GROSS IN A BOX; BALANCE, ONE GROSS IN A BOX.

BRIGHT WIRE AND BRASS SCREW HOOKS.

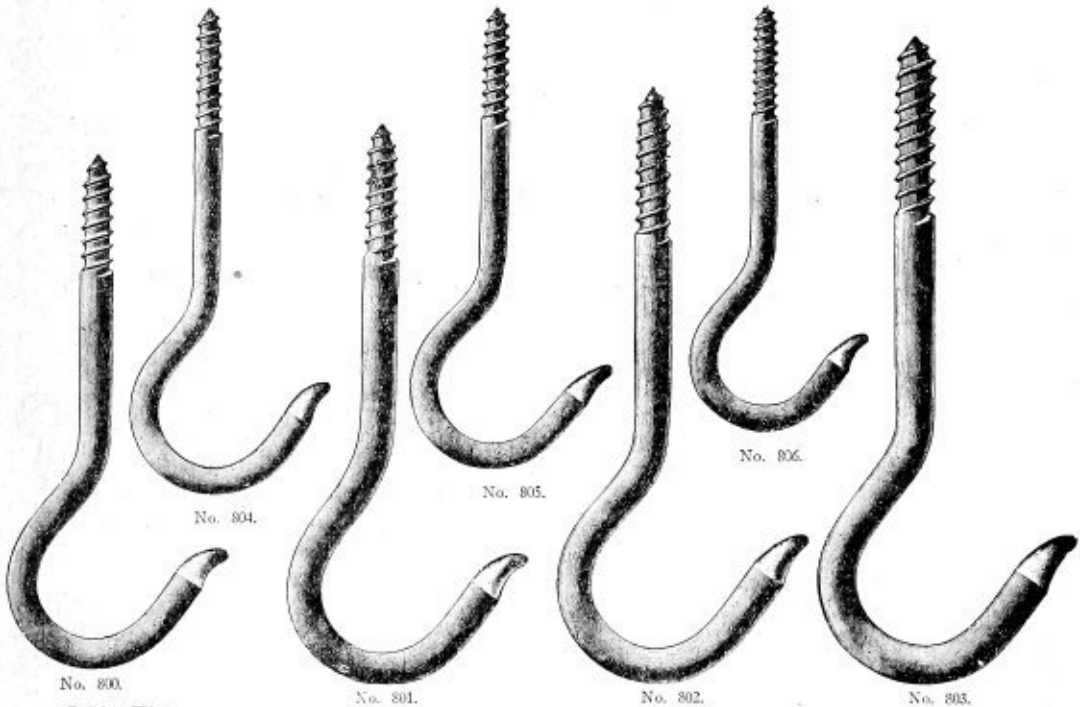
Illustrations three-quarter size.



No. 807. No. 808. No. 809. No. 810. No. 811. No. 812. No. 813. No. 814.

Cup Hook Shape.

No. 600.
Illustration half size.



No. 804. No. 805. No. 806.

No. 800. No. 801. No. 802. No. 803.

Bright Wire.

		Per Gro.
No. 600	JAFE	$21.00
No. 800	JAFE	21.00
No. 801	JADJ	18.00
No. 802	JAAH	15.00
No. 803	JJIG	12.50
No. 804	JJGH	10.00
No. 805	JFB	8.00
No. 806	JDG	6.00
No. 807	JCE	4.50

Bright Wire.

		Per Gro.
No. 808	JCA	$4.00
No. 809	JBH	3.50
No. 810	JBE	3.00
No. 811	JBB	2.80
No. 812	JAI	2.50
No. 813	JAH	2.30
No. 814	JAF	2.00

Brass.

		Per Gro.
No. 1806	JCIE	$30.00
No. 1807	JBGE	21.00
No. 1808	JAIE	15.00
No. 1809	JAEE	12.00
No. 1810	JACJ	10.00

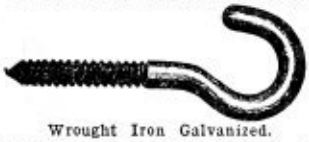
Brass.

		Per Gro.
No. 1811	AJE	$8.00
No. 1812	JHE	6.50
No. 1813	JFE	5.00
No. 1814	JEE	4.00

ONE GROSS IN A BOX.

SCREW HOOKS AND EYES AND EYE BOLTS.

GALVANIZED SCREW HOOKS.

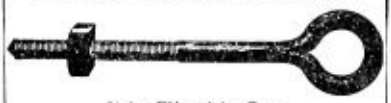


Wrought Iron Galvanized.

No. 322—4½ in., diameter of wire ⅞ in., per gross ..... J F B E $16.20
No. 322-A—5 in., diameter of wire ⅛ in., per gross ..... J F C J $18.00

ONE DOZEN IN A BOX.

BLACK EYE BOLTS WITH NUT.



⅜ in. Wire, 1 in. Eye.

In.	4	6	8
Length thread in.	1¼	2	2½
Per gross	$12.50	13.50	15.00
	J F C J	J H A J	J I J J

ONE DOZEN IN A BOX.

GALVANIZED SCREW EYE.



Wrought Iron Galvanized.

No. 011—$\frac{5}{16}$x3½ in., per gross ..... J G I J $20.40
No 011-A—⅜x4 in., per gross ..... J I C J 24.00

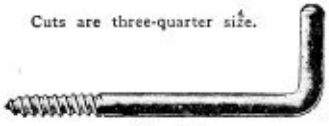
ONE DOZEN IN A BOX.

BRIGHT WIRE AND BRASS SCREW HOOKS.

Cuts are three-quarter size.



No. 906.



No. 907.



No. 908.



No. 909.



No. 910.



No. 911.



No. 912.

BRIGHT, SQUARE SCREW HOOKS.

Nos.	906	907	908	909	910	911	912
W't per gro., lbs	3½	3	2½	1¼	1¼	1	¾
Per gross	$6.00	4.50	4.00	3.50	3.00	2.80	2.50
	J D E	J C E	J C A	J C J	J B E	J B C	J B B

BRASS, SQUARE SCREW HOOKS.

Nos.	1906	1908	1912
W't per gro., lbs.	3½	2½	¾
Per gross	$30.00	15.00	6.50
	C I E	A H E	J H E

ONE GROSS IN A BOX.

BRIGHT WIRE CORNICE HOOKS AND EYES.



Length, in.	3½	4	5	6	8
W't pe gro., lbs.	8½	9½	11	12	18
Per gross	$20.00	20.00	23.00	26.00	30.00
	J A E E	J A E E	J A G E	J B J J	J B C J

ONE-HALF GROSS IN A BOX.

BRIGHT WIRE AND BRASS GATE HOOKS AND EYES.



BRIGHT WIRE

No. 40—Length, in.	1	1½	2	2½	3	3½	4	4½	5	6	10	12
W't per gro., lbs.	1½	3½	5	6½	9	11	13	15	16	21	27	33
Per gross	$6.50	6.50	8.00	10.00	12.00	14.50	17.00	20.00	24.00	30.00	42.00	48.00
	J E J	J E J	J F J	J J G E	J J I E	J A A J	J A C E	J A E E	J A H E	J B C J	J C B E	J C F E

BRASS.

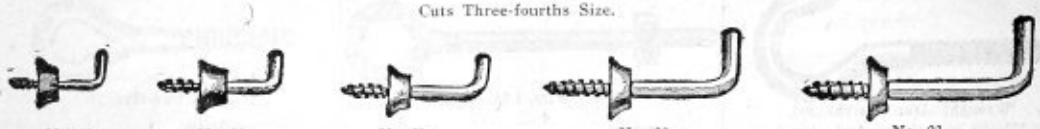
No. 1040—Length, in.	1	1½	2	2½	3	3½	4	12
W't per gro., lbs.	1½	3½	5	6½	9	12	13	33
Per gross	$24.00	24.00	30.00	36.00	46.00	58.00	64.00	170.00
	J C A E	J C A E	J C I E	J D G E	J F J E	J G F J	J H D J	B B C J

1 TO 4 IN. AND 10 AND 12 IN., ONE-HALF GROSS; 4½ TO 6 IN., ONE-QUARTER GROSS IN A BOX.

BRASS SCREW HOOKS.

SHOULDERED SQUARE.

Cuts Three-fourths Size.



No. 19. No. 20. No. 21. No. 22. No. 23.

Nos.	19	20	21	21½	22	23	24
Length, in.	½	⅝	¾	⅞	1	1¼	1½
Wt per gro., lbs.	¼	½	⅝	¾	1⅛	1½	2¼
Per gross	$3.75	3.85	4.00	4.50	5.25	9.00	11.00
	JFG	JFH	JGB	JHJ	JIE	AFJ	JBJJ

The size given is the length exclusive of screw.

ONE GROSS IN A BOX.

CUP.



No. 00. No. 0. No. 1. No. 2.

Nos.	000	00	0	0½	1	2	3
Length, in.	½	⅝	¾	⅞	1	1⅛	1¼
Wt per gro., lbs.	⅛	½	⅝	1	1¼	1⅜	1½
Per gross	$3.75	3.85	4.00	4.50	5.25	7.00	9.00
	JFG	JFH	JGB	JHJ	JIE	ABE	AFJ

The size given is the length exclusive of screw.

ONE GROSS IN A BOX.

HOOKS AND EYES.

POLISHED IRON.

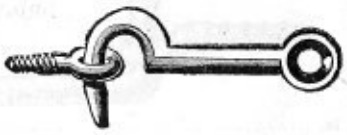


Right or Left Hand.

No. 140—Length, in.	1½	2	2½	3
Wt per gro., lbs.	1½	2	3½	5
Per gross	$1.50	2.00	2.75	3.75
	JFJ	JHJ	AJE	ADE

ONE GROSS IN A BOX.

BRASS.



Right or Left Hand.

No. 50—Length, in.	1⅜	2	2½
Wt per gro., lbs.	1½	2½	3¼
Per gross	$3.50	4.75	6.50
	BDJ	CCJ	DBJ

ONE GROSS IN A BOX.

CABIN DOOR.

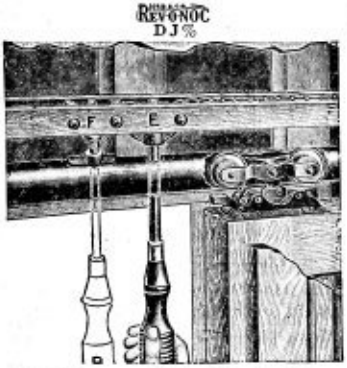


No. 763—3 in., polished brass, weight per dozen 4¼ lbs.....per dozen **BDJ** $3.00

The size given is the distance between center of eyes.

THREE DOZEN IN A BOX.

PARLOR DOOR HANGERS AND FIXTURES.



Steel Hanger and Plate, Two Indestructible, Wide Thread, Noiseless, Roller Bearing Wheels, 14 Gauge Steel Track, 2¼ Inches Inside, with Wood Headers, Adjustable Both in the Hanger and in the Track without Removing the Door, W't of Hanger per Pair 4¼ Lbs.

Track per Foot 2 Lbs.

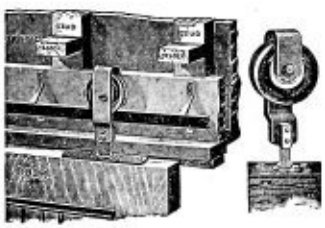
Single Doors.

No.	Opening Ft.	Per Set.	No.	Opening Ft.	Per Set.
212½	2½	$3.80	215	5	$5.00
213	3	3.80	215½	5½	5.30★
213½	3½	4.10	216	6	5.60★
214	4	4.40	216½	6½	5.90★
214½	4½	4.70	217	7	6.20★

Double Doors.

No.	Opening Ft.	Per Set.	No.	Opening Ft.	Per Set.
224	4	$7.60★	226½	6½	$7.90★
224½	4½	7.60★	227	7	8.20
225	5	7.60	227½	7½	8.50★
225½	5½	7.60	228	8	8.80
226	6	7.60			

LANE'S NEW MODEL.



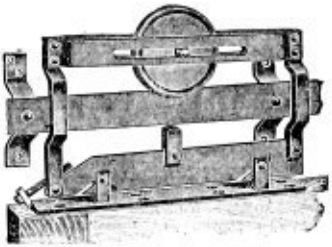
Roller Bearings, Japanned, Single Steel Track.

No. 800—Full set for double doors, w't per set 29 lbs.....per set **CCE** $5.00
No. 810—Half set for single door, w't per set 15½ lbs....per set **AGE** $2.50
Extra Track, w't per ft. 1 lb., per foot .....**JF** $0.09

A set consists of four hangers, 14 ft. of track, gravity stops, striking plates and floor plates. Half set has 8 ft. of track.

ONE SET IN A BOX.

LANE'S STANDARD.



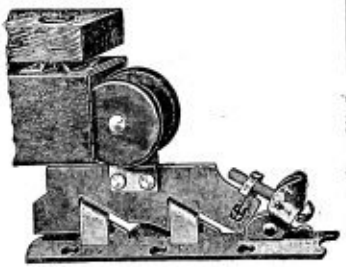
Anti-Friction, Single Track.

No. 700—Full set for double doors, w't per set 37 lbs.....per set **CIE** $6.00
No. 710—Half set for single door, w't per set 19 lbs.....per set **BJE** $3.00
Extra Track, w't per ft. 1 lb., per foot .....**JF** $0.09

A set consists of four hangers, 14 ft. of track, gravity stops, striking plates and floor plates. Half set has 8 ft. of track.

ONE SET IN A BOX.

WILCOX TROLLEY HANGERS.



Double Noiseless Ball Bearing Fibre Wheels, Adjustable Double Steel Track for Double Doors.

Nos.	25	25½	26
Opening, ft.	5	5½	6
Per set	$6.00	6.00	6.00
	CFJ	**CFJ**	**CFJ**

Double Noiseless Ball Bearing Fibre Wheels, Adjustable Double Steel Track for Single Doors.

Nos.	13½	14	14½	15
Opening, ft.	3½	4	4½	5
Per set	$3.25	3.50	3.75	4.00
	AIE	**BAJ**	**BBE**	**BDJ**

The hangers are made entirely of steel, are fitted with noiseless vulcanized fibre wheels, full ball bearing; the track is formed from sheet steel and is adjustable.

A set consists of two pieces of trolley track, with wood headers, one stop, four pendants and wheels, four plates, four set screws and two floor guides.

Average weight per set for double doors 32 lbs., or single doors 19 lbs.

ONE SET IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

PROUTY CUSHION.



All Steel, Hardened Shaft, Hard Maple Rail.

No. 900—Full set for double doors, w't per set 25 lbs.....per set **CDJ** $7.00

No. 910—Half set for single door, w't per set 18 lbs.....per set **AGJ** $3.50

Extra Track, for Nos. 900 and 910, per foot .....**AJ** $0.16

14 ft. of steel track with full set, 8 ft. of track with half set.

ONE SET IN A BOX.

DOOR HOLDERS.



BROHARD.

No. 1—Enameled steel spring, rubber foot, for light doors, w't per doz. 5 lbs.....per dozen **AHJ** $3.00

No. 2—Enameled steel spring, rubber foot, for heavy doors, w't per doz. 8 lbs.....per dozen **CFJ** $6.00

FIRE DOOR HANGERS, DOOR STOPS AND HOLDERS.

WILCOX FIRE DOOR HANGERS AND TRACK.



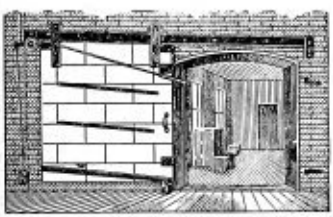
No. A501.



No. 645.

No. A501—Hangers, wrought steel, 4 in. malleable iron wheels, with roller bearing, entire length 21 in., japanned, w't per pair 26 lbs., per pair★ .....**BFE** $4.10

No. A501—Track, flat steel, 3½x¾ in., with brackets★ ....per foot **BF** $0.40



No. A501—Fixtures for use with No. A501 or No. 645 hangers and track, w't 87 lbs.★ .....per set **JGGE** $12.00

No. 645—Hangers, malleable iron, 4 in. wheels, roller bearing, entire length 21 in., japanned, w't per pair 20 lbs., per pair★ .....**CAJ** $4.75

No. 645—Track, tubular steel with brackets 2 feet apart★....per foot **BB** $0.33

Extra Bracket End, No. 645 hangers, each★ .....**AD** $0.21

A set of automatic fire door fixtures consists of everything necessary to hang a door, with the exception of hangers, track, brackets and wall bolts, including 16 pounds of counter balance weight, two fusible links, two small pulleys, weight holder, cast wedge, expansion screw eyes, guide roller, link bracket, two half oval strips, two flat strips for front door, eight steel bumper shoes, guide roller strip, two wall binders, front door stop to attach to track, rope pulley and back stop to attach to track, release trigger, flush door pull, steel handle, No. 6 sash cord. The illustration shows the arrangement of automatic device provided with two fusible links, one constantly in the opening is exposed from both sides, and one is near ceiling; if either link fuses, the door is released. Underwriters require two hangers for doors up to 6 ft., and three hangers for doors over 6 feet.

In ordering, give kind of door and width of opening, doors must overlap opening 4 inches on each side, state whether doors are right or left hand. The above cut shows a left hand door.

BASE KNOBS.



Wrought Steel, Rubber Tip.

No. P143—3 in., plain bronze plated steel .....per dozen **AAJ** $2.00
No. N143—Nickel plated, otherwise same as No. P143, per doz. **ABE** $3.00
No. OC143—3 in., old copper plated steel .....per dozen **AAJ** $2.00
No. F143—3 in., Bower-Barff steel, per dozen .....**ABE** $3.00
No. DB143—3 in., dull or lemon brass plated steel ....per dozen **AAJ** $2.00
ONE DOZEN IN A BOX. W'T PER DOZ. 1½ LBS.



Rubber Tipped.

No. 42—2½ in., maple, per gross .....**AHE** $3.00
No. 43—3 in., maple, per gross .....**BJJ** 3.36
No. 49—2½ in., oak, per gross .....**BIJ** 3.84
ONE-QUARTER GROSS IN A BOX, W'T 1 LB.

FLOOR DOOR STOPS.



No. OC344—Old copper finish iron, rubber tip, height 1⅝ in., w't per doz. 2 lbs. .....per dozen **JIJ** $1.50
No. DB344—Dull brass finish, otherwise same as No. OC344, per dozen .....**JIJ** $1.50
ONE DOZEN IN A BOX.

DOOR HOLDERS.



Something new, no side cavs, only one screw visible. A bracket affixes the holder immovable to the door, and gives symmetry, simplicity and beauty to its lines. Warranted to hold on the smoothest floor.

"CALDWELL" JUNIOR, Length 4½ Inches.

No. 301—Amber bronzed, per dozen .....**BEJ** $3.00
No. 303—Plain bronze plated, per dozen .....**DFJ** 5.50
No. 303½—Old copper plated, per dozen .....**DFJ** 5.50
No. 303-B—Lemon brass plated, per dozen .....**DFJ** 5.50
No. 303-N—Nickel plated, per dozen .....**DFJ** $5.50
ONE IN A CARTON; ONE DOZEN IN A BOX. W'T PER DOZ. 4 LBS.

★*FOR FACTORY SHIPMENT ONLY.*

DOOR HOLDERS AND STOPS.



No. J137—"Sure Grip," for attachment to floor, japanned iron, w't per doz. 5 lbs. .....per dozen **BDJ** $3.50
No. OC137—Old copper plated, otherwise same as No. J137, per dozen .....**CFJ** $5.00
ONE DOZEN IN A BOX, WITH SCREWS.



No. J135—"Sure Grip," for attachment to wall, japanned, w't per doz. 3½ lbs., per dozen .....**BDJ** $3.50
No. OC135—Old copper plated, otherwise same as No. J135, per doz. **CFJ** $6.00
ONE DOZEN IN A BOX, WITH SCREWS.

DOOR HOLDERS.



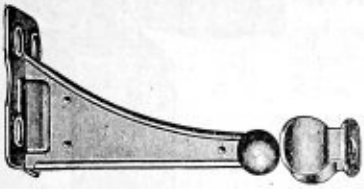
The bolt is held up by a spring and when pressed down by the foot it locks and is released by pressing on the plate surrounding the bolt.

SUPERIOR, Length 7 Inches.

No. 02—Japanned iron, per dozen .....**EFJ** $7.00
No. 22—Polished bronze plated iron, per dozen .....**GGJ** $9.60
No. 032—Unpolished old copper plated iron .....per dozen **FFE** $8.30
No. 32—Polished old copper plated iron, per dozen .....**GGJ** $9.60
No. 33—Dull or lemon brass plated iron, per dozen .....**GBJ** $8.30
No. 52—Polished Bower-Barff, per dozen .....**GGJ** $9.60
No. 62—Polished plain bronze, per dozen .....**ABHJ** $16.00
ONE-HALF DOZEN IN A BOX. W'T PER DOZ. 13 LBS.

DOOR HOLDERS, STOPS, RAIL AND STAYS.

UNIVERSAL DOOR HOLDERS AND STOPS.



For Attachment to Floor or Wall.

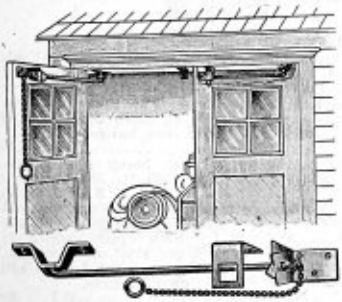
No. J133—3 in. japanned steel, w't per doz. 2¼ lbs. ....per dozen **AIJ** $3.20

No. OC133—3 in. old copper plated steel, w't per doz. 2½ lbs., per dozen .....**BAE** $3.60

No. DB133—3 in. dull brass plated steel, w't per doz. 2½ lbs., per dozen .....**BAE** $3.60

ONE DOZEN IN A BOX, WITH SCREWS.

GARAGE DOOR HOLDERS.



No. 3050—Rod 34 in., chain 36 in. wrought steel, japanned, automatic in action, easily applied, strong enough for any service, w't per doz. 56 lbs., per dozen .....**ADDJ** $25.00

For any swinging door, reversible for right or left hand. Pull chain to operate.

ONE IN A PACKAGE WITH SCREWS.

BARN DOOR RAIL.



No. 3—All steel, double flanged and braced, brackets 12 in. apart, 1⅝ in. offset, w't per 100 ft. 90 lbs., per 100 feet .....**JEAJ** $10.00

IN LENGTHS OF SIX, EIGHT OR TEN FEET.



No. 5—Light, size 1x⅞ in., wrought steel, brackets 11 in. apart, 1¾ in. offset, w't per 100 ft. 81 lbs., per 100 feet .....**CFJ** $8.00

IN LENGTHS OF SIX, EIGHT OR TEN FEET.



No. 6—Safety, 1¼x⅞ in., round edge steel rail, heavy double braced malleable iron brackets, 14 in. apart, 1½ in. offset, w't per 100 ft. 100 lbs., per 100 feet .....**JDHJ** $11.00

IN LENGTHS OF SIX, EIGHT OR TEN FEET.

BARN DOOR STAYS.



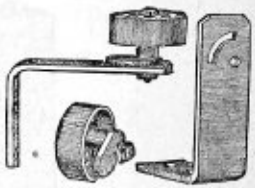
No. 1—Common, ½x6 in., wrought screw, w't per doz. 8 lbs., per doz. **JGJ** $1.25



No. 10—Straight, ½x6 in. wrought screw, w't per doz. 8 lbs., per doz. **JGJ** $1.25
For use in cement floors.



No. 3—Hinge, wrought iron, projection 4½ in., malleable iron wheel, adjustable, japanned, w't per doz. 9 lbs., per dozen .....**AAE** $2.00



No. 2—Faultless, wrought iron, projection 2½ in., malleable iron wheel, adjustable, japanned, w't per doz. 12 lbs., per dozen .....**ACJ** $2.00

Can be applied inside or outside a door.

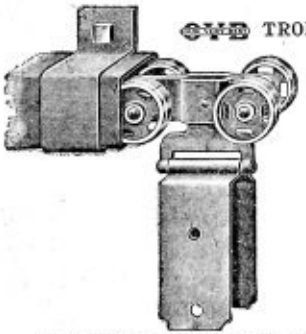


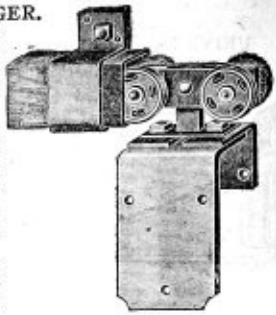
No. 20—Adjustable, reversible, for doors from 1½ to 2½ in. thick, steel frame, cast iron wheel 2 in. in diameter, w't per doz. 7 lbs., per dozen **AJJ** $1.70

They are used for either inside o outside doors.

BARN DOOR HANGERS.

TROLLEY HINGED ROLLER BEARING DOOR HANGER.





Hanger—trolley hinged roller bearing door hangers are constructed entirely of steel, except the wheels which are of the best grade of cast iron, turned smooth. The axle passes through a case hardened steel tubing fitted with tool steel machine cut roller bearings which makes it anti-friction.

Pendant and Apron—Pendant and apron or strap comprse two parts, forming a joint hinge which allows the door to swing at right angles. Apron or strap clamping door on each side admits of fastening with two carriage bolts passing through the door, and this double apron is far stronger than the single.

Finish—The finish and workmanship are the very best, as every hanger is carefully inspected. The hanger parts aarts are japanned and baked before being assembled.

The Track—Is made on special machinery so that every foot is precisely the same, absolutely true and straight. The wheels run freely and easily in the square groove of the track, which is amply wide to prevent any striking, binding or scraping of the wheels.

No. 211—For doors 1¾ to 2 in. thick and weighing approximately 300 lbs., complete with bolts and three brackets—two end and one center—w't per doz. prs. 96 lbs. ..... per dozen pairs **AHJJ** $30.00

No. 201—With lateral adjustment for doors 1¾x2¼ in. thick, otherwise same as No. 211 , per dozen pairs ..... **AHJJ** $30.00

ONE PAIR IN A BOX; SIX PAIRS IN A CRATE.

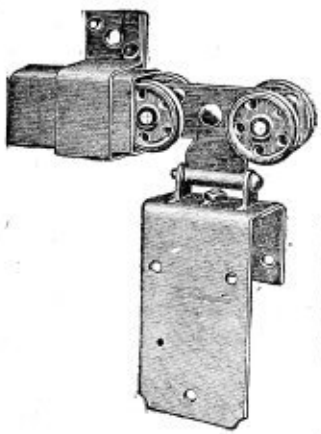
No. 31-B—Extra brackets, w't 1¼ lbs. ..... each **AJ** $0.20

No. 31-T—Trolley track for No. 211 door hangers, 6, 8 and 10 ft. lengths, w't per 100 ft. 167 lbs., per 100 ft. ..... **ABJJ** $25.00

EIGHT PIECES IN A BUNDLE.

Two end brackets and one center bracket are furnished with each pair of Hangers.

"CRUSO" BARN DOOR HANGERS.



For Doors Weighing Approximately 400 Lbs. Lateral Adjustment.

No. 2011—Cruso Hangers, used on doors 1½ to 2 in. thick, w't per doz. prs. 120 lbs. ..... per dozen pairs **ACEJ** $22.50

Hinged pendant extra strong permitting door to swing to any angle desired.

Hangers—A pair of hangers consists of two hangers, one center and two end brackets, lag bolts for brackets and stove and carriage bolts for hangers.

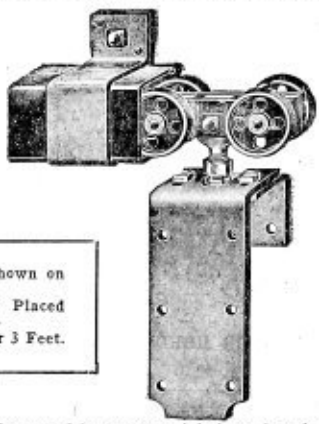
No. 311-T—Cruso, track can be attached to side or ceiling supports and is furnished in 6, 8 and 10 ft. lengths, w't per 100 ft. 167 lbs. ..... per 100 feet **JIFJ** $16.00

No. 311-B—Cruso brackets ..... each **JG** .12½

Distance from top of door to center of hole in bracket 5½ in.

Brackets for Hangers Shown on This Page Should Be Placed 2½ Feet Apart, Not Over 3 Feet.

RICHARDS' TROLLEY ROLLER BEARING.



No. 292—Hanger of heavy material, lateral and vertical adjustment, suitable for doors 2¼ to 3 in. thick and weighing approximately 600 lbs., complete with 4 flat head stove bolts for back apron which is countersunk, without brackets, w't per doz. prs. 180 lbs. .....per dozen pairs **BHHJ** $66.00

No. 232-B—Extra Brackets for No. 292 door hangers, each ..... **BJ** .36

No. 232-T—Trolley track for No. 292 door hangers, 14 gauge, 2½ in. wide, 3½ in. high, w't per 100 ft. 250 lbs., per 100 ft. ..... **BAFJ** $40.00

No. 1232—Hanger of extra heavy material, lateral and vertical adjustment, suitable for doors weighing 800 lbs., complete with 4 flat head stove bolts for back apron, which is countersunk, without blackets, w't per doz. prs. 216 lbs., per dozen pairs ..... **CIFJ** $78.00

No. 33-B—Extra brackets for No. 1232 door hangers, each ..... **CJ** .60

No. 33-T—Trolley track for No. 1232 door hangers, 13 gauge, 3 in. wide, 3½ in. high, w't per 100 ft. 375 lbs., per 100 ft. ..... **BHHJ** $60.00

Hangers, track and brackets sold separately.

Hanger—Made of steel throughout except wheels which are of the best grade cast iron. The axle passes through a case hardened steel tubing fitted with roller bearings, making it anti-friction.

Track—Extra heavy steel, absolutely true and straight. The wheels run freely in the square groove of track, without any binding or scraping.

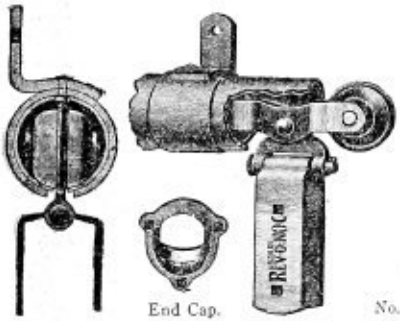
Finish—All parts are japanned and baked before leaving

BARN DOOR HANGERS.

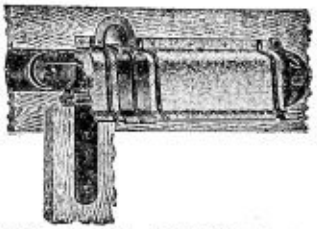
The Hanger consists of a malleable iron truss frame which supports the double door straps. The stirrup from which the door strap is hung is secured to the track by means of a steel axle. The door straps, which are double, have holes for two bolts on each strap so that the bolt can be run through the door and thus assure double strength.

The Truck has two solid ball wheels, or rollers, which have a very wide tread in the track, and are run on roller bearings. The side plates are shaped so as to allow the truck to run smoothly and evenly and without scraping the sides of the track. They are light running, frictionless, flexible and noiseless.

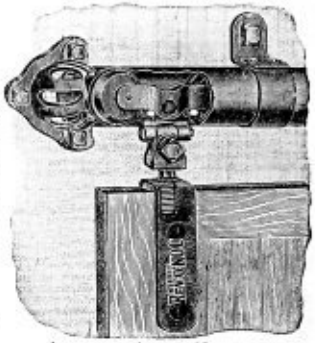
The Track is made of No. 14 gauge steel specially formed and slotted, ¼ in. on the under side to take the hanger frame. It is 2¼ in. in diameter, inside measurement, and furnished in 3 foot lengths. The sections are rigidly joined together by No. 12 gauge steel splices, 2½ in. wide, within which the sections meet at the center of the splice and lock. Birds cannot nest in the track, nor can snow or sleet clog it. The track is secured to the barn by means of heavy brackets.



Sectional view of the Track and Hanger. End Cap.



Illustrating the Hanger and Track. No. 181 Cover for No. 18-T REVONOC Track.



No. 18 REVONOC—Barn Door Hangers, complete with bolts, w't per doz. prs. 80 lbs. .....per dozen pairs **ACBJ** $24.00

ONE PAIR IN A BOX. SIX IN A CASE.

No. 19 REVONOC—Same general construction as No. 18 REVONOC, and uses same track and brackets, has both lateral and vertical adjustment, complete with bolts, w't per doz. prs. 85 lbs. .....per dozen pairs **ADDJ** $26.00

By the lateral adjustment, door is set close to or away from the building as desired. Easily and quickly operated.

ONE PAIR IN A BOX WITH BOLTS.

Track.

No. 18-T REVONOC—Track, in 3 foot lengths, per hundred feet .....**ABJJ** $20.00

96 FEET IN A CASE. W'T 205 LBS.

No. 181—Cover for track, 3 ft. lengths, reinforced galv. iron, w't per 100 ft, including splicers 60 lbs., per 100 feet **CFJ** $6.00

This cover forms a perfect water-shed which prevents rain, snow and wind from entering the barn either behind the track or under the track over the top of the door.

Made entirely independent of track and is put up after the track is hung.

Close fitting waterproof splicers are furnished which slip over the track bracket and effectively close joints in the cover.

Track cover packed 32 pieces in the crate. Splicers packed 4 dozen in a crate.

Combination End Brackets and Caps.

No. 18-EB—Combination End Brackets and Caps .....each **JG** $0.13

End bracket and caps, although combined, are furnished at price of bracket only.

TWO DOZEN IN A BOX.

Regular Brackets.

No. 18-B—Regular brackets,, for each additional length of track .....each **JG** $0.13

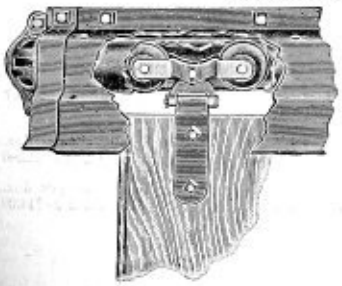
When entering orders be sure to specify number of brackets wanted.

As brackets and end caps are NOT furnished with the hangers it is necessary to have two brackets to hang the first length of track, and one EXTRA for each ADDITIONAL length.

Brackets should be placed 2½ to 3 feet apart. Not over 3 feet.

FOUR DOZEN IN A CRATE.

REVONOC COVERED BARN DOOR TRACK.

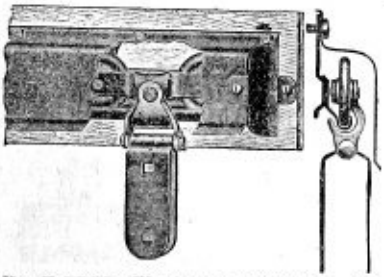


No. 118-T REVONOC—Covered track, in 4, 6 and 8 ft. lengths.....per foot **AG** $0.28

Cut shows the REVONOC track, favorably known for years but with a new feature added. All the features which have made this track so popular have been retained—and the cover is additional. There is now no door track with a cover so substantial, with a hood projecting so far and so perfectly storm and weather proof as the REVONOC hood. It is neat in design, the cover being riveted, not welded, to the track, and the rivets are sufficiently close together to insure a strong and permanent fastening. No brackets needed, cover supports track, making it sturdy, dependable and non-sagging. Method of splicing track prevents sections from turning and makes a perfect, smooth joint. A small hinged strap draws the two sections of cover into line with each other so that they can be accurately and securely joined.

BARN DOOR HANGERS.

REVONOC WEATHER-PROOF.

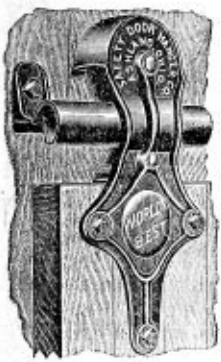


Hangers—Non-adjustable, wheels roller bearing, flexible and noiseless, bird and weather-proof, wheels in tandem as in railroad trucks, trucks and frame heavy steel held together by same center pin that fastens stirrup to truck. The weight of the door is supported from the top of the truck so that the full strength of the truck frame carries the door. The hangers, being flexible prevents their being broken or damaged by the crowding of animals from within the barn, or by violent gust of wind.

Track—The hood or shield fits snugly against the barn. To make double sure the weather-proof feature, the rim or edge is turned in towards the building and clamped to it, making a tight connection. The lower edge of the hood is bent out, forming a deflector which throws the rain or sleet away from the building. REVONOC Weather-Proof Track is easily put up, the brackets are properly spaced and welded to the track. The track and hood are held in place by the same bolts and are easily accessible with a wrench. Furnished in 3 ft. lengths, complete with the end stops and brackets.

No. 67 REVONOC—Weather-Proof Barn Door Hangers, w't per doz. prs. 80 lbs., per dozen pairs ..... **ABJJ** $20.00
No. 66 REVONOC—Weather-proof Barn Door Track, w't per 100 ft. 225 lbs., per 100 feet ..... **ACBJ** $22.00

WORLD'S BEST.



Will permit door to swing out at bottom sufficiently to pass any obstruction that may be in its way.

The large roller bearings dispense with all friction and make it easy to operate. The lower wheel underneath the rail prevents derailment.

The track has perfectly smooth surface, thus assuring easy running. A sufficient number of brackets are included with each length of track to hang securely.

No. 10—Malleable iron, finished in aluminum, complete with bolts, w't per doz. prs. 96 lbs...per dozen pairs **AAEJ** $19.20
ONE PAIR IN A BOX. ONE-HALF DOZEN IN A CASE.
No. 10-T—Steel track, in 4, 6, 8 and 10 ft. lengths, complete with brackets, w't per 100 ft. 87 lbs., per 100 ft. **JHDJ** $14.00

BARN DOOR HANGERS.

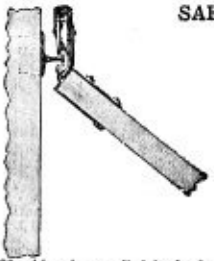


No. 12—President, swing pattern, japanned, roller bearing, covered wheel, reinforced cover, cannot be thrown from track, complete with bolts, w't per doz. prs. 80 lbs., per dozen pairs ..... **JFFJ** $16.00

No. 12-T—Track for same, lengths 6, 8 and 10 ft., w't per 100 ft. 100 lbs. .....per 100 feet **JDEJ** $11.00

ONE PAIR IN A BOX; ONE DOZEN PAIRS IN A CASE.

SAFETY.





No. 20—Aluminum finished, frame and wheel malleable iron, wheel 1¾ in. in diameter with deep thread or groove, assuring a good grip on the track, w't per doz. prs. 80 lbs., per dozen pairs..... **JGBJ** $16.00

ONE PAIR IN A BOX, COMPLETE WITH BOLTS.

No. 6-T—Track, 1½x3-16 in. round edge, 6, 8 and 10 feet lengths, with malleable brackets, w't per 100 ft. 85 lbs., per 100 ft. ..... **JDHJ** $11.00

The retaining hook under the track makes it impossible for the hanger to be thrown off the track. The flexible feature allows the door to move easily without binding, and permits it to swing out in case of storms or stock pushing against it without throwing the door off the track or tearing the track loose.



RIVAL, Wrought Steel Covered Frame, Japanned, Roller Bushed Bearings.

No. 1—3¼ in. wheel, ⅞x1 in. strap, 5x11 in. frame, w't per doz. prs. 72 lbs. .....per dozen pairs **JDHJ** $12.00

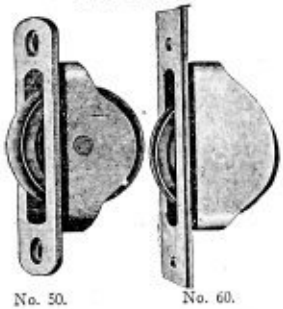
No. 2—4 in. wheel, ¼x1 in. strap, 6x12 in. frame, w' per doz. prs. 103 lbs. .....per dozen pairs **JFJJ** $14.00

Adapted to [illegible] *or flat steel rails.*

ONE DOZEN PAIRS IN A CRATE.

FRAME PULLEYS.

CAST IRON.



No. 50. No. 60.

Plain Face, Polished Wheel, Wrought Iron Pin, ROUND End.

No. 50—Size of face 1⅛x4⅜ in., wheel 2 in., w't per doz. 5 lbs., per dozen .....BE $0.34

Plain Face, Polished Wheel, Wrought Iron Pin, SQUARE End.

No. 60—Size of face 1⅛x4⅜ in., wheel 2 in., w't per doz. 5 lbs., per dozen .....BE $0.34

ABOUT 80 DOZEN IN A BARREL.



COMMON SENSE PATTERN.

No. 32—Size of face 1x4 in., 2 in. polished wheel, w't per doz. 4 lbs., per dozen .....BE $0.38

ABOUT 100 DOZEN IN A BARREL.

STEEL.



Ottumwa, Cold Rolled Steel Rust Proof Frame and Wheel, Black Enamel Finish.

No. 5—2 in., hollow steel ball bearings, run on cone stamped up from frame, mortise 2½x⅜ in., w't per doz. 1½ lbs., per dozen .....CB $0.52

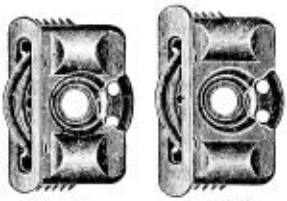
No. 105—2 in., plain bearing, otherwise same as No. 5, w't per doz. 1¼ lbs., per dozen .....BH $0.45

SIXTY DOZEN IN A CASE.

No. 45—2 in., Grand Rapids, cold rolled steel wheel and frame, ball bearing, steel pin axle, mortise 2½x⅝ in., w't per doz. 1¼ lbs.....per dozen CJ $0.50

125 DOZEN IN A BARREL.

STEEL.



No. 109. No. 110.

Ottumwa, Cold Rolled Steel Wheel and Frame, Plain Bearing, on Cone Stamped Up from Frame.

No. 109—2 in., will fit three hole mortise, made by 1 in. bit, centers ¾ in. apart, w't per doz. 1¼ lbs., per dozen .....CB $0.50

No. 110—2 in., will fit four hole mortise, made by ⅞ in. bit, centers ⅝ in. apart, w't per doz. 1¼ lbs., per dozen .....CB $0.50

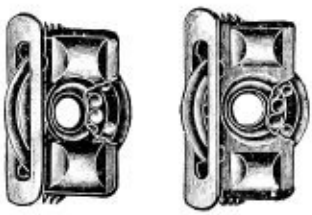
FIFTY DOZEN IN A CASE.

Grand Rapids Pattern, Cold Rolled Steel Wheel and Frame, Plain Bearing With Steel Pin Axle.

No. 133—2 in., will fit three hole mortise, made by 1 in. bit, centers ¾ in. apart, w't per doz. 1¼ lbs., per dozen .....BF $0.45

No. 134—2 in., will fit four hole mortise, made by ⅞ in. bit, centers ⅝ in. apart, w't per doz. 1¼ lbs., per dozen .....BF $0.45

100 DOZEN IN A BARREL.



No. 9. No. 10.

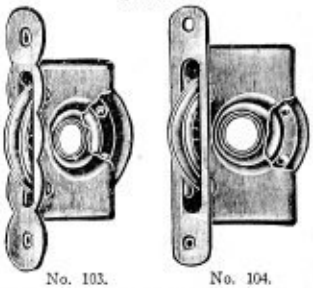
Ottumwa, Cold Rolled Steel Wheel and Frame, Hollow Steel Ball Bearings, Running on Cone Stamped Up from Frame.

No. 9—2 in., will fit three hole mortise, made by 1 in. bit, centers ¾ in. apart, w't per doz. 1¼ lbs., per dozen .....CF $0.60

No. 10—2 in., will fit four hole mortise, made by ⅞ in. bit, centers ⅝ in. apart, w't per doz. 1¼ lbs., per dozen .....CF $0.60

FIFTY DOZEN IN A CASE.

STEEL.



No. 103. No. 104.

Ottumwa, Cold Rolled Steel Wheel and Frame, Plain Bearings, Running on Cone Stamped Up from Frame.

No. 103—Common Sense Pattern, 2 in., 1x4x⅛ in. face, will fit five hole mortise, made by 1 in. bit, centers ¾ in. apart, two end holes to be bored only ⅛ in. deep, w't per doz. 2 lbs., per dozen .....BH $0.45

No. 104—Face Plate Pattern, 2 in. face, 1x3½x1-32 in., mortise 2½x⅝ in., w't per doz. 1¼ lbs., per dozen CB $0.45

FIFTY DOZEN IN A BOX.

PULLEY MORTISERS



No. 12—Grand Rapids, quadruple, bores four ⅞ in. holes, centers ⅝ in. apart, for Nos. 110, 112 and 10 pulleys, w't 1¼ lbs.★ .....each J F F J $10.00

No. 11—Grand Rapids, triple, bores three 1 in. holes, centers ¾ in. apart for Nos. 109, 111 and 9 pulleys, w't 1 lb.★ .....each J F F J $10.00

ONE IN A BOX.

All these bits are fitted, unless otherwise ordered, with ½ in. standard shanks, and are suitable for use in any belt power boring machine, but not for a hand brace.

★*FOR FACTORY SHIPMENT ONLY F. O. B. GRAND RAPIDS, MICH*

PULLEYS.

AWNING.



Single Wheel, Cast Iron, Japanned.

No. 740—Inches	¾	1	1¼
Size of rope, in.	⅛	¼	9/32
W't per doz., lbs. ..	1½	2	2½
Per dozen $0.40		.46	.55
	BB	BE	BI
No. 740—Inches	1½	1¾	2
Size of rope, in.	⅛	⅜	⅛
W't per doz., lbs. ..	4	6	10
Per dozen $0.70		.95	1.20
	CF	EJ	JGB

Single Wheel, Cast Iron, Galvanized.

No. 1740—Inches ...	¾	1	1¼
Size of rope, in.	⅛	¼	9/32
W't per doz., lbs. ..	1½	2	2½
Per dozen $0.50		.66	.88
	BI	CC	DB
No. 1740—Inches ...	1½	1¾	2
Size of rope, in.	⅛	⅜	⅛
W't per doz., lbs. ..	4	6	10
Per dozen $1.25		1.75	2.75
	JFJ	JHE	ADE

ONE DOZEN IN A BOX.



Double Wheel, Cast Iron, Japanned.

No. 760—Inches	1	1¼
Size of rope, in.	¼	9/32
W't per doz., lbs.	3	4
Per dozen $0.66		.80
	DA	EJ
No. 760—Inches	1½	2
Size of rope, in.	⅜	⅛
W't per doz., lbs. ....*.....	7	16
Per dozen $1.15		2.50
	JGB	AFJ

Double Wheel, Cast Iron, Galvanized.

No. 1760—Inches	1	1¼
Size of rope, in.	¼	9/32
W't per doz., lbs.	3	4
Per dozen $1.05		1.20
	JFE	JGJ
No. 1760—Inches	1½	2
Size of rope, in.	⅜	⅛
W't per doz. lbs. ....*.....	7½	16
Per dozen $2.00		4.00
	ABJ	BCE

ONE DOZEN IN A BOX.

AWNING.

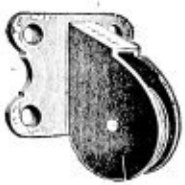


Single Wheel, Cast Iron, Japanned, Swivel Eye.

No. 730—In..	1	1¼	1½	2
Size rope, in.	¼	9/32	⅜	⅛
W't, doz., lbs.	2½	3	5	12
Per dozen...	$0.70	.77	1.13	2.25
	DJ	DH	JFE	ADJ

ONE DOZEN IN A BOX.

HOT HOUSE.



Cast Iron, Japanned.

No. 145—2 in., extra heavy, for ⅜ in. rope. w't per doz. 9 lbs., per dozen .....**JIE** $1.30

No. 150—2¼ in., extra heavy, for ⅜ in. rope, w't per doz. 12 lbs., per dozen .....**ABE** $1.75

ONE DOZEN IN A BOX.

CLOTHES LINE.



No. 2—1¼ in. wheel, cast iron, galvanized with large eyes to allow knots to pass, w't per doz. 4½ lbs., per dozen .....**EE** $0.80

ONE DOZEN IN A BOX.



Cast Iron.

No. 070—1¼ in. wheel, japanned, hinged to plate to screw on, w't per doz. 4½ lbs. .....per dozen **FJ** $0.75

No. 75—1¼ in. wheel, galvanized, hinged to plate to screw on, w't per doz. 4½ lbs. .....per dozen **JIE** $1.2[illegible]

ONE DOZEN IN A BOX.

THE MAXIMUM ROPE SIZE IS GIVEN.

PULLEYS AND SASH BALANCES.

SIDE PULLEYS.



Cast Iron, Japanned.

No. 195—Inches	1½	2
Size of rope, in.	¼	5/16
W't per doz., lbs.	2½	5
Per dozen	$0.55	.84
	CE	DH

No. 195—Inches	2½	3	4
Size of rope, in.	3/8	7/16	5/8
W't per doz. lbs.	10½	16	36
Per dozen	$1.25	1.84	4.75
	JGB	ABJ	BGJ

ONE DOZEN IN A BOX.

ENCASED SCREW PULLEYS.



No. 46—1½ in., cast iron, japanned, w't per doz. 2¾ lbs...per dozen DB $0.80

ONE DOZEN IN A BOX.



Cast Iron, Japanned.

No. 190—Inches	2
Size rope, in.	5/16
W't per doz. lbs.	4½
Per dozen	$1.12
	JFJ

ONE DOZEN IN A BOX.

SCREW PULLEYS.



Cast Iron, Japanned.

No. 180—Inches	1	1¼	1½
Size of rope, in.	3/16	¼	¼
W't per doz., lbs.	1¼	1½	1¾
Per dozen	$0.36	.38	.42
	BJ	BA	BD

No. 180—Inches	2	2½	3
Size of rope, in.	¼	5/16	3/8
W't per doz., lbs.	2¼	5	6½
Per dozen	$0.70	1.00	1.45
	CH	JEE	JHJ

1 TO 2 IN., TWO DOZEN; BALANCE, ONE DOZEN IN A BOX.

WAGON BRAKE PULLEYS.



No. 100—2½ in. wheel, single, extra heavy, cast iron, japanned, will take ⅝ in. rope, w't per doz. 21 lbs., per dozen .....AHJ $2.80

SASH BALANCES.



Caldwell.



Pullman.

CALDWELL, Side, Malleable Iron Case and Face Plate, Phosphor Bronze Ribbon Tapes.

Nos.	W't sash, lbs.	Length tape, in.	W't per set, 4, lbs.	Per set, 4.
6	4 to 6	30	3	ABE $2.00
8	6 to 8	30	3	ACE 2.20
10	8 to 10	34	3½	AEJ 2.40
12	10 to 12	38	4½	AFJ 2.60
14	12 to 14	42	4¼	AGE 2.80
16	14 to 16	42	7	AHE 3.00
18	16 to 18	44	7	BJJ 3.20
20	18 to 20	46	7½	BAJ 3.40
23	20 to 23	50	9	BEJ 4.00
26	23 to 26	50	9	BFE 4.25
29	26 to 29	52	9½	BHJ 4.50
32	29 to 32	52	10	BIJ 4.75
35	32 to 35	54	13½	CEJ 5.50
38	35 to 38	54	13½	CFJ 5.75
41	38 to 41	54	13½	CGE 6.00
44	41 to 44	54	14	CIJ 6.25
47	44 to 47	50	14½	DJJ 6.50
50	47 to 50	50	18½	EFE 9.00

These balances are all made with square inch face plate, and are absolutely square and true, so that no balance can be set in crooked. They are easily adjusted by simply turning the screw in the face plate, and work absolutely smooth and noiseless.

ONE SET IN A BOX, WITH SCREWS.

PULLMAN, Wrought Steel Frame and Face Plate Adjustable, Noiseless, Enclosed Drum and Ribbon, Rolled Edge.

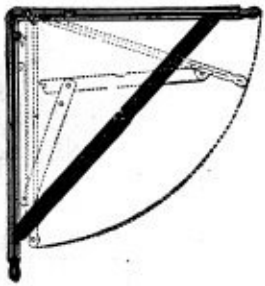
Nos.	W't sash, lbs.	Length tape, in.	W't per set, 4, lbs.	Per set, 4.
0101	6 to 7	30	3	ACE $2.40
0102	8 to 9	30	4	ADE 2.60
0103	10 to 11	46	5	AFJ 2.80
0104	12 to 13	46	5¼	AGE 3.10
0105	14 to 15	46	5½	AIJ 3.40
0106	16 to 17	46	7	BAJ 3.70
0107	18 to 19	46	7	BCE 4.00
0108	20 to 21	46	7½	BFE 4.70
0109	22 to 23	46	7½	BHJ 5.00
0110	24 to 26	54	10	CJJ 5.30
0111	27 to 29	54	10½	CAJ 5.50
0112	30 to 32	54	10½	CDJ 6.00
0113	33 to 35	54	14	CGJ 6.50
0114	36 to 38	54	14½	CIE 7.00
0115	39 to 41	54	15	DAE 7.50

One set, as priced above, consists of four balances, sufficient to hang one complete window—two sashes. They are placed in the window frame the same as ordinary pulley, having an automatic adjustment that does not require an adjusting screw or some similar device which makes the tape buckle or break. The Pullman balances are easily placed in position and owing to automatic adjustment can be quickly applied.

ONE SET IN A BOX.

THE MAXIMUM ROPE SIZE IS GIVEN.

SHELF BRACKETS.



Folding, Wrought Steel, Japanned, for Folding or Swinging Shelves.

No. 8—8x8 in., w't per doz. prs. 14 lbs., per dozen pairs .....CCJ $8.00

No. 12—12x12 in., w't per doz. prs. 30 lbs., ..per dozen pairs JDIJ $12.00

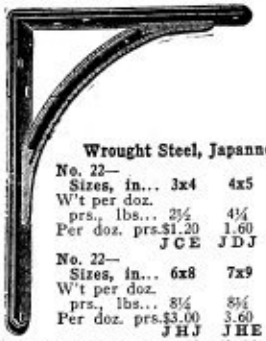
No. 16—16x16 in., w't per doz. prs. 47 lbs. ..per dozen pairs JHBJ $20.00

Locks automatically when lifted up, and can be let down entirely out of the way in an instant. Just the thing for kitchen, pantry and dining-room shelves. Invaluable for store show windows.

ONE PAIR IN A BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.



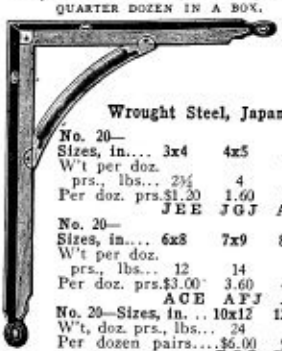
Wrought Steel, Japanned.

No. 22— Sizes, in...	3x4	4x5	5x7
W't per doz. prs., lbs...	2½	4¼	6¼
Per doz. prs.	$1.20	1.60	2.40
	JCE	JDJ	JEH

No. 22— Sizes, in...	6x8	7x9	8x10
W't per doz. prs., lbs...	8¼	8¾	11½
Per doz. prs.	$3.00	3.60	4.20
	JHJ	JHE	AJJ

No. 22—Sizes, in....	10x12	12x14	16x18
W't, doz. prs., lbs..	19	28	37
Per dozen pairs	$6.00	9.00	20.00
	ADE	BCE	JFHE

3x4 AND 4x5 IN., ONE DOZEN; 5x7 TO 7x9 IN., ONE-HALF DOZEN; BALANCE, ONE-QUARTER DOZEN IN A BOX.



Wrought Steel, Japanned.

No. 20— Sizes, in....	3x4	4x5	5x7
W't per doz. prs., lbs...	2½	4	6
Per doz. prs.	$1.20	1.60	2.40
	JEE	JGJ	AAJ

No. 20— Sizes, in....	6x8	7x9	8x10
W't per doz. prs., lbs...	12	14	16
Per doz. prs.	$3.00	3.60	4.20
	ACE	AFJ	AIJ

No. 20—Sizes, in. ..	10x12	12x14
W't, doz. prs., lbs...	24	31
Per dozen pairs....	$6.00	9.00
	BGJ	DJE

Wrought Steel, Brass Plated.

No. 30—Sizes, in...	4x5	5x7	6x8
W't, doz. prs., lbs..	4	6	12
Per dozen pairs	$4.40	6.20	8.20
	ACE	AIJ	BEE

No. 30—Sizes, in...	7x9	8x10	10x12
W't, doz. prs., lbs...	14	16	24
Per dozen pairs	$8.70	9.00	12.00
	BGJ	BHJ	JCGJ

Wrought Steel, Old Copper Plated.

No. 40— Sizes, in...	3x4	4x5	5x7	6x8
W't per doz. prs., lbs...	3	4	6	12
Per doz. prs.	$3.75	4.40	6.20	8.20
	AAE	ACE	AIJ	BEE

No. 40—Sizes, in....	7x9	8x10	10x12
W't, doz. prs., lbs...	14	16	24
Per dozen pairs	$8.70	9.00	12.00
	BGJ	BHJ	JCGJ

Wrought, Steel, Nickel Plated.

No. 18— Sizes, in...	3x4	4x5	5x7	6x8
W't per doz. prs., lbs...	3	4	6	12
Per doz. prs.	$3.75	4.40	6.20	8.20
	AAE	ACE	AIJ	BEE

No. 18—Sizes, in.	7x9	8x10	10x12
W't, doz. prs., lbs...	14	16	24
Per dozen pairs	$8.70	9.00	12.00
	BGJ	BHJ	JCGJ

3x4 TO 5x7 IN., ONE DOZEN; 6x8 AND 7x9 IN., ONE-HALF DOZEN; NOS. 40 AND 18 SIZE 3x4, ONE-HALF DOZEN; BALANCE, ONE-QUARTER DOZEN IN A BOX.

★FOR FACTORY SHIPMENT ONLY.

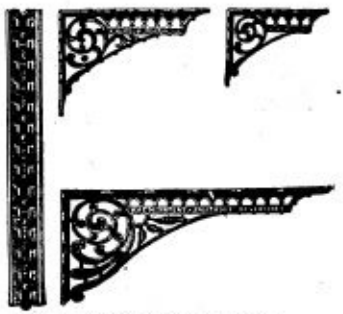


Steel Wire, Japanned.

No. 10— Sizes, in....	4x5	5x7	6x8
W't per doz. prs., lbs...	2	4	5½
Per doz. prs.	$1.60	2.40	3.00
	JCJ	JEJ	JFZ

No. 10— Sizes, in. ..	7x9	8x10	10x12
W't per doz. prs., lbs...	6½	8½	11
Per. doz. prs.	$3.60	4.20	6.00
	JGE	JHE	ABJ

ONE-HALF DOZEN PAIRS IN A BOX.



KOCH, Adjustable, Cast Iron, Japanned.

No. 101—3½x4½ in., w't 5½ oz., each★ .....JG $0.12

No. 102—6x8 in., w't 1¼ lbs., each★ .....AB .20

No. 103—8x12 in., w't 2 lbs., each★ .....BJ .35

No. 104—8x16 in., w't 3 lbs., each★ .....BF .45

No. 105—9x21 in., w't 4 lbs., each★ .....CE .60

No. 110—Wall plates, 24 in. long, suitable for all sizes of brackets, w't 4 lbs★ .....each BI $0.50

These brackets are supported by a number of catches on either side, by means of which each is held firmly in place, there being no side-play or liability to slip down accidentally. The wall plates are provided with screw holes for every 6 in. of their length, so they can be fastened securely to the walls. The entire front is open and unobstructed, and the entire top surface of shelf boards is available for goods. The objectionable wood partitions are entirely done away with, allowing the unhindered use of every inch of space. The brackets do not shut out the light nor make dark corners to hide the goods and prevent the easy removal of dust.

A section of shelving may be put up on the Koch reversible brackets, and additions to it made, in length or height, as more room is wanted, without altering or marring the rest, and it will be finished and complete first as last. Shelving may be run in continuous parallel lines, or in long or short sections of various height or width, and shelf room may be increased or diminished at pleasure.

BRACKETS AND PORCH SUPPORTS.

STAIR RAIL BRACKETS.



No. 5803—3½ in. projection, enameled cast iron, w't per doz., 5½ lbs., per dozen .....**AJJ** $2.50

This bracket can be adjusted to any angle, is strong, easily adjusted, and quickly applied. Length given is the length from wall to center of rail.

ONE-HALF DOZEN IN A BOX.



2½ in., Electro Plated, One Piece Heavy Cast Iron, W't Per Dozen 6 Lbs.

No. 80—Old Copper Finish, per dozen .....**AJE** $2.75

No. 85—Dull Brass Finish, per dozen .....**ABJ** 3.00

ONE DOZEN IN A BOX.

No. 75—Walnut bronze, w't per doz. 6 lbs. .....per dozen **JHJ** $2.00

ONE-HALF DOZEN IN A BOX, WITH SCREWS.

PORCH SUPPORTS.



No. 3—Japanned, diameter 3⅜ in., height 1¼ in., w't per doz. 11 lbs., per dozen .....**JEE** $1.20

LOOSE.



No. 4—Japanned, extreme length 6 in., height 1¾ in., w't per doz. 8½ lbs., per dozen .....**JEJ** $1.20

LOOSE.

BRACKETS.



No. 1760—Walnut bronzed iron, 4½ in., arm, 4½ in. shelf, w't per doz, 6 lbs., per dozen .....**AAJ** $1.20

ONE-THIRD DOZEN IN A BOX, WITH SCREWS.

BRACKETS.



Walnut Bronzed Iron.

No. 2000—8 in. arm, 3¾ in. shelf, w't per doz. 22 lbs., per dozen....**AGJ** $2.10

No. 1872—10 in. arm, 5¼ in. shelf, w't per doz. 26 lbs., per dozen **BBJ** $2.95

ONE-THIRD DOZEN IN A BOX, WITH SCREWS.



No. 2090—Cast iron, enameled black and green inlaid, 12 in. arm, 6 and 5 in. shelves, w't per doz. 36 lbs., per dozen .....**CDE** $5.35

ONE-THIRD DOZEN IN A BOX, WITH SCREWS.



No. 2136—Walnut bronzed iron, two 8 in. arms, 6 in. shelves, w't per doz. 35 lbs., per dozen..... **CFJ** $5.50

ONE-THIRD DOZEN IN A BOX, WITH SCREWS.

WIRE FLOWER POT STANDS.

Painted Green, Ornamented with Gold Bronze.



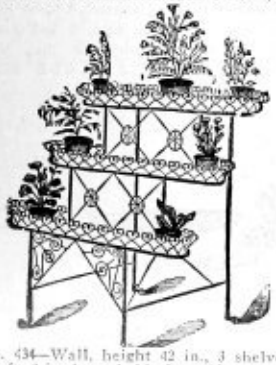
No. 440—Height 20 in., length 27 in., width 9½ in., holds 6 to 10 pots, w't 8 lbs. .....each **AHJ** $3.00



No. 443½—Square, height 32 in., depth 18 in., 2 shelves 33 in. long, holds 12 to 15 pots, w't 12 lbs.....each **BDJ** $4.00



No. 435—Semicircle, height 42 in., width 48 in., depth 32 in., holds 24 to 30 pots, w't 21 lbs. .....each **CIJ** $6.50



No. 434—Wall, height 42 in., 3 shelves, 3 ft. 2 in. long, holds 24 to 30 pots, w't 20 lbs. .....each **CAJ** $6.50



No. 430—Semicircular, with arch and basket, height 78 in., width 48 in., depth 32 in., holds 24 to 30 pots, w't 27 lbs. .....each **DHJ** $8.00



No. 393—Pyramid, with arch and basket, height 78 in., width 48 in., depth 22 in., holds 35 to 40 pots, w't 35 lbs., each .....**JFJJ** $10.00



No. 393½—7 step pyramid, height 42 in., width 48 in., depth 22 in., holds 35 to 40 pots, w't 29 lbs. ..each **EAJ** $8.50



No. 398—Semicircular, with arch and basket, height 80 in., length 48 in., depth 32 in., holds 26 to 32 pots, w't 30 lbs. .....each **JFJJ** $10.00

CASTERS.

UNIVERSAL BALL BEARING



Nos. 123-M to 128-L.

Stem, Wrought Steel Horn and Neck, with Spring Socket and Grip Neck.

MAPLE WHEEL.

Nos.	123-M	125-M	127-M
Wheel, in.	1	1¼	1½
W't per set, lb.	⅜	½	⅝
Per set, 4	$0.20	.22	.24
	AA	AB	AB

LIGNUMVITAE WHEEL.

Nos.	123-L	125-L	127-L	128-L
Wheel, in	1	1¼	1½	1⅝
W't, set, lb.	⅜	½	⅞	1⅛
Per set, 4	$0.22	.26	.33	.40
	AB	AD	AH	BB

Stem, Wrought Steel Horn and Neck, with Spring Socket and Grip Neck.

STEEL WHEEL.

Nos.	123-S	125-S	127-S
Wheel, in.	1	1¼	1½
W't per set, lb.	½	⅝	⅞
Per set, 4	$0.22	.26	.33
	AB	AD	AH



Philadelphia or Drive, Wrought Steel Horn and Neck.

MAPLE WHEEL.

Nos.	132-M	133-M	135-M
Wheel, in.	⅞	1	1⅝
W't per set, lb.	⅜	⅛	½
Per set, 4	$0.11	.13	.17
	JE	JG	JG

LIGNUMVITAE WHEEL.

Nos.	132-L	133-L	135-L
Wheel, in.	⅞	1	1⅝
W't per set, lb.	½	⅛	⅛
Per set, 4	$0.15	.17	.21
	JG	JH	AA

STEEL WHEEL.

Nos.	132-S	133-S	135-S
Wheel, in.	⅞	1	1⅝
W't per set, lb.	½	⅛	⅛
Per set, 4	$0.15	.17	.21
	JG	JH	AA

SIX SETS IN A BOX. WE DO NOT BREAK BOXES.

UNIVERSAL GRIP NECK.



Polished Steel, 1 in. Toothed Track Plate Socket, Removable Caster.

MAPLE WHEEL.

Nos.	30-M	40-M	50-M	70-M
Wheels, in.	1	1⅛	1¼	1⅝
W't, set, lb.	⅛	⅜	½	⅝
Per set, 4	$0.20	.21	.22	.25
	JE	JE	JF	JG

LIGNUMVITAE WHEEL.

Nos.	30-L	40-L	50-L	70-L
Wheels, in.	1	1⅛	1¼	1⅝
W't, set, lb.	⅛	⅜	½	⅝
Per set, 4	$0.23	.25	.28	.35
	JF	JG	JI	AA

STEEL WHEEL.

Nos.	30-S	40-S	50-S	70-S
Wheels, in.	1	1⅛	1¼	1⅝
W't, set, lb.	¼	⅜	½	⅝
Per set, 4	$0.25	.27	.30	.37
	JF	JH	JI	AB

An excellent inexpensive caster for all kinds of furniture.

Heavy steel stem and axle with strong steel horn and furnished with a steel spring socket.

SIX SETS IN A BOX. WE DO NOT BREAK BOXES.

BED.



Porcelain Wheel.

IRON WHEEL. Copper Finish.

Nos.	11	12
Sizes, in.	1⅝	1⅝
W't per doz. sets, lbs.	11	12
Per set, 4	$0.16	.18
	JH	AJ

PORCELAIN WHEEL. Copper Finish.

Nos.	111	212
Sizes, in.	1⅝	1⅝
W't per doz. sets, lbs.	10	12
Per set, 4	$0.16	.18
	JH	AJ

FOUR SETS IN A PACKAGE.

PHILADELPHIA.



IRON WHEEL. Copper Finish.

Nos.	303	304
Wheel, in.	1⅝	1¾
W't per doz. sets, lbs.	7½	9
Per set, 4	$0.17	.19
	JG	JH

Lignumvitae Wheel, Copper Finish.

Nos.	1202	1303	1404
Wheel, in.	1	1⅛	1¼
W't, doz. sets, lbs.	4½	6	7
Per set, 4	$0.17	.19	.22
	JG	JH	AJ

SIX SETS IN A BOX. WE DO NOT BREAK BOXES.

ACME BALL BEARING.



Nos. 17 to 20.



Nos. 114 and 16.

WROUGHT STEEL. Nickel Plated.

No. 13—1⅛ in. ball, 1⅛x1¾ in. plate, w't per set 1¼ lbs., per set, 4 FE $0.75

WROUGHT STEEL. Nickel Plated.

Nos.	17	18	19	20
Ball, in.	¾	1	1⅛	1¼
Plate, in.	1⅛	1⅝	1¾	2
W't, set, lbs.	⅜	1⅛	1¼	1½
Per set, 4	$0.65	.70	.75	.80
	EE	FJ	FE	GJ

Nos.	114	15	16
Ball, in.	¾	1	1⅛
Lockstem, in.	¼	⅜	⅜
W't per set, lbs.	¾	1	1¼
Per set, 4	$0.70	.75	.80
	FJ	FE	GJ

ONE SET IN A BOX.

CASTERS.

FELTOID CASTERS.

Feltoid Wheels are Made of a Specially Treated Material Prepared to Withstand Every Kind of Hard Use and Retain Their Original Shape. They Roll Silently Without Leaving the Slightest Mark Upon the Most Highly Polished Floor.



"Steel Gem" Roller Bearing, Steel Horn, and Grip Neck Socket, Brass Plated
FELTOID WHEELS.

Nos.	136	146	166
Diam. wheel, in.	1 1/2	1 3/4	1 3/4
W't per set, lbs.	3/4	7/8	1
Per set, 4	$0.88	1.10	1.34
	GJ	JIJ	AJE

ONE SET IN A BOX.



"Steel Gem" Square Plate Roller Bearing Steel Horn, Brass Plated
FELTOID WHEELS.

Nos.	236	246	266
Diam. wheels, in.	1 1/2	1 3/4	1 3/4
Size plate, in.	1 1/2 x 1 1/2	1 1/2 x 1 1/2	1 3/4 x 1 3/4
W't per set, lbs.	3/4	3/4	1 1/8
Per set, 4	$0.88	1.10	1.34
	GJ	JIJ	AJE

ONE SET IN A BOX.

FELTOID CASTERS.



Metallic Bedstead Spring Attachment Steel Horn, Brass Plated.
FELTOID WHEELS.

Nos.	563	567	663	667
Size bedstead tube, outside diam., in.	3/4	3/4	1	1 1/4
Diam. wheels, in.	1 1/2	1 1/2	1 1/2	1 1/2
W't, set, lbs.	3/4	3/4	1	1 1/4
Per set, 4	$1.50	1.50	1.60	1.60
	ABJ	ABJ	ACJ	ACJ

Nos.	763	767	863	867
Size bedstead tube, outside diam., in.	1	1 1/4	1 1/2	2
Diam. wheels, in.	1 1/2	1 1/2	1 3/4	1 3/4
W't, set, lbs.	1 1/8	1 1/4	2 1/4	2 1/4
Per set, 4	$2.00	2.00	2.50	2.50
	AFJ	AFJ	BJJ	BJJ

ONE SET IN A BOX.

STANDARD BALL BEARING.



Metallic Bedstead, with Attachment for 2 Inch Outside Diameter Tube.

No. 8-MB—Lignumvitae wheel, 1 7/8 in. diam., steel horn, w't per set 1 3/4 lbs., per set, 4 ..... CJ $0.56

No. 8-BS—1 7/8 in., brass plated wheel, brass plated horn, for brass bedstead, w't per set 1 1/8 lbs., per set, 4 ..... EJ $0.94

THREE SETS IN A PACKAGE.

BALL BEARING.



Nos. 45-S to 50-S.



Nos. 45-M to 56-L.

Standard, Universal Metallic Bedstead with Spring Attachment, Wrought Steel.

MAPLE WHEEL.

Nos.	45-M	55-M	65-M
Size bedstead tube, outside diam., in.	3/4 or 7/8	3/4 or 7/8	1 or 1 1/8
Wheel, in.	1 1/2	1 3/4	1 3/8
W't per set, lb.	1/2	3/4	7/8
Per set, 4	$0.22	.24	.28
	AB	AB	AC

LIGNUMVITAE WHEEL.

Nos.	45-L	58-L	65-L	75-L
Size bedstead tube, outside diam., in.	3/4 or 7/8	1 or 1 1/8	1 or 1 1/8	1 1/4 or 1 3/8
Wheel, in.	1 1/2	1 3/4	1 3/8	1 3/8
W't, set, lbs.	5/8	3/4	1	1 1/8
Per set, 4	$0.26	.30	.34	.39
	AF	AF	AI	BJ

STEEL WHEEL.

Nos.	45-S	58-S	75-S
Size bedstead tube, outside diam., in.	3/4 or 7/8	1 or 1 1/8	1 1/4 or 1 3/8
Wheel, in.	1 1/8	1 1/4	1 3/8
W't per set, lbs.	3/4	1	1 1/8
Per set, 4	$0.28	.33	.42
	AE	AH	BB

For use on iron beds.

SIX SETS IN A BOX. WE DO NOT BREAK BOXES.

"DOMES OF SILENCE" METALLIC BED SLIDES.



No. 26—For 7/8 in. outside diam. of bedstead tube, per gro. sets EAHE $86.40

No. 36—For 1 1/4 or 1 3/8 in. outside diam. of bedstead tube, per gross sets ..... EAHE $86.40

No. 46—For 2 in. outside diam. of bedstead tube, per gross sets ..... JFDHJ $108.00

Glide softly, silently and smoothly over carpets, rugs and hardwood floors.

SIX SETS IN A BOX. WE DO NOT BREAK BOXES.

CASTERS.

BALL BEARING.



Oblong Plate.

UNIVERSAL, Basic Steel Frame and Wheel, Steel Bearings, Oblong Plate.

STEEL WHEEL.

Nos.	3-S	5-S	7-S
Wheel, in.	1⅛	1¼	1⅝
W't per set, lb.	¾	¾	1
Per set, 4	$0.24	.32	.45
	AA	AC	AH

LIGNUMVITAE WHEEL.

Nos.	3-L	5-L	7-L
Wheel, in.	1⅛	1¼	1⅝
W't, set, lbs.	¾	1¼	1⅝
Per set, 4	$0.24	.32	.45
	AA	AC	AH

These casters are entirely constructed from the highest grade of heavy gauge basic (or base) steel with heavy arle. The steel balls are 7-32 in. in diameter and are used in all size casters. The "Universal" has the advantage over other disc bearing casters, as the balls will revolve readily in every direction, whereas other discs roll only horizontally, and any little obstruction, such as a small wood splinter, will prevent the disc from performing its functions.

In ordering give outside diameter of tubing casters are to fit.

PAYSON'S ANTI-FRICTION FURNITURE.

Oblong Plate.



Philadelphia Stem.

IRON WHEEL. Oblong Plate, Bronze Finish.

Nos.	182-37	183-37	184-37	186-37
Wheel, in.	1⅛	1⅛	1⅝	2
Plate, in.	1¼	1⅝	1⅞	2⅛
W't, set, lbs.	1	2	3	4
Per set, 4	$0.60	.75	.95	1.25
	AG	BJ	BE	JCD

LIGNUMVITAE WHEEL. Oblong Plate, Bronze Finish.

Nos.	182-38	183-38	184-38
Wheel, in.	1⅛	1⅛	1⅝
Plate, in.	1¼	1⅝	1⅞
W't per set, lbs.	1	1½	2¼
Per set, 4	$0.65	.80	1.00
	AH	BA	JBI

Philadelphia Stem, Bronze Finish.

No. 182-45—Iron wheel, 1⅛ in., 1¼ in. plate ..... per set, 4 **AG** $0.60

No. 182-46—Lignumvitae wheel, 1⅛ in., 1¼ in. plate ....per set, 4 **AG**..$0.65

ONE SET IN A BOX. W'T 1 LB. PER SET.

PAYSON'S ANTI-FRICTION FURNITURE.



Common Stem, Bronze Finish.

No. 183-33—1½ in. iron wheel, 1⅝ in. plate, w't per set 1½ lbs., per set, 4 .....**BJ** $0.75

ONE SET IN A BOX.

PAYSON'S SHIRT WAIST BOX.



No. 98-37—Iron wheel, ball bearing 1 7/16x1 5/16 in. plate, wheel ¾ in. diam. and ½ in. face, height over all 1⅝ in., per set, 4 .....**BF** $0.80

No. 98-38—Lignumvitae wheel, otherwise same as No. 98-37, per set, 4 **BE** $0.85

Exceptionally valuable for shirtwaist boxes where an active small caster is required and also fills a very decided need for other uses.

TUCKER'S FURNITURE.



Iron Wheels.



Lignumvitae Wheels.

IRON WHEELS, Round Plate, Bronze Finish.

Nos.	221	231	241	251
Wheels, in.	1⅛	1⅜	1⅜	1⅞
Plate, in.	1¼	1½	1¾	2
W't per set, lbs.	¾	1½	2	2½
Per set, 4	$0.70	.80	.90	1.00
	DF	EJ	FJ	JFE

ONE SET IN A BOX.

LIGNUMVITAE WHEELS, Round Plate, Bronze Finish.

Nos.	227	237	247	257
Wheels, in.	1⅛	1⅜	1⅜	1⅞
Plate, in.	1¼	1½	1¾	2
W't per set, lbs.	¾	1¼	1½	2
Per set, 4	$0.70	.80	.90	1.00
	DF	EJ	FJ	JFE

ONE SET IN A BOX.

TUCKER'S FURNITURE.



Iron Wheels.



Lignumvitae Wheels

IRON WHEELS, Oblong Plate, Bronze Finish.

Nos.	222	232
Wheels, in.	1⅛	1⅜
Plate, in.	1⅛x1⅜	1⅜x1⅜
W't per set, lbs.	¾	1½
Per set, 4	$0.70	.80
	DF	EJ

Nos.	242	252
Wheels, in	1⅜	1⅜
Plate, in.	1⅜x2¼	1⅜x2½
W't per set, lbs.	2	2½
Per set, 4	$0.90	1.00
	FJ	JFE

ONE SET IN A BOX.

LIGNUMVITAE WHEELS, Oblong Plate, Bronze Finish.

Nos.	228	238
Wheels, in.	1⅛	1⅜
Plate, in.	1⅛x1⅝	1⅜x1⅜
W't per set, lbs.	¾	1¼
Per set, 4	$0.70	.80
	DD	EB

Nos.	248	258
Wheels, in	1⅜	1⅜
Plate, in.	1⅜x2¼	1⅜x2½
W't per set, lbs.	1½	2
Per set, 4	$0.90	1.00
	FJ	JFE

ONE SET IN A BOX.



Round Plate.



Oblong Plate.

Soft Rubber Tire Wheels, ROUND PLATE, Brass Finish.

Nos.	2227	2237	2247
Wheels, in.	1¼	1½	1¾
Plate, in.	1¼	1½	1¾
W't per set, lbs.	1	1½	2¼
Per set, 4	$2.50	2.75	3.00
	AFJ	AHJ	AIE

ONE SET IN A BOX.

Soft Rubber Tire Wheels, OBLONG PLATE, Brass Finish

Nos.	2228	2238	2248
Wheels, in.	1¼	1½	1¾
Plate, in.	1¼x1⅝	1½x1⅞	1¾x2¼
W't per set, lbs.	1	1¼	2¼
Per set, 4	$2.50	2.75	3.00
	AFJ	AHJ	AIE

ONE SET IN A BOX.

CASTERS, CASTER CUPS AND DOMES OF SILENCE.

TUCKER'S FOX STEM FURNITURE.



Lignumvitae Wheels. Rubber Tire Wheels.

LIGNUMVITAE WHEELS, Bronze Finish.

Nos.	220	230	240	250
Wheels, in..	1⅛	1⅜	1⅝	1⅞
Plate, in. ..	½	1	1	1
W't per set, lbs.	¾	1¼	1½	2
Per set, 4...	$0.70	.80	.90	1.00
	DF	EJ	FJ	JFE

SOFT RUBBER TIRE Wheels, Brass Finish.

Nos.	2220	2230	2240
Wheels, in.	1¼	1½	1¾
Plate, in.	½	1	1
W't per set, lbs.	1	1¾	1⅞
Per set, 4	$2.50	2.75	3.00
	AFJ	AHJ	AIE

ONE SET IN A BOX.

MARTIN'S FURNITURE.



Nos. 21 to 51. Nos. 22 to 52.

ROUND PLATE, Iron Wheels, Copper Finish.

Nos.	21	31	41	51
Wheels, in..	1	1⅜	1⅝	1⅞
Plate, in. ..	1¼	1⅝	1⅞	2⅛
W't per set, lbs.	1	2	3	4
Per set, 4 ..	$0.80	.95	1.10	1.25
	DB	DC	DE	JFJ

OBLONG PLATE, Iron Wheels, Copper Finish.

Nos.	22	32
Wheels, in.	1	1¾
Plate, in.	1⅛x1⅜	1⅝x2¼
W't per set, lbs.	1	2
Per set, 4	$0.80	.95
	DB	DC

Nos.	42	52
Wheels, in.	1⅝	1⅞
Plate, in.	1⅞x2¼	2⅛x3⅛
W't per set, lbs.	3	4
Per set, 4	$1.10	1.25
	DE	JFJ

ONE SET IN A BOX.

MARTIN'S FURNITURE.



Round Plate, Lignumvitae Wheels, Copper Finish.

Nos.	27	37	47	57
Wheels, in..	1	1¼	1⅝	1⅞
Plate, in. ..	1¼	1⅝	1⅞	2⅛
W't per set, lbs.	1	2	3	4
Per set, 4 ..	$0.85	1.00	1.15	1.30
	DC	DF	DH	JEE

ONE SET IN A BOX.



Oblong Plate, Lignumvitae Wheels, Copper Finish.

Nos.	28	38
Wheels, in.	1	1⅜
Plate, in.	1⅛x1⅜	1⅝x2¼
W't per set, lbs.	1	2
Per set, 4	$0.85	1.00
	DC	DE

Nos.	48	58
Wheels, in.	1⅝	1⅞
Plate, in.	1⅞x2¼	2⅛x3⅛
W't per set, lbs.	3	4
Per set, 4	$1.15	1.30
	DH	JEE

ONE SET IN A BOX.

GLASS CASTER CUPS.



Nos.	200	300
Diam., in.	2	3
W't per set, lbs.	1	1½
Per set, 4	$0.20	.20
	BJ	BJ

These caster cups when used under a refrigerator or kitchen cabinet should contain a small quantity of kerosene oil. This will prevent ants and other vermin from entering same.

THREE SETS IN A BOX. WE DO NOT BREAK BOXES.

DOMES OF SILENCE DISPLAY CASES.



No. 100—Case contains 100 sets assorted casters as follows—

15 sets No. 01
25 sets No. 02
30 sets No .03
30 sets No. 04
w't per case 3 lbs.,
per case ..... JFJJ $10.00

"Domes of Silence," Polished Nickel Steel, Hardened by Secret Process.

No. 01—⅞ in., for any heavy furniture, in sets of 4,
per gross sets ..... JHFE $28.80

No. 02—¾ in., for dining and parlor chairs, tables, etc., in sets of 4, per gross sets ..... JHFE $28.80

No. 03—⅝ in., for small light chairs, in sets of 4,
per gross sets ..... JHFE $28.80

No. 04—½ in., in sets of 4, per gross sets ..... JHFE $28.80

No. 05—⅜ in., in sets of 4, per gross sets ..... JHFE $28.00

Perfectly noiseless and saves wear on rugs and carpet.

Chairs and light tables can be fitted with a light hammer. Heavy pieces can be fitted by lifting and placing caster in position under each leg, the weight being sufficient to seat the prongs. "Domes of Silence" are superior in beauty of finish and sliding qualities to the cheap imitations now on the market.

Use largest size caster space will permit.

With orders for ¼ gross sets (one dozen of each size), we will furnish a handsome Easel Display Box holding 3 dozen sets of casters, which when set on show case, will very materially increase sale.

TWELVE SETS IN A BOX.

"HO" SLIDING CASTER.



Composition Steel, Nickel Plated.

No. 119—½ in., per gro. sets DCJ $7.20
No. 118—⅝ in., per gro. sets DCJ $7.20
No. 117—¾ in., per gro. sets DCJ 7.20
No. 116—⅞ in., per gro. sets DCJ 7.20

Designed to meet the competition on a cheap sliding caster.

ONE-HALF GROSS SETS IN A BOX. PACKED LOOSE.

CASTERS.

SWIVEL TRUCK.



Cast Iron, Japanned, Steel Axle.

No. 33—3 in. wheel, face of wheel ⅜ in., 2¼x2¼ in. plate, w't per doz. 20 lbs., per dozen ..... BJE $3.60

No. 34—4 in. wheel, face of wheel 1 in., 3x3 in. plate, w't per doz. 30 lbs., per dozen ..... BGE $4.80

STATIONARY TRUCK.



Cast Iron, Japanned, Steel Axle.

No. 23—3 in. wheel, face of wheel 1 in., 3x5 in. plate, w't per doz. 18 lbs., per dozen ..... AHJ $3.00

No. 24—4 in. wheel, face of wheel ⅜ in., 3x5 in. plate, w't per doz. 30 lbs., per dozen ..... BEJ $4.20



Cast Iron, Natural Finish, Steel Axle.

Nos.	4	7	8
Wheel, in.	2½x1¼	2½x⅜	3x⅞
Face, in.	1⅛	1	1
Plate, in.	3x4⅝	3x4¼	3x4¾
Height, in.	3	3¼	3½
W't per doz., lbs.	15	21	24
Per dozen	$3.60	4.20	4.80
	AGE	BAE	BDE
Nos.		10	14
Wheel, in.		3½x1	5½x1½
Face, in.		1	1¾
Plate, in.		3x4¼	4½x7
Height, in.		4	5¾
W't per doz., lbs.		30	102
Per dozen		$6.00	16.80
		CAJ	JHFJ

PAYSON'S TRUCK.



Cast Iron, Natural Finish Frame and Wheel, Roller Bearings, Oblong Plate.

Nos.	188	190
Wheel, in.	2½	3½
Plate, in.	3x4¼	3½x5
W't per set, lbs.	12	14
Per set, 4	$2.75	4.00
	JGE	AAJ

Nos.	191	192
Wheel, in.	3½	4
Plate, in.	5x3½	6¼x4¼
W't per set, lbs.	16	36
Per set, 4	$6.50	12.00
	AGE	JCDJ

No. 192 casters are extra heavy and sterong, particularly adapted for heavy loads, used extensively in tobacco and soap factories, also in tanneries and leather factories.

MARTIN'S TRUCK.



Iron Wheels, Oblong Plate, Natural Finish.

Nos.	82	102	112
Wheels, in.	2½	3½	3⅝
Plate, in.	3¼x4½	3¼x4½	3½x5½
W't per set, lbs.	11	13	19
Per set, 4	$2.00	2.50	3.75
	JIE	ABJ	AHJ

Nos.	122	142
Wheels, in.	4¾	4½
Plate, in.	4½x6⅜	5⅞x7⅝
W't per set, lbs.	40	64
Per set, 4	$7.00	11.00
	CCE	JEDJ

NO. 112, FOUR SETS; BALANCE, ONE SET IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

MARTIN'S TRUCK.



Soft Rubber Tire Wheels, Oblong Plate.

Nos.	62R	82R	102R
Wheels, in.	2	2½	3
Plate, in.	2½x3½	3½x4½	3½x4⅝
W't per set, lbs.	8	14	18
Per set, 4	$4.50★	7.00★	9.50★
	BCJ	CFJ	DHE

Nos.	112R	122R	142R
Wheels, in.	3½	4¼	5
Plate, in.	3½x5	4¼x6¼	5x7¼
W't per set, lbs.	27	52	84
Per set, 4	$14.00★	22.50★	35.00★
	JGBJ	AAEE	AHJJ

MAIL ORDER DEPARTMENT

Our constant attention in fifty-eight years of business has been given to the perfecting of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

CASTERS.

STOVE CASTERS.



No. 1—Ball bearing, gray iron casting, neatly japanned, fitted with all steel ball bearing casters, w't per crate 37½ lbs., per dozen sets **AJHJ** $19.00

Base is reinforced in such places where it carries the greatest weight, making it extra strong and durable. Where the body of the stove rests itself, prongs are located to keep the stove rigid, obviating the possibility of the stove slipping off the truck. Can be used under a square base range without feet as well as a stove with feet.

ONE-HALF DOZEN SETS IN A CRATE.



No. 2—Japanned, plain steel wheels, w't per doz. sets 72 lbs., per dozen sets .....**JHAJ** $14.00

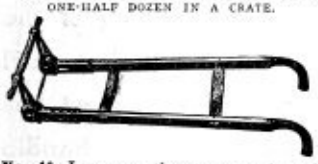
LOOSE IN BARRELS; FIVE DOZEN SETS IN A BARREL.

STOVE TRUCKS.

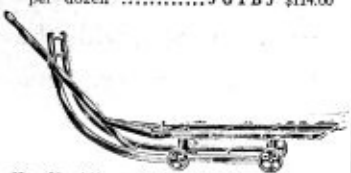


No. 25—Martin's, japanned steel frame, adjustable from 18x22 to 24x36 in., 4 swivel casters, w't per doz. 200 lbs., per dozen .....**BFDJ** $30.00

ONE-HALF DOZEN IN A CRATE.



No. 10—Leavenworth, stove truck and carrier, length 4 ft., w't 22 lbs., per dozen .....**JGIBJ** $114.00



No. 20—All steel, length of stove rest 4 ft., wheels 4 in., height raised 7½ in., lowered 5½ in., w't 50 lbs., per dozen ..... JFHDJ $114.00

STOVE CASTERS.



Low Base

No. 100—Harper, improved, japanned, with 3 iron swivel wheels, height of center ½ in., diam. of cup 2½ in., w't per doz. sets 120 lbs., per dozen sets .....**AJAJ** $19.00

The wheels are larger than heretofore used. The caster pins do not project above the arms. There is a screw hole through each arm so they can be fastened to any flat surface.

FOUR CASTERS TO A SET.



High Base.

No. 105—Harper, japanned, with 3 iron covered swivel wheels, height of center 3 in., diam. of cup 2½ in., w't per doz. sets 120 lbs., per dozen sets .....**AJAJ** $19.00

Raises the stove or range 3 in. from the floor. Will pass over rough or uneven surfaces in the floor without becoming displaced. Can be used under a range without feet as well as stoves with feet. It is very strong.

FOUR CASTERS TO A SET.

ADAMS STOVE CASTERS AND RANGE ATTACHMENTS.



Adams—Very strong and flexible, main casting japanned, with three coppered swivel wheels, height of center 1 in., holes are provided for screwing the casters to a box, making a handy box truck, opening of socket 3¼ in. in diam., w't per doz. sets 114 lbs., complete with range attachments, per dozen .....**ABFJ** $30.40

The small casters being swiveled to the main casting by a pivot, turn from one direction to another with the utmost readiness.

To make range casters, insert the attachment in foot hole of regular stove caster. No stove leg too large for Adams caster.

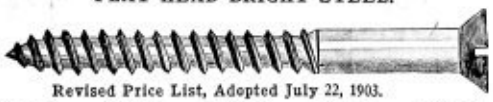
FOUR CASTERS CONSTITUTE A SET.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

WOOD SCREWS.

FLAT HEAD BRIGHT STEEL.



Revised Price List, Adopted July 22, 1903.

¼ Inch. Per No.	Gro.	⅜ Inch. Per No.	Gro.	½ Inch. Per No.	Gro.	⅝ Inch. Per No.	Gro.	¾ Inch. Per No.	Gro.
0	$0.72	0	$0.72★	1	$0.72★	1	$0.72★	2	$0.72★
1	.72	1	.72★	2	.72	2	.72★	3	.75★
2	.72	2	.72	3	.72	3	.72	4	.78
3	.72★	3	.72	4	.75	4	.75	5	.82
4	.72★	4	.72	5	.78	5	.78	6	.85
		5	.75	6	.80	6	.82	7	.90
		6	.78	7	.84	7	.86	8	.95
		7	.82	8	.90	8	.92	9	1.00
		8	.88	9	.96	9	.98	10	1.10
		9	.94★	10	1.05	10	1.07	11	1.15
				11	1.10★	11	1.12★	12	1.25
				12	1.30★	12	1.20	13	1.35
						13	1.25★	14	1.50
						14	1.30★	15	1.65★
								16	1.80★

⅞ Inch. Per No.	Gro.	1 Inch. Per No.	Gro.	1¼ Inch. Per No.	Gro.	1½ Inch. Per No.	Gro.	1¾ Inch. Per No.	Gro.
2	$0.74★	3	$0.80★	3	$0.88★	3	$0.98★	5	$1.30★
3	.78★	4	.84★	4	.92★	4	1.05★	6	1.35★
4	.82★	5	.87	5	.98★	5	1.10★	7	1.45
5	.85	6	.92	6	1.05	6	1.15	8	1.50
6	.90	7	.98	7	1.10	7	1.20	9	1.55
7	.94	8	1.05	8	1.15	8	1.30	10	1.60
8	1.00	9	1.10	9	1.20	9	1.35	11	1.70
9	1.05	10	1.20	10	1.30	10	1.40	12	1.80
10	1.15	11	1.30	11	1.40	11	1.50	13	2.00
11	1.25	12	1.40	12	1.55	12	1.65	14	2.25
12	1.35	13	1.60	13	1.70	13	1.80	15	2.60
13	1.45	14	1.70	14	1.90	14	2.00	16	2.90
14	1.55	15	2.00	15	2.15	15	2.35	17	3.50★
15	1.75★	16	2.50	16	2.50	16	2.80	18	4.00
16	2.00★	17	2.70★	17	2.75★	17	3.20★	20	4.50★
		18	2.80★	18	3.30	18	3.80	22	5.20★
		20	3.50★	20	4.00★	20	4.30	24	6.00★
				22	4.80★	22	5.10★		
				24	5.40★	24	5.90★		

2 Inch. Per No.	Gro.	2¼ Inch. Per No.	Gro.	2½ Inch. Per No.	Gro.	2¾ Inch. Per No.	Gro.	3 Inch. Per No.	Gro.
5	$1.45★	5	$1.55★	5	$1.90★			6	$2.95★
6	1.50	6	1.60★	6	2.00★	6	$2.40★	7	3.00★
7	1.55	7	1.65★	7	2.10★	7	2.60★	8	3.05★
8	1.60	8	1.75	8	2.20	8	2.70★	9	3.10★
9	1.65	9	1.85★	9	2.30	9	2.80★	10	3.15
10	1.75	10	1.95	10	2.40	10	2.90★	11	3.20★
11	1.85	11	2.05	11	2.50	11	3.00★	12	3.30
12	2.00	12	2.20	12	2.60	12	3.10★	13	3.40★
13	2.20	13	2.35★	13	2.70	13	3.20★	14	3.50
14	2.45	14	2.65	14	2.90	14	3.30★	15	3.80
15	2.75	15	3.10★	15	3.30	15	3.60★	16	4.20
16	3.10	16	3.50	16	3.65	16	3.90★	17	4.80★
17	3.70★	17	3.85★	17	4.20★	17	4.50★	18	5.50
18	4.20	18	4.55★	18	4.70	18	5.00★	20	6.50
20	4.80	20	5.30★	20	5.80	20	6.10★	22	7.50★
22	5.50★	22	6.10★	22	6.70★	22	7.20★	24	8.70★
24	6.40★	24	6.90★	24	7.50★	24	8.50★	26	10.50★

3½ Inch. Per No.	Gro.	4 Inch. Per No.	Gro.	4½ Inch. Per No.	Gro.	5 Inch. Per No.	Gro.	6 Inch Per No.	Gro.
8	$3.90★	10	5.20★	12	$7.00★	12	$8.10★	12	$10.00★
9	4.00★	11	5.30★	13	7.30★	13	8.30★	13	10.30★
10	4.10★	12	5.40★	14	7.60★	14	8.60★	14	11.00★
11	4.20★	13	5.60★	15	7.85★	15	9.10★	15	11.60★
12	4.30★	14	5.90★	16	8.15★	16	9.70★	16	12.40★
13	4.40★	15	6.20★	17	8.60★	17	10.10★	17	13.00★
14	4.50	16	6.50	18	9.15★	18	11.00★	18	14.50★
15	4.75★	17	7.00★	20	9.85★	20	11.50★	20	16.00★
16	4.95	18	7.60	22	11.20★	22	13.00★	22	18.00★
17	5.40★	20	8.60	24	13.50★	24	15.00★	24	20.00★
18	6.15	22	9.70★	26	16.00★	26	18.00★	25	23.00★
20	7.30	24	11.20	28	18.50★	28	21.00★	28	27.00★
22	8.70★	26	14.00★	30	21.50★	30	24.00★	30	30.50★
24	10.20★	28	16.00★						
26	12.00★	30	18.50★						

ONE GROSS IN A BOX.

FLAT HEAD BRASS.



Revised Price List, Adopted July 22, 1903.

¼ Inch. Per No.	Gro.	⅜ Inch. Per No.	Gro.	½ Inch. Per No.	Gro.	⅝ Inch. Per No.	Gro.	¾ Inch. Per No.	Gro.
0	$0.84★	0	$0.84★	1	$0.92★	1	$0.96★	2	$1.12★
1	.84★	1	.87★	2	.96	2	1.00★	3	1.18★
2	.88★	2	.92	3	1.02	3	1.08	4	1.25
3	.92★	3	.97	4	1.08	4	1.15	5	1.40
4	.97★	4	1.04	5	1.20	5	1.30	6	1.55
5	1.04★	5	1.12	6	1.30	6	1.40	7	1.75
		6	1.20★	7	1.45★	7	1.60	8	2.00
		7	1.35★	8	1.65★	8	1.85	9	2.30
		8	1.50★	9	1.90★	9	2.10★	10	2.65
				10	2.15★	10	2.40★	11	3.00★
						11	2.65★	12	3.35★
						12	3.00★	13	3.70★
						13	3.35★	14	4.10★
						14	3.70★	15	4.55★
						15	4.10★	16	5.05★
						16	4.55★		

⅞ Inch. Per No.	Gro.	1 Inch. Per No.	Gro.	1¼ Inch. Per No.	Gro.	1½ Inch. Per No.	Gro.	1¾ Inch. Per No.	Gro.
2	$1.40★	3	$1.65★	3	$2.10★	4	$2.95★	6	$3.95★
3	1.50★	4	1.70★	4	2.20★	5	3.05★	7	4.00★
4	1.55★	5	1.75	5	2.25★	6	3.10★	8	4.10★
5	1.60★	6	1.80	6	2.35★	7	3.20★	9	4.20★
6	1.65	7	2.10	7	2.45★	8	3.30	10	4.70★
7	1.90	8	2.45	8	2.85	9	3.65★	11	5.35★
8	2.20	9	2.80	9	3.20	10	4.25	12	6.05★
9	2.50	10	3.15	10	3.50	11	4.65★	13	6.70★
10	2.90	11	3.65★	11	4.10★	12	5.35	14	7.35★
11	3.35★	12	4.10★	12	4.65	13	5.95★	15	8.65★
12	3.70★	13	4.55★	13	5.35★	14	6.65★	16	9.50★
13	4.10★	14	5.05★	14	5.85★	15	7.60★	17	10.45★
14	4.55★	15	5.60★	15	6.55★	16	8.35★	18	12.40★
15	5.05★	16	6.65★	16	7.20★	17	9.15★	20	14.50★
16	5.60★			17	7.85★	18	10.85★	22	16.85★
				18	9.35★	20	12.65★	24	18.90★
				20	10.45★	22	14.50★		

2 Inch. Per No.	Gro.	2¼ Inch. Per No.	Gro.	2½ Inch. Per No.	Gro.	3 Inch. Per No.	Gro.
6	$5.15★	8	$6.85★	9	$9.40★	10	$13.70★
7	5.20★	9	6.95★	10	9.50★	11	13.85★
8	5.25★	10	7.05★	11	9.60★	12	14.00★
9	5.30★	11	7.25★	12	9.70★	13	14.10★
10	5.40★	12	7.90★	13	9.85★	14	14.30★
11	6.15★	13	8.80★	14	10.75★	15	14.60★
12	6.85★	14	9.80★	15	11.85★	16	15.40★
13	7.55★	15	10.75★	16	13.00★	17	16.80★
14	8.45★	16	11.90★	17	14.30★	18	19.95★
15	9.75★	17	13.00★	18	16.95★	20	23.40★
16	10.70★	18	15.40★	20	19.85★	22	27.10★
17	11.70★	20	18.00★	22	23.00★	24	31.15★
18	13.90★	22	20.95★	24	25.50★	26	35.85★
20	16.30★	24	23.30★				
22	18.90★						
24	21.00★						

ONE GROSS IN A BOX.

★THESE SIZES ARE NOT CARRIED IN STOCK, BUT CAN BE SHIPPED PROMPTLY FROM FACTORY.

WOOD AND SET SCREWS.

ROUND HEAD BRASS WOOD SCREWS.



List Prices Same as for Flat Head Brass Screws.

No.	½ in. Per Gro.	⅝ in. Per Gro.	¾ in. Per Gro.	⅞ in. Per Gro.	1 in. Per Gro.	1¼ in. Per Gro.	1½ in. Per Gro.
3	$1.02	.....	.....	.....	.....	.....	.....
4	1.08	$1.15	$1.25	.....	.....	.....	.....
5	1.20	1.30	1.40	.....	.....	.....	.....
6	1.30	1.40	1.55	$1.65	$1.80	.....	.....
7	....	1.60	1.75	1.90	2.10	.....	.....
8	....	....	2.00	2.20	2.45	$2.85	$3.30
9	....	....	....	2.50	2.80	3.20	3.65
10	....	....	2.65	....	3.15	3.50	4.25
12	....	....	....	....	....	4.65	5.35

We give above the list on all sizes Round Head Brass Screws which we carry in stock.

ONE GROSS IN A BOX.

ROUND HEAD BLUED STEEL WOOD SCREWS.



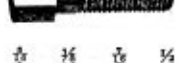
List Prices Same as for Flat Head Bright Screws.

No.	½in. Per Gro.	⅝in. Per Gro.	¾in. Per Gro.	⅞in. Per Gro.	1in. Per Gro.	1¼in. Per Gro.	1½in. Per Gro.	1¾in. Per Gro.	2 in. Per Gro.
3	$0.72	.....	.....	.....	.....	.....	.....	.....	.....
4	.75	$0.75	.....	.....	.....	.....	.....	.....	.....
5	.78	.78	$0.82	.....	.....	.....	.....	.....	.....
6	....	.82	.85	.....	$0.92	.....	.....	.....	.....
7	....	....	.90	$0.94	.98	.....	.....	.....	.....
8	....	....	.95	1.00	1.05	$1.15	$1.30	.....	$1.60
9	....	....	1.00	1.05	1.10	1.20	1.35	.....	1.65
10	....	....	1.10	1.15	1.20	1.30	1.40	$1.60	1.75
11	....	....	....	....	. ..	1.40	1.50	....	....
12	....	....	....	....	....	1.55	1.65	1.80	2.00

We give above the list on all sizes Round Head Blued Steel Screws which we carry in stock.

ONE GROSS IN A BOX

SQUARE AND HEXAGON HEAD CAP SCREWS.



Lgth. Diam.	Head Screw	¼ ¼ Per 100	⅜ ⅜ Per 100	⅜ ⅜ Per 100	⅜ ⅜ Per 100	½ ½ Per 100	⅝ ⅝ Per 100	⅝ ⅝ Per 100	¾ ¾ Per 100
¾	inch	$3.00	$3.25	$3.75	$4.50	$5.70	.....	.....	.....
⅞	inch	3.15	3.40	3.90	4.70	5.80	.....	.....	.....
1	inch	3.25	3.50	4.00	4.90	5.90	$9.25	$9.25	.....
1¼	inch	3.50	3.75	4.25	5.30	6.50	9.50	9.50	$12.50
1½	inch	3.75	4.00	4.50	5.70	7.10	10.00	10.00	13.50
1¾	inch	4.00	4.25	4.85	6.10	7.70	10.75	10.75	14.50
2	inch	4.25	4.85	5.20	6.50	8.30	11.50	11.50	15.50
2¼	inch	4.70	5.35	5.55	7.15	8.90	12.60	12.60	16.50
2½	inch	5.25	5.80	6.00	7.50	9.50	13.60	13.60	17.50
2¾	inch	5.75	6.30	6.65	7.90	10.10	14.40	14.40	19.00
3	inch	6.25	6.90	7.20	8.40	10.70	15.20	15.20	20.60

FLAT HEAD JAPANNED STEEL WOOD SCREWS.



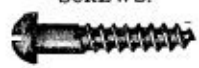
List Prices Same as for Flat Head Bright Screws.

No.	¾ in. Per Gro.	⅞ in. Per Gro.	1 in. Per Gro.	1¼ in. Per Gro.	1½ in. Per Gro.
8	$0.95	$1.00	$1.05	.....	.....
9	.....	1.05	1.10	$1.20	.....
10	.....	....	1.20	1.30	$1.40
11	.....	....	1.30	1.40	1.50
12	.....	....	....	....	1.65

We give above the list on all sizes Flat Head Japanned Steel Screws which we carry in stock.

ONE GROSS IN A BOX.

ROUND HEAD IRON, NICKEL PLATED WOOD SCREWS.



List Prices Same as for Flat Head Bright Screws.

No.	¾ in. Per Gro.	⅞ in. Per Gro.	1 in. Per Gro.	1¼ in. Per Gro.	1½ in. Per Gro.	1¾ in. Per Gro.	2 in. Per Gro.
5	$0.82	.....	.....	.....	.....	.....	.....
6	.85	.....	$0.92	.....	.....	.....	.....
7	.90	$0.94	.98	.....	.....	.....	.....
8	.95	1.00	1.05	$1.15	$1.30	.....	.....
9	....	....	1.10	1.20	1.35	.....	.....
10	....	....	1.20	1.30	1.40	$1.60	$1.75
12	....	....	....	....	1.65	1.80	2.00

We give above the list on all sizes Round Head Nickel Plated Screws which we carry in stock.

ONE GROSS IN A BOX.

SET SCREW ASSORTMENTS.



Set Screws, square head, w't per box 5 lbs., 100 in a box assorted as follows—

3 each ¼x½, ¾ and 1 in.
3 each, ⅜x½, ¾, 1 and 1¼ in.
3 only, ⅜x1½ in.
5 only, ⅜x1½ in.
8 only, ½x1 in.
10 each, ⅜x¾, 1 and 1¼ in.
3 each, ⅞x¾, 1, 1¼ and 1½ in
5 each, ½x¾, 1¼ and 1½ in.
3 each, ½x1¾ and 2 in.

Per assortment .....JIE $1.70

IRON SET SCREWS.



Diam. Screw / Threads to in.	¼ 20	⅜ 18	⅜ 16	⅞ 14	½ 12	⅝ 12	⅝ 11	¾ 10
Add for each ¼ in.	$0.50	$0.60	$0.70	$0.80	$0.90	$1.10	$1.10	$1.50
	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100	Per 100
½ inch	$1.80	$2.00	$2.35	.....	.....	.....	.....	.....
⅝ inch	1.90	2.10	2.45	$2.80	$3.30	.....	.....	.....
¾ inch	2.00	2.20	2.50	2.90	3.40	$5.00	$5.00	.....
⅞ inch	2.10	2.30	2.60	3.00	3.60	5.50	5.50	.....
1 inch	2.15	2.35	2.65	3.10	3.80	5.75	5.75	$10.00
1¼ inch	2.30	2.50	2.85	3.50	4.30	6.50	6.50	11.00
1 ½inch	2.50	2.70	3.10	4.00	4.80	7.25	7.25	12.00
1¾ inch	2.75	3.00	3.50	4.50	5.40	8.00	8.00	12.80
2 inch	3.25	3.50	4.00	5.15	6.00	8.80	8.80	13.60
2¼ inch	3.75	4.00	4.50	5.75	6.75	9.60	9.60	14.50
2½ inch	4.25	4.50	5.00	6.35	7.50	10.40	10.40	15.40
2¾ inch	4.75	5.00	5.50	6.75	8.25	11.20	11.20	16.30
3 inch	5.25	5.50	6.00	7 20	9.00	12.00	12.00	17.30

Cap Screws and Iron Set Screws sizes up to and including ½x2½ in. are packed 100 in a package; larger sizes, 50 in a package. Can supply in broken packages at outside prices.

BOLTS AND LAG SCREWS.

CARRIAGE BOLTS.



Oval Head, Forged Nut.
Revised Price List Adopted November 1, 1912. Price per 100.

Inches	3/16	1/4	5/16	3/8	7/16	1/2	5/8
3/4	$1.00						
1	1.00	$1.00	$1.40	$1.90	$2.20	$3.25	
1¼	1.00	1.00	1.40	1.90			
1½	1.00	1.00	1.40	1.90	2.20	3.25	5.75
1¾	1.10	1.10	1.52	2.06	2.40	3.25	
2	1.10	1.10	1.52	2.06	2.40	3.25	5.75
2¼	1.20	1.20	1.64	2.22	2.60	3.25	
2½	1.20	1.20	1.64	2.22	2.60	3.25	5.75
2¾	1.30	1.30	1.76	2.38	2.80	3.53	
3	1.30	1.30	1.76	2.38	2.80	3.53	6.13
3¼		1.40	1.88	2.54	3.00	3.81	
3½		1.40	1.88	2.54	3.00	3.81	6.51
3¾		1.50	2.00	2.70	3.20	4.09	
4		1.50	2.00	2.70	3.20	4.09	6.89
4¼		1.60	2.12	2.86	3.40	4.37	
4½		1.60	2.12	2.86	3.40	4.37	7.27
4¾		1.70	2.24	3.02	3.60	4.65	
5		1.70	2.24	3.02	3.60	4.65	7.65
5½		1.80	2.36	3.18	3.80	4.93	8.03
6		1.90	2.48	3.34	4.00	5.21	8.41
6½		2.00	2.60	3.50	4.20	5.49	
7		2.10	2.72	3.66	4.40	5.77	9.17
7½		2.20	2.84	3.82	4.60	6.05	
8		2.30	2.96	3.98	4.80	6.33	9.93
8½			3.08	4.14	5.00	6.61	
9			3.20	4.30	5.20	6.89	10.69
9½				4.46	5.40	7.17	
10				4.62	5.60	7.45	11.45
10½				4.94	6.00	8.01	
11				4.94	6.00	8.01	12.21
12				5.26	6.40	8.57	12.97
13						9.13	13.73
14						9.69	14.49
15						10.25	15.25
16						10.81	16.01
18						11.93	17.53
20						13.05	19.05
24							22.09

3/16 AND ¼ IN., ONE HUNDRED IN A PACKAGE; 5/16, 3/8 UP TO 9 IN., FIFTY; BALANCE, TWENTY-FIVE IN A PACKAGE.

Assorted Boxes.

No. 10—Assortment consisting of 50 carriage bolts, including, ¼x1½, 2, 2½, 3, 3½ and 4 in., 5/16x1½, 2, 2½, 3, 3½ and 4 in., 3/8x1½, 2, 2½, 3, 3½ and 4 in. ....per box $1.35

MACHINE BOLTS.

No. 15 Assortment
4 each ¼x1½-2-2½ in.
5 each 5/16x2-2½-3 in.
5 each 3/8x2½-3-3½ in.
2 each ½x2½-3-3½-4 in.
Per assortment $2.00



Square Head and Nut, Finished Point.
Revised Price List Adopted August 1, 1912. Price per 100.

Inches	¼	5/16	3/8	7/16	½	5/8	¾
1	$1.70	$2.00	$2.40				
1¼	1.70	2.00	2.40			$5.20	
1½	1.70	2.00	2.40	$2.80	$3.60	5.20	$7.70
2	1.78	2.12	2.56	3.00	3.86	5.58	8.25
2½	1.86	2.24	2.72	3.20	4.12	5.96	8.80
3	1.94	2.36	2.88	3.40	4.38	6.34	9.35
3½	2.02	2.48	3.04	3.60	4.64	6.72	
4	2.10	2.60	3.20	3.80	4.90	7.10	10.45
4½		2.72	3.36	4.00	5.16	7.48	
5		2.84	3.52	4.20	5.42	7.86	11.55
5½			3.68	4.40	5.68	8.24	
6			3.84	4.60	5.94	8.62	12.65
6½				4.80	6.20		
7				5.00	6.46	9.38	13.75
7½					6.72		
8					6.98	10.14	14.85
8½					7.50		
9					7.50	10.90	
10					8.02	11.66	17.05
11					8.54	12.42	
12					9.06	13.18	19.25
13						13.94	
14					10.10	14.70	21.45
16					11.14		23.65
18							25.85

¼ INCH, ONE HUNDRED; 5/16 TO ½x8 INCH, FIFTY; BALANCE, TWENTY-FIVE IN A PACKAGE.

COACH OR LAG SCREWS.



Gimlet Pointed.
Revised Price List Adopted October 1, 1899. Price per 100.

Inches	¼	5/16	3/8	½	5/8
1½	$2.25	$2.25	$2.70		
2	2.45	2.45	2.96	$4.11	
2½	2.65	2.65	3.22	4.47	
3	2.85	2.85	3.48	4.83	$7.00
3½		3.05	3.74	5.19	7.50
4	3.25	3.25	4.00	5.55	8.00
4½		3.45	4.26	5.91	8.50
5		3.65	4.52	6.27	9.00
5½			4.78	6.63	
6			5.04	6.99	10.00
6½				7.35	
7				7.71	11.00
8				8.43	12.00
9				9.15	13.00
10				9.87	14.00

¼ INCH, ONE HUNDRED; 5/16 TO ½x8 INCH, FIFTY; BALANCE, TWENTY-FIVE IN A PACKAGE.

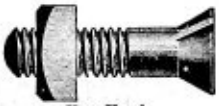
AVERAGE WEIGHT OF CARRIAGE BOLTS PER 100.

Length, In..	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	3¾	4	4¼	4½	4¾	5	5½	6
5/16 in.	1.7	1.8	2.0	2.2	2.3	2.6	2.8	3.0	3.2										
⅜ in.	2.8	3.1	3.4	3.7	4.0	4.4	4.7	5.0	5.3	5.6	5.9	6.1	6.6	6.9	7.2	7.5	7.8	8.4	9.0
7/16 in.	4.8	5.2	5.7	6.1	6.6	7.0	7.5	7.9	8.4	8.9	9.3	9.8	10.2	10.7	11.1	11.6	12.0	12.9	13.8
½ in.	6.9	7.6	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.3	16.0	16.7	17.4	18.0	19.4	20.8
9/16 in.	9.4	10.4	11.4	12.4	13.3	14.3	15.3	16.3	17.3	18.0	19.3	20.3	21.3	22.3	23.3	24.3	25.3	27.3	29.3
⅝ in.	14.5	15.9	17.3	18.6	20.0	21.4	22.8	24.2	25.5	26.9	28.3	29.7	31.0	32.4	33.8	35.2	36.5	39.3	42.0
¾ in.	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	64.0	68.0

Length, In..	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	13	14	15	16	18	20	24
5/16 in.	9.7	10.3	10.9	11.6	12.0	14.4	15.0	15.6	16.2	16.8	17.4	18.0	19.4	20.6	21.8	23.2	28.8	31.2	36.0
⅜ in.	14.7	15.6	16.5	17.4	18.4	19.3	20.2	21.0	25.0	25.8	26.8	27.6	29.4	31.2	33.0	34.8	36.6	42.0	55.2
7/16 in.	21.2	23.6	25.0	26.4	27.8	29.2	30.6	32.0	33.4	34.8	36.2	37.5	42.4	47.2	50.0	52.8	58.4	64.0	75.0
½ in.	31.2	33.2	35.2	37.2	39.2	41.2	43.1	45.1	47.1	49.1	51.0	53.0	62.4	66.4	70.4	74.4	82.4	90.2	106.0
9/16 in.	44.8	47.5	50.3	53.0	55.8	58.5	61.3	64.0	66.8	69.5	72.3	75.0	89.6	95.0	100.6	106.0	117.0	128.0	150.0
⅝ in.	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.0	104.0	108.0	112.0	116.0	144.0	152.0	160.0	168.0	184.0	200.0	232.0

BOLTS, SCREW ANCHORS AND BOLT SHIELDS.

PLOW BOLTS.



Key Head.

No. 1—In....	1	1¼	1½	1¾
¾ in., per 100	$2.00	2.00	2.10	2.20
No. 1—Inches	2	2¼	2½	
⅝ in., per 100	$2.30	2.40	2.50	

FIFTY IN A BOX.



Square Neck.

No. 3—In....	1	1¼	1½	1¾
⅜ in., per 100	$2.00	2.00	2.10	2.20
⅞ in., per 100	$2.60	2.60	2.75	2.90
½ in., per 100	$3.50	3.50	3.70	3.90
No. 3—Inches	2	2¼	2½	
⅝ in., per 100.....	$2.30	2.40	2.50	
⅞ in., per 100.....	$3.05		3.35	
⅛ in., per 100.....	$4.10		4.50	
No. 3—Inches	2¼	3	3½	
⅝ in., per 100.....	$2.60	2.70	2.90	

FIFTY IN A BOX.

ELEVATOR BOLTS.



Malleable Iron, Oval Head.

No. 2—In. ...	⅞x¾	⅞x1	¼x1	¼x1¼
Per 100	$2.20	2.30	2.30	2.40

ONE HUNDRED IN A BOX.



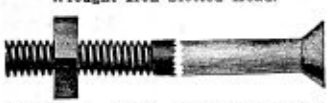
Wrought Iron, Flat Head.

No. 1—In. ...	⅛x¾	¼x⅞	¼x1	¼x1¼
Per 100	$2.20	2.30	2.30	2.40

ONE HUNDRED IN A BOX.

FLAT HEAD STOVE RODS.

Wrought Iron Slotted Head.



Inches	¼x6	¼x8	¼x10	¼x12
Per 100	$1.20	1.55	1.75	1.90
Inches	¼x14		¼x16	¼x18
Per 100	$2.35		2.60	2.80
Inches	¼x20		¼x22	¼x24
Per 100	$3.20		3.50	3.80
Inches	¼x26		¼x28	¼x30
Per 100	$4.00		4.20	4.40

TIRE BOLTS.



Revised Price List Adopted Dec. 28, 1899.

Length, in.	1¼	1½	1¾
⅛ in., per 100	$0.60	.60	.65
⅛ in., per 100	.60	.60	.65
¼ in., per 100	.95	.95	1.00
⅛ in., per 100		1.40	1.40
Length, in.	2	2¼	2½
⅛ in., per 100	$0.70	.75	.80
¼ in., per 100	1.05	1.10	1.15
⅛ in., per 100	1.47	1.54	1.61
Length, in.	2¼	3	3½
⅛ in., per 100	$0.85	.90	
¼ in., per 100	1.20	1.25	1.35
⅛ in., per 100		1.75	1.89

ONE HUNDRED IN A BOX.

FLAT HEAD STOVE BOLTS.



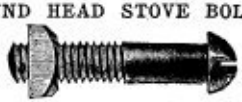
Lengths Up to and Including 2 in. Threaded Up to Head.

Revised Price List Adopted June 1, 1908.

Length, in...	½	⅝	¾	⅞
⅛ in., per 100	$0.85	.85	.85	.90
¼ in., per 100	1.20	1.20	1.20	1.25
⅛ in., per 100			1.75	
⅜ in., per 100			2.65	
Length, in...	1	1¼	1½	1¾
⅛ in., per 100	$0.90	1.00	1.10	1.15
¼ in., per 100	1.30	1.40	1.50	1.55
⅛ in., per 100	1.85	1.95	2.05	
⅜ in., per 100	2.75	2.90	3.10	3.20
Length, in...	2	2¼	2½	3
⅛ in., per 100	$1.20	1.25	1.30	1.50
¼ in., per 100	1.60	1.70	1.80	2.00
⅛ in., per 100	2.30		2.50	2.70
⅜ in., per 100	3.40		3.80	4.20
Length, in.				3½
⅛ in., per 100				$3.00
⅜ in., per 100				4.60

UP TO ⅛x2 ONE HUNDRED; BALANCE, FIFTY IN A BOX.

ROUND HEAD STOVE BOLTS.



Lengths Up to and Including 2 in. Threaded Up to Head.

Revised Price List Adopted June 1, 1908.

Length, in...	½	⅝	¾	⅞
¼ in., per 100	$0.85	.85	.85	
5-32 in., per 100	.85	.85	.85	
⅛ in., per 100	.85	.85	.85	.90
⅛ in., per 100	1.20	1.20	1.20	1.25
⅛ in., per 100			1.75	
Length, in...	1	1¼	1½	1¾
5-32 in., per 100	$0.90			
⅛ in., per 100	.90	1.00	1.10	1.15
¼ in., per 100	1.30	1.40	1.50	1.55
⅛ in., per 100	1.85	1.95	2.05	
Length, in...	2	2¼	2½	3
⅛ in., per 100	$1.20	1.25	1.30	1.50
¼ in., per 100	1.60	1.70	1.80	2.00
⅛ in., per 100	2.30		2.50	

ONE HUNDRED IN A BOX.

Assorted Boxes.

No. 50—Assortment consisting of 200 stove bolts, including ⅛x½, ¾, 1 and 1½ in., ¼x¾, 1, 1¼, 1½ and 2 in. flat head, ⅛x½, ¾, 1 and 1½ in., ¼x¾, 1, 1¼ and 1¾ in. round head, per box $3.25

TWO HUNDRED IN A BOX.

EXPANSION SCREW ANCHORS.



Anchor No.	6	10
Length, in.	¾	1
Diam. drill used, in.	¼	⅜
Anchor diam. outside, in.	¼	⅜
Anchor capacity, screw numbers...	5, 6, 7 or 8	9, 10or11
Anchor capacity, screw lengths	¾ to 1	1 to 2
Quantity in box ...	100	50
W't per 100	1	2
Per 100	$4.40	5.00

Anchor No.	10	14
Length, in.	1⅝	1
Diam. drill used, in.	⅜	⅜
Anchor diam., outside, in.	⅜	⅜
Anchor capacity, screw numbers	...9, 10 or 11	12,13or14
Anchor capacity, screw lengths, in.	1 to 3	1 to 2½
Quantity in box.....	50	50
W't per 100, lbs.....	3	2½
Per 100	$6.25	5.60

EXPANSION BOLT SHIELDS.



Short Standard.

Size of bolt, in.	⅜	½
Outside diam., in.	⅝	¾
Length, in.	2	2
Size of drill used, in....	⅝	¾
W't per 100, lbs.	11	12½
Quantity in box	100	100
Per 100	$13.35	22.00

Long Standard.

Size of bolt, in. ⅜	½
Outside diam, in.⅝	¾
Length, in. ... 2	3½
Size drill used, in. ..... ½	¾
W't per 100, lbs. 6½	22½
Quantity in box 100	100
Per 100 ..... $10.50	13.35	22.00

These expansion bolt shields and screw anchors are well made. They are easy to use, and when once in place never loosen. They can, however, be taken out and put back in the same hole any number of times without marking the wall in the least. They are in general use by plumber and have always given satisfaction.

The screw anchor is made in one piece of soft metal and permits the screw to cut its own thread, will fit any size and style of wood, machine or special screw. When it is up it never loosens until taken out.

The expansion shield is made of cast-iron, in two parts, and is extremely simple. It is very strong, and will resist the greatest strain or most severe vibration. Can be used with any lag screw, no special cut or length of thread required.



NUTS.



HOT PRESSED.

U. S. Standard.

For bolt, in.	¼	5/16	⅜	7/16	½	9/16	⅝	¾
Hole, in.	3/16	¼	19/64	11/32	13/32	29/64	½	⅝
Short diameter, in.	½	19/32	11/16	25/32	⅞	31/32	1 1/16	1¼
Thickness, in.	¼	5/16	⅜	7/16	½	9/16	⅝	¾
No. ST—Square, tapped, in bulk ....per pound	$0.15	.135	.116	.109	.097	.096★	.092	.089
No. SB—Square, blank, in bulk ....per pound	.13 ★	.12 ★	.105★	.10 ★	.09 ★	.09 ★	.087★	.085★
No. HT—Hexagon, tapped, in bulk ....per pound	.225★	.20 ★	.156	.143★	.122	.121★	.112	.106
No. HB—Hexagon, blank, in bulk ....per pound	.20 ★	.18 ★	.14 ★	.13 ★	.112★	.112★	.105★	.10 ★

For bolt, in.	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾
Hole, in.	47/64	27/32	15/16	1 1/16	1 5/32	1 9/32	1 25/64	1½
Short diameter, in.	1 7/16	1⅛	1 13/16	2	2 3/16	2⅛	2 9/16	2¼
Thickness, in.	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾
No. ST—Square, tapped, in bulk ....per pound	$.088	.088	.088★	.088★	.09 ★	.094★	.097★	.10 ★
No. SB—Square, blank, in bulk ....per pound	.084★	.084★	.084★	.084★	.085★	.088★	.089★	.093★
No. HT—Hexagon, tapped, in bulk ....per pound	.105	.105	.105★	.105★	.107★	.111★	.114★	.117★
No. HB—Hexagon, blank, in bulk ....per pound	.099★	.099★	.099★	.099★	.10 ★	.103★	.105★	.108★

For bolt, in.	1⅞	2	2⅛	2¼	2⅜	2½	2¾ 6	3
Hole, in.	1⅝	1 23/32	1 27/32	1 31/32	2 5/64	2 11/64	2 27/64	2
Short diameter, in.	2 15/16	3⅛	3 5/16	3½	3 11/16	3⅞	4¼	4⅝
Thickness, in.	1⅞	2	2⅛	2¼	2⅜	2½	2¾	3
No. ST—Square, tapped, in bulk ....per pound	$.103★	.106★	.11 ★	.111★	.115★	.118★	.124★	.13 ★
No. SB—Square, blank, in bulk ....per po...	.095★	.097★	.10 ★	.10 ★	.103★	.105★	.11 ★	.115★
No. HT—Hexagon, tapped, in bulk ....per pound	.120★	.123★	.129★	.13 ★	.136★	.139★	.146★	.152★
No. HB—Hexagon, blank, in bulk ....per pound	.11 ★	.112★	.117★	.117★	.122★	.124★	.13 ★	.135★

In ordering, state size of bolt.

TWO HUNDRED POUNDS IN A KEG.

COLD PUNCHED.

Semi-Finished, Hexagon, Tapped, Standard V Thread, Reamed and Faced Perfectly True on Bottom.



For Bolts, Inches	¼	5/16	⅜	7/16	½	⅝	¾
Diameter, in.	½	19–32	11/16	25–32	⅞	1 1/16	1¼
Thickness, in.	¼	5/16	⅜	7/16	½	⅝	¾
No. of threads	20	18	16	14	13or12	11	10
Each	$0.02	.025	.0325	.0375	.045	.065	.085

A. L. A. M. Standard, Plain, Semi-Finished, Hexagon, Tapped, Reamed and Faced Perfectly True.

For Bolts, Inches	¼	5/16	⅜	7/16	½
Thickness, in.	7–32	17–64	21–64	3/8	7/16
Diam. of nut, in.	½	½	5/8	¾	¾
Diam. facing, in.	½	½	5/8	¾	¾
Threads per inch	28	24	24	20	20
No. nuts per lb.	134	92	68	37	28
Each	$0.02	.025	.0325	.0375	.045

The new S. A. E. Dimensions of the Society of Automobile Engineers, differ only, in the Diameter of two sizes—Revised for ¼ in. Screw to 7/32 in. Diam., ¼ in. Screw to 1 3/16 in. Diam.

The A. L. A. M. standard is known as "Association of Licensed Automobile Manufacturers' Standard" for Semi-finished Nuts.

WING THUMB NUTS.

U. S. Standard Thread, Tapped.



For bolt, in.	3/16	¼	5/16	⅜
W't per 100	1¼	2	3	3¾
No. of threads to in.	24	20	18	16
Per 100	$1.00	1.00	1.30	1.70

ONE HUNDRED IN A BOX. WE DO NOT BREAK BOXES.

No. 50—Assorted, fifty in a box, twenty-five ¼ in., fifteen 5/16 in., w't 1¼ lbs. .....per box EE $0.7

These Thumb Nuts will fit either a cut or rolled thread bolt.

★*FOR FACTORY SHIPMENT ONLY.*

WASHERS.

REGULAR WROUGHT STEEL.



U. S. Standard.

No. 140—For bolt, in.	3/16	¼	5/16	⅜	7/16	½	9/16	⅝	¾	⅞	1
Hole, in.	¼	5/16	⅜	7/16	½	9/16	⅝	11/16	13/16	15/16	1 1/16
Diameter of washer, in.	9/16	¾	⅞	1	1¼	1⅜	1½	1¾	2	2¼	2½
Wire gauge	18	16	16	14	14	12	12	10	9	8	8
Number to 100 lbs.	3940	1560	1125	680	430	260	225	130	90	78	56
Per pound	$0.14★	.122	.114	.105	.098★	.094	.093★	.092	.091	.09	.09
No. 140—For bolt, in.	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2¼	2½	
Hole, in.	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2⅜	2⅝	
Diameter of washer, in.	2¾	3	3¼	3½	3¾	4	4¼	4½	4¾	5	
Wire gauge	8	8	7	7	7	7	7	7	5	4	
Number to 100 lbs.	473	364	275	256	220	197	174	160	122	106	
Per pound	$0.09	.092	.092★	.092★	.095★	.095★	.095★	.095★	.105★	.105★	

In ordering, state size of bolt.

TWO HUNDRED POUNDS IN A KEG.

LIGHT WROUGHT STEEL.



No. 160—For bolt, in.	3/16	¼	5/16	⅜
Hole, in.	¼	5/16	⅜	7/16
Diameter of washer, in.	9/16	¾	⅞	1
Wire gauge	20	18	18	16
Number to 100 lbs.	4700	1850	1350	780
Per pound	$0.15	.132	.124	.115
No. 160—For bolt, in.	7/16	½	⅝	¾
Hole, in.	½	9/16	11/16	13/16
Diameter of washer, in.	1¼	1⅛	1¼	2
Wire gauge	16	16	16	16
Number to 100 lbs.	500	390	240	190
Per pound	$0.108	.104	.102	.101

On account of the light gauge these are more economical to use than the No. 140 washers, in spite of the higher price per pound.

In ordering, state size of bolt.

FIVE POUNDS IN A BOX. WE DO NOT BREAK BOXES.

CAST IRON.



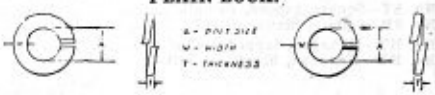
No. 101—For bolt, in.	⅝	¾	⅞	1
Outside diam., in.	3	3	3½	3¾
Thickness, in.	⅛	¼	⅜	½
W't per 100, lbs.	80	90	120	170
Per pound	$0.05	.05	.05	.05

LEAD.



No. 1—⅛x1½ in., for metal roofing, about 200 washers to the pound ..... per pound **AB** $0.20

PLAIN LOCK.



Nos.	**6280**	**6281**	**6282**	**6283**	**6284**
Size, in.	¼	5/16	⅜	7/16	½
Width x Thickness, in.	⅛x1/16	1/8x¼	5/32x¼	¼x1/16	¼x3/32
Per 100	$0.46	.48	.50	.60	.64
	BH	**BI**	**CJ**	**CF**	**CH**
Nos.	**6285**	**6286**	**6287**	**6288**	**6289**
Size, in.	⅝	¾	⅞	1	
Width x Thickness, in.	¼x3/32	¼x⅛	¼x⅛	¼x⅛	⅛x⅜
Per 100	$0.68	1.14	1.24	1.32	1.44
	EC	**JFH**	**JGD**	**JGI**	**JHG**

The washer is so constructed that the "body" of the washer carries the load of compression and the tapered ends are thus relieved, and the spring is constant. The barbs being free to move when subjected to vibration, force themselves deeply into the nut and metal backing.

This washer is reversible and can be used many times. Does not injure the nut, its threads or the threads of the bolt.

Exhaustive tests, covering a period of many years on railroad track, drop presses, automobiles and machinery subject to vibration, have proven its superiority over every other nut lock manufactured.

LOOSE.

MALLEABLE IRON.



No. 201—For bolts, in.	⅝	¾	⅞	1
Diameter, in.	2¼	3	3½	4
Thickness, in.	1/16	1/16	1/16	½
W't per 100, lbs.	22	33	50	68
Comparative w't of Cast Washers, lbs.	80	90	120	170
Per pound	$0.08	.08	.08	.08

These washers are a substitute for the old style cast iron washers and while the price per pound is higher than on cast iron washers, yet the price per washer is cheaper than cast washers, besides saving two-thirds of all freight rates, hauling and weight to structure, and one-quarter to one-half inch in length of bolts, and a nut-locking feature added without additional expense.

★FOR FACTORY SHIPMENT ONLY.

STEEL WIRE NAILS, IN KEGS.

Price List Adopted December 1, 1896.

COMMON.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
2d	1 in.	15	876	$0.70
3d	1¼ in.	14	568	.45
4d	1½ in	12½	316	.30
5d	1¾ in.	12½	271	.30
6d	2 in.	11½	181	.20
7d	2¼ in.	11½	161	.20
8d	2½ in.	10¼	106	.10
9d	2¾ in.	10¼	96	.10
10d	3 in.	9	69	.05
12d	3¼ in.	9	63	.05
16d	3½ in.	8	49	.05
20d	4 in.	6	31	Base.
30d	4½ in.	5	24	Base.
40d	5 in.	4	18	Base.
50d	5½ in.	3	14	Base.
60d	6 in.	2	11	Base.

GALVANIZED COMMON.

Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	14	468	
6d	2 in.	11½	158	Lowest
8d	2½ in.	10¼	82	Market
10d	3 in.	9	63	Price
20d	4 in.	6	29	

BARBED COMMON.



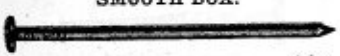
Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
4d	1½ in.	12½	316	$0.45
6d	2 in.	11½	181	.35
8d	2½ in.	10¼	106	.25
10d	3 in.	9	69	.20

FENCE.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
6d	2 in.	10	124	$0.20
8d	2½ in.	9	82	.10
10d	3 in.	7	50	.05
12d	3¼ in.	6	40	.05

SMOOTH BOX.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
4d	1½ in.	14	473	$0.50
5d	1¾ in.	14	406	.50
6d	2 in.	12½	236	.35
7d	2¼ in.	12½	210	.35
8d	2½ in.	11½	145	.25
10d	3 in.	10½	94	.15
Galvanized 7d	2¼ in.	12¾	145	

Lowest Market Price.

WIRE LINING OR CRATE.



Size.	Gauge.	No. to lb.	Adv. over Base.
¾ in.	17	2077	$1.20
⅞ in.	17	1781	1.00

WIRE CLINCH NAILS.

Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
6d	2 in.	11	157	$0.55
7d	2¼ in.	11	139	.55
8d	2½ in.	10	99	.45

FINISHING.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	15½	807	$0.85
4d	1½ in.	15	584	.65
6d	2 in.	13½	309	.45
8d	2½ in.	12½	189	.35
10d	3 in.	11½	121	.25
20d	4 in.	10	62	.25

CASING.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
4d	1½ in.	14	473	$0.50
6d	2 in.	12½	236	.35
8d	2½ in.	11½	145	.25
10d	3 in.	10½	94	.15
20d	4 in.	9	52	.15

FLOORING BRADS.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
8d	2½ in.	10	99	$0.10



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
8d	2½ in.	11	140	$0.25

FINE.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
Polished 2d	1 in.	16½	1351	$1.00
3d	1⅛ in.	15	778	.50
Blued 2d	1 in.	16½	1351	1.25
3d	1⅛ in.	15	778	.75

EXTRA FINE.

Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
Polished 3d	1⅛ in.	16	1015	$0.65
Blued 3d	1⅛ in.	16	1015	.90

SHINGLE.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	13	429	$0.45

GALVANIZED SHINGLE.

Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	13	366	Lowest
3½d	1⅜ in.	12½	345	Market
4d	1½ in.	12	230	Price

SLATING.



Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	10½	225	$0.60
4d	1½ in.	10½	187	.40

GALVANIZED SLATING.

Size.	Length.	Gauge.	No. to lb.	Adv. over Base.
3d	1¼ in.	10½	195	

Lowest Market Price.

SIMPLEX ROOFING.



1 in. .....per keg $12.50

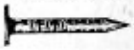
CAPNAL ROOFING NAILS.



25 lb. boxes .....per pound $0.13

Head lies flat, regardless of angle at which it is driven in.

BARBED ROOFING.



Size.	Gauge.	No. to lb.	Adv. over Base.
¾ in.	13	714	$0.75
⅞ in.	12	469	.65
1 in.	12	411	.60
1¼ in.	11	251	.55
1½ in.	10	176	.45

Size.	Gauge.	No. to lb.	Adv. over Base.
Galvanized ⅞ in.	12	359	Lowest Market Price
Tinned ⅞ in.	12	359	25 lb. boxes

AMERICAN FELT ROOFING NAILS.



No. 12—⅞ in., ⅝ in. head, per hundred pounds $10.60

No. 12—In 25 lb. boxes, per hundred pounds $12.00

LARGE HEAD ROOFING.



Size.	Gauge.	No. to lb.	Diam. Head.	25 lb. Boxes.	Per Keg.
⅞ in.	8	179	½ in.	$	$
1 in.	8	158	½ in.	$	$
1½ in.	8	108	½ in.	$	$

LARGE HEAD GALVANIZED BARBED ROOFING.

Size.	Gauge.	No. to lb.	Diam. Head.	25 lb. Boxes.
1 in.	10	215	½ in.	$
1½ in.	10	148	½ in.	$
				Per keg.
1 in.	9	193	½ in.	$
1½ in.	9	131	½ in.	$
1¾ in.	9	113	½ in.	$

WE DO NOT SELL LESS THAN FULL BOXES.

BARREL.

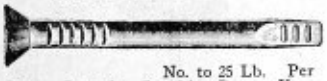


Size.	Gauge.	No. to lb.	Adv. over Base.
⅞ in.	14½	906	$0.85

We keep ⅞ in. barrel nails in stock.

WIRE AND CUT NAILS, IN KEGS.

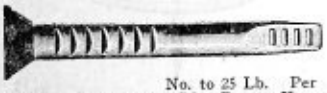
LIGHT WIRE HINGE.



Size.	Length.	Ga.	No. to 25 Lb. Boxes.	Per Keg.
4d	1½ in.	6	82 $	$ ★
6d	2 in.	6	62	★
8d	2½ in.	6	50	★

★*Kegs for mill shipment only.*

HEAVY WIRE HNNGE.



Size.	Length.	Ga.	No. to 25 Lb. Boxes.	Per Keg.
6d	2 in.	3	38 $	$ ★
8d	2½ in.	3	30	★
10d	3 in.	3	25	★
16d	3½ in.	3	22	★

Countersunk head, chisel Point, annealed.

★*Kegs for mill shipment only.*

WIRE SPIKES.

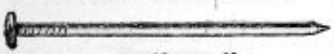


Size.	Length.	Ga.	No. to lb.	Advance over Base.
20d★	4 in.	4	23	.10
30d★	4½ in.	3	17	.10
40d★	5 in.	2	13	.10
50d★	5½ in.	1	10	.10
60d★	6 in.	1	8	.10
7 in.★	7 in.	¼ in.	7	.10
8 in.★	8 in.	⅜ in.	6	.10
9 in.★	9 in.	⅜ in.	5	.10
10 in.★	10 in.	⅜	4	.25
12 in.★	12 in.	⅜	3	.25

Specify style of head and point when ordering.

★*For mill shipment only.*

CEMENT COATED, WIRE.



Size.	Length.	No. Coated Nails in Keg.	No. Smooth Nails in Keg.	Adv. Over Base.
2d	1 in.	85,700	85,700	$0.70
3d	1¼ in.	54,300	54,300	.45
4d	1⅜ in.	29,800	29,800	.30
5d	1⅝ in.	25,500	25,500	.30
6d	1⅞ in.	17,900	17,900	.20
7d	2⅛ in.	15,300	15,300	.20
8d	2⅛ in.	10,100	10,100	.10
10d	2⅞ in.	6,600	6,600	.05
16d	3⅜ in.	4,900	4,900	.20
20d	3⅞ in.	3,100	3,100	.20

CEMENT COATED, EGG CASE.

With Extra Large Head.

Size.	Length.	No. to keg.	
3d	1¼ in.	51,700	per keg $

Cement nails are sold at so much per keg, but the kegs weigh less than 100 lbs., as the nails are made of lighter wire than the Standard Nails. They are put up the same number of nails per keg as in the Standard Nails, but on account of the lighter gauge wire used they weigh less.

COMMON, STEEL CUT.





Size.	Length.	No. in. lb.	Adv. Over Base.
3d	1¼ in.	466	$0.45
4d	1½ in.	304	.30
6d	2 in.	165	.20
8d	2½ in.	92	.10
10d	3 in.	60	.05
12d	3¼ in.	50	.05
16d	3½ in.	36	.05
20d	4 in.	24	Base
30d	4½ in.	18	Base
40d	5 in.	16	Base
50d	5½ in.	12	Base
60d	6 in.	9	Base

COMMON, STEEL CUT, GALVANIZED.

Size.	Length.	No. in. lb.	
3d	1¼ in.	466	per keg $
4d	1½ in.	304	per keg

FINISHING, STEEL CUT.



Size.	Length.	No. in. lb.	Adv. Over Base.
10d	3 in.	107	.25

CASING, STEEL CUT.



Size.	Length.	No. in. lb.	Adv. Over Base.
6d	2 in.	228	$0.35
8d	2½ in.	133	.25
10d	3 in.	96	.15
20d	4 in.	44	.15

FLOORING BRADS, STEEL CUT.



Size.	Length.	No. in. lb.	Adv. Over Base.
8d	2½ in.	77	$0.10

BARBED DOWEL PINS.



Size.	Gauge.	No. to lb. In 25 lb. Boxes.	Per keg. $ / Per 100 lbs. $
⅜ in.	8	210	
1½ in.	8	165	
⅜ in.	8	210	
1½ in.	8	165	

CLINCH, STEEL CUT.



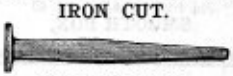
Size.	Length.	No. in. lb.	Adv. Over Base.
6d	½ in.	101	$0.65
7d	2¼ in.	86	.65
8d	2½ in.	67	.55
10d	3 in.	51	.45

SPECIAL HINGE CLINCH, STEEL CUT.



Size.	Length.	No. to lb.	Per Keg. $	Per Box of 25 lbs. $
6d	2 in.	101		
8d	2½ in.	67		
10d	3 in.	51		

LARGE HEAD EDGE GRIP, IRON CUT.



Blued or Polished.

Size.	Length.	No. in. lb.	Adv. Over Base.
3d	1¼ in.	460	$0.45
3½d	1⅜ in.	370	.40
4d	1½ in.	280	.30

Both Blued and Polished kept in stock.

COMMON, IRON CUT, FLAT GRIP.



Blued or Polished.

Size.	Length.	No. in. lb.	Adv. Over Base.
3d	1¼ in.	460	$0.45
3½d	1⅜ in.	370	.40
4d	1½ in.	280	.30
	Blued Only.		
8d	2½ in.	88	.10
10d	3 in.	60	.05
20d	4 in.	20	Base

BRADS, NAILS AND CORRUGATED JOINT FASTENERS.

WIRE BRADS.



Bright, in ¼ lb. Papers.

Length.	Gauge.	Per Doz. Papers.	
⅜ in.	20	J E H	$3.24
½ in.	20	J E J	2.79
⅝ in.	19	J C I	2.19
¾ in.	18	J C J	1.80
⅞ in.	18	J B J	1.59
1 in.	17	J B F	1.44
1¼ in.	17	J B E	1.41
1½ in.	16	J B B	1.23
1¾ in.	15	J B A	1.14
2 in.	15	J B A	1.14

ONE DOZEN PAPERS IN A PACKAGE.

Bright, in 1 lb. Papers.

Length.	Gauge.		Per Lb.
½ in.	20	A E	$0.85
⅝ in.	19	A B	.65
¾ in.	18	J I	.52
⅞ in.	18	J H	.45
1 in.	17	J G	.40
1¼ in.	16	J F	.34
1½ in.	15	J F	.31
1¾ in.	14	J E	.29
2 in.	14	J E	.29



Bright, in 25 lb. Boxes.

Length.	Gauge.		Per Lb.
½ in.	19	A C	$0.74
⅝ in.	19	A B	.64
¾ in.	18	J I	.51
¾ in.	16	J H	.42
⅞ in.	18	J H	.44
⅞ in.	17	J H	.42
1 in.	18	J H	.42
1 in.	17	J G	.39
1¼ in.	17	J G	.38
1¾ in.	16	J F	.33
1½ in.	16	J F	.32
1½ in.	15	J E	.30
1¾ in.	14	J E	.28
2 in.	14	J E	.28

WIRE NAILS.

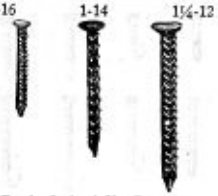


Smooth, in ¼ lb. Papers.

Length.	Gauge.		Per Doz. Papers.
½ in.	20	J E J	$2.79
⅝ in.	19	J C I	2.19
¾ in.	18	J C J	1.80
⅞ in.	18	J B I	1.59
1 in.	17	J B F	1.44

Smooth, in 1 lb. Papers.

			Per Lb.
¾ in.	18	J I	$0.52
¾ in.	16	J H	.43
⅞ in.	17	J H	.43
⅞ in.	14	J F	.35
⅞ in.	13	J F	.34
1 in.	12	J E	.30
1 in.	14	J F	.32
1¼ in.	14	J F	.31
1¼ in.	12	J E	.29
1½ in.	12	J E	.29



Barbed, in 1 lb. Papers.

Length.	Gauge.		Per Lb.
¾ in.	16	J H	$0.45
1 in.	14	J F	.34

Barbed, in 25 lb. Boxes.

¾ in.	16	J H	.44
1 in.	14	J F	.33
1¼ in.	12	J E	.30

NEEDLE POINT SHADE NAILS.

In 1 lb. Papers.

Length.	Gauge.		Per Lb.
1 in.	13	J F	.35

In 25 lb. Boxes.

1 in.	12	J F	.33

CIGAR BOX NAILS.



Barbed, in 1 lb. Papers.

Length.	Gauge.		Per Lb.
¾ in.	18	A J	$0.54

Barbed, in 25 lb. Boxes.

⅝ in.	18	A A	.59
¾ in.	18	A J	.53

CORRUGATED SMOOTH STEEL JOINT FASTENERS.





Showing Strengthening Effect of Corrugated Fasteners.

Plain Edge.

No.	Corrugations.	Depth, in.	Length, in.		Per 1000.
143	3	¼	⅜	A G	$0.60
144	4	¼	⅜	B J	.75
145	5	¼	1	B E	.90
383	3	⅜	½	B J	.75
384	4	⅜	⅝	B F	.95
385	5	⅜	1	J C B	1.20
124	4	½	⅝	J B H	1.05
125	5	½	1	J C G	1.30
584	4	⅝	⅞	J C G	1.30
585	5	⅝	1	J D H	1.70
586	6	⅝	1¼	J E J	1.85
344	4	¾	⅞	J D J	1.45
345	5	¾	1	J E J	1.85

ONE THOUSAND IN A PACKAGE.

In Small Packages.

1143	3	¼	⅜	J B F	$1.20
1144	4	¼	⅜	J C B	1.50
1384	4	⅜	1	J D B	1.90
1385	5	⅜	1	J E D	2.40
1124	4	½	⅝	J D H	2.10
1125	5	½	1	J E F	2.60
1584	4	⅝	⅞	J E F	2.60
1585	5	⅝	1	J G B	3.40
1586	6	⅝	⅞	J G H	3.70
1344	4	¾	1	J F B	2.90
1345	5	¾	1¼	J G H	3.70

TEN SMALL PACKAGES IN A CARTON; EACH SMALL PACKAGE CONTAINS ONE HUNDRED FASTENERS.



Divergent, Saw Edge.

No.	Corrugations.	Depth, in.	Length, in.		Per 1000.
2144	4	¼	⅜	C F	$0.75
2145	5	¼	1	D B	.90
2384	4	⅜	⅞	D C	.95
2385	5	⅜	1	J E E	1.20
2124	4	½	⅞	J D H	1.05
2125	5	½	1	J F J	1.30
2126	6	½	1⅛	J F I	1.50
2585	5	⅝	1	J G H	1.70

ONE THOUSAND IN A PACKAGE.

In Small Packages.

3144	4	¼	⅜	D C	$0.94
3145	5	¼	1	J E D	1.13
3384	4	⅜	⅞	J E D	1.19
3385	5	⅜	1	J F H	1.50
3124	4	½	⅞	J F J	1.31
3125	5	½	1	J G D	1.63
3126	6	½	1⅛	J H I	1.95
3585	5	⅝	1	J I F	2.13

Divergent, have the effect of drawing work together, making a tight joint.

TEN SMALL PACKAGES IN A CARTON; EACH SMALL PACKAGE CONTAINS ONE HUNDRED FASTENERS.

Make a perfect secure joint. Made of smooth steel, easy to drive as nails and far more effective for many purposes.

NAILS AND TACKS.

CLOUT NAILS.



Blued, in Kegs.

No. 30-K—In.	¾	⅞	1	1¼
Per 100 lbs.	$12.00 JEGJ	11.00 JEDJ	10.50★ JEAJ	10.50★ JEAJ

Blued, in 1 lb. Papers.

No. 30—Inches	⅜	½	¾
Per pound	$0.15 AA	.14½ JI	.14 JH
No. 30—Inches	⅜	1	1¼
Per pound	$0.13 JG	.12½ JG	.12½ JG
No. 30—Inches	1½	1¾	2
Per pound	$0.12½ JG	.12½ JG	.12½ JG

Blued, in ½ lb. Papers.

No. 31—In.	½	⅝	¾	⅞
Per pound	$0.16 AB	.15½ AJ	.15 JH	.14 JH
No. 31—In.	1	1¼	1½	1¾
Per pound	$0.13½ JG	.13½ JG	.13½ JG	.13½ JG

Tinned, in 1 lb. Papers.

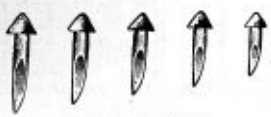
No. 32—Inches	¾	⅞	1
Per pound	$0.17 AA	.16 AA	.15½ AJ
No. 32—Inches	1¼	1½	
Per pound	$0.15½ AJ	.15½ AJ	

HUNGARIAN NAILS.



Stout, Oval Head, in ¼ lb. Papers.

No. 82—Sizes 4 and 5-eighths, per dozen ..... BD $0.50



Cone Head, in ¼ lb. Papers.

No. 83—Sizes 3, 3½, 4, 4½ and 5-eighths, per dozen ..... BD $0.50

ONE DOZEN PAPERS IN A PACKAGE.

COMMON IRON SHOE NAILS.



In 1 lb. Papers.

No. 40—Sizes 4, 5 and 6-eighths in., per pound ..... JF $0.09

ONE POUND IN A PACKAGE.

IRON CLINCHING OR COBBLERS' SHOE NAILS.



Swedes Iron, in ¼ lb. Papers.

No. 41—Sizes 3, 4, 5 and 6-eighths in., per dozen ..... BF $0.50

ONE DOZEN PAPERS IN A PACKAGE.

WIRE CLINCHING SHOE NAILS.



"Holdfast," in ¼ lb. Papers.

No. 42—Sizes 3, 3½, 4, 4½, 5, 5½, 6 and 7-eighths ..... per dozen DJ $0.70

ONE DOZEN PAPERS IN A PACKAGE.

PLATED AND BRASS COBBLERS' SHOE NAILS.



Brass Plated Clinching, in 2 oz. Papers.

No. 43—Sizes 3, 4, 5, 6, 7 and 8-eighths in. ..... per dozen AH $0.36

Brass Plated Clinching, in ¼ lb. Papers.

No. 59—Sizes 3, 4, 5, 6 and 7-eighths in., per dozen ..... CB $0.70

Brass Clinching, in 2 oz. Metal Boxes.

No. 44—Sizes 3, 4, 5 and 6-eighths in., per dozen ..... FE $0.70

ONE DOZEN PAPERS IN A PACKAGE.

SHOE TACKS.



In 1 lb. Papers.

No. 047—Sizes	1½	2	2½
Per pound	$0.23 AD	.21 AC	.20 AA

IRON SHANK TACKS.



½ ⅝ ¾ ⅞

No. 032—Sizes ½, ⅝, ¾ and ⅞ in., in ¾ lb. papers, per pound JI $0.18

ONE DOZEN IN A PACKAGE.

FLAT HEAD WIRE CARPET.

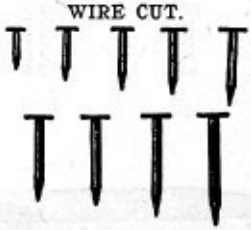


Polished, in ¼ lb. Papers.

No. 72—Sizes	6	8	10
Per dozen	$0.53 JCC	.50 JCA	.48 JCJ
No. 72—Sizes	12	14	
Per dozen	$0.47 JBH	.47 JBH	

ONE DOZEN PAPERS IN A PACKAGE.

WIRE CUT.



Blued, ⅛ lb. Papers.

No. 70—Sizes	2	3	4
Per dozen	$0.44 BH	.35 BB	.32 BJ

¼ lb. Papers.

No. 70—Sizes	6	8	10
Per dozen	$0.56 CE	.53 CC	.51 CB

No. 70—Size 12.....per dozen CA $0.5

ONE DOZEN PAPERS IN A PACKAGE.

ESTABLISHED LENGTHS OF TACKS.

All Kinds, Except Gimp and Lace.

No.	½	¾	1	1½	2
In.	2-16	2½-16	3-16	3½-16	4-16
No.	2½	3	4	6	8
In.	5-16	6-16	7-16	8-16	9-16
No.	.....	10	12	14	16
In.	.....	10-16	11-16	12-16	13-16
No.	.....	18	20	22	24
In.	.....	14-16	15-16	16-16	18-16

Gimp and Lace.

No.	1	1½	2	2½	3
In.	.3½-16	4-16	5-16	6-16	7-16
No.	4	6	8	10	12
In.	8-16	9-16	10-16	11-16	12-16
No.	.....	14	16	18	20
In.	.....	13-16	14-16	15-16	16-16

TACKS.

WIRE UPHOLSTERERS'



Blued Steel, in 25 lb. Boxes.

No. 77—Size	3	4	6
Per pound	$0.16½	.15	.14
	AJ	AJ	JH

No. 77—Size	8	10
Per pound	$0.13	.12½
	JG	JG

Blued Steel, in Kegs.

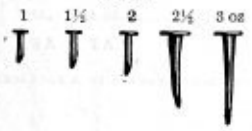
No. 77—Size	3	4
Per pound	$0.15½	.14
	JI	JH

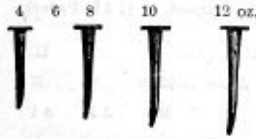
GALVANIZED UPHOLSTERERS' TACKS.

In 1 Lb. Papers.

Nos.	3	4	6	10	14
Size, in.	⅜	½	4-8	⅝	6-8
Per lb.	$0.26	.25	.24	.22	.21
	AC	AB	AB	AB	AB

CUT.







Blued.

No. 50—Size.	1	1½	2	2½
Per dozen	$0.72	.57	.44	.39
	DE	CE	BH	BE

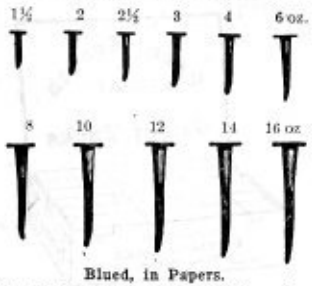
No. 50—Size.	3	4	6	8
Per dozen	$0.35	.33	.56	.53
	BB	BJ	CE	CC

No. 50—Size	10	12	14
Per dozen	$0.51	.50	.87
	CB	CA	EE

No. 50—Size	16	18	20
Per dozen	$0.87	.87	.87
	EE	EE	EE

1 TO 4 OZ., ⅛ LB. PAPERS; 6 TO 12 OZ., ¼ LB. PAPERS; ONE DOZEN IN A PACKAGE; 14 OZ. AND LARGER, ½ LB. PAPERS.

UPHOLSTERERS'.



Blued, in Papers.

No. 45—Size	2	2½	3
Per dozen	$0.43	.39	.62
	CE	BC	CG

No. 45—Size	4	6	8
Per dozen	$0.57	.96	.90
	CD	EH	ED

No. 45—Size	10	12	16
Per dozen	$0.87	.84	.84
	EB	EJ	EJ

2 AND 2½ OZ. IN ⅛ LB. PAPERS, 3 AND 4 OZ. IN ¼ LB. PAPERS; ONE DOZEN IN A PACKAGE; 6 OZ. AND LARGER, ½ LB. PAPERS.

Blued, in 1 Lb. Papers.

No. 45—Size.	1½	2	2½	3
Per pound	$0.32	.23½	.20½	.17½
	AF	AC	AB	AA

No. 45—Size.	4	6	8	10
Per pound	$0.16	.15	.14	.13½
	AJ	JI	JH	JH

No. 45—Size	12	14	16
Per pound	$0.13	.13	.13
	JG	JG	JG

Blued, in 25 Lb. Boxes.

No. 45—Size.	1	1½	2	2½
Per pound	$0.41	.31	.22½	.19½
	BD	AI	AE	AB

No. 45—Size.	3	4	6	8
Per pound	$0.16½	.15	.14	.13
	AJ	JI	JH	JH

No. 45—Size.	10	12	14	16
Per pound	$0.12½	.12	.12	.12
	JG	JG	JG	JG

BERRY BOX.

Size 1½.....per pound **AI** $0.59
1 LB. IN A PAPER; 10 LBS. IN A PACKAGE.

COPPER.



No. 49—Length, in.	¼	⅜	7/16	½
Per pound	$0.95	.72	.65	.60
	FJ	ED	EB	EB

No. 49—Length, in.	½	⅝	¾	1
Per pound	$0.60	.60	.60	.60
	EJ	EJ	EJ	EJ

1 LB. IN A PACKAGE.

BILL POSTERS'.



Blued Steel, in 1 lb. Boxes.

No. 55—Size.	3	4	6	8
Per pound	$0.16½	.15	.14	.13
	AJ	JH	JH	JG

Blued Steel, in 2 Lb. Papers.

No. 55—Size 4.....per pound JH $0.15

Blued Steel, in 5 lb. Boxes.

No. 55—Size.	3	4	6	8
Per pound	$0.16½	.15	.14	.13
	AJ	JH	JH	JG

Blued Steel, in 25 lb. Boxes.

No. 55—Size.	3	4	6	8
Per pound	$0.15½	.14	.13	.12
	JI	JH	JG	JG



Blued Steel Wire, in 25 lb. Boxes.

No. 73—Size.	4	6	8
Per pound	$0.14	.13	.12
	JI	JH	JG

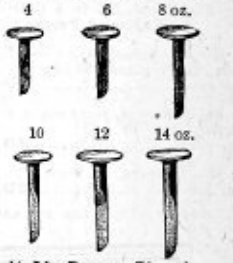
WE DO NOT BREAK BOXES.

REVONOC SPECIAL CARPET.

Flat Head, S. S. Swedes, Blued, in 4 oz. Papers.

No. 52—Sizes 6, 8, 10, 12, 14 and 16, per dozen .....JCJ $0.90

FLAT HEAD CARPET.



⅛ Lb. Papers, Tinned.

No. 58—Size	4	6	8
Per dozen	$0.36	.34	.33
	BC	BA	BJ

No. 58—Size	10	12
Per dozen	$0.32	.31
	BJ	AI

ONE DOZEN PAPERS IN A PACKAGE.

⅛ lb. Papers, Blued.

No. 51—Size	4	6	8
Per dozen	$0.56	.53	.50
	CE	CC	CA

No. 51—Size	10	12
Per dozen	$0.48	.47
	CJ	BI

OVAL HEAD CARPET.



No. 57—¼ Lb. Papers, Tinned.

Ounces	4	6	8	10	12
Per dozen	$0.66	.62	.59	.57	.56
	DA	CI	CG	CF	CE

ONE DOZEN PAPERS IN A PACKAGE.

TACKS.

"NEVER RUST" CARPET.



Japanned, Large Head, ¼ lb. Papers.
No. 400—Sizes 6, 8 and 10 oz., per dozen .....CJ $0.55

ONE DOZEN PAPERS IN A PACKAGE.

ASSORTED CASES.



"100 to 1," Polished Steel Carpet Tacks, Flat Head, 500 in a Colored Enameled Paper.

No. 60—72 papers, twelve 6 oz., forty-two 8 oz. and eighteen 10 oz., per case .....BDJ $4.50

No. 80—72 papers, forty-eight 8 oz. and twenty-four 10 oz., per case .....BDJ $4.50

No. 90—72 papers, all 8 oz., per case .....BDJ 4.50

AVERAGE W'T 28 LBS. PER CASE.



Plymouth Rock Coppered Steel Carpet Tacks, Flat Head.

No. 275—144-¼ lb. papers, twenty-four 6 oz., seventy-two 8 oz. and forty-eight 10 oz., w't per case 44 lbs., per case .....DBJ $8.00

No. 276—72-½ lb. papers, all 8 oz., per case .....BAJ $4.00

W'T 23 LBS. PER CASE.

1917 CALENDAR TACKS.



Assortment No. A consists of—
24 papers, 50 count, Ferro Brass Furniture Nails.
24 papers, 50 count, Metaleather Furniture Nails.
24 papers, ⅛ lb. No. 10 Blued Double Pointed Tacks.
24 papers, ¼ lb. 1 in. 16 Wire Brads.
12 papers, ¼ lb. No. 6 Wire Tacks.
12 papers, ¼ lb. No. 8 Wire Tacks.
12 papers, ¼ lb. No.4 UpholsterersTacks.
12 papers, ¼ lb. No.6 UpholsterersTacks.

W'T 28 LBS.

Assortment No. 1 consists of—
96 papers, No. 8 Open Hearth Carpet Tacks, regular finish.
24 papers, No. 6 Open Hearth Carpet Tacks, regular finish.
24 papers, No. 10 Open Hearth Carpet Tacks, regular finish.

W'T 40 LBS.

Assortment No. 3 consists of—
Same assortment as No. 1, except the tacks are coppered.

W'T 40 LBS.

Assortment No. 5 consists of—
Same assortment as No. 1, except the tacks are tinned.

W'T 40 LBS.

Assortment No. 2 consists of—
144 papers, all 8 oz. Open Hearth Carpet Tacks.

W'T 40 LBS.

Assortment No. 4 consists of—
Same assortment as No. 2, except the tacks are coppered.

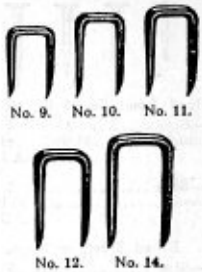
W'T 40 LBS.

Assortment No. 6 consists of—
Same assortment as No. 2, except the tacks are tinned.

W'T 40 LBS.

100 handsome 1917 calendars either De Luxe or photo color free with each assortment, imprinted with dealer's name and address and not more than four additional words of advertising, per gross .....EDJ $9.00

DOUBLE POINTED.



Blued, in ⅛ Lb. Papers.

Nos.	8	9	10
Per dozen	$0.39	.35	.33
	BJ	AH	AG

Nos.	11	12	14
Per dozen	$0.32	.32	.30
	AF	AF	AE

ONE DOZEN PAPERS IN A PACKAGE.

Tinned, in ⅛ Lb. Papers,

Nos.	9	10	11	12
Per dozen	$0.39	.38	.37	.36
	BJ	AI	AI	AH

ONE DOZEN PAPERS IN A PACKAGE.

Blued, in 25 lb. Boxes.

Nos.	9	10	11	12
Per pound	$0.17	.16	.15½	.15
	JH	JH	JH	JH

WIRE CLOTH TACKS.



No. 5—Blued, in ¼ lb. papers, per dozen .....BD $0.48

ONE DOZEN PAPERS IN A PACKAGE.

No. 5—Blued, in 10 lb. boxes, per pound .....AD $0.27

TACKS AND NAILS.

GIMP TACKS.



Blued.

No. 46—Oz...	2	2½	3	4
Per dozen...	$0.48	.43	.39	.33
	CJ	BG	BD	BJ
No. 46—Ounces			6	8
Per dozen			$0.57	.54
			CF	CD

2, 2½, 3 AND 4 OZ. IN ⅛ LB. PAPERS; 6, 8 AND 10 OZ. IN ¼ LB. PAPERS; ONE DOZEN PAPERS IN A PACKAGE.

LEATHER HEAD TACKS.

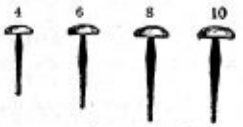


144 Count.

No. 40—Ounces....	6	8	10
Per dozen	$0.54	.57	.60
	DH	EJ	EE

ONE DOZEN PAPERS IN A PACKAGE.

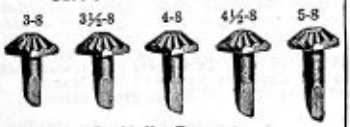
LINING TACKS.



No. 48—Japanned, 4, 6, 8 and 10 oz., per package .....JIE $2.00

SEVENTY-FIVE IN A PAPER, TWENTY PAPERS IN A PACKAGE. WE DO NOT BREAK PACKAGES.

GROOVED HOB NAILS.



In ½ lb. Papers.

No. 5—Sizes, 3, 3½, 4, 4½ and 5 in., per pound .....JI $0.16

ONE DOZEN PAPERS IN A PACKAGE.

OIL CLOTH BINDING NAILS.

No. 18—⅝ in., oval head, steel wire, in 2 oz. papers.....per dozen CJ $0.60

ONE DOZEN PAPERS IN A PACKAGE.

TINNED TRUNK NAILS.

In ½ lb. Papers.

Length, in.....	6/8	⅞	1	1¼	1½
Per pound....	$0.18	.17	.16½	.16½	.16½
	AB	AA	AA	AA	AA

ONE DOZEN PAPERS IN A PACKAGE.

DRUGGET PINS.



No. 115—⅝ in. brass head, steel pin, w't per gross 1 lb., per gross.....AAJ $2.40

ONE GROSS IN A BOX.

ESCUTCHEON PINS.



Brass.

Length, in...	⅜	½	½	½
Wire gauge, inches	20	16	18	20
Per pound..	$1.25	.82	.96	1.20
Length, in...	⅝	⅝	¾	¾
Wire gauge, inches	16	18	12	14
Per pound..	$0.80	.94	.73	.75
Length, in...	¾	¾	⅞	⅞
Wire gauge, inches	16	18	14	16
Per pound..	$0.78	.92	.74	.76
Length, in...	⅞	1	1	1
Wire gauge, inches	18	12	14	16
Per pound..	$0.90	.71	.73	.75

ONE POUND IN A BOX.

LOGGERS' BOOT CALKS.



LUFKIN, Steel.

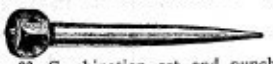
Nos.	000	00	1
Length of point, in.	¼	⅜	⅜
W't per 1,000, lbs...	3	4	4½
Per thousand.....	$7.00	7.00	7.00
	BGJ	BGJ	BGJ

100 IN A PAPER; 1,000 IN A PACKAGE.

BOOT CALK SETS.



No. 43—Sets, forged steel, polished, length 2¾ in., w't per doz. 1 lb., per dozen .....AHJ $3.75



No. 83—Combination set and punches, forged steel, polished, length 4½ in., w't per doz. 2 lbs., per dozen .....BDJ $4.00

ONE DOZEN IN A BOX.

FURNITURE NAILS.

No. 1902-C—Black leatherine, ⅜ in. head, ½ in. shank, for nailing on fibre chair seats, per thousand JIJ $1.65



No. 1902-T—Tan, otherwise same as No 1902-C, per thousand .....JIJ $1.50

No. 1950—50 in a box, otherwise same as No. 1902-C, per thousand....AAJ $2.15

No. 1950-T—Tan, otherwise same as No. 1902-C, per thousand .....AAJ $2.00

ONE THOUSAND IN A PACKAGE.

FURNITURE NAILS.



43,143,243.

Oval Brass Head.

Nos, ...	19	12	42	43
No. in a box	1000	1000	1000	1000
Per thousand	$1.30	1.30	1.40	1.20
Nos.	142	112	143	242
No. in a box	100	100	100	50
Per thousand	$1.70	1.60	1.50	1.90
Nos.	243	212	219	
Number in a box..	50	50	50	
Per thousand.....	$1.70	1.80	1.80	

ONE THOUSAND IN A PACKAGE.

ZINC GLAZIERS' POINTS.



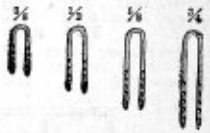
No. 3. No. 2. No. 1.

In ¼ lb. Papers.

No. 3—Small.....per dozen $1.50
No. 2—Medium.....per dozen $1.50
No. 1—Large.....per dozen $1.50

ONE DOZEN IN A PACKAGE.

BLIND STAPLES.

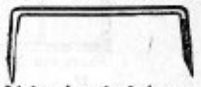


Barbed.

Length, in...	⅜	½	⅝	¾
Per pound..	$0.18	.17	.17	.17
	AA	AA	AA	AA

TEN POUNDS IN A BOX.

BUTTER TUB STAPLES.



No. 1—Light, length 2 in., coppered, per pound .....JH $0.16

No. 2—Heavy, length 2 in., coppered, per pound .....JH $0.15

25 LBS. IN A BOX; 350 LBS. IN A BARREL.

HOOP STAPLES.

Coppered, ¾x¾ in., in 25 lb. boxes, per pound .....JH $0.15

FLEXIBLE CLASPS.



No. 10—Acme pattern, length 2¼ in., coppered.....per pound AD $0.25

TWENTY-FIVE POUNDS IN A BOX.

SCREEN DOORS AND WINDOW SCREENS.

OUTSIDE STATIONARY WINDOW SCREENS.



⅞ in., any height or width, in lots of less than one dozen of a size, ★ per 100 square feet ..... FCJ $8.00

In lots of dozen or more of a size★, per 100 square feet ..... EAJ $7.00

1⅛ in., any height or width, in lots of less than one dozen of a size★, per 100 square feet ..... GDJ $9.00

In lots of dozen or more of a size★, per 100 square fee ..... FAE $8.00

The frames are made of pine, stiles or side pieces are 2 in. wide, top rail 2 in. wide, lock (or center) rail 1 in. wide, bottom rail 3½ in. wide, mortised and tenoned joints, painted green or black, stained to imitate walnut, cherry or mahogany.

Black wire cloth is used on frames, unless otherwise specified.

In ordering these screens, specify size of glass and the number of lights, thickness of frame and color.

WINDOW SCREENS.

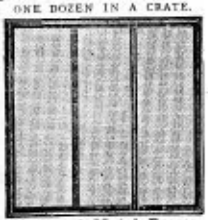


Extension, Hardwood, Oiled, Beaded on Both Sides.

Nos.	6	7	8	8½	9	12
Height, in.	18	24	24	28	30	36
Width closed, in.	21	21	23	23	23	23
Width extended, in.	33	33	37	37	37	37
W't per doz., lbs.	34	38	45	48	52	59
Per dozen	$6.25 BDJ	7.25 BHJ	7.65 CAE	8.55 CFE	9.50 DJJ	11.35 JDGE

These screens are guaranteed to have perfect adjustment. The wire cloth is securely fastened to frame and is covered with the moulding.

ONE DOZEN IN A CRATE.



Sherwood Metal Frame.

Nos.	18	24	24A	30	30A
Height, in	18	24	24	30	30
Width closed, in.	20	20	22	22	25
Width exten'd, in.	33	33	37	37	43
W't per doz., lbs.	27	32	35	46	50
Per dozen	$8.50 CDJ	9.50 CIJ	10.50 JDCJ	14.00 JEDJ	17.00 JFEJ

The Sherwood Screen Frames are made of pressed steel, black japanned and are easily operated.

SCREEN CORNER IRONS.



No. 1—2x2 in., made from one piece galvanized steel, strong and durable. 4 in a set, w't per doz. sets 1½ lbs., per dozen sets ..... JGJ $1.50

THREE DOZEN SETS IN A BOX.

SCREEN DOORS.



Nos. 80 to 100.



Nos. 120 to 130.

Four Panel, Painted Green—Not Dipped—with a Pure Linseed Oil Paint, Black Wire Cloth, 12 Mesh, Stock Sizes.

No. 80—⅞ in., 2 ft. 6 in. x 6 ft. 6 in., w't per doz. 180 lbs., per dozen ..... AAIE $16.00

No. 82—⅞ in., 2 ft. 8 in. x 6 ft. 8 in., w't per doz. 190 lbs., per dozen ..... ABFJ $16.50

No. 90—1⅛ in., 2 ft. 6 in. x 6 ft. 6 in., w't per doz. 220 lbs., per dozen ..... ACEJ $17.50

No. 92—1⅛ in., 2 ft. 8 in. x 6 ft. 8 in., w't per doz. 230 lbs., per dozen ..... ADAE $18.00

No. 94—1⅛ in., 2 ft. 8 in. x 7 ft., w't per doz. 250 lbs., per dozen ..... ADFE $18.50

No. 96—1⅛ in., 2 ft. 10 in. x 6 ft. 10 in., w't per doz. 250 lbs., per dozen ..... ADIJ $19.00

No. 98—1⅛ in., 2 ft. 10 in. x 7 ft., w't per doz. 260 lbs., per dozen ..... AEJE $19.50

No. 100—1⅛ in., 3 x 7 ft., w't per doz. 260 lbs., per dozen ..... AFBJ $20.00

Made from kiln-dried pine, free from damaging imperfections. 3 in. stiles, ⅞ or 1⅛ in. thick, ½ in. wider and 1 in. longer than regular size, to allow for trimming, base rails 6 in. wide, O. G. finish, and with square mortised and tenoned joints throughout, making the strongest and best construction possible. The edge of the wire is covered with beaded moulding (raised) with mitered joints.

Fancy, Natural Wood Color, with Two Coats of Varnish that Will Stand Weather Exposure and Will Not Mar in Shipping, Black Wire Cloth, 12 Mesh, Stock Sizes.

No. 120—1⅛ in., 2 ft. 6 in. x 6 ft. 6 in., w't per doz. 240 lbs., per dozen ..... AGIJ $32.00

No. 122—1⅛ in., 2 ft. 8 in. x 6 ft. 8 in., w't per doz. 260 lbs., per dozen ..... AHGJ $32.50

No. 123—1⅛ in., 2 ft. 8 in. x 7 ft., w't per doz. 260 lbs., per dozen ..... AIBE $33.00

No. 124—1⅛ in., 2 ft. 10 in. x 7 ft., w't per doz. 260 lbs., per dozen ..... AIGJ $34.00

No. 126—1⅛ in., 2 ft. 10 in. x 6 ft. 10 in., w't per doz. 270 lbs., per dozen ..... AIDE $33.50

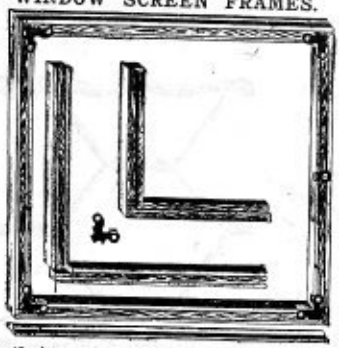
No. 128—1⅛ in., 2 ft. 8 in. x 8 ft., w't per doz. 290 lbs., per dozen ..... BJGJ $36.00

No. 130—1⅛ in., 3 ft. x 7 ft., w't per doz. 280 lbs., per dozen ..... AIIJ $34.50

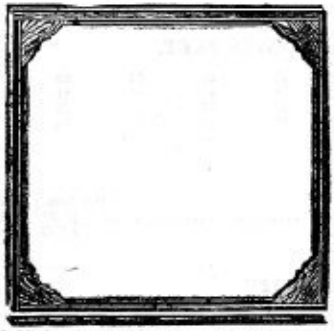
Made from strictly clear pine, kiln dried, free from imperfections. Only select stock is used. 3 in. stiles, 6 in. base rail, 1⅛ in. thick, ½ in. wider and 1 in. longer than regular size, to allow for trimming, O. G. finish, and with square mortised and tenoned joints throughout, making the strongest and best construction possible. The edge of the wire cloth is covered with beaded moulding (raised) with mitered joints.

WINDOW SCREEN FRAMES, WIRE CLOTH, ETC.

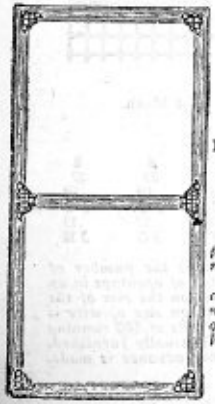
WINDOW SCREEN FRAMES.



No. 60—36x42 in., w't per doz. sets 53 lbs., per dozen sets .....**BGE** $2.90
No. 61—42x42 in., w't per doz. sets 55 lbs., per dozen sets .....**BIJ** $3.30
Heavy walnut stained strips and moulding to cover the edge of wire cloth, also guide strips, Berlin bronzed cast corners with screws and the necessary nails to put the frame together.



No. 80—36x36 in., w't per doz. sets 40 lbs., per dozen sets .....**BFF** $3.50
No. 85—42x42 in., w't per doz. sets 53 lbs., per dozen sets .....**BIJ** $4.25
All parts made of wood. Walnut stain.
TWO DOZEN SETS IN A CRATE.



WABASH FULL SIZE WINDOW SCREEN FRAMES.

No. 90—Size 36x84 in., with mouldings ⅞x1¼ in., no slide-sticks, w't per doz. 65 lbs., per dozen .....**EJJ** $6.50

The center-rail or cross-bar can be placed at any point in frame to correspond with check-rail or sash. Berlin bronze cast corners and center brackets, with screws and nails necessary to put the frame together, are packed with each set. Walnut stain.

ONE DOZEN IN A CRATE.

SCREEN WIRE CLOTH.



Double Selvedge.
12 Mesh, black, widths 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46 and 48 in. .....per 100 square feet **AFE** $4.00
14 Mesh, black, widths 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46 and 48 in.★ .....per 100 square feeh **BEJ** $6.00
16 Mesh, black, widths 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46 and 48 in.★.....per 100 square feet **CAE** $8.00
12 Mesh, galvanized, widths 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44 and 48 in.....per 1.. square feet **JBEJ** $10.00
14 Mesh, galvanized, widths 24, 26, 28, 30, 32, 34 and 36 in., per 100 square feet .....**JCAJ** $12.00
16 Mesh, galvanized, widths 24, 26, 28, 30, 32, 34 and 36 in., per 100 square feet★ .....**JCFJ** $14.00
14 Mesh, genuine bronze, stock sizes, widths 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 48 in. ..per 100 square feet **JGIJ** $15.00
We always send 12 mesh unless otherwise ordered. We do not pack wire cloth in boxes unless so ordered, in which case an additional charge is made.
14 MESH GENUINE BRONZE (STOCK SIZES) IN ROLLS OF 50 RUNNING FEET; ALL OTHER STOCK SIZES IN ROLLS OF 100 RUNNING FEET.

PREMIER WIRE CLOTH.



Heavy Metallic Coat of High Grade Spelter or Zinc Woven with Blue String in Both Selvedge Edges. In Quality Ranks Next to Bronze.
13 Mesh, 32 wire, widths 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44 and 48 in. ..... per 100 square feet **JCGE** $13.00
For widths over 48 in., add $0.50 per 100 sq. ft. net. Widths under 18 in., add $0.10 per 100 sq. ft. net.

TABLE SHOWING WEIGHTS PER ROLL.

Widths, in.	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
W't, roll, lbs.	15	17	19	21	23	24	25	27	28	30	31	33	35	36	37	38



WIRE CLOTH RACKS.

No. 100—IXL, wrought steel, galvanized, height 48 in., w't 40 lbs., each .....**DGJ** $5.50

Gives room for all sizes and kinds of wire cloth within easy reach, occupies but small space, and serves to advertise the goods and improves the appearance of the store. Space for twenty-eight full rolls of wire cloth with additional room for remnants.

WIRE CLOTH MEASURING MACHINES.

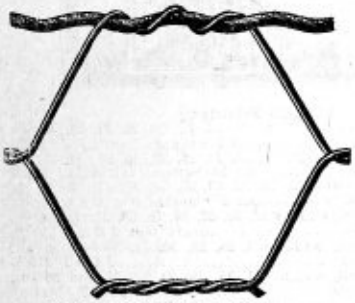


IXL—Measures accurately to the fraction of an inch, requires but 24 inches of counter space, w't boxed 80 lbs., each★ .....**AHJJ** $24.00

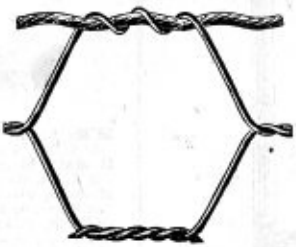
★FOR FACTORY SHIPMENT ONLY.

POULTRY NETTING AND HARDWARE WIRE CLOTH.

POULTRY NETTING.

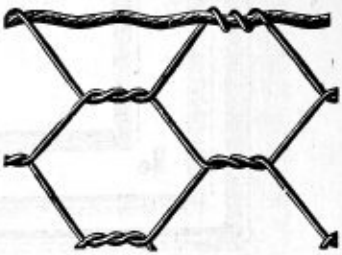


Full Size Cut 1½ Inch Mesh.



Full Size Cut 1 Inch Mesh.

Galvanized before .....HJ%
Galvanized after .....GE%



Galvanized, Hexagon Mesh.

Nos.	14	15	16	17	18	19	20
2 in. Mesh .....per square foot	$0.09½	.07¼	.05½	.04½	.03¼	.02½	.02¼
1½ in. Mesh .....per square foot			.08¾	.07¼	.04½	.03½	.03
1 in. Mesh ..... per square foot					.07¾	.06½	.05½

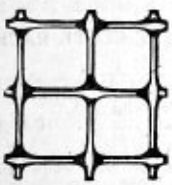
TABLE OF WEIGHT PER ROLL OF 150 RUNNING FEET.

Widths, in.	12	18	24	30	36	42	48	54	60	72
No. 19—2 in., lbs.	13	18	23	28	32	37	42	47	51	61
No. 19—1½ in., lbs.	16	23	29	36	43	48	55	63	68	82
No. 20—1 in., lbs.	18	26	32	40	47	55	62	69	76	90

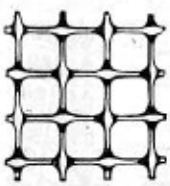
NETTING STAPLES.

	Per box.	Per keg.
No. 14—Galvanized, ¾, ⅞ and 1 in., 10 lbs. in a box, 100 lbs. in a keg	$1.20	10.00
	JEG	JDIJ

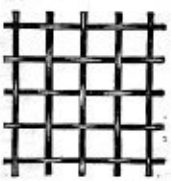
STANDARD HARDWARE WIRE CLOTH.



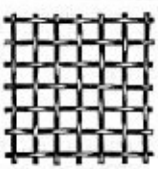
2 Mesh.



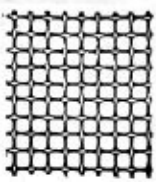
3 Mesh.



4 Mesh.



6 Mesh.



8 Mesh.

Square Mesh, Light Hardware Grade, 24, 30 or 36 Inch Wide.

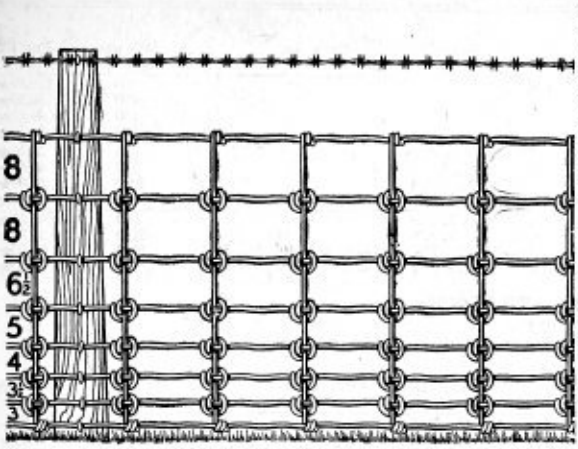
Mesh	2	2½	3	4	5	6	8
Wire Gauge	19	20	21	23	24	25	27
Annealed .....per square foot	$0.08	.08	.08	.08	.08	.08	.08
	JC	JC	JC	JC	JC	JC	JC
Galvanized .....per square foot	$0.12	.12	.12	.12	.12	.12	.15
	JE	JE	JE	JF	JF	JG	JH

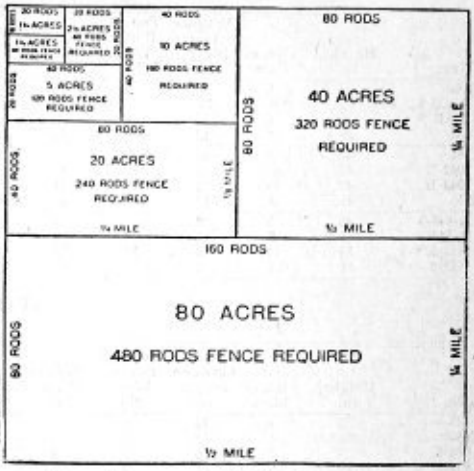
When ordering, be particular to state length, mesh, width and size of wire wanted. The mesh means the number of openings or holes to the inch, measured from the center of the wires; in other words, counting the number of openings in an inch, taking the center of a given wire for a starting point. The size of the openings in a mesh depends on the size of the wire used. The heavier the wire, the smaller the opening. We catalogue only the size usually furnished when size of wire is not specified. Where a special size is wanted be particular to send sample. Wire cloth is sold in full rolls of 100 running ft.; the standard widths are 24, 30 and 36 in., but many other widths from 12 to 48 in., inclusive, can be usually furnished. When less than a full roll is ordered, an extra charge is made; when less than 50 running feet, a further advance is made.

CUT PIECES OF WIRE CLOTH CANNOT BE RETURNED.

100 RUNNING FEET IN A ROLL. AVERAGE WEIGHT 20 LBS. PER 100 SQUARE FEET.

REVONOC WOVEN WIRE FENCING.





Above diagram represents ¼ section, or 160 acres.

REVONOC woven wire fencing is made of the best quality of hard-drawn steel wire. This wire is heavily galvanized, making it weather proof. All the wire used must with stand a rigid acid test. Skilled workmen, who are familiar with all of the conditions, examine carefully every wire used. We have combined in our fence durability and extreme quality. You cannot find a fence anyyhere combining as many good features as the REVONOC. It is built to stand any test to which a fence can ordinarily be put.

The Lock or tie is very strong, having five points of bearing. It holds wires firmly, non-slipable, but permitting enough play so that fence will go up on hilly ground, letting cross-bars stand perpendicular without kinking line wires. Our lock is not driven down on wires at the point of crossing, but is driven at an angle, and therefore not a wire in the fence is injured.

The Type belongs to the kind known as the stiff-stay type, the stay being made from one continuous piece of hard steel wire. Any fence lacking in this very essential feature cannot long retain a presentable appearance, nor give the best of service. It will not sag in summer's heat or break in cold weather.

Spacing—The spacing of all of the REVONOC fences is made so as to give the best service for the purpose for which the fence is designed to be used.

Length—In poultry fence, ten rod rolls will be supplied where wanted. Regular size rolls, however, of both poultry and field fence are either 20, 30 or 40 rods in length.

HOG.

DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
620	20	6	12	11	12	3, 3, 4, 4½, 5½	450	$25.00★
620-6	20	6	6	11	12	3, 3, 4, 4½, 5½	570	32.10★
620-6-PJ	20	6	6	11	14½	3, 3, 4, 4½, 5½	350	26.80★
726	26	7	12	9	12	3, 3, 3½, 4½, 5½, 5½	580	30.40★
726-6	26	7	6	9	12	3, 3, 3½, 4½, 5½, 5½	730	38.50★
726-6-9	26	7	6	9	9	3, 3, 3, 4, 5, 7	1260	66.10★
726-9	26	7	12	9	9	3, 3, 3, 4, 5, 7	940	48.40★
726-PJ	26	7	6	11	14½	3, 3, 3½, 4½, 5½, 5½	400	30.40★
3726	26	7	12	10	13	3, 3, 3½, 4½, 5½, 5½	440	26.90★
3726-6	26	7	6	10	13	3, 3, 3½, 4½, 5½, 5½	570	33.60★

HOG AND SHEEP.

DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
832	32	8	12	9	12	3, 3, 3½, 4½, 5½, 5½, 6	670	$34.70★
832-6	32	8	6	9	12	3, 3, 3½, 4½, 5½, 5½, 6	840	44.20★
832-9	32	8	12	9	9	3, 3, 3, 4, 5, 7, 7,	1100	56.10★
832-6-9	32	8	6	10	13	3, 3, 3, 4, 5, 7, 7,	1460	76.50★
3832	32	8	12	10	13	3, 3, 3½, 4½, 5½, 5½, 6	513	31.50★
3832-6	32	8	6	10	13	3, 3, 3½, 4½, 5½, 5½, 6	650	39.60★

SHEEP AND CATTLE.

DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
635	35	6	12	9	12	5, 6, 7, 8, 9	560	$29.60★
A-635-9	35	6	28	9	9	5, 6, 7, 8, 9	690	36.10★
B-635-9	35	6	14	9	9	5, 6, 7, 8, 9	850	44.80★
835	35	8	12	9	12	3, 3, 4, 5, 6, 7, 7	680	36.70★
841	41	8	12	9	12	4, 4½, 5, 5½, 6, 8, 8	710	38.40★
1042-B	42	10	12	9	12	3, 3, 3, 4, 4½, 5½, 6, 6, 7	830	43.80★
1042-H	42	10	12	9	11	3, 3, 3, 4, 4½, 5½, 6, 6, 7	1020	53.00★
845	45	8	12	9	12	4½, 5, 5½, 6, 7, 8, 9	720	38.50★
A-845-9	45	8	28	9	9	4½, 5, 5½, 6, 7, 8, 9	960	47.75★
B-845-9	45	8	14	9	9	4½, 5, 5½, 6, 7, 8, 9	1130	57.75★
1451-LT-6	51	14	6	10	13	3, 3½, 3½, 3½, 3½, 3½, 4, 4, 4, 4, 4½, 4½, 5½	1030	60.50★
1451-6	51	14	6	9	12	3, 3½, 3½, 3½, 3½, 3½, 4, 4, 4, 4, 4½, 4½, 5½	1380	73.50★

CATTLE AND STOCK.

DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
838-9	38	8	12	9	9	3, 3½, 4, 5, 6½, 8, 8,	1150	$58.60★
934	34	9	12	9	9	3, 3, 3, 4, 4½, 5, 5½, 6	730	38.90★
934-6	34	9	6	9	9	3, 3, 3, 4, 4½, 5, 5½, 6	930	49.90★
939-9	39	9	12	9	9	3, 3, 3, 4, 5, 6, 7, 8	1230	63.20★
939-6-9	39	9	6	9	9	3, 3, 3, 4, 5, 6, 7, 8	1732	87.00★
939-H	39	9	12	9	11	3, 3, 3, 4, 5, 6, 7, 8	940	48.50★
939-H-6	39	9	6	9	11	3, 3, 3, 4, 5, 6, 7, 8	1230	62.75★
3939	39	9	12	10	13	3, 3, 3½, 4½, 5½, 5½ ,6, 7	570	34.60★
3939-6	39	9	6	10	13	3, 3, 3½, 4½, 5½, 5½ ,6, 7	730	45.70★
941	41	9	12	9	12	3, 3½, 4, 4½, 5, 6, 7, 8	760	39.20★
941-6	41	9	6	9	12	3, 3½, 4, 4½, 5, 6, 7, 8	1000	51.20★
A-742-9	42	7	28	9	9	7, 7, 7, 7, 7	820	43.30★
B-742-9	42	7	14	9	9	7, 7, 7, 7, 7	1000	52.00★
				Top. Bot.				
1258-B	58	12	12	7 9	11½	3, 3, 3, 4, 4½, 5, 6, 6½, 7, 8, 8	1160	62.20★
1258-B-6	58	12	6	7 9	11½	3, 3, 3, 4, 4½, 5, 6, 6½, 7, 8, 8	1500	82.50★
1258-H	58	12	6	7 9	11	3, 3, 3, 4, 4½, 5, 6, 6½, 7, 8, 8	1310	68.30★
1258-9	58	12	12	9 9	9	3, 3, 3, 4, 4½, 5, 6, 6½, 7, 8, 8	1720	88.00★
1358	58	13	12	7 9	11	3, 3, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7	1370	73.90★
1358-6-9	58	13	6	9 9	9	3, 3, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7	2530	135.50★

FIELD FENCE.

DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
947-B	47	9	12	9	12	3, 3½, 4½, 6, 7, 7, 8, 8	770	$41.80★
A-947-9	47	9	28	9	9	3, 3½, 4½, 6, 7, 7, 8, 8	1060	54.60★
B-947-9	47	9	14	9	9	3, 3½, 4½, 6, 7, 7, 8, 8	1260	65.00★
949	49	9	12	9	12	4, 4½, 5, 5½, 6, 7, 8, 9	790	42.20★
948-H	48	9	12	9	11	3½, 4, 4½, 5, 7, 7½, 8, 8½	995	54.00★
1047-B	47	10	12	9	12	3, 3, 3, 4, 5, 6, 7, 8, 8	840	44.60★
1047-B-6	47	10	6	9	12	3, 3, 3, 4, 5, 6, 7, 8, 8	1100	58.10★
1047-H	47	10	12	9	11	3, 3, 3, 4, 5, 6, 7, 8, 8	1050	54.50★
1047-H-6	47	10	6	9	11	3, 3, 3, 4, 5, 6, 7, 8, 8	1430	71.80★
1047-9	47	10	6	9	9	3, 3, 3, 4, 5, 6, 7, 8, 8	1430	72.40★
1047-6-9	47	10	6	9	9	3, 3, 3, 4, 5, 6, 7, 8, 8	1970	102.00★
1047-10	47	10	12	10	10	3, 3, 3, 4, 5, 6, 7, 8, 8	1290	65.00★
1047-6-10	47	10	6	10	10	3, 3, 3, 4, 5, 6, 7, 8, 8	1800	94.00★
1047-13	47	10	12	10	13	3, 3, 3, 4, 5, 6, 7, 8, 8	630	39.60★
1047-6-13	47	10	6	10	13	3, 3, 3, 4, 5, 6, 7, 8, 8	830	50.80★
1148-B	48	11	12	9	12	3, 3, 3, 3½, 4½, 5, 5½, 6½, 7, 7	900	63.20★
1148-B-6	48	11	6	9	12	3, 3, 3, 3½, 4½, 5, 5½, 6½, 7, 7	1180	48.90★
1148-H	48	11	12	9	11	3, 3, 3, 3½, 4½, 5, 5½, 6½, 7, 7	1130	58.80★
1148-H-6	48	11	6	9	11	3, 3, 3, 3½, 4½, 5, 5½, 6½, 7, 7	1500	77.60★
				Top. Bot.				
1148-HS	48	11	12	7 9	11	3, 3, 3, 3½, 4½, 5, 5½, 6½, 7, 7	1200	62.56★
1155-B	55	11	12	9 9	12	3, 3, 3, 4, 5, 6, 7, 8, 8, 8	930	49.50★
1155-B-6	55	11	6	9 9	12	3, 3, 3, 4, 5, 6, 7, 8, 8, 8	1250	66.20★
1155-H	55	11	12	7 9	11	3, 3, 3, 4, 5, 6, 7, 8, 8, 8	1210	61.60★
1155-9	55	11	12	9 9	9	3, 3, 3, 4, 5, 6, 7, 8, 8, 8	1600	81.60★

20, 30 and 40 Rod Rolls.

★*FOR FACTORY SHIPMENT ONLY, ADRIAN, MICH.*

GARDEN AND POULTRY FENCE. DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
1448	48	14	12	9	11	2½, 2½, 2½, 2½, 2½, 3, 3, 3½, 4, 5, 5½, 5½, 6	1460	$72.75★
928	28	9	12	10	13	1¾, 2¼, 2½, 2½, 3½, 4, 5½, 6	530	32.50★
928-6	28	9	6	10	13	1¾, 2¼, 2½, 2½, 3½, 4, 5½, 6	660	39.50★
4813	48	13	12	10	13	1½, 2½, 2½, 2½, 3, 3½, 3½, 4, 5, 6, 7, 7	770	45.80★
4813-6	48	13	6	10	13	1½, 2½, 2½, 2½, 3, 3½, 3½, 4, 5, 6, 7, 7	980	58.20★
A-4813	48	13	9	10	13	1½, 2½, 2½, 2½, 3, 3½, 3½, 4, 5, 6, 7, 7	840	50.25★

POULTRY FENCE. DJ%.

No.	Height, in.	No. of Bars.	Distance between Stays, in.	Top and Bottom Wire, No.	Filling Wire, No.	Space Between Bars, in. Beginning at Bottom.	W't per 100 Rods, Lbs.	Per 100 Rods.
1849	49	18	12	9	12	1½, 1½, 1½, 1¾, 2, 2⅛, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 4, 4, 4	1270	$71.30★
1849-6	49	18	6	9	12	1½, 1½, 1½, 1¾, 2, 2⅛, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 4, 4, 4, 4	1560	87.60★
2058	58	20	6	9	12	1½, 1½, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 4, 4, 4, 4, 4½, 4½	1430	79.40★
2058-6	58	20	6	9	12	1½, 1½, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 4, 4, 4, 4, 4, 4½, 4½	1700	96.70★
				Top. Bot.				
2048	48	20	6	11 12	14½	1, 1, 1, 1, 1, 1½, 1½, 2, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 3¾, 3¾, 3¾	880	67.90★
2360	60	23	6	11 12	14½	1, 1, 1, 1, 1, 1, 2, 2½, 2¾, 3, 3¼, 3½, 3¾, 3¾, 3¾, 3¾, 3¾, 3¾, 3¾, 3¾	1020	79.80★
1425	25	14	6	11 12	14½	1, 1, 1, 1, 1, 1½, 1½, 2, 2½, 2¾, 3, 3¼, 3½	610	49.10★
2060	60	20	8	10 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¼, 3¼, 4, 4, 4, 4, 4, 4, 5, 6	850	65.80★
2060-6	60	20	6	11 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2½, 2¼, 3¼, 3¾, 3¼, 4, 4, 4, 4, 4, 4, 5, 6	940	70.90★
1736-6	36	17	6	11 12	14½	1½, 1½, 1¾, 1¾, 2, 2, 2, 2, 2¼, 2¾, 2¼, 2½, 2½, 3, 3¼, 3½	760	55.00★
1536	36	15	8	10 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¾, 3¼, 4, 4, 4,	630	48.80★
1536-6	36	15	6	10 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¾, 3¼, 4, 4, 4,	670	52.10★
1848	48	18	8	10 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¾, 3¼, 4, 4, 4, 4, 4,	750	56.80★
1848-6	48	18	6	11 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¾, 3¼, 4, 4, 4, 4, 4,	840	59.80★
1954	54	19	6	11 12	14½	1¼, 1¼, 1¼, 1¼, 1½, 1¾, 2¼, 2¼, 3¼, 3¾, 3¼, 4, 4, 4, 4, 4, 4, 5	800	59.80★
2348	48	23	4	11 12	16	1, 1, 1, 1, 1, 1¼, 1¼, 1¼, 1¼, 1½, 1½, 2, 2, 2½, 2½, 3, 3½, 3½, 4, 4, 4, 4	820	73.80★
2660	60	26	4	11 12	16	1, 1, 1, 1, 1, 1¼, 1¼, 1¼, 1¼, 1¼, 1½, 1½, 2, 2, 2½, 2½, 3, 3½, 3½, 4, 4, 4, 4, 4, 4, 4	950	88.90★
2972	72	29	4	11 12	16	1, 1, 1, 1, 1, 1¼, 1¼, 1¼, 1¼, 1¼, 1½, 1½, 2, 2, 2, 2½, 2½, 3, 3½, 3½, 4, 4, 4, 4, 4, 4, 4, 4, 4	1090	99.60★
2236	36	22	4	11 12	16	1¼, 1¼, 1¼, 1⅛, 1½, 1⅛, 1¼, 1¼, 1¼, 1⅛, 1⅞, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛, 1⅛	755	67.70★

10, 20 *and* 30 *Rod Rolls.*

BANNER POULTRY.

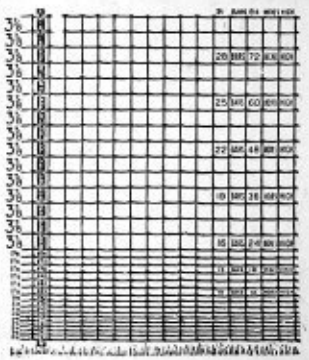
No. 17 Wire with No. 15 Top and Bottom, Stays 4 in. Apart.

Nos.	1624	1936	2248	2560	2872
Height, in.	24	36	48	60	72
Wires	16	19	22	25	28
W't per 100 rods, lbs.	355	437	526	614	683
Per 100 rods.	$35.50	44.00	52.50	61.50	70.00
	BCJJ	BHEJ	CDJJ	CIHE	DECE

10 RODS IN A ROLL.

This fence is designed especially for poultry, however, the close mesh together with its range of height make it a fence used generally for rabbit yards, sheep and pig pens, and in fact a safe fence for any light stock.

Its heavy galvanizing is evidence of its rust proof, peel proof and general wearing qualities. It is the best fencefor poultry and light stock on the market.

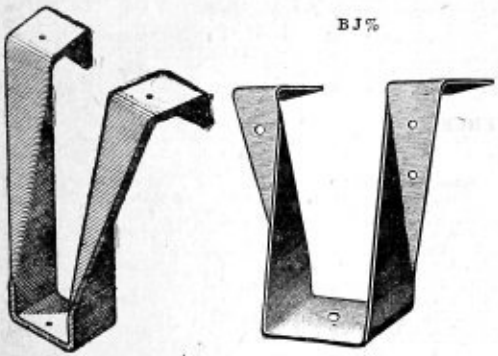


★*FOR FACTORY SHIPMENT ONLY, ADRIAN, MICH.*

JOIST HANGERS AND CORN CRIBS.

COLUMBIAN JOIST HANGERS.

BJ%

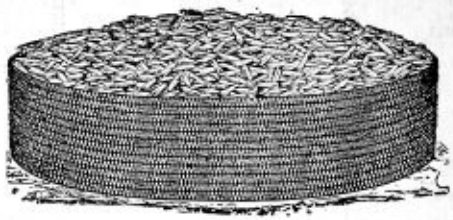


Forged steel, asphaltum painted. All hangers are made ¼ in. scant to allow for surfacing—for example, hangers for 2x10 in. joists are made 2x9¾ in. Hangers with longer arms than those herein given can be supplied at an additional charge. Double Joist and Timber Hangers are made to order at special prices contingent upon size of hangers and quantity desired.

★*FOR FACTORY SHIPMENT ONLY, F. O. B. CLEVELAND, OHIO.*

Size of Joist.	Length of arms, inches.	Size of stock.	Weight of hanger in lbs.	Safe strength in lbs. each hanger.	Single, each.
2 x 6	2	2 x ⅜	1.50	5,000	$0.16★
2 x 8	2	2 x ⅜	1.77	5,000	.18★
2 x10	2	2 x ⅜	3.09	7,500	.22★
2 x12	2	2 x ⅜	3.52	7,500	.28★
2 x14	2	2¼x ⅜	4.41	8,440	.34★
2 x16	2	2½x ⅜	4.87	9,380	.40★
2½x 8	2	2¼x ⅜	3.04	8,440	.24★
2½x10	2	2¼x ⅜	3.52	8,440	.30★
2½x12	2	2¼x ⅜	3.99	8,440	.32★
2½x14	2	2½x ⅜	5.	9,380	.36★
2½x16	2	2½x ⅜	5.54	9,380	.50★
3 x 8	2	2¼x ⅜	3.10	8,440	.28★
3 x10	2	2¼x ⅜	3.58	8,440	.32★
3 x12	2	2¼x ⅜	4.05	8,440	.40★
3 x14	2	2¼x ⅜	5.07	9,380	.42★
3 x16	2	2½x ⅜	5.60	9,380	.55★
4 x 8	2	2½x ⅜	3.60	9,380	.36★
4 x10	2	2½x ⅜	4.13	9,380	.40★
4 x12	2	2½x ½	6.03	12,500	.46★
4 x14	2	2½x ½	6.92	12,500	.54★
4 x16	2	2½x ½	7.63	12,500	.75★
5 x 8	3	3 x ¼	6.40	15,000	.50★
5 x10	3	3 x ¼	7.24	15,000	.64★
5 x12	3	3 x ¼	8.48	15,000	.68★
5 x14	3	3 x ¼	8.92	15,000	.72★
5 x16	3	3 x ¼	9.80	15,000	1.00★
6 x 8	3	3 x ¼	6.60	15,000	.54★
6 x10	3	3 x ¼	7.45	15,000	.68★
6 x12	3	3 x ¼	8.22	15,000	.74★
6 x14	3	3 x ¼	9.10	15,000	.90★
6 x16	3	3 x ¼	10.01	15,000	1.10★
8 x10	3	3 x ⅜	9.82	18,000	.80★
8 x12	3	3 x ⅜	10.91	18,800	1.00★
8 x14	3	3 x ⅜	11.96	18,800	1.20★
8 x16	3	3 x ⅜	13.01	18,800	1.50★
10 x12	3	3 x ⅜	13.71	22,500	1.30★
10 x14	3	3 x ⅜	14.98	22,500	1.50★
10 x16	3	3 x ⅜	16.28	22,500	2.00★
12 x12	3	3 x ⅜	16.73	26,300	1.50★
12 x14	3	3 x ⅜	18.29	26,300	2.00★
12 x16	3	3 x ⅜	19.71	26,300	2.40★
12 x18	3	3 x ⅜	21.19	26,300	2.60★
14 x14	3	3 x ½	21.67	30,000	2.20★
14 x16	3	3 x ½	23.36	30,000	2.60★
14 x18	3	3 x ½	25.91	30,000	3.00★

STEEL CORN CRIBS.



No. 50—2 in. mesh, galvanized steel wire, one section, height 50 in., diameter 15½ ft., capacity 400 bu. in ear, w't about 77 lbs.★ .....each CAJ $9.00

By using two cribs one above the other a capacity of 800 bu. can be secured.



No. 75—2 in. mesh, galvanized steel wire, two sections, height 100 in., diameter of crib 11⅗ ft., capacity 400 bu. in ear, w't about 117 lbs.★ .....each JDFJ $13.50

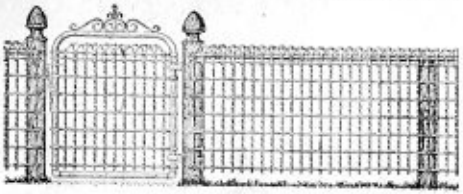
These cribs are durable, thoroughly ventilated, vermin and fireproof, stronger and cheaper than wood. They are inexpensive, easy to build or move and can be used as a chicken or yard fence.



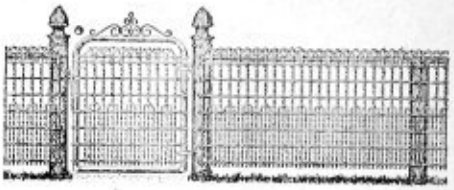
No. 50 is put up in one piece or section in a roll as shown above. No. 75 is put up in two pieces or sections of equal length, but packed together in a single roll.

FENCING AND GATES.

REPUBLIC ORNAMENTAL FENCING AND GATES.



"X" Fabric and Gate Mounted on Wood Posts and Rail.



"Z" Fabric and Gate Mounted on Wood Posts and Rail.

No. of Cables	5	6	7	8	9	10	11	12	13	14	15
Height of Fabric, in.	24	30	36	42	48	54	60	66	72	78	84
X Fabric, per lineal foot	$0.14★ JF	.16★ JG	.18★ JH	.19★ JI	.21★ AJ	.23★ AA	.26★ AB	.29★ AC	.32★ AD	.35★ AE	.38★ AG
Z Fabric, per lineal foot	$0.19★ JH	.21★ JI	.22★ AJ	.24★ AA	.28★ AB	.31★ AD	.35★ AE	.40★ AH	.46★ BJ	.53★ BE	.62★ CJ

REPUBLIC ORNAMENTAL WALK GATES.

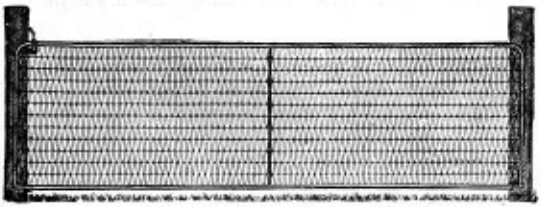
Fitted with Any Style Ornametal Fabric. In Height Up to and Including 48 Inches.

Openings, ft.	3	3½	4	5	6
Each	$5.00★ BDJ	5.50★ BGE	6.00★ BIJ	7.00★ CCE	8.00★ CHE

Republic Fabrics are made by cabling horizontal wires and inserting, at intervals, heavy upright or picket wires corrugated, to engage the cabled line wires, reversing the twist of the cable on each picket (not between them), firmly seating the cable in the corrugations of the uprights making an immovable joint and providing for contraction and expansion. This method of reversing the twist of the cables on the pickets prevents the cables from untwisting or becoming slackened under severe strain or climatic changes.

The extra picket interwoven in the Z fabrics gives them an unusually close spacing, as well as added strength, which with the regular double top, distributes the strength where most needed. All Republic fabrics also have a sharp corrugation at the bottom of the pickets, which, being reversely interwoven in the fabric, prevents the lower cable from becoming dislodged. X fences are without the extra picket interwoven.

YANKEE DRIVE.



Yankee Farm, All Steel Frame and Wire, Pipe Steel.

Height, in.	50	58	50	58	50	58
Opening, ft.	12	12	14	14	16	16
W't, lbs.	84	97	93	101	102	111
Each	$7.90★ DGE	8.35★ EJJ	8.50★ EAJ	9.10★ EDE	9.20★ EEJ	9.80★ EIJ

All holes in the hinge posts for Yankee gates should be bored at an angle of 45 degrees from the line o fthe gate when closed or wide open, as indicated above.

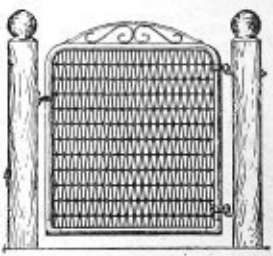


The Yankee Form of gate is especially adapted to farm and railroad uses. It has long been popular, largely due to the fact that no matter if the posts move slightly in any direction, it does not affect the operation of the gate. A Yankee gate, once properly hung, needs no further attention. An auger and a monkey-wrench are the only tools needed to hang the Yankee gate. All Yankee gates are made 10 inches wider than the indicated opening. For instance, a 14 foot Yankee gate is 14 feet 10 inches wide and is intended to lap 5 inches on each post. For a 14 foot Yankee gate set the posts 14 feet apart and the gate will fit all right. For 12 foot Yankee gate set posts 12 feet apart. Can be furnished with top or bottom crane if desired at the regular advance.

WALK GATES.

Walk, All Steel Frame and Wire, Pipe Steel.

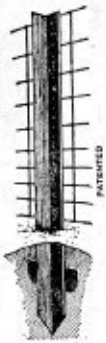
H'ght, in.	34	42	50	58	34	42	50	58	34	42	50	58
Width, in.	36	36	36	36	48	48	48	48	60	60	60	60
W't lbs.	17	19	21	23	20	22	24	27	31	33	37	40
Plain Top, each.	$2.25★ ACE	2.40★ ADE	2.60★ AEE	2.80★ AGJ	2.40★ ADE	2.60★ AEE	2.85★ AGJ	3.00★ AHJ	3.60★ BAE	3.80★ BCJ	4.05★ BDE	4.30★ BFJ
Ornamental Top, each.	$2.75★ AFE	2.90★ AGE	3.10★ AHE	3.30★ BJJ	2.90★ AGE	3.10★ AHE	3.35★ BJJ	3.50★ BAJ	4.10★ BDE	4.30★ BFJ	4.55★ BGJ	4.80★ BIJ



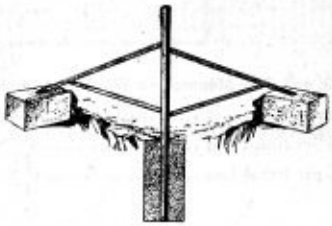
All gates are fitted with a diamond mesh fab ric having a two inch opening. The truss form of the mesh gives additional strength and the openings will stop small animals.

★ENTIRE PAGE FOR FACTORY SHIPMENT ONLY.

CRUSO STEEL FENCE POSTS.



Line Post.



Corners.

	Line.	End of Gate.	Corner.
Length, in.	72	90	90
W't each, lbs.	7	50	75
Each	$0.45★	4.50★	6.50★
	BH	**BGJ**	**CIJ**

The principal features of these posts are—

The Line Posts are drive posts, easily driven into any kind of soil, the earth acting as a cushion and aiding the natural bending qualities of the steel to protect the wire fencing against breakage through strain. Any sudden shock against the fencing or the posts themselves will result in the entire fencing system springing or yielding under this strain without breaking, as the posts would do if they were set solid or in concrete.

The Corner, End and Gate Posts are made of very heavy material and are intended to be set in concrete to prevent any give at these points. These posts are made up of units, bolted together, but are shipped nested, as are the Line Posts.

The other prominent features of these steel posts are—

The saving in loss of culls, as in the case of wood posts.

No concrete used for Line Posts.

Posts as perforated so that wire fencing may be stapledto the posts by clinching the staples over the wire and putting them through the holes in the posts and then bending the staples and clinching them inside the angle of the post.

Or the wire fencing may be attached with small loops of wire threaded through the holes in the post.

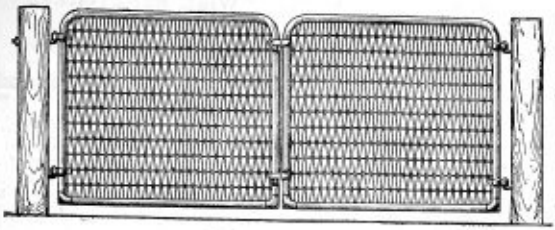
Cruso Line Posts may be used to replace wood posts in old fences and for various farm purposes such as anchoring corn cribs, windmills, etc.

Number of supports advised for field fence follows—

Acres	**640**	**320**	**160**	**80**	**40**	**20**	**10**	**5**	**4**	**3**	**2**	**1**
Corners	160	80	40	30	20	15	10	8	7	6	5	4
Line Posts	1706	1280	880	660	440	330	220	165	142	121	99	70

★FOR FACTORY SHIPMENT ONLY, CHICAGO FACTORY STOCK.

FENCE GATES AND GATE CLEATS.



Plain Top.

DOUBLE DRIVE.

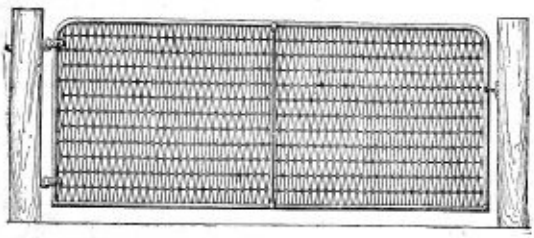
The very best grade of pipe steel is used in the frames. The web is securely attached to the frame on all sides, and at the same time the frame is left perfectly smooth on the outside. For walk gate, set posts 4 in. further apart than the width of gate. For single and double drive gates set posts 6 in. further apart than width of gate. For instance, if you buy a 3 ft. walk gate, posts should be set 3 ft. 4 in. apart—if a 12 ft. single or double drive gate, posts should be 12. 6 in. apart.

Double Drive, All Steel Frame and Wire, Pipe Steel.

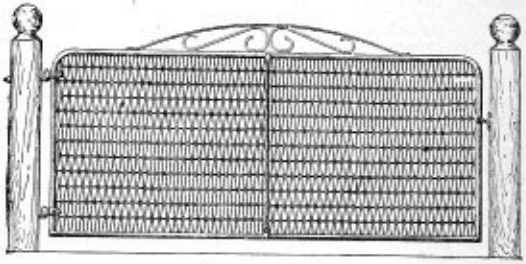
Height, in.	34	42	50	58	34	42	50	58
Width, ft.	10	10	10	10	12	12	12	12
W't, lbs.	65	71	77	85	72	78	86	94
Plain Top, each	$7.25★ DCE	7.75★ DFE	8.25★ DIE	8.80★ ECJ	7.70★ DFJ	8.25★ DIE	8.80★ ECJ	9.40★ EFJ
Ornamental Top, each	$8.75★ EBE	9.25★ EEE	9.75★ EHE	10.30★ JFBJ	9.30★ EFJ	9.75★ EHE	10.30★ JFBJ	10.90★ JFEE

Be sure to specify whether plain or ornamental tops are wanted.

SINGLE DRIVE GATES.



Plain Top.



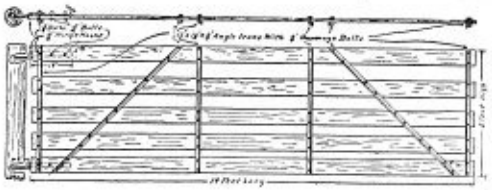
Ornamental Top.

Single Drive, All Steel Frame and Wire, Pipe Steel.

Hight, in.	34	42	50	58	34	42	50	58	34	42	50	58
Width, ft.	10	10	10	10	12	12	12	12	14	14	14	14
W't, lbs.	51	56	61	67	60	65	71	77	67	73	80	87
Plain Top, each	$5.15★ CAJ	5.50★ CCJ	5.85★ CEJ	6.25★ CGE	5.75★ CDE	6.10★ CFE	6.55★ CIJ	6.95★ DAE	6.25★ CGE	6.60★ CIE	7.05★ DBJ	7.50★ DEJ
Ornamental Top, each	$5.90★ CEE	6.25★ CGE	6.60★ CIE	7.00★ DBJ	6.50★ CIJ	6.85★ DAJ	7.30★ DDJ	7.70★ DFJ	7.00★ DBJ	7.35★ DDJ	7.80★ DGJ	8.25★ DIE

Covered only with fabric shown in cuts. Furnished with hinges and latches complete. Be sure to specify whether plain or ornamental tops are wanted.

WENZELMAN'S NEVER-SPLIT GATE CLEATS, BRACES AND HINGES.



Outfit Consists of 2 Steel Hinges with Straps 14x1¾x⅛ In., 6 Bolts for Same, 4 Angles, 4 ft. Long, 1¼x1¼ in., 2 Angle Braces, 5 ft. 8 in. Long, 60-⅛x¾ in. Carriage Bolts for Same, 2 Steel Hinge Hooks, ⅞ in. in Diameter, Over 7½ in. Long.

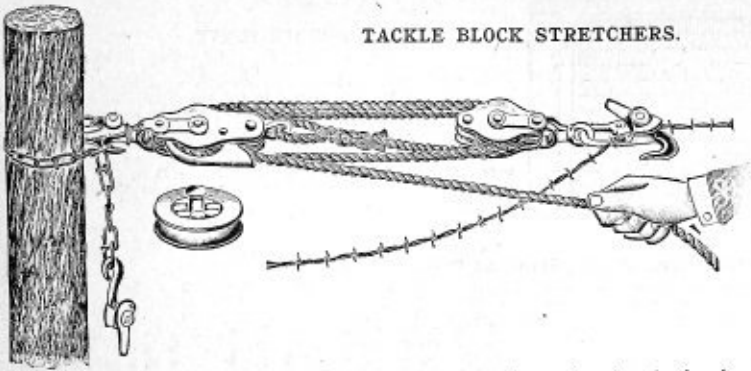
No. 1—For gates 4 ft. high, any length up to 20 ft., w't per set 38 lbs.★	per set	**AGE**	$3.00
No. 2—For gates 4½ ft. high, any length up to 20 ft., w't per set 41 lbs.★	per set	**AHE**	3.20
No. 3—For gates 5 ft. high, any length up to 20 ft., w't per set 44 lbs.★	per set	**BJJ**	3.50
No. 0—Without hinges or braces, for gates 4 ft. high, any length up to 20 ft., w't per set 18 lbs.★	per set	**JFE**	1.10
No. 00—Without hinges or braces, for gates 4½ ft. high, any length up to 20 ft., w't per set 20 lbs.★	per set	**JHE**	1.40
No. 000—Without hinges or braces, for gates 5 ft. high, any length up to 20 ft., w't per set 22 lbs.★	per set	**JIJ**	1.60

By the use of these cleats, braces and hinges a gate can be made that will always remain in correct shape, even if one puts two or three men on the end of it, as the 4 special steel upright angle cleats, held by 40 bolts, and the 2 special steel braces, bolted at an angle of 45 degrees, with 20 bolts, and enormous strength and solidity. Should a board be broken in gate, it is easily replaced, and no splitting of the other boards or cleats is required.

★*FOR FACTORY SHIPMENT ONLY, GALESBURG, ILL.*

WIRE STRETCHERS AND FENCE RATCHETS.

TACKLE BLOCK STRETCHERS.



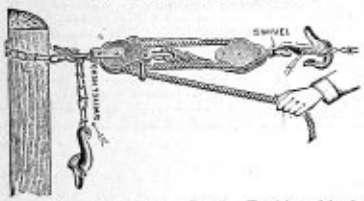
No. 37 REVERDOC—Steel blocks, malleable straps, removable steel axles, hardened steel roller bearings, capacity 600 lbs., painted red, best wire clamps ever made, for ⅜ in. rope, w't per doz. 60 lbs. .....per dozen **JIJJ** $15.00

No. 39 REVERDOC—Giant, for ½ in. rope, larger blocks and rope sheaves, for heavy work, capacity 1800 lbs., w't per doz. 123 lbs., otherwise same as No. 37 REVERDOC .....per dozen **AEJJ** $24.00

No. 40 REVERDOC—Plain bearings, painted green, capacity 600 lbs., otherwise same as No. 37 REVERDOC .....per dozen **ABBE** $14.00

LOOSE.

WIRE STRETCHERS.



No. 010—Ohio Steel Tackle block, painted red, chain fastening, w't per dozen 54 lbs., per dozen **JHDJ** $14.50

and direct acting. It locks in any position, and is absolutely positive.

The "swiveling" feature of the Stretcher is a decided improvement, enabling the operator to work in corners, etc., to better advantage. It also allows the stretcher to adjust itself to all conditions of the wire.

Can also be used as a Hoist without making any changes.

ONE DOZEN IN A BUNDLE.



No. 07—Giant, chain fastening, with lever, length 20 in., complete with two 5 ft. maple clamps and all bolts and washers necessary, w't per doz. 624 lbs. .....per dozen **EJDJ** $84.00

Especially adopted for woven fence and is equally useful for smooth or barbed wire. Is self-locking, but has no dogs nor ratchets.

ONE IN A CASE.

WIRE STRETCHERS.



No. 1—"O. S." Elwood's, with rod extension, flat steel bar double acting, chain fastening, length 30 in., w't per doz. 60 lbs. ...per dozen **JFFJ** $10.50

TWO AND THREE DOZEN IN A CASE.

Eccentrics, complete for No. 1 Elwood's, per dozen .....**AJJ** $2.00



No. 2—"N. S." Elwood's, flat steel bar with self-supporting device, extra strong eccentric, chain fastening, length 30 in., w't per doz. 54 lbs., per dozen .....**JEGJ** $10.00

TWO AND THREE DOZEN IN A CASE.

Eccentrics, complete for No. 2 Elwood's, per dozen .....**AJJ** $2.00

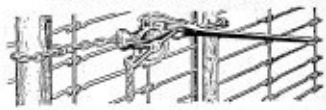
★*FOR FACTORY SHIPMENT ONLY.*

WIRE STRETCHERS.



No. 80 REVERDOC—Combination hoist and wire stretcher, made entirely of steel and malleable iron, 2½ in. iron sheaves, reeved with best quality ½ in. manila rope, rope lock automatic and absolutely positive, painted blue, capacity 1,000 lbs., w't per doz. 72 lbs., per dozen .....**ABBE** $20.40

COMBINATION HOIST AND FENCE STRETCHERS.



No. 9—Dillons, malleable iron and steel, with handle attached, 5 ft. hardwood clamp, 8½ ft. of ⅞ in. B. B. proof tested chain, w't per doz. 516 lbs., per dozen .....**EDJJ** $84.00

Has pulling capacity of 5,000 pounds, which enables it to pull up 80 rods of fence at one stretch.

Its value as a hoist is very evident.

LOOSE.

DILLON PARTS.



No. 3—Handle★	.....each	**JHE**	1.50
No. 4—Clevis with thread★	each	**CE**	.60
No. 5—Chain	.....each	**AFJ**	2.70
No. 6—Frame★	.....each	**AJJ**	1.70
No. 7—Clevis★	.....each	**CE**	.60
No. 8—Dog-right★	....each	**CE**	.60
No. 9—Dog-left★	....each	**CE**	.60
No. 11—Bolt★	.....each	**AJ**	.20
No. 12—Plow bolt★	....each	**CE**	.60
No. 13—Lower eye of frame,	each	**CE**	.60
No. 14—Wooden clamps, without bolts★	.....each	**AEJ**	3.00
Nos. 1, 2 and 10—2 ratchets and chain sprocket in one piece	.....	**AHJ**	$3.00

FENCE RATCHETS.



No. 10—Eureka, cast iron, gravity locking .....per hundred **JFFJ** $10.50

ONE HUNDRED IN A CASE. W'T 100 LBS. PER HUNDRED.

BARBED AND PLAIN WIRE AND STAPLES.

TWO POINT BARBED.



AMERICAN GLIDDEN, 2 Point, Round Barbs, No. 12 Wire Strands.
Painted Cattle, barbs 5 in. apart, per 100 pounds★.....$
Painted Hog, barbs 3 in. apart, per 100 pounds★.....$
Galvanized Cattle, barbs 5 in. apart, per 100 pounds.....
Galvanized Hog, barbs 3 in. apart, per 100 pounds.....
ON SPOOLS OF ABOUT 100 POUNDS.

Barbed Wire on 80 Rod Spools.
American Glidden, galvanized hog, barbs 3 in. apart.....per spool $
American Special galvanized hog, barbs about 3 in. apart, No. 14 wire strands, per spool .....



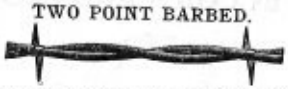
ELLWOOD GLIDDEN, 2 Point, Round Barbs, No. 12½ Wire Strands.
Painted Cattle, barbs 5 in. apart, per 100 pounds★.....$
Painted Hog, barbs 3 in. apart, per 100 pounds★.....
Galvanized Cattle, barbs 5 in. apart, per 100 pounds.....$.....
Galvanized Hog, barbs 3 in. apart, per 100 pounds.....
ON SPOOLS OF ABOUT 100 POUNDS.

FOUR POINT BARBED.



LYMAN, 4 Point, Round Barbs, No. 12 Wire Strands.
Painted Cattle, barbs 6 in. apart, per 100 pounds★.....$
Painted Hog, barbs 4 in. apart, per 100 pounds★.....
Galvanized Cattle, barbs 6 in. apart, per 100 pounds.....
Galvanized Hog, barbs 4 in. apart, per 100 pounds.....
ON SPOOLS OF ABOUT 100 POUNDS.

TWO POINT BARBED.



BAKER, 2 Point, Flat Barbs, No. 12½ Wire Strands.
Painted Cattle, barbs 5 in. apart, per 100 pounds★.....$
Painted Hog, barbs 3 in. apart, per 100 pounds★.....
Galvanized Cattle, barbs 5 in. apart, per 100 pounds★.....
Galvanized Hog, barbs 3 in. apart, per 100 pounds★.....
ON SPOOLS OF ABOUT 100 POUNDS.



ELLWOOD JUNIOR, 2 Point, Half Round Barbs, No. 12½ Wire Strands.
Painted Cattle, barbs 5 in. apart, per 100 pounds★.....$
Painted Hog, barbs 3 in. apart, per 100 pounds★.....
Galvanized Cattle, barbs 5 in. apart, per 100 pounds★.....
Galvanized Hog, barbs 3 in. apart, per 100 pounds★.....
ON SPOOLS OF ABOUT 100 POUNDS.

CABLE FENCE.



Twisted, Not Barbed, No. 12 Wire Strands.
Painted, 2 strand★.per 100 pounds $
Galvanized, 2 strand.per 100 pounds
ON SPOOLS OF ABOUT 100 POUNDS.

TABLE OF APPROXIMATE WEIGHTS OF BARBED WIRE.

	Feet per Pound.		Pounds per Mile.	
Nos.	12	12½	12	12½
Two point cattle....	16	17½	320	303
Two point hog.....	15	17	345	310
Four point cattle...	13¾		380	
Four point hog.....	12½		425	

The above weights are only approximate, as it is not practical to draw wire to even gauge, nor do the manufacturers guarantee this.

ANNEALED PLAIN FENCE.



Nos.	8	9	10	11	12
Per lb...	$0.10	.10	.11	.11½	.11½

Nos.	13	14	15	16
Per lb.	$0.12½	.12½	.14	.14

100 POUNDS IN A COIL.

GALVANIZED PLAIN FENCE.

Nos.	6	8	9	10
Per pound...	$0.10	.10	.10	.11

Nos.	11	12	13
Per pound	$0.11	.11½	.12½

Nos.	14	15	16
Per pound	$0.12½	.14	.14

ABOUT 100 POUNDS IN A COIL.

FENCE STAPLES.



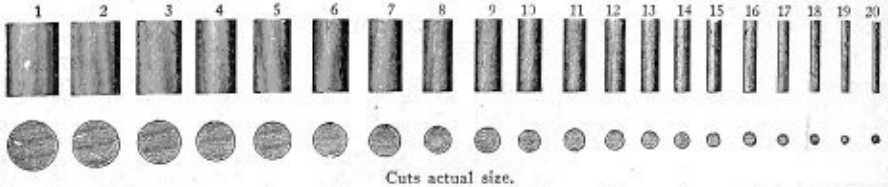
1½ Inch.

	Per Pound.	Per Keg.
No. 9—Bright, ⅞, 1, 1⅛, 1¼, 1½, 1¾ and 2 in.....	$0.05	$4.25
No. 9—Galvanized, 1, 1⅛, 1¼, 1½, 1¾ and 2 in.....	.06	5.00

100 POUNDS IN A KEG.

Inches	1	1⅛	1¼	1½	1¾	2
No. of staples to pound ...	108	96	87	72	65	58

TABLE INDICATING SIZE, WEIGHT AND LENGTH OF WIRE.



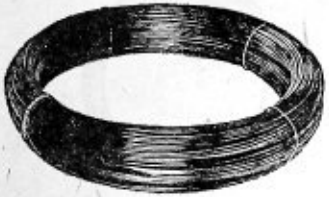
Cuts actual size.

Gauge Nos.	1	2	3	4	5	6	7	8	9	10
Diameter, inches	.283	.263	.244	.225	.207	.192	.177	.162	.148	.135
Feet in 10. lbs.	471	545	634	747	881	1028	1245	1437	1724	2070
Weight of 100 feet, lbs.	21.23	18.34	15.78	13.39	11.35	9.73	8.03	6.96	5.08	4.83
Weight of 1 mile, lbs.	1121	968	833	707	599	514	439	367	306	255
Gauge Nos.	11	12	13	14	15	16	17	18	19	20
Diameter, inches	.120	.105	.092	.080	.072	.063	.054	.047	.041	.035
Feet in 100 lbs.	2318	3425	4464	5917	7299	9524	12982	17242	22222	31450
Weight of 100 feet, lbs.	3.82	2.92	2.24	1.69	1.37	1.05	.77	.58	.45	.32
Weight of 1 mile, lbs.	202	154	118	89	72	55	41	31	24	17

★*FOR MILL SHIPMENT ONLY.*

WIRE IN COILS AND SPOOLS.

TELEPHONE AND TELEGRAPH.



Double Galvanized.

Nos.	6★	8★	9★	10★
W't per mile, lbs.	590	390	314	258
"Steel," per 100 pounds.	$			
"B. B.," per 100 pounds.				
"E.B.B.," per 100 pounds.				
Nos.	**11★**	**12★**	**14★**	
W't per mile, lbs.	206	170	99	
"Steel," per 100 lbs.,				
"B. B.," per 100 lbs.,				
"E. B. B.," 100 lbs.				

No. 12 B. B.—½ mile coils in stock,

Items marked ★ factory shipment only. Other sizes and kinds from factory only.

"Steel" (or homogeneous metal) is more expressly designed for short-line telephone service, where a measure of conductivity can be exchanged for tensile strength in a light wire.

"B. B." (Best Best) wire is less uniform and tough than "E. B. B." It stands a good mechanical test. It is largely used by some telegraph companies and in railway telegraph service.

"E. B. B." (Extra Best Best) wire is made by improved continuous process from the very best iron. It stands highest of any telegraph wire in conductivity. Very uniform in quality, pure, tough and pliable.

NO. 6, ONE-THIRD MILE; BALANCE, ONE-HALF MILE IN A COIL. WE CANNOT SUPPLY SMALLER QUANTITIES.

COPPERED MARKET.

Nos.	5	6	7	8	9
Per lb.	$0.10	.10	.10	.10	.10
Nos.	**10**	**11**	**12**	**13**	**14**
Per lb.	$0.11	.11	.11½	.12½	.12½
Nos.		**15**	**16**	**17**	**18**
Per pound		$0.14	.14	.15	.16

TINNED MARKET.

Nos.	10	11	12	14	16
Per lb.	$0.16	.16	.17	.17	.17

ABOUT ONE HUNDRED POUNDS IN A COIL.

ANNEALED STEEL.

In Stones.

Nos.	16	17	18	19	20	22
Per pound	$0.14	.15	.16	.19	.20	.22

TWELVE POUNDS OR 1 STONE IN A BUNDLE.

TINNED BROOM.

In Stones.

Nos.	20	22
Per pound	$0.19	.20

TWELVE POUNDS OR 1 STONE IN A BUNDLE.



SPRING BRASS, IN COILS.

No.—B. & S. Ga.	6	8	10
Decimal Gauge, in.	.162	.128	.102
Feet per lb.	13¾	21	33½
Per lb.	$0.50	.50	.51
No.—B. & S. Ga.	**12**	**14**	**16**
Decimal Gauge, in.	.081	.064	.051
Feet per lb.	53	84½	134½
Per lb.	$0.51	.52	.52

PACKED IN COILS, LOOSE.

No.—B. & S. Ga.	16	18	20
Decimal Gauge, in.	.051	.040	.032
Feet per lb.	134½	214	340
In 1 lb. coils, per dozen coils	$7.50	7.50	7.50
No. B. & S. Ga.			22
Decimal Gauge, in.			.025
Feet per lb.			540
In 1 lb. coils, per doz. coils			$8.20

ONE DOZEN COILS IN A BOX.

SOFT COPPER, IN COILS.

No.—B. & S. Ga.	8	10	12
Decimal Gauge, in.	.128	.102	.081
Feet per lb.	20	32	50½
Per lb.	$0.50	.51	.51
No.—B. & S. Ga.	**14**	**16**	**18**
Decimal Gauge, in.	.064	.051	.040
Feet per lb.	80½	127	203
Per lb.	$0.52	.52	.53

PACKED IN COILS, LOOSE.

No.—B. & S. Ga.	16	18	20
Decimal Gauge, in.	.051	.040	.032
Feet per lb.	127	203	323
In 1 lb. coils, per dozen coils	$7.50	7.50	7.50
No. B. & S. Ga.			22
Decimal Gauge, in.			.025
Feet per lb.			540
In 1 lb. coils, per doz. coils			$8.20

ONE DOZEN COILS IN A BOX.

ANNEALED STEEL HANDY COILS.

In 50 Foot Coils.

No. 19 REVONOC—Rust proof, w't per doz. coils 2¼ lbs. ..... per dozen **CE** $0.75

For hanging stove pipe and general repair work.

ONE DOZEN COILS IN A BOX; FIFTY BOXES IN A CASE.

SPOOL WIRE ASSORTMENTS.



No. 48 REVONOC—Containing 48 spools of wire as follows, put up in a wood box, with hinged cover, w't per box, 3½ lbs. ..... per dox **AAJ** $2.00

12 spools black hair wire 28 gauge.
12 spools black hair wire 30, 32, gauge.
2 each 1 oz. soft brass wire, 20, 22, 24 gauge.
2 each 1 oz. soft copper wire, 20, 22, 24 gauge.

SPOOL WIRE ASSORTMENT.



No. 100 REVONOC—Containing 147 spools of wire as follows, put up in a box with hinged cover, w't per box 15½ lbs., per box ..... **CFJ** $6.00

12 spools black hair wire, 28, 30, 32, 34.
12 spools tinned hair wire, 28, 30, 32.
3 each ¼ lb. spools black annealed steel wire, 18, 20, 22, 24, 26.
3 each ¼ lb. tinned annealed steel wire, 18, 20, 22, 24.
6 each 1 oz spools soft brass wire, 20, 22, 24.
6 each 1 oz. spools soft copper wire, 20, 22, 24.

ANNEALED STEEL, BLACK.



¼ lb. Spools, Gross Weight.

Nos.	18	20	22	24	26
Per doz.	$0.96	1.02	1.10	1.14	1.20
	DE	**JDH**	**JEB**	**JEE**	**JEH**

ONE DOZEN SPOOLS IN A BOX.

ANNEALED STEEL, TINNED.

¼ lb. Spools, Gross Weight.

Nos.	18	20	22	24	26
Per doz.	$1.20	1.25	1.32	1.40	1.50
	JEG	**JFJ**	**JFC**	**JFG**	**JGJ**

ONE DOZEN SPOOLS IN A BOX.

BLACK HAIR.

About ⅖ oz. Spools, Gross Weight.

Nos.	28	30	32	34	36
Per doz.	$0.29	.31	.33	.36	.44
	AD	**AD**	**AI**	**AH**	**BB**

ONE DOZEN SPOOLS IN A BOX.

TINNED HAIR.

About ⅖ oz. Spools, Gross Weight.

Nos.	28	30	32	34	36
Per doz.	$0 36	.38	.40	.42	.50
	AH	**AH**	**AI**	**BB**	**BD**

ONE DOZEN SPOOLS IN A BOX.

SOFT COPPER.

¼ lb. Spools, Gross Weight.

Nos.	18	20	22	24
Per dozen	$2.20	2.20	2.40	2.60
	AFJ	**AFJ**	**AGE**	**AHE**

ONE DOZEN SPOOLS IN A BOX.

1 oz. Spools, Gross Weight.

Nos.	18	20	22	24
Per dozen	$1.00	1.00	1.00	1.00
	JGJ	**JGJ**	**JGJ**	**JGJ**
Nos.		**26**	**28**	**30**
Per dozen		$1.00	1.00	1.00
		JGJ	**JGJ**	**JGJ**

ONE DOZEN SPOOLS IN A BOX.

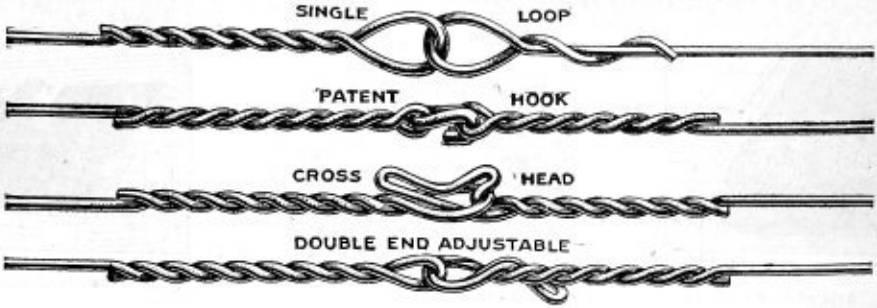
SPRING BRASS.

¼ lb. Spools, Gross Weight.

Nos.	18	20	22	24
Per dozen	$2.20	2.20	2.40	2.60
	AFJ	**AFJ**	**AGE**	**AHE**

ONE DOZEN SPOOLS IN A BOX.

BALE TIES.



List Adopted Jan., 1907.

Length in. Feet	No. 16 Wire★ W't per Bundle Pounds	No. 16 Wire★ Per Bundle 250 Ties	No. 15 Wire★ W't per Bundle Pounds	No. 15 Wire★ Per Bundle 250 Ties	No. 14 Wire★ W't per Bundle Pounds	No. 14 Wire★ Per Bundle 250 Ties	No. 13 Wire★ W't per Bundle Pounds	No. 13 Wire★ Per Bundle 250 Ties	No. 12 Wire★ W't per Bundle Pounds	No. 12 Wire★ Per Bundle 250 Ties
5½	15	$2.82	20	$3.44	25	$3.94	33	$4.82	44	$5.92
5¾	16	2.91	21	3.56	26	4.10	34	5.00	46	6.16
6	17	3.01	22	3.69	27	4.23	36	5.18	48	6.38
6¼	17	3.10	23	3.82	28	4.38	37	5.36	49	6.61
6½	18	3.21	24	3.93	29	4.53	39	5.54	51	6.83
6¾	18	3.30	25	4.06	30	4.67	40	5.72	53	7.06
7	19	3.41	25	4.19	31	4.82	41	5.90	55	7.29
7¼	20	3.50	26	4.31	32	4.97	43	6.09	57	7.51
7½	20	3.60	27	4.44	33	5.10	44	6.27	59	7.74
7¾	21	3.71	28	4.56	35	5.26	46	6.45	61	7.97
8	22	3.81	29	4.68	36	5.40	47	6.63	62	8.20
8¼	22	3.92	30	4.81	37	5.54	48	6.81	64	8.42
8½	23	4.01	31	4.92	38	5.69	50	6.99	66	8.65
8¾	24	4.11	31	5.05	39	5.84	51	7.17	68	8.87
9	24	4.20	32	5.18	40	5.97	53	7.35	70	9.10
9¼	25	4.31	33	5.29	41	6.13	54	7.54	72	9.33
9½	26	4.40	34	5.42	42	6.28	55	7.72	74	9.56
9¾	26	4.50	35	5.55	43	6.41	57	7.90	76	9.79
10	27	4.59	36	5.67	44	6.56	58	8.08	77	10.01
10¼	28	4.69	37	5.79	45	6.71	60	8.26	79	10.24
10½	28	4.78	38	5.92	46	6.85	61	8.42	81	10.46
10¾	29	4.90	38	6.03	47	7.00	62	8.60	83	10.69
11	30	4.98	39	6.17	48	7.15	64	8.79	85	10.92
11¼	30	5.09	40	6.28	49	7.28	65	8.97	87	11.15
11½	31	5.18	41	6.41	51	7.43	67	9.15	89	11.38
11¾	32	5.28	42	6.54	52	7.58	68	9.33	90	11.60
12	32	5.38	43	6.65	53	7.72	69	9.51	92	11.83

STOCK SIZES SINGLE LOOP BALE TIES, F. O. B. CHICAGO.

No. 15 Wire—Length, ft.	8½	9
W't per bundle, lbs.	31	32
Per bundle, 250 ties	$4.92	5.18
No. 14 Wire—Length, ft.	8½	9
W't per bundle, lbs.	38	40
Per bundle, 250 ties	$5.69	5.97

No. 16 Wire—Size 8 ft., w't per bundle 22 lbs. ..... per bundle $3.81

We give above the average weight of single loop bale ties as furnished by the factory. These weights are not guaranteed, as it is impossible to draw wire so close to gauge that every bundle will weigh exactly alike.

Cross head bale ties are heavier than single loop, varying from 2½ to 5 pounds more than the weight given above, according to length and gauge.

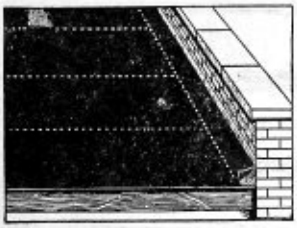
Bale ties of every kind of fastening are sold from the same list. Single loop bale ties are sold at a greater discount than other patterns.

To ascertain the length of tie required, add 3 in. to the measure around the bale when under pressure.

Cost of bale ties is from 40 to 50 cents per ton of hay. For 17x22 perpetual presses, use ties 8, 8½ or 9 feet long; No. 14 wire for heavy work. No. 15 for light work. For 14x18 perpetual presses, use ties 8, 8½ or 8½ feet long; No. 14 wire wire for extra or extremely heavy work, and No. 15 for heavy or medium work ,and No. 16 for light work. For 12x15 perpetual presses, use ties 7½, 7¾ or 8 feet long; No. 15 wire for heavy work, and No. 16 for medium or light work. For upright hand presses, use No. 14 or No. 15 wire. For upright light horse presses, use No. 14 wire. For upright heavy portable or light stationary horse presses, use No. 13 wire. For upright heavy stationary and beater presses, use No. 12, No. 11 and No. 10 wire, according to the size of bale and number of ties used. It has been repeatedly proved that the use of these ties is more economical to the pressman than th use of wire from the coil. Only the best material is used in their manufacture, and all ties are carefully tested before leaving the factory, thus securing reliability and uniformity.

★*FOR MILL SHIPMENT.*

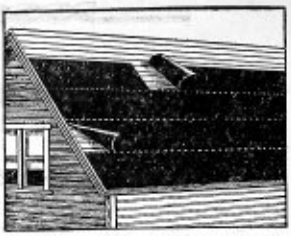
PREPARED ROOFING AND WALL BOARD.



Applied to Flat Roof.

REVONOC CERTAINTEED.





Applied to Gabled Roof.

No. 11 REVONOC—1 ply, smooth surface, w't per roll about 35 lbs., width 32 in. .....per roll of 108 sq. ft. **AAE** $2.25
No. 12 REVONOC—2 ply, smooth surface, w't per roll about 45 lbs., width 32 in. .....per roll of 108 sq. ft. **ADE** 3.25
No. 13 REVONOC—3 ply, smooth surface, w't per roll about 55 lbs., width 32 in. .....per roll of 108 sq. ft. **AGE** 4.00
One roll, which contains 108 sq. ft., will cover 100 sq. ft. of roof.

NOTE—Can be furnished sand surfaced from factory.

REVONOC *Rubber Roofing is suitable for all kinds of roofs under any conditions and in any climate. It is impervious to water and is pliable and elastic. It has as a base the best fiber felt thoroughly saturated and coated on both sides with a composition of the highest grade materials selected for preservative and weather resisting qualities. It is odorless and will not taint the rain water where used for domestic purposes. Contains no volatile oils or tar to melt in the heat and crack in the cold. Each roll contains one square complete with nails and cement, with directions for applying.*

GUARD.

Guard—1 ply, w't per roll 35 lbs. .....per roll **JGB** $1.20
Guard—2 ply, w't per roll 45 lbs. .....per roll **JIE** 1.60
Guard—3 ply, w't per roll 55 lbs. .....per roll **ABJ** 2.00

SENTINEL.

Sentinel—1 ply, w't per roll 35 lbs.....per roll **JGB** $1.75
Sentinel—2 ply, w't per roll 45 lbs. .....per roll **JIE** 2.75
Sentinel—3 ply, w't per roll 55 lbs. .....per roll **ABJ** 3.50

Roll 32 in. wide, 108 sq. ft. Guard Roofing is made to meet the demand for a moderate priced roofing, for use where a better grade of roofing is not required.

This is made of a cheaper and lighter felt than is used in REVONOC *and does not carry a guarantee. This roofing is sanded one side and smooth surfaced on the other side.*

MAJOR STANDARD GRADE.

No. 212—2 ply, sanded, w't per roll 65 lbs. .....per roll **ACJ** $3.00
No. 213—3 ply, sanded, w't per roll 75 lbs. .....per roll **AFJ** 3.75

Roll contains 108 sq. ft., enough to cover 100 sq. ft. with a 2 in lap. Major roofing is strong and durable, a cheaper grade than our REVONOC, *but equal to any other first-class roofing.*

CRUSO ROOFING.



No. 22—2 ply felt, w't per square about 45 lbs., per roll of 108 sq. ft. .....**JIJ** $1.60

Two-ply consists of two sheets of the best quality of tarred felt, with a layer of waterproof composition interlaid.

No. 23—3 ply felt, w't per square about 70 lbs., per roll of 108 sq .ft. .....**AAE** $2.10

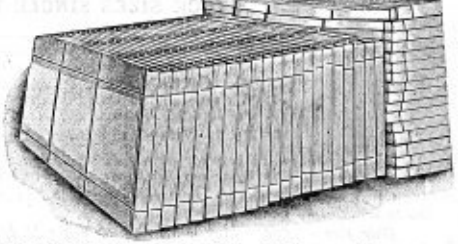
Three-ply consists of three large sheets of the best quality of tarred felt, with two layers of waterproof composition interlaid.

Cruso roofing requires coating and this is a part that should not be neglected. This is a low priced roofing and not guaranteed.

It requires 1½ lbs. tin caps and 1 lb. roofing nails per square. We recommend the use of 2 gal coating per square. The better the roof is coated the longer it will last.

ABOVE PRICES ARE FOR FELT ONLY.

CERTAIN-TEED WALL BOARD.



Standard Thickness, Made of Wood Fibre, a Clean, Durable and Sanitary Covering for Walls or Ceilings.
No. 11—Widths 32 and 48 in., lengths 6, 7, 8, 9, 10, 12, 14 and 16 ft., w't per 1000 sq. ft 500 lbs. ....per 1000 ft. **BEHJ** $35.00
Made of the best materials. Made by cementing together four sheets of clean wood fibre material carefully designed to secure the greatest possible strength and to resist moisture and dampness. If calsomined, varnished or painted it will take a most satisfactory finish, pleasing to the eye and easily cleaned.
Ten sheets in a package, each sheet protected by container board covering which is held in place by steel bands.

ROOFING FELT, WRAPPING PAPER, MILL BOARD, ETC.

REVONOC SHEATHING PAPER.



REVONOC, tarred, 36 in. wide, 500 sq. ft. to a roll, w't per roll 30 lbs., per roll .....JGE $1.00

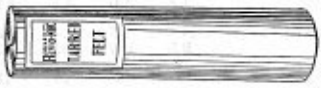
Fibretto Sheathing, 36 in. wide, 400 sq. ft. in a roll, w't 16 lbs., per roll .....JFJ $1.00

REVONOC, 30 lb., red rosin sized sheathing, 36 in. wide, in rolls of 500 sq. ft., w't 30 lbs. .....per roll JEB $1.20

REVONOC, 25 lb., red rosin sized sheathing paper, 36 in. wide, 500 sq. ft., w't 25 lbs. .....per roll JDB $1.00

REVONOC, 20 lb., red rosin sized sheathing, 36 in. wide, in rolls of 500 sq. ft., w't 20 lbs. .....per roll CD $0.80

ROOFING FELT.



No. 1 REVONOC—Tarred, 32 in. wide, w't 25 lbs. per 100 sq. ft., 50 to 60 lbs. to roll and about 225 sq. ft. per roll, per hundred lbs. .....AHE $3.60

No. 2 REVONOC—W't about 16 lbs. per 100 sq. ft. and 325 sq. ft. to roll, otherwise same as No. 1 **REVONOC**. per hundred pounds .....AHE $3.60

Slater's Felt, REVONOC, 30 lbs., 500 sq. ft., 36 in. wide.....per roll JGE $1.10

No. ¾ REVONOC—Deadening Felt, 40 lbs., 36 in. wide, 50 lineal yds. to a roll, per roll .....ABJ $1.60

No. 1 REVONOC—Deadening Felt, 50 lbs., 36 in. wide, 50 lineal yds. to a roll, per roll .....AEJ $2.00

No. 1½ REVONOC—Deadening Felt, 75 lbs., 36 in. wide, 50 lineal yds. to a roll, per roll .....BCJ $3.00

Stringed Felt, REVONOC, 22 lbs., 250 sq. ft., 36 in. wide .....per roll EE $0.70

Stringed Felt, REVONOC, 44 lbs., 500 sq. ft., 36 in. wide .....per roll AJE $1.36

PLASTER BOARD.

No. 250—Blue Plaster Board, 250 sq. ft., 30 lbs., 36 in. wide, per roll JFE $1.00

No. 500—Blue Plaster Board, 500 sq. ft., 60 lbs., 36 in. wide, per roll ACJ $2.00

STORM PROOF PAPER.

Hib-Spe-Bar—For converting screen doors into storm doors by covering same with one or two layers of paper, also used extensively for sheathing purposes when a good quality of paper is desired. It has a shiny, black durable coating, comes in rolls 36 in. wide, 500 sq. ft., w't per roll 42 lbs., per roll .....BJJ $4.00

It is ornamental as well as serviceable.

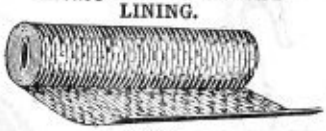
ROOFING DISCS.



Tin, diameter 1⅞ in., per hundred pounds .....JDEJ $10.00

25 AND 50 LB. SACKS.

REVONOC CEDAR CARPET LINING.



REVONOC

Corrugated, 36 in. wide, yard marked, 50 yds. in a roll, w't per roll about 32 lbs. .....per roll JFJ $1.30

WRAPPING PAPER.



In Rolls.

No. 200—Drab fibre express, heavy, 12, 15, 18, 20, 24, 30 in., per hundred pounds .....EBJ $8.00

No. 40—Pink fibre express, light, 12, 15, 18, 20, 24 in., per 100 lbs. FBJ $9.50

No. 30—Spartan Kraft, 12, 15, 18, 20, 24, 30 in., per 100 pounds JFJJ $11.00

No. 50—Spartan Kraft, 12, 15, 18, 20, 24, 30 in., per 100 pounds JFJJ $12.00

Hereafter we will have but one price on Wrapping Paper printed with our customer's name in connection with our **REVONOC** *or other special brands.*

We cannot accept orders for less than six rolls when it is to be printed, as that is the minimum number of rolls for which the printers will make charge.

SHOT BAGS.



Nos.	30	40	50
Size, in.	6x2½	6¼x3	8x3¾
Capacity, lbs.,	1	2	3
W't per 1,000, lbs.	7¾	9¼	13¼
Per 1,000	$2.25	2.50	3.00
	AAJ	AEJ	BJJ

ONE HUNDRED IN A BUNDLE.

NAIL BAGS.



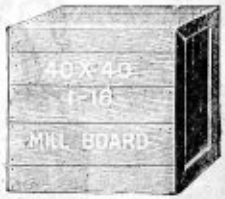
Extra Quality Express Paper.

Nos.	3	5	10
Size, in.	4x7¼	4¼x8	6¼x10
Capacity, lbs.,	4	5½	10
W't per 1,000, lbs.	15½	20	32
Per 1,000	$1.00	3.50	5.00
	BCJ	BGJ	CFJ
Nos.	16	20	25
Size, in.	8x11	8x12¼	8x13¼
Capacity, lbs.,	16	19	25
W't per 1,000, lbs.	53	67	69
Per 1,000	$6.50	7.50	9.00
	EDJ	FCJ	FIJ

The capacity given is obtained by filling with 10d wire nails, allowing ample flap to close the top.

ONE HUNDRED IN A BUNDLE.

ASBESTOS MILL BOARD.



1-16 in., 40x40 in. sheets, per hundred pounds .....DHJ $8.00

3-32 in., 40x40 in. sheets, per hundred pounds .....DHJ $8.00

1-8 in., 40x40 in. sheets, per hundred pounds .....DHJ $8.00

3-16 in., 40x40 in. sheets, per hundred pounds .....DHJ $8.00

1-4 in., 40x40 in. sheets, per hundred pounds .....DHJ $8.00

Assorted Crates, 40x40 in., consisting of three 3-32 in., five ¼ in., two ⅛ in., two ½ in. sheets, w't 100 lbs., per hundred pounds .....DHJ $8.00

In sheets less than 100 lbs., add 25c for crating.

FOUR HUNDRED POUNDS IN A CASE.

ASBESTOS PAPER.



36 in., rolls, 10, 14, 16 or 30 lbs. per 100 sq. ft. .....per 100 pounds CJJ $7.00

30 lb. is ⅛ *in.*

3-32 and ⅛ *take mill board price.*

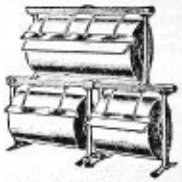
ABOUT ONE HUNDRED POUNDS IN A ROLL.

ASBESTOS WICK.



Wick, ⅛, ½ or 1 lb. balls, per pound .....BD $0.50

ROLL PAPER CUTTERS.



Chicago, Can be Used Separately or Combined.

No. 1—Inches.	12	15	18
W't, lbs.	5	6	7
Each	$2.50	2.50	2.50
	JIJ	JIJ	JIJ
No. 1—Inches.	20	24	30
W't, lbs.	7	7½	7½
Each	$2.50	2.50	2.50
	JIJ	JIJ	JIJ

WOOD TACKLE BLOCKS.



Single.



Double.



Triple.

Single, Iron Strapped, Gray Iron Sheaves, Steel Pin, Furnished with Becket.

Size, inches	3	4	5	6
Sheave, inches	1¼	2¼	3	3½
Mortise, inches	⅞	1⅛	1⅜	1
For rope, inches	⅜	½	⅝	¾
W't, lbs.	¾	1¼	2¼	4
No. 7—Iron Bushed, each	$0.70 AI	.85 BC	.90 BD	1.10 JCJ
No. 7-R—Roller Bushed, each	$1.20 JCB	1.25 JCD	1.50 JDA	

Size, inches	7	8	10	12
Sheave, inches	4½	4¾	6¼	8
Mortise, inches	1⅛	1¼	1⅜	1½
For rope, inches	⅞	1	1⅛	1¼
W't, lbs.	6	8	14	23
No. 7—Iron Bushed, each	$1.30 JCG	1.65 JDD	2.75 JGD	4.45 ABJ
No. 7-R—Roller Bushed, each	$1.70 JDF	2.25 JFA		

Double, Iron Strapped, Gray Iron Sheaves, Steel Pin, One-half Furnished with Becket.

Size, inches	3	4	5	6
Sheave, inches	1¼	2¼	3	3½
Mortise inches	⅞	1¼	1⅜	1
For rope inches	⅜	½	⅝	¾
W't, lbs.	1¼	2	4	6
No. 8—Iron Bushed, each	$1.30 JCE	1.60 JDC	1.75 JDG	2.00 JEE
No. 8-R—Roller Bushed, each	$2.25 JFJ	2.35 JFE	2.85 JGE	

Size, inches	7	8	10	12
Sheave, inches	4½	4¾	6¼	8
Mortise, inches	1⅛	1¼	1⅜	1½
For rope, inches	⅞	1	1⅛	1¼
W't, lbs.	10	13	22	37
No. 8—Iron Bushed, each	$2.40 JFE	2.85 JGE	4.50 ABJ	7.50 BJE
No. 8-R—Roller Bushed, each	$3.35 JIJ	4.15 AAE		

Triple, Iron Strapped, Gray Iron Sheaves, Steel Pin, One-third Furnished with Becket.

Size, inches	4	5	6	7	8
Sheave, inches	2¼	3	3½	4¼	4¾
Mortise, inches	⅝	¾	1	1⅛	1¼
For rope, inches	½	⅝	¾	⅞	1
W't, lbs.	3	5	9	13½	18
No. 9—Iron Bushed, each	$2.15 JFJ	2.25 JFJ	2.90 JHJ	3.50 JIE	4.25 AAE

EXTRA SHEAVES.

For Common Wood or Steel Tackle Blocks.



Plain Iron Bushed.



Roller Bushed.

For Block, inches	3	4	5	6
Size of sheave, inches	1¼x⅜	2¼x⅜	3x¾	3½x1
W't, lb.	⅛	¼	½	¾
No. P—Iron Bushed, each	$0.09 JF	.12 JG	.20 AB	.25 AF
No. RP—Roller Bushed, each	$0.40 BD	.45 BH	.55 CD	.65 DJ

For Block, inches	7	8	10	12
Size of sheave, inches	4¾x1	4¾x1⅛	6¼x1¼	8x1⅜
W't, lbs.	1	2	3	5
No. P—Iron Bushed, each	$0.30 AH	.35 BB	.55 CD	.90 EE
No. RP—Roller Bushed, each	$0.75 DF	1.00 JFJ	1.35 JHJ	1.90 AAE

To avoid mistakes, please order as follows: "One only No. P Iron Bushed sheave for 7 in. wood block," etc.

EXPLAINING THE USE OF BECKETS ON TACKLE BLOCKS.

When a single tackle block is used alone, no becket is needed.

When a single tackle block is used with a single, one becket is needed.

When a single tackle block is used with a double, a becket on the single is needed.

When a double tackle block is used with a double, one becket is needed.

When a double tackle block is used with a triple, a becket on the double is needed.

We ship all single blocks, one-half of the double and one-third of the triple with beckets, which are more than can possibly be used. If a greater proportion are ordered with beckets, we charge the following net extras—

For 5 in. and smaller blocks	extra, each	AJ	$0.20
For 6 in. blocks	extra, each	AJ	.20
For 7 in. blocks	extra, each	AJ	.20
For 8 in. blocks	extra, each	AJ	.20
For 10 in. blocks	extra, each	AE	.30
For 12 in. blocks	extra, each	AE	.30

TACKLE AND SNATCH BLOCKS.

LIGHT STEEL TACKLE BLOCKS.



Single, all Furnished with Becket.

Single, Steel Straps, Pins and Rivets, Gray Iron Sheaves and Steel Shell.

No. 364—Size, in. ..	3	4	5	6
Sheave, in.	1¾	2¼	3	3½
Mortise, in.	½	11/16	¾	1
For rope, in.	⅜	½	⅝	¾
W't, lbs.	1	1½	2½	4
Each	$0.70	.85	.90	1.10
	BJ	BC	JBE	JCA

No. 364—Size, in. ..	7	8	10	12
Sheave, in.	4¼	4¾	6¼	8
Mortise, in.	1	1⅛	1¼	1½
For rope, in.	⅞	1	1⅛	1½
W't, lbs.	6½	9	20	30
Each	$1.30	1.65	3.10	5.00
	JCF	JEJ	JHE	ACE

Double Steel Strap, Pins and Rivets, Gray Iron Sheaves and Steel Shell.

No. 365—Size, in. ..	3	4	5	6
Sheave, in.	1¾	2¼	3	3½
Mortise, in.	½	¾	00	1
For rope, in.	⅜	½	⅝	¾
W't, lbs.	2	2½	00	5
Each	$1.30	1.60	1.75	2.00
	JCF	JDD	JDH	JEE

No. 365—Size, in.	7	8	10
Sheave, in.	4¼	4¾	6¼
Mortise, in.	00	1⅛	1½
For rope, in.	⅞	1	1¼
W't, lbs.	00	14	32
Each	$2.40	2.85	4.50
	JFB	JHJ	ABE



Double, One-half Furnished with Becket.



Triple, One-third Furnished with Becket.

Triple, Steel Straps, Pins and Rivets, Gray Iron Sheaves and Steel Shell.

No. 366—Size, in.	4	5	6
Sheave, in.	2¼	3	3½
Mortise, in.	11/16	00	1
For rope, in.	½	⅝	¾
W't, lbs.	00	00	00
Each	$2.15	2.25	2.90
	JFJ	JFB	JHJ

No. 366—Size, in.	8	10
Sheave, in.	4¾	8
Mortise, in.	1⅛	1½
For rope, in.	1	1¼
W't, lbs.	18	43
Each	$4.25	7.00
	AAE	AGJ

SNATCH BLOCKS.



No. 315—Wood Shell, Iron Strapped, Gray Iron Sheave, Steel Hook, Loop and Pin.

Size, in.	6	8	10	12
Sheave, in.	3	4½	5¼	6¼
Mortise, in.	1⅛	1⅛	1⅜	2⅛
For rope, in.	⅜	1	1¼	1½
W't, lbs.	6	12	21	31
Each	$4.00	5.75	8.50	10.00
	ADE	BJE	CJE	CFJ



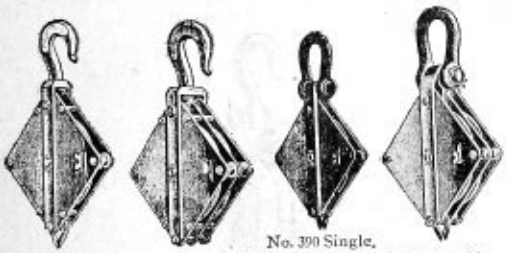
No. 320—Steel Shell, Gray Iron Sheave, Steel Hook, Loop and Pin.

Size, in.	6	8	10	12
Sheave, in.	3	4½	5¼	6¼
Mortise, in.	1⅛	1⅛	1⅜	2⅛
For rope, in.	⅜	1	1¼	1½
W't, lbs.	6½	13½	26½	34
Each	$5.00	7.00	9.00	11.50
	AHJ	BEJ	CBE	JDAE

WIRE ROPE BLOCKS, HOISTS AND SHEAVES.

WROUGHT IRON BLOCKS FOR WIRE ROPE.

Entire column.....CB%



No. 396 Single. No. 397 Double. No. 390 Single. No. 391 Double.

Regular Pattern, Diamond Shell Single, with Stiff Swivel Hooks.

No. 390—Size, in.	10	12	14	16
For rope, in.	5/8	5/8	3/4	7/8
W't, lbs.	33	47	65	97
Each	$10.00	12.00	14.00	16.00

Double, with Stiff Swivel Hooks.

No. 391—Size, in.	10	12	14	16
For rope, in.	5/8	7/8	3/4	7/8
W't, lbs.	50	75	100	147
Each	$15.00	17.00	19.00	22.00

Triple, with Stiff Swivel Hooks.

No. 391½—Size, in.	10	12	14	16
For rope, in.	5/8	5/8	3/4	7/8
W't, lbs.	71	100	130	210
Each	$20.00	23.00	26.00	30.00

Regular Pattern, Diamond Shell, Single, with Shackle.

No. 396—Size, in.	10	12	14	16
For rope, in.	5/8	5/8	3/4	7/8
W't, lbs.	33	47	65	97
Each	$10.00	12.00	14.00	16.00

Double, with Shackle.

No. 397—Size, in.	10	12	14	16
For rope, in.	5/8	5/8	3/4	7/8
W't, lbs.	50	75	100	147
Each	$15.00	17.00	19.00	22.00

Triple, with Shackle.

No. 398—Size, in.	10	12	14	16
For rope, in.	5/8	5/8	3/4	7/8
W't, lbs.	71	100	130	210
Each	$20.00	23.00	26.00	30.00

WESTON PATTERN HOISTS.

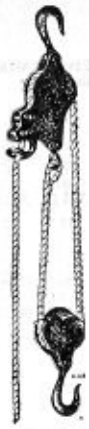


Malleable Frames, Cast Iron Pockets, Grooved Wheels, Wrought Iron Hooks, Special Hand Made Steel Chain, All Blocks Tested to Their Listed Capacity.

Capacity, tons.	Height of Lift, ft.	W't, lbs.	Per set.
½	7	28	JHDJ $21.00
1	8	51	AJHJ 38.00

LOOSE.

HALL HOISTS.



Nos. B1 and B4.



Nos. B2 and B5.



Sectional view showing adjustable lock shoe and dog.



Nos. B3 and B6.

Steel Plates, Steel Pins, Steel Forged Hooks, without Rope.

Nos.	B1	B2	B3	B4	B5	B6
For rope, in.	⅜to½	⅜to½	⅜to½	⅜to¾	⅜to¾	⅜to¾
No. of sheaves	1	2	3	1	2	3
One man can hoist, lbs.	300	600	800	300	600	900
Capacity, lbs.	600	1,000	1,500	1,000	2,500	4,000
W't per set, lbs.	2	3	5	4	6½	9
Per set	$1.00	2.00	2.75	2.00	3.00	4.00
	JGJ	ADE	BJJ	ADE	BAE	BIJ

These blocks can be adapted to any size rope, because the shoe is adjustable by bolts which hold the shoe in place and pass through slots on the plate.

With the use of the brake the load can be held at any position desired. It is easily worked—a slight movement of the hand to the right or left engages or disengages the brake. It elevates, lowers, locks and unlocks with one rope only.

HALL HOISTS SHIPPED WITHOUT ROPE.



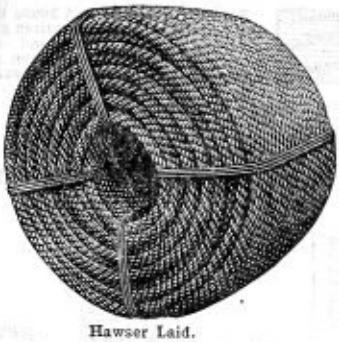
IRON SHEAVES FOR WIRE ROPE BLOCKS.

No. 474—Iron Bushed, with Deep Grooves. Discount CE%.

Iron Bushed, with Deep Grooves.

Size of Sheave, Inches.	Thickness at Hub, Inches.	For Diameter Wire, Inches.	Approx. W't, Lbs.	Each.
4x ¾x ½	⅜	⅜	1½	$0.30
5x ⅞x ⅝	⅜	⅜ & ½	2¼	.45
6x ¾x ⅝	1	⅜	3	.65
6x1 x ¾	1⅛	½	3½	.75
7x1 x ¾	1⅛	½	5	1.20
8x1 x ¾	1⅛	½	5½	1.25
8x1¼x ⅞	1⅜	⅝	7	1.50
10x1 x ⅞	1	½	10	1.80
10x1¼x ⅞	1½	⅝	11	2.25
10x1½x1	1¾	⅝	13	2.70
12x1 x1	1⅛	½	10	2.50
12x1½x1	1½	⅝	13	3.00
12x1¾x1	1⅞	⅝ & ¾	17½	4.00
14x1½x1	1⅝	⅝ & ¾	22	4.50
14x1½x1¼	1¾	⅞	24	4.50
14x1⅞x1	2	¾	24	5.00
16x1½x1½	1¾	¾ & ⅞	33	6.00
16x1⅞x1½	2	⅞	35	6.50
18x2⅛x1½	2¼	1	48	9.50

ROPE.



Hawser Laid.



Regular Laid.

Rev-o-noc Hawser Laid Manila is carried in sizes ¾, ⅞, 1, 1¼ and 1½ inch. Other sizes can be supplied from factory. This is used principally for well drilling. It is a 3 strand rope and each strand is first twisted separately, then the three strands are twisted together to form the rope.

Sulu Manila, guaranteed to be *pure Manila.* The fibre in its manufacture is not of as good color or length as in Rev-o-noc. This is the same Manila we have sold for years, but to distinguish it, are now branding it "Sulu."

Sulu Manila is carried in 3 strand, with the exception of ¾, 1⅛ and 1¼ inch, which we can supply in
3 strand
4 strand with center.
4 strand without center.

Please state which is wanted, otherwise we will ship 3 strand.

Rev-o-noc Manila is made of the purest and finest grade of Manila hemp, absolutely pure in every particular.
Rev-o-noc Manila is carried in 3 strand, with the exception of ¾, 1⅛ and 1¼ inch, which we can supply in
3 strand. 4 strand with center. 4 strand without center.
Please state which is wanted, otherwise we will ship 3 strand.

MANILA.

Diameter	3-16	1-4	5-16	3-8	7-16	1-2	9-16	5-8	3-4	13-16	7-8	1	1 1-4	1 1-2	1 3-4	2	2 1-2 in.
W't per full coil	40	45	55	60	70	95	125	155	200	235	270	335	510	725	1100	1300	2015 lbs.
Per pound	$0.26	.25½	.25½	.25	.24½	.24½	.24½	.24	.24	.24	.24	.24	.24	.24	.24*	.24*	.24*

In ordering always state the brand of Manila desired. When a price is quoted on Sisal and Manila rope, it is understood to include all sizes from ½ to 2½ in., 1/16, ⅛ and 1/16 are always half a cent advance, ⅜ in. is always a cent advance, ½ and 5/8 in. one and half cents advance and 1/16 in. two cents advance over the price of ⅝ in., called the rate.

1/16 TO 1/16 IN., FULL COILS. ⅝ IN. AND OVER, FULL AND HALF COILS. A FULL COIL CONTAINS ABOUT 1,200 FEET.

REV-O-NOC HAWSER LAID MANILA.

Diameter	3-4	13-16	7-8	1	1 1-4	1 1-2 in.
W't per full coil	220	275	320	395	630	900 lbs.
Per pound	$0.26	.26	.26	.26	.26	.26

IN FULL AND HALF COILS. A FULL COIL CONTAINS ABOUT 1,200 FEET.

HARD TWISTED PICKET.

7-16 in., "OUR VERY BEST, COWBOY," 4 strands, selected sisal fibre, w't about 6½ lbs. per 100 ft. ..... per pound $0.25½
7-16 in., "MONTANA LARIAT," 3 strands, selected sisal fibre, w't about 6½ lbs. per 100 ft. ..... " .24½
7-16 in., "MANILA COWBOY," 3 strands, selected Manila fibre, w't about 6½ lbs. per 100 ft. ..... " .30
7-16 in., "REV-O-NOC YACHT LARIAT," 3 strands, extra selected Manila fibre, w't about 6½ lbs. per 100 ft. ..... " .50

IN FULL COILS OF 1,200 FEET. WE DO NOT CUT COILS.

7-16 in., "REV-O-NOC YACHT LARIAT," in 35 ft. lengths. ..... each $2.00

SISAL.

Rev-o-noc Sisal is made of the purest and finest grade of sisal hemp, absolutely pure in every particular.
Eagle Sisal is a first-class commercial Sisal Rope, with a mixture of Istle in it. We have sold it for several years and it has given good satisfaction.
Sisal Rope is made in *three strand only.*

Diameter	3-16	1-4	5-16	3-8	7-16	1-2	9-16	5-8	3-4	13-16	7-8	1 in.
W't per full coil	40	45	55	60	70	95	125	155	200	235	270	335 lbs.
Per pound	$0.23	.22½	.22½	.22	.21½	.21½	.21½	.21	.21	.21	.21	.21

In ordering always state brand of Sisal desired.

1/16 TO 1/16 IN., FULL COILS. ⅝ IN., AND OVER, FULL AND HALF COILS. A FULL COIL CONTAINS ABOUT 1,200 FEET. WE DO NOT CUT COILS OF SISAL ROPE.

COTTON.

		ON REELS.	IN COILS.
1- 4 in., common	per pound	$0.25	$0.27
5-16 in., common	"	.25	.27
3- 8 in., common	"	.25	.27

1- 4 in., extra grade	per pound	$0.35
5-16 in., extra grade	"	.35
3- 8 in., extra grade	"	.35
1- 2 in., extra grade	"	.35

The weight of reel is always included in the total weight charged.
1,200 FEET IN A REEL OR COIL. WEIGHT ON REELS ABOUT 50 LBS., IN COILS, ABOUT 45 LBS.

TABLE SHOWING APPROXIMATE WEIGHT AND STRENGTH OF MANILA ROPE.

Best Manila Hemp, United States Government Test.

Diameter	1-4	5-16	3-8	7-16	1-2	9-16	5-8	3-4	13-16	7-8	1	1 1-16 in.
Circumference	6 thd.	9 thd.	12 thd.	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼ in.
W't of 1200 ft.	25	38	50	70	95	125	155	200	235	270	335	375 lbs.
W't of 100 ft.	2	3	4	6¼	8	11	13¾	17	21	25	30	35 lbs.
Tested strength	620	1000	1250	1800	2400	3300	4000	4700	5800	6500	7500	8900 lbs.

Diameter	1 1-8	1 1-4	1 3-8	1 1-2	1 5-8	1 3-4	2	2 1-4	2 3-8	2 1-2 in.
Circumference	3½	4	4¼	4¾	5	5½	6¼	7	7½	8 in.
W't of 1200 ft.	435	510	650	725	900	1100	1300	1765	1890	2015 lbs.
W't of 100 ft.	40	46⅔	60	66⅔	83⅓	100	120	150	163	187 lbs.
Tested strength	10500	12500	15400	17000	20000	25000	30000	37000	40000	43000 lbs.

The weights of Manila and Sisal rope are about the same, Manila being about 25% stronger. Working strain should not exceed one-third of tested strength.

Weights given on Manila are for 3 strand, 4 strand weighs about ⅓ more.

WIRE ROPE.

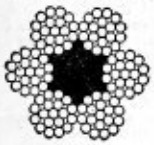
Cut Pieces of Wire Rope cannot be returned under any circumstances. If you are not sure which kind to order, specify for what purpose it is to be used.



For Stump pulling and house moving and all work that requires great breaking strain, recommend only plow steel. Do not order iron rope unless it is to be used on elevators.

Guaranteed to be equal to any on the market, each wire is carefully tested for tensile strength, elongation and torsion, and every piece which does not come up to the standard is thrown aside. The life of a hoisting rope may be greatly increased by ordering a sufficient length to admit of from six to ten feet to be cut off the attachment end from time to time, and thus change the point of stress. It will pay to lubricate the ropes frequently.

HOISTING ROPE.



CF%.

Plough Steel, 6 Strands, 19 Wires Each, Hemp Center.

Diam., in.	Circum., in.	Approx. strength in tons.	Proper working load in tons.	Diam. of drum or sheave in ft. advised.	Approx. w't per ft., lbs.	Per foot.
1¼	4	58.	12.	5.	2.45	$0.65
1⅛	3½	47.	9.4	4.5	2.	.54
1	3	38.	7.6	4.	1.58	.43
⅞	2¾	29.	5.8	3.5	1.20	.34
¾	2¼	23.	4.6	3.	.89	.26
⅝	2	15.5	3.1	2.5	.62	.19
½	1½	10.	2.	2.	.39	.14
⅜	1⅛	5.75	1.15	1.50	.22	.12½
¼	¾	2.65	.53	1.	.10	.12

For heavy hoisting work such as derricks.

Crucible Steel, 6 Strands, 19 Wires Each, Hemp Center.

Diam., in.	Circum., in.	Approx. strength in tons.	Proper working load in tons.	Diam. of drum or sheave in ft. advised.	Approx. w't per ft., lbs.	Per foot.
1¼	4	47.	9.4	5.	2.45	$0.46
1⅛	3½	38.	7.6	4.5	2.	.38
1	3	30.	6.	4.	1.58	.31
⅞	2¼	23.	4.6	3.5	1.20	.24
¾	2¼	17.5	3.5	3.	.89	.19
⅝	2	12.5	2.5	2.5	.62	.14
½	1½	8.4	1.68	2.	.39	.11
⅜	1⅛	4.8	.96	1.50	.22	.09½
¼	¾	2.2	.44	1.	.10	.09

For mine hoisting and all light work.

CF%.

Swedes Iron, 6 Strands, 19 Wires Each, Hemp Center.

Diam., in.	Circum., in.	Approx. strength in tons.	Proper working load in tons.	Diam. of drum or sheave in ft. advised.	Approx. w't per ft., lbs.	Per foot.
1	3	14.5	2.90	6.	1.58	$0.26
⅞	2¼	11.8	2.36	5.5	1.20	.20
¾	2¼	8.5	1.70	4.5	.89	.16
⅝	2	6.	1.20	4.	.62	.12
½	1½	3.9	.78	3.	.39	.08½
⅜	1⅛	2.4	.48	2.25	.22	.07
¼	¾	1.1	.22	1.50	.10	.06½

For freight and passenger elevators.

IRON HOISTING ROPE.



CJ%.

Extra Flexible, Swedish Iron, 8 Strands, 19 Wires to the Strand, 1 Hemp Core.

Inches.	W't per foot in lbs.	Approx. breaking strain in tons of 2000 lbs.	Allowable working strain in tons of 2000 lbs.	Per foot.
1½	3.19	30	5.40	$0.62
1⅜	2.70	25½	4.90	.54
1¼	2.20	20	3.60	.44
1⅛	1.80	16¾	2.95	.36
1	1.42	13	2.32	.29
⅞	1.08	10¼	1.97	.22
¾	.80	7½	1.36	.18
⅝	.56	5¼	.96	.13½
½	.45	4⅛	.75	.11
½	.35	3½	.62	.09½
⅜	.27	2½	.46	.08½
⅜	.20	2⅛	.38	.08

TILLER ROPE.



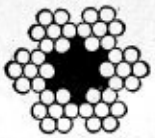
CF%.

6 Strands, 42 Wires in Each Strand.

Diam., in.	Circum., in.	Approx. w't per ft., lbs.	Per foot. Iron.	Per foot. Cast Steel.
½	1½	.28	$0.11½	$0.17
⅜	1⅛	.16	.09	.14

For steering gears on ships and hand cabies on elevators.

HAULAGE AND TRANSMISSION ROPE.



CF%.

Crucible Steel, 6 Strands, 7 Wires Each, Hemp Center.

Diam., in.	Circum., in.	Approx. strength in tons.	Proper working load in tons.	Diam. of drum or sheave in ft. advised.	Approx. w't per ft., lbs.	Per foot.
1	3	31.	6.2	7	1.58	$0.29
⅞	2¼	24.	4.8	6	1.20	.22½
¾	2¼	18.6	3.7	5	.89	.17
⅞	2⅛	15.4	3.1	4¾	.75	.14½
⅝	2	13.	2.6	4½	.62	.12
½	1½	7.7	1.5	3½	.39	.08
⅜	1⅛	4.6	.92	2¼	.22	.05½

GALVANIZED STRAND.



DE%.

Steel, 7 Wires, for Smoke Stack Guys, Electric Light Plants, Street Railways, Signal Cord, Fencing, Etc.

Diam., in.	Approx. Breaking Strain, lbs.	W't per foot, lbs.	Per 100 feet.
3/16	8,500	.51	$5.50
1/8	6,500	.405	4.50
5/32	5,000	.295	3.50
7/64	3,800	.21	2.50
1/16	2,300	.125	1.75
1/32	1,400	.075	1.25
5-32	900	.055	1.15

SASH CORDS.

BG%.

6 Strands, 7 Wires Each, Cotton Center. Galvanized,

Diam. in.	W't per ft., lbs.,	Per foot.
1/4	.10	$0.04
1/8	.056	.03
5/32	.025	.02¼
3-32	.014	.02
1/16	.006	.01¾

Breaking Strain.

Diam. in.	Iron lbs.	Diam. in.	Iron lbs.
1/4	2,200	3-32	510
5/16	1,417	1-16	262
1/8	790		

SASH CORD, CHAIN AND CLOTHES LINES.

SASH CORD.



REVONOC

Braided, Extra Quality White Cotton in Hanks.

Nos.	C6	C7	C8
Size, in.	6/32	7/32	8/32
Approx. No. ft. to lb.	66	55	44
Approx. w't per doz., lbs.	18	22	27
Per dozen	$8.10 EJE	10.15 JEHJ	12.15 JFIE
Nos.		C10	C12
Size, in.		10/32	12/32
Approx No. ft. to lb.		31	18½
Approx. w't, doz., lbs.		39	66
Per dozen		$19.80 AJHJ	27.00 AHCJ

REVONOC *Sash Cord is very strong and serviceable. Inspection extra thorough, every hank guaranteed to run free of imperfections.*

ONE HUNDRED FEET IN A HANK; NOS. C6 TO C8, ONE DOZEN HANKS IN A BUNDLE; NOS. C10 TO C12, ONE-HALF DOZEN IN A BUNDLE; SIX BUNDLES IN A BALE.

FLYER.

Braided White Cotton in Hanks.

Nos.	F7	F8
Size, in.	7/32	8/32
Approx. No. ft. to lb.	55	44
Approx. w't per doz.	22	26
Per dozen	$9.50 EDJ	11.00 JFEJ

Made of good grade of cotton, small center, solid braid. Very strong and durable.

ONE DOZEN IN A BUNDLE; SIX DOZEN IN A BALE.

"CRUSO," White Hemp Twisted, Machine Stitched.

No. H7—7-32 in., approximate w't per doz. 23 lbs.....per dozen **DCJ** $6.45

ONE HUNDRED FEET IN A HANK; ONE DOZEN HANKS IN A BUNDLE.



SAMSON SPOT, in Hanks.

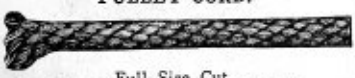
Nos.	7	8
Size, in.	7/32	8/32
Approx. w't, doz., lbs.	23	28
Per dozen	$16.10 AJFJ	19.60 ABHJ
Nos.	10	12
Size, in.	10/32	12/32
Approx. w't, doz., lbs.	44	66
Per dozen	$30.80 BJAJ	44.10 CJJJ

SILVER LAKE, Braided White Cotton.

No. B7—7-32 in., approx. w't per doz. 23½ lbs. .....per dozen **AJDE** $11.50

No. B8—8-32 in., approx. w't per doz. 28 lbs. .....per dozen **ABBE** $14.00

AWNING, VENTILATING AND PULLEY CORD.



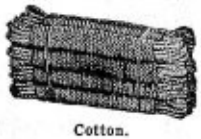
Full Size Cut.

Braided Cotton, in 100 Foot Hanks.

No. 5—White, approx. w't per doz. 12 lbs. .....per dozen **GFE** $9.00

ONE DOZEN IN A BUNDLE.

CLOTHES LINE.



Cotton.

No. 6—50 ft. common lintel cotton twisted, w't per doz. 6 lbs., per dozen .....**ABJ** $1.80

No. 6½—50 ft. white twisted cotton, w't per doz. 6 lbs., per dozen **BDJ** $3.00

No. 7—50 ft. white braided cotton, w't per doz. 3 lbs., per dozen **ABJ** $1.80

Solid Braided Cotton, Soft.

No. 24—Bee, 50 ft., w't per doz. 7 lbs., per dozen .....**CEJ** $4.20

No. 25—Devonshire, 50 ft., waterproof, w't per doz. 8 lbs., per dozen .....**DBJ** $6.00

No. 27—"Two-Bit," 50 ft., $\frac{3}{32}$ in. diameter, w't per doz. 5½ lbs., per dozen .....**BBJ** $3.00

Best quality white cotton, strong and durable.

ONE DOZEN HANKS IN A BUNDLE.

Hemp.

No. 2—**Cruso,** 50 ft. white hemp, highly polished, 4 strand machine stretched, w't per doz. 8½ lbs., per dozen .....**AHJ** $2.50

No. 4—**Cruso,** 50 ft. 4 strand, polished, selected hemp, w't per doz. 9 lbs., per dozen .....**BDJ** $3.00

Sisal.

No. 3—**Cruso,** 50 ft. combination sisal and cotton, 3 strand, sisal center, cotton wrapped, w't per doz. 6 lbs., per dozen .....**BDJ** $3.00

A heavy strong line, has held 450 lbs. on a test.

No. 53—3 thread sisal, 50 ft., $\frac{7}{32}$ in. in diameter, w't per doz. 6¼ lbs., per dozen .....**AJJ** $1.50

SASH CHAIN.



Annealed, Extra Quality.

No. C2—Coppered steel, for sash weighing not over 90 lbs., per 100 feet .....**AHJ** $6.00

No. 1—Bronze metal, for sash weighing not over 40 lbs., per 00 ft. **CBE** $6.00

No. B2—Bronze metal, for sash weighing not over 90 lbs., per 100 feet .....**DBJ** $8.00

No. 3—Bronze metal, for sash weighing not over 150 lbs., per 100 feet .....**JECE** $10.00

Chain has the advantage over the best sash cord of not rotting or fraying. It is not affected by dampness or hard usage, is practically indestructible and always in working order.

FIVE HUNDRED FEET ON A REEL. ONE REEL IN A CASE. AVERAGE W'T 5 LBS. PER 100 FEET.

SASH CHAIN ATTACHMENTS.

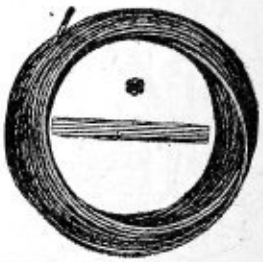


No. 1—Single, for any size sash chain, w't per doz. sets 36 lbs., per dozen sets .....**JIJ** $1.60

A set consists of four attachments, sufficient for one window—two sash.

TWENTY-FIVE SETS IN A BOX.

CLOTHES LINES.



Galvanized Wire, Plain.

No. 8—100 ft., w't per doz. 84 lbs., per dozen .....**CIJ** $7.50

No. 9—100 ft., w't per doz. 72 lbs., per dozen .....**CCJ** $7.00

Galvanized Wire, Twisted.

No. 20—50 ft. coils, w't per doz. 11½ lbs., per dozen .....**ADE** $3.25

75 Foot Coils.

Nos.	20	19	18	17
W't per doz., lbs.	15	21	27	39
Per dozen	$3.75 AHJ	4.50 BBJ	5.25 BFE	6.75 CBJ

100 Foot Coils.

Nos.	20	19	18	17
W't per doz., lbs.	24	27	33	48
Per dozen	$5.00 BDJ	6.00 BGJ	7.00 CBJ	9.00 CIJ



No. H4—50 ft. coils, w't per doz. 24 lbs., Per dozen .....**BEJ** $5.00

No. H4—75 ft. coils, w't per doz. 35 lbs., per dozen .....**CCE** $7.00

No. H4—100 ft., hollow cable, twisted, w't per doz. 43 lbs., per dozen .....**DAJ** $7.85

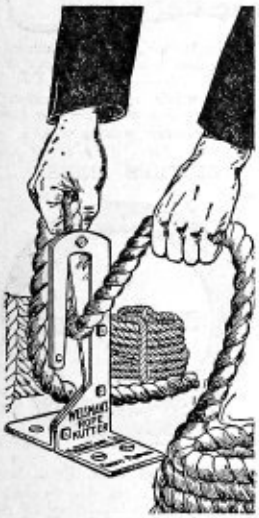


Enlarged Cut.

No. 15—100 ft., reinforced hollow cable, galvanized, w't per doz. 48 lbs., per dozen .....**JEAJ** $10.00

ROPE CUTTERS, POSTS, PROPS AND CLOTHES LINE

ROPE CUTTERS.



No. 95—Weisman's, best quality steel, height 10 in., width 3 in., finished in bright red enamel, w't per doz. 24 lbs., per dozen .....**AJHJ** $24.00

Will cut all sizes of rope. Simply place rope in slot and give a quick pull. Can be fastened anywhere and will cut in any position. The blade is of best tempered tool steel and can easily be removed and sharpened.

CLOTHES PROPS.



No. 10—Length 8 ft., width 1¼ in., ⅛ in. thick, kiln dried gum wood, ends malleable iron, galvanized, w't per doz. 31 lbs., per dozen .....**BAJ** $3.50

Easy to put on line, and cannot be blown off. Perfectly smooth and free from knots.

These props sometime come round instead of flat, as very often the wood works up to better advantage in a round prop. If a customer expresses a preference we will try to accommodate him as far as possible.

CLOTHES POSTS.



Removable Steel.

No. 40—4 posts of high carbon steel tubing filled with concrete, stand 6½ ft. above ground, annealed steel socket 2½ ft. long, 3½ in. wide, hooks of malleable iron, set consists of 4 posts 4 drive sockets, 1 wood block and 1 driving cap, w't per set 75 lbs., per set★ .....**DEJ** $5.50

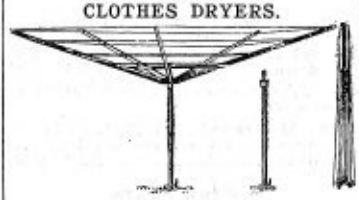
Dig no holes, simply drive sockets into the ground, the steel posts fit securely into these and are held rigid. When not in use the posts can be lifted out of the sockets, leaving a clear lawn. Wooden plugs are provided so that the sockets will not fill up when the posts are removed.

An adjustable hook is fitted to the post and permits the clothes line and clothes to be hung at a convenient height, the line afterwards being raised to the top of the post

The concrete filling renders the post as strong as a solid bar of steel.

ONE SET IN A BUNDLE.

CLOTHES DRYERS.



HILL'S CHAMPION, All Castings of Best Refined Malleable Iron and Galvanized.

No. 1—Painted wood post, 4 arms 6 ft. long, for 100 feet of line, w't per doz. 408 lbs.....per dozen **EGIJ** $96.00

No. 2—Painted wood post, 5 arms, 6 ft. long, for 115 feet of line, w't per doz. 408 lbs.....per dozen **JFCAJ** $101.52

No. 3—Painted wood post, 5 arms, 7 ft. long, for 150 feet of line, w't per doz. 444 lbs.....per dozen **JGCHJ** $122.40

No. 11—Galvanized steel post, 4 arms 6 ft. long, for 100 feet of line, w't per doz. 468 lbs., per doz. **JGJHE** $118.56

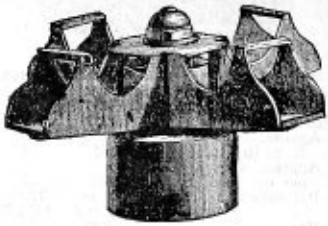
No 12—Galvanized steel post, 5 arms 6 ft. long, for 115 feet of line, w't per doz. 492 lbs., per doz. **JGFJE** $132.00

No. 13—Galvanized steel post, 5 arms 7 ft. long, for 150 feet of line, w't per doz. 528 lbs., per doz. **JHFDJ** $144.00

It is self-fastening and locks to post when in use, and being separate, can be easily removed when not in use. The Lawn Dryer post sets in a socket in the ground and can also be removed. Fitted with either painted wood post or galvanized steel tubing post.

ONE SET IN A BUNDLE.

CLOTHES LINE REELS.



No. 2—New style, japanned iron, diam. 14 in., w't per doz. 169 lbs., per dozen .....**JHAJ** $12.00

No. 3—New style, japanned iron, extra heavy, diam. 14 in., w't per doz. 216 lbs. .....per dozen **JIFJ** $15.00

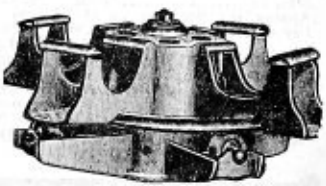
LOOSE.





No. 5—Adams', cast iron, japanned, extra strong, with bolt for post, iron pin substituted by a cap which is as large as the post, and bolt is furnished to anchor the cap securely, diam. 14 in., w't per doz. 108 lbs., per dozen .....**ACBJ** $16.00

ONE-QUARTER DOZEN IN A CRATE.



No. 010—Silberzahu's, cast iron, japanned, diam. 16 in., anti-friction roller bearings, socket head with four arms supporting roller bearings, rollers are 6 in. from the center, thereby giving supporting surface of 12 in. in diam., w't 240 lbs., per dozen .....**AEJJ** $16.00

ONE-QUARTER DOZEN IN A CRATE.

TWINE AND TWINE HOLDERS.

TWINE HOLDERS.



No. 10—Sensible, cone twine holders, japanned, height 11 in., with clamp screw to screw to counter, w't per doz. 18 lbs. .....per dozen **BDJ** $4.00

LOOSE.



No .20—Copper bronzed, to hang, w't per doz. 9 lbs. ..per doz. **AEJ** $2.50

No. 30—Japanned, to hang, w't per doz. 9 lbs. .....per dozen **AEJ** $2.50

ONE-HALF DOZEN IN A BOX.



No. 131—Bee Hive, extra heavy for counter, w't per doz. 30 lbs., per dozen .....**CIJ** $5.50

ONE-HALF DOZEN IN A BOX.

TWINE.



Cotton in Balls.

No. 3—3 ply, wrapping, common grade, per 5 pound sack.....**AJJ** $1.90
No. 4—4 ply wrapping, common grade, per 5 pound sack .....**AJJ** $1.90
No. 34—4 ply, heavy wrapping, high grade soft spun, per 5 lb. **ADE** $2.00
No. 24—4 ply, wrapping, extra high grade .....per 5 pound **AEE** $2.00



Cotton on Cones.

No. 13—3 ply, medium grade, on cones of about 2½ lbs., per cone **FJ** $0.95
No. 14—4 ply, medium grade, on cones of about 2½ lbs. per cone **FJ** $0.95
No. 15—3 ply, extra high grade on cones .....per cone **JGJ** $1.00
No. 16—4 ply, extra high grade, on cones .....per cone **JGJ** $1.00



Size 12 ——— 2-64
Size 18 ——— 3-64
Size 24 ——— 4-64
Size 30 ——— 5-64

India Hemp.

No. 80—Size 12, ¼ lb. balls, per dozen .....**JHE** $1.25
No. 81—Size 18, ¼ lb. balls, per dozen .....**JHJ** 1.15
No. 82—Size 18, ½ lb. balls, per dozen .....**AEE** 2.15

B. C. Hemp.

No. 83—Size 18, ½ lb. balls, per dozen .....**AHE** $2.65
No. 84—Size 24, ½ lb. balls, per dozen .....**AHE** 2.50
No. 85—Size 36, ½ lb. balls, per dozen .....**AHJ** 2.40

THREE POUNDS IN A PACKAGE.

3-32

Size of 2 Ply.

4-32

Size of 3 Ply.

India Hemp.

No. 4½—2 ply, ¼ lb. balls, per dozen .....**EJ** $0.75
No. 6—3 ply, ½ lb. balls, per dozen .....**JIE** 1.50

LOOSE.

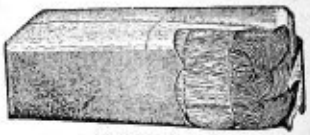
TWINE.



No. 3-KT. No. 1

No. 2-TK—Jute wrapping, ½ lb. balls, per dozen .....**AAJ** $1.80
No. 1—4 ply jute wool, 1 lb. balls, per pound .....**AA** .15
No. 11—3 ply, finished wool 1 lb. balls, per pound .....**AD** $0.20

100 LBS. IN A BALE.



Sail or Sacking.

No. 53—3 ply, "B" hemp, in hanks, per package, 12 lbs. .....**CAJ** $4.30
No. 54—4 ply, "B" hemp, in hanks, per package, 12 lbs. .....**CAJ** $4.30
No. 63—3 ply, "A" flax, in hanks, per package, 12 lbs. .....**DEE** $6.00

TWELVE POUNDS IN A PACKAGE.



Fodder or Lath.

No. 130—130 strand, tarred sisal, approx. w't per coil 110 lbs., per lb. **AA** $0.15
No. 200—200 strand, tarred sisal, approx. w't per coil 110 lbs., per lb. **AB** $0.17

LOOSE.

CRUSO TWINE ASSORTMENTS.



Cruso—Select hemp stock, four assorted sizes, 6 balls each Nos. 12, 18, 24 and 36, w't per box 3 lbs., per assortment .....**AJE** $1.70

TWO DOZEN IN A BOX.

NEEDLES.

PACKING OR SACKING.



Polished Cast Steel.

No. 20—				
Inches ...	3½	4	4½	5
Per dozen..	$0.20	.25	.30	.35
	AJ	AB	AD	AH
No. 20—Inches.....	5½	6		7
Per dozen	$0.40	.45		.50
	BJ	BD		CJ

Extra Heavy, Best Steel.

No. 25—Inches.....	6	6½	7
Per dozen	$0.80	.85	.90
	BD	BF	BI

THREE DOZEN IN A BOX.

SPRING EYE PACKING.



Extra Quality Forged Crucible Polished Steel.

No. 30—Inches.....	4½	5
Per dozen	$2.50	3.00
	ADD	AEJ

ONE DOZEN IN A PAPER.



Extra Quality Forged Crucible Polished Steel, with Cutter.

No. 40—Inches.....	4½	5
Per dozen	$5.00	5.00
	BJE	BJE

ONE DOZEN IN A PAPER.

SPEYING.



Polished Steel.

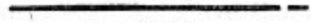
No. 15—Inches.....	2½	3
Per dozen	$0.20	.25
	AJ	AA

ONE DOZEN IN A PAPER.

KNITTING.



No. 14.



No. 12.



No. 10.

Extra Fine Elastic Steel.

Nos.	14	12	10
Per gross	$0.85	1.10	1.70
	DB	JED	JFF

ONE-QUARTER GROSS IN A PACKAGE.

MATTRESS OR UPHOLSTERERS'.



No. 50—10 in., polished steel, single point.....per dozen CJ $0.62

ONE DOZEN IN A PAPER.



No. 60—10 in., polished steel, double point.....per dozen CF $0.72

ONE DOZEN IN A PAPER.

SAIL.



Polished Steel.

Nos.	4	3	2	1
Size, in.....	2¼	2½	3	3½
Per paper...	$0.50	.60	.80	1.10
	AH	BB	BI	JDJ

TWENTY-FIVE IN A PAPER.

HARNESS.

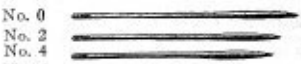


Polished Cast Steel, Drilled Eye.

Nos.	0	1	2	3
Per dozen papers ...	$1.92	1.92	1.92	1.92
	AAE	AAE	AAE	AAE
Nos.		4	5	6
Per dozen papers..		$1.92	1.92	1.92
		AAE	AAE	AAE

TWENTY-FIVE IN A PAPER.

GLOVERS'.



Polished Cast Steel.

Nos.	0	1	2	3
Per dozen papers ...	$3.00	3.00	3.00	3.00
	AEJ	AEJ	AEJ	AEJ
Nos.		4	5	6
Per dozen papers..		$3.00	3.00	3.00
		AEJ	AEJ	AEJ

TWENTY-FIVE IN A PAPER.

PURE BLACK RUBBER HEELS.



"Spring Step" Rubber Heels with Friction Plug.

No. 101—Men's half heels, black, sizes 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11 and 12-13, w't per doz. prs. 4 lbs., per dozen pairs.....CCJ $5.50

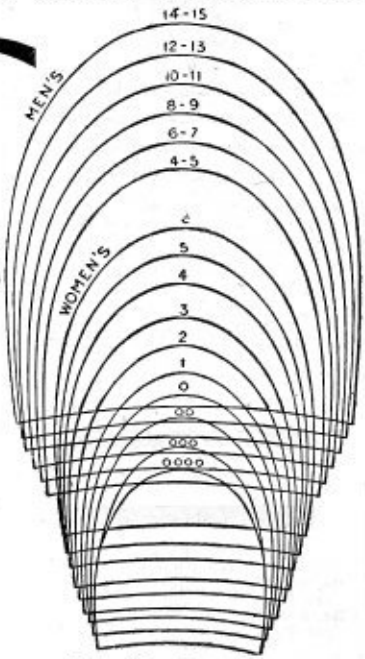
No. 102—Men's whole heels, black, sizes 4, 5, 6, 7-8, 9-10 and 10-11, w't per doz. prs. 6½ lbs., per dozen pairs.....CFJ $6.00

No. 103—Women's whole heels, black, sizes 00, 0, 1, 2, 3, 4 and 5, w't per doz. prs. 4 lbs., per dozen pairs.....CCJ $5.50

No. 104—Women's half or Cuban heels, black, sizes 0000, 000, 00, 0, 1, 2, 3, 4 and 5, w't per doz. prs. 3 lbs., per dozen pairs .....CJJ $5.00

High quality heels of new lively rubber. Plug prevents slipping and adds to life of heel.

ONE PAIR IN A BOX, WITH NAILS.



Sizes of No. 90 to 105.



CRUSO HEELS.

"Make you feel like a bird."

No. 90—Men's half heels, sizes 4-5, 6-7, 8-9, 10-11, 12-13 and 14-15, per dozen pairs.....BAJ $3.50

No. 95—Men's whole heels, sizes 4-5, 6-7, 8-9, 10-11, 12-13, per dozen pairs .....BAJ $3.50

No. 100—Women's half heels, sizes 0-1, 2, 3, 4, 5 and 6, per dozen pairs.....AHJ $3.00

No. 105—Women's whole heels, sizes 0, 1, 2, 3, 4, 5 and 6, per dozen pairs.....AHJ $3.00

ONE PAIR IN A BOX, WITH NAILS.

SHOE FINDINGS.

SHAPED HALF SOLES.



Men's, Hemlock Leather, Assorted 9 to 12.

No. 10—Thickness, in.	3½	4	4½	5
W't, doz. pairs, lbs.	3	3½	3¾	4
Per dozen pairs	$3.00	3.25	3.60	4.40
	BJE	BDJ	BDJ	BEE

The thickness given is of twelve pairs.

ONE DOZEN PAIRS IN A PACKAGE.

Men's, Oak Leather, Assorted 9 to 12.

No. 15—Thickness, in.	3½	4	4½	5
W't, doz. pairs, lbs.	2¾	3	3¼	4
Per dozen pairs	$3.00	3.25	3.60	4.40
	BJE	BDJ	BEJ	BGJ

The thickness given is of twelve pairs.

ONE DOZEN PAIRS IN A PACKAGE.

FELT BOOT TAPS.

Men's, Hemlock Leather, Assorted 12 to 14.

No. 12—Thickness, in.	4	5
W't per doz. pairs, lbs.	4½	4¾
Per dozen pairs	$4.50	5.25
	BIJ	CHE

The thickness given is of twelve pairs. These are extra wide for felt or rubber boots.

ONE DOZEN PAIRS IN A PACKAGE.

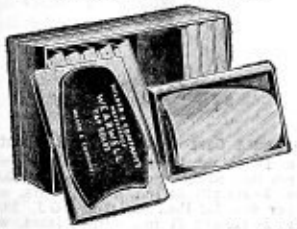
WOMEN AND BOYS' TAPS.



No. 20—Women's, hemlock leather, thickness of 12 pairs 3½ in., assorted 3 to 7, w't per doz. prs. 2 lbs., per doz pairs .....AEE $2.20

No. 30—Boys', hemlock leather, thickness of 12 pairs 4 in., assorted 1 to 5, w't per doz. prs. 2¼ lbs., per dozen pairs .....BJE $2.80

ONE DOZEN PAIRS IN A PACKAGE.



No. 22—Wear-long, waterproof, thickness of 12 pairs 4½ in., assorted 8 to 12, w't per doz. prs. 5¼ lbs., per dozen pairs .....CCJ $4.60

No. 26—Wear-long, waterproof, thickness of 12 pairs 6 and 6½ in., assorted 10 to 13, w't per doz. prs. 7¼ lbs., per dozen pairs .....CIE $5.40

ONE PAIR IN A CARTON, TWELVE CARTONS IN A BOX.

SQUARES AND BLOCKS.



Men's, Hemlock Leather Squares, 6½x8½ Inches.

No. 40—Thickness, in.	3½	4	4½	5
W't per doz. pieces, lbs.	3¼	4	4½	5
Per doz. pieces	$3.80	4.20	4.50	5.00
	BFE	CJJ	CDJ	CHE

Will cut one pair of men's tap soles.

ONE SINGLE DOZEN IN A PACKAGE.

Men's, Oak Leather Blocks, 8½x12½ in.

No. 45 — Thickness, in.	4	4½	5
W't, doz. pcs., lbs.	7	8	9
Per dozen pieces	$7.80	9.00	10.80
	EFE	FEJ	JGHJ

Will cut two pairs of men's tap soles, and can also be used to advantage for women's, boys' or children's soles and heels.

ONE SINGLE DOZEN IN A PACKAGE.

TOP LIFTS.



No. 50—Men's, hemlock leather, thickness of 12 pairs 4 in., w't per doz. prs. 1⅛ lbs. ....per dozen pairs HJ $0.96

ONE DOZEN PAIRS IN A PACKAGE.

SOLE STRIPS.



No. 60—Hemlock, leather, all clear, per pound .....EE $0.90

No. 65—Oak leather, all clear, per pound .....EE $0.90

These are heavy strips 6½ inches wide and varying in length from 18 to 30 in. We cannot furnish strips of any stated length.

TWENTY-FIVE POUNDS IN A BUNDLE.

No. 1—White oak leather, all clear, 26 to 30 in. long, 8 in. wide, 25 lbs. in a bundle .....per pound FE $0.95

This is a white oak strip and of better quality than the ordinary strip.

No. 2—Linenoid, chrome leather, 8 in. wide, 26 to 30 in. long, all clear, w't per bundle 25 lbs., per lb. JGJ $1.20

LEATHER CEMENT.



Ajax.

No. 303—1-oz. bottles, per dozen .....JHE $1.50

No. 305—2-oz. bottles, per dozen .....ACJ 2.20

Very useful for cementing all kinds of leather, shoe and harness repairing.

ONE DOZEN IN A BOX.

RUBBER CEMENT.



Ajax.

No. 205—2-oz. bottles, per dozen .....JIJ $1.50

No. 206—4-oz. cans, per doz. ABE 2.20

An excellent cement for all rubber goods, such as rubber coats, hot water bags, etc.

ONE DOZEN IN A BOX.

HEELS AND COUNTERS.



No. 110—"Never Slip," steel for men's shoes, size 6 for Nos. 6 and 7, size 8 for Nos. 8 and 9, size 10 for Nos. 10 and 11, size 12 for Nos. 12 and 13, w't per pr. 1 lb. .....per pair BJ $0.40

For miners, blacksmiths, quarrymen, prospectors, etc.

ONE PAIR IN A BOX, WITH WOOD FILLERS COMPLETE WITH NAILS AND RIVETS.

HEEL STIFFENERS.



Nos.	1	2	3	4	5	6
Heel, in.	1	1⅛	1¼	1⅜	1½	1¾
W't per doz. pairs, lbs.	⅜	½	¾	⅞	1	1¼
Per dozen pairs	$1.00	1.00	1.00	1.00	1.00	1.00
	JDH	JDH	JDH	JDH	JDH	JDH

Lyons'.

No. 26—Assorted, Nos. 2 to 6, w't per doz. pairs 1 lb., per dozen pairs .....JDG $1.00

ONE DOZEN PAIRS IN A BOX.

COBBLERS' TOOLS.

COBBLERS' OUTFITS.



No. 10—Consisting of 27 articles, as enumerated above, packed securely in a wood box, w't per doz. 121 lbs., per dozen .....**JIFJ** $21.00

Contents.

1 iron stand for lasts.
1 last for men's work.
1 last for boys' work.
1 last for children's work.
1 pair men's half soles.
1 pair boys' half soles.
1 pair women's half soles.
1 shoemaker's hammer.
1 shoemaker's knife.
1 patent peg awl handle.
1 peg awl.
1 sewing awl handle.
1 sewing awl.
1 wrench for peg awl handle.
1 pkg. half soling nails.
1 pkg. half soling tacks.
1 bunch bristles.
1 ball shoe thread.
1 ball shoe wax.
1 harness awl handle.
1 harness awl.
1 bottle leather cement.
1 bottle rubber cement.
4 pairs heel plates.
1 pkg. shoe pegs.
1 pkg. heel nails.
1 copy directions for half soling, etc.

HEEL PLATES.



Star, Steel, to Drive.

Nos.	1	2	3
Size, in.	1⅛	1⅜	1⅝
W't per gro. pairs, lbs.	3	5	5½
Per gross pairs	$1.00	1.50	1.75
	JFE	JIJ	AAE

Nos.	4	5
Size, in.	1⅜	2
W't per gro. pairs, lbs.	8	9
Per gross pairs	$2.50	3.00
	AEJ	AIJ

ONE-QUARTER GROSS PAIRS IN A BOX.

COMBINATION OUTFITS.



No. 15—Consisting of 44 articles, as enumerated, packed securely in a wood box, w't per doz. 142 lbs., per dozen .....**AADJ** $30.00

Contents.

1 iron stand for lasts.
1 iron men's last.
1 iron boys' last.
1 iron women's last.
1 iron children's last.
1 shoe hammer.
1 shoe knife.
1 peg awl handle.
1 peg awl.
1 wrench for awl.
1 sewing awl handle.
1 sewing awl.
1 stabbing awl handle.
1 stabbing awl.
1 bottle leather cement.
1 bottle rubber cement.
1 bunch bristles.
1 ball shoe thread.
1 ball shoe wax.
3 pkg. clinch nails, ½, ⅝, ¾ in.
1 pkg. heel nails.
4 pairs heel plates, assorted.
6 harness needles.
1 harness and saw clamp.
1 box slotted rivets, assorted.
1 rivet set for same.
1 belt punch.
1 soldering iron.
1 handle for same.
1 bar solder.
1 bar resin.
1 bottle soldering fluid.
1 copy directions.
These outfits can be used for boots, shoes, rubber, harness and tinware.

LAP LASTS.



Round Toe, Cast Iron, Japanned.

No. 21—Medium, 2¼x4½ in. and 3x5¼ in., w't per doz. 33 lbs., per dozen .....**AGE** $2.10

No. 22—Large, 3¼x5¼ in. and 3¼x5⅝ in., w't per doz. 42 lbs., per dozen .....**BAE** $2.70

COBBLERS' OUTFITS.



No. 5—Cruso, consisting of 15 articles, as enumerated above, packed securely in a wood box, w't per doz. 83 lbs., per dozen .....**DEJ** $9.00

Contents.

1 iron stand for lasts.
1 last for men's work.
1 last for boys' work.
1 last for children's work.
1 shoemaker's hammer.
1 shoemaker's knife.
1 patent peg awl handle.
1 peg awl.
1 sewing awl handle.
1 sewing awl.
1 harness awl handle.
1 harness awl.
1 paper heel nails.
1 paper half-soling nails.
1 copy directions.

STANDS AND LASTS.



Japanned Cast Iron, Adjustable Lasts.

No. 1—Height 14 in., with 3 lasts, w't per doz. 60 lbs., per dozen **BBJ** $5.00
No. 2—Height 24 in., with 4 lasts, w't per doz. 132 lbs., per doz. **EGJ** $9.00
No. 3—Height 21 in., with 4 lasts, w't per doz. 96 lbs., per dozen **DEJ** $7.00

Japanned Malleable Iron, Adjustable Lasts.

No. 6—Height 15 in., with 3 lasts, w't per doz. 112 lbs., per dozen .....**JFCJ** $11.00
No. 4—Height 23 in., with 4 lasts, w't per doz. 150 lbs., per dozen .....**AJEJ** $17.50

PACKING.

SQUARE SPIRAL PACKING.



In 12 Foot Coils.

No. 26 ——			
Sizes, in.	1/8	3/16	1/4
W't per box, lbs....	3/4	1/2	3/4
Per pound $1.00	1.00	1.00	
	JFJ	JFJ	JFJ

No. 26 ——			
Sizes, in.	5/16	3/8	7/16
W't per box, lbs....	1	1¼	2½
Per pound $1.00	1.00	1.00	
	JFJ	JFJ	JFJ

No. 26 ——			
Sizes, in.....	½	5/8	¾
W't per box, lbs....	2½	4	4
Per pound $1.00	1.00	1.00	
	JFJ	JFJ	JFJ

Made of the finest quality linen duck, heavily frictioned and treated (not boiled), with a special compound graphite finish.

ONE COIL IN A BOX.

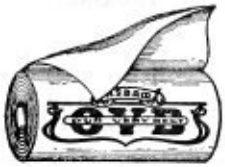
RED RUBBER PACKING.

For all usual purposes —— red packings will be found to give perfect satisfaction, showing the characteristic qualities which have made our red packings so popular for general steam plant work.

SPIRAL PACKING.

—— is a high grade packing, correctly named. It is made for high grade service in general steam plant work, possessing to an unequaled degree the characteristics required of such a packing. The plies of ducks are placed edgewise to the rod and bonded well with rubber compound. A canvas covered backing of rubber gives the cushion and springiness so desirable in rod packing.

—— is a strictly first grade packing for all steam plant purposes.



—— Red Rubber, About 200 Lbs. to the Roll.

——Thickness,			
in.	1/32	3-32	1/8
W't per sq. yd., lbs.	6	9	12
Per pound $1.00	1.00	1.00	
	EE	EE	EE

Is the highest quality in every respect and equal to any brand of red sheet packing.

Cloth Insertion.

Thickness, in.	1-32	1/16	3-32
Ply	1	1	2
W't per sq. yd., lbs.	3	6	9
Common grade, lb...$0.30	.25	.25	
	AH	AC	AC
High grade, per lb..$0.40	.30	.30	
	BE	AH	AH

Thickness, in.	1/8	5/32	¼
Ply	2	3	4
W't per sq. yd., lbs.	12	18	25
Common grade, lb...$0.25	.25	.25	
	AC	AC	AC
High grade, per lb..$0.30	.30	.30	
	AH	AH	AH

Cloth Both Sides.

Thickness, in.	1-32	1/16	3-32
Ply	2	2	3
W't per sq. yd., lbs.	3	6	9
Common grade, lb...$0.40	.25	.25	
	BE	AC	AC
High grade, per lb..$0.40	.30	.30	
	BE	AH	AH

Thickness, in.	1/8	5/32	¼
Ply	3	4	5
W't per sq. yd., lbs.	12	18	25
Common grade, lb...$0.25	.25	.25	
	AC	AC	AC
High grade, per lb..$0.30	.30	.30	
	AH	AH	AH

The weights given are the approximate weight of the common grade. High grade, though lighter, is much more desirable on account of the longer service it will give.



Metallic Asbestos Sheet, About 100 Lbs. to the Roll.

No. 21 ——White, 1/32 in. thick, 40 in. wide, for steam engines, w't per sq. yd. about 5½ to 6 lbs., per pound .....JGJ $1.20

No. 25 ——Red and black, 1-32 in. thick, 40 in. wide, for gas engines, w't per sq. yd. about 4½ lbs., each .....JHJ $1.50

No. 27 ——Red and black, 1/16 in. thick, 40 in. wide, for gas engines, w't per sq. yd. about 5½ to 6 lbs., per pound .....JHJ $1.50

In No. 21 White Metallic Asbestos Sheet Packing, each and every individual strand of yarn is spun around a core of brass wire, and then woven into a compact fabric, and thoroughly impregnated with a special white rubber composition, furnishing a high pressure packing of great merit. Its heat resistant properties appeal strongly to the engineer.

Nos. 25 and 27 Gas Engine Packing is made on the same general lines as No. 21 except that it is especially prepared for use on gas engines, and all other locations where the extreme heat produced by the explosion of gas or other liquid fuel must be withstood. In order that the cylinder heads or exhaust connections may be removed readily without the destruction of the gasket, one surface is especially prepared with a coating of plumbago. The reverse side is red in color and intended to vulcanize firmly to the cylinder.



——

Sectional Red Tubular Gasket.

No. 36 ——			
Sizes, in.	3/8	½	5/8
Coils to a box	5	4	3
W't per box, lbs....	6	9	9½
Per pound $0.95	.95	.95	
	EE	EE	EE

No. 34 ——			
Sizes, in.	¾	7/8	1
Coils to a box.	2	2	1
W't per box, lbs....	9½	12½	8
Per pound $0.95	.95	.95	
	EE	EE	EE

PACKING AND BELTING.

PACKING.



Flax.

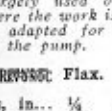
—Sizes, in...	¼	⅜	½
Length per coil, ft..	30½	23½	18
Coils to a box.....	5	4	3
W't per box, lbs....	7	7¼	7¼
Per pound $0.60	.60	.60	.60
	DE	DE	DE
—Sizes, in...	⅝	¾	⅞
Length per coil, ft..	15	12¾	11
Coils to a box.....	3	2	2
W't per box, lbs....	8¼	7¼	8
Per pound $0.60	.60	.60	.60
	DE	DE	DE
—Sizes, in...	1	1¼	1½
Length per coil, ft..	9¼	7	6
Coils to a box.....	3	2	1
W't per box, lbs....	7	8	5
Per pound $0.60	.60	.60	.60
	DE	DE	DE

Intended for cold water, but may be used for steam up to 80 lbs. Made from long fibre flax, braided in the most approved and skillful manner, lubricated with the finest quality cake tallow, is largely used on hydraulic elevators, where the work is severe. It is also well adapted for use in the water end of the pump.

Flax.

—Sizes, in...	¼	⅜	½
Length per coil, ft..	30½	23½	18
Coils to a box.....	5	4	3
W't per box, lbs....	7	7¼	7¼
Per pound $0.50	.50	.50	.50
	DJ	DJ	DJ
—Sizes, in...	⅝	¾	⅞
Length per coil, ft..	15	12¾	11
Coils to a box.....	3	2	2
W't per box, lbs....	8¼	7¼	8
Per pound $0.50	.50	.50	.50
	DJ	DJ	DJ
—Sizes, in...	1	1¼	1½
Length per coil, ft..	9¼	7	6
Coils to a box.....	3	2	1
W't per box, lbs....	7	8	5
Per pound $0.50	.50	.50	.50
	DJ	DJ	DJ

Lubricated with the finest quality cake tallow, is used quite extensively and found to give very good satisfaction.



Standard Hemp, Untarred.

B American, ¼ in., 7½ ft. to the lb., per pound .....AE $0.25

B Italian, ¼ in., 7½ ft. to the lb., per pound .....BJ $0.30

ABOUT TWENTY-FIVE POUNDS IN A COIL.

PACKING.



Special or Fine Square Duck. In 12 Foot Coils.

No. 36 —Sizes, in...	¼	⅜	⅜	⅞
W't, coil, lbs.	1	1¾	2½	2¾
Per pound ..$0.95	.95	.95	.95	.95
	EE	EE	EE	EE
No. 36 —Sizes, in.	½	⅝	¾	⅞
W't per coil, lbs....	4	4¼	5¼	
Per pound $0.95	.95	.95	.95	
	EE	EE	EE	
No. 36 —Sizes, in.	1	1¼	1½	
W't per coil, lbs....	7¼	8½	10	
Per pound $0.95	.95	.95	.95	
	EE	EE	EE	
No. 36 —Sizes, in.	⅞	1	1	
W't per coil, lbs....	11¾	13½	15	
Per pound $0.95	.95	.95	.95	
	EE	EE	EE	

A superior quality of packing, made of fine duck and white rubber, especially designed for hydraulic steam pumps.

Common Square Duck. In 12 Ft. Coils.

Sizes, in.....	¼	⅜	½	⅝
W't, coil, lbs.	¾	1¼	3	4¼
Per pound...$0.50	.50	.50	.50	.50
	CJ	CJ	CJ	CJ
Sizes, in.	¾	⅞	1	
W't per coil, lbs....	6½	9	12	
Per pound $0.50	.50	.50	.50	
	CJ	CJ	CJ	

Made of a good grade of dark rubber and canvas, for all ordinary use.

HIGH PRESSURE WICK PACKING.



"BESTALLIC."

Made of Hard Twisted Long Fibre Asbestos, Intertwined With a Fine Brass Wire.

No. 40—Sizes, in.	1/16	⅛	3/16	¼
Per pound ..$1.30	1.30	1.30	1.30	1.30
	JHJ	JHJ	JHJ	JHJ
No. 40—Sizes, in....	⅛	⅜	½	
Per pound $1.30	1.30	1.30	1.30	
	JHJ	JHJ	JHJ	

"Bestallic" packing is unequalled for stems of globe and angle valves, stop valves, expansion joints, etc. It will not become hard in the stuffing box, even after years of service.

ONE POUND ON A SPOOL.

LEATHER BELTING.



—EE%

Eclipse— EE-E%	Standard— FE-BA/B%		Agricultural— GJ%	
W't per 100 Grade,	Eclipse Grade,	Stand- ard Grade,	Agri- cultural Grade,	
Width, in. ft.,	per foot.	per foot.	per foot.	per foot.
1 8	$0.24	$0.24	$0.24	$0.24
1⅛ 9¾	.30	.30	.30	.30
1½ 11¾	.36	.36	.36	.36
1¾ 13¼	.42	.42	.42	.42
2 15½	.48	.48	.48	.48
2¼ 17½	.54	.54	.54	.54
2½ 19½	.60	.60	.60	.60
3 23½	.72	.72	.72	.72
3½ 27¼	.84	.84	.84	.84
4 31¼	.96	.96	.96	.96
4½ 35	1.08	1.08	1.08	1.08
5 39	1.20	1.20	1.20	1.20
5½ 43	1.32	1.32	1.32	1.32
6 47	1.44	1.44	1.44	1.44
7 55	1.68	1.68		
8 62½	1.92	1.92		
9 70	2.16			
10 78	2.40			
11 86	2.64			
12 94	2.88			

is made strictly short lap. The pieces are cut not longer than 4 ft. 2 in., and stretched so that they may be in length up to 4 ft. 6 in. Is suitable for any place where any high-grade belt can be used.

Eclipse is made of pure oak leather. It is as thick in appearance as of same width. It is used ordinarily in slow running machinery where the load is comparatively easy, such as machine shop work.

Standard and Agricultural grades are made from the first and second cuts of the shoulder; they are short lap and will run straight, but with much less strength, as thickness would show. Intended for light running machinery only.

Weights given above are for "Our Very Best" grade. The Eclipse weighs about 10%, the Standard about 20% and the Agricultural about 33⅓% less.

RUBBER ENDLESS THRESHER.

Elephant Grade.

Width, in...	6	7	8	8	9
W't 100 ft., lbs.	82	94	106	127	143
Ply	4	4	4	5	5
Per foot $0.62	.73	.80	1.05	1.18	
Discount DJ%					

Guaranteed the best grade thresher belt on the market.

Stock sizes, 120, 130, 140, 150, 160 and 170 ft. long.

Double belts of leather take twice the list of single belts, but are economical because they stand a larger overload and last longer with fewer take-ups. Where the small pulley is less than 6 in. in diameter, double belts, on account of their stiffness, might part in the plies. Horse power, speed and size of driving pulley determine whether single or double belts should be used.

BELTING AND BELT LACING.

RUBBER.

Each.....DE-GA/B%
Amherst .....EE-E%
Standard .....GJ%

Three Ply.

Width, in.	W't per 100 ft., lbs.	Extra Grade, per ft.	Amherst Grade, per ft.	Standard Grade, per ft.
1	11	$0.11	$0.11	$0.11
1¼	13	.13	.13	.13
1½	16	.15	.15	.15
2	26	.20	.20	.20
3	31	.30	.30	.30
3½	36	.35	.35	.35
4	40	.40	.40	.40
4½	45	.45	.45	.45
5	53	.50	.50	.50
6	67	.60	.60	.60

Four Ply.

Width, in.	W't per 100 ft., lbs.	Extra Grade, per ft.	Amherst Grade, per ft.	Standard Grade, per ft.
2	26	$0.25	$0.25	$0.25
2½	32	.31	.31	.31
3	38	.37	.37	.37
3½	44	.43	.43	.43
4	50	.50	.50	.50
4½	54	.55	.55	.55
5	65	.61	.61	.61
6	77	.72	.72	.72
7	91	.84	.84	.84
8	102	.96	.96	.96
9	113	1.07	1.07	1.07
10	126	1.20	1.20	1.20
11	145	1.32	1.32	1.32
12	164	1.43	1.43	1.43
14	183	1.69	1.69	1.69
16	206	1.96	1.96	1.96
18	228	2.22	2.22	

Five Ply.

Width, in.	W't per 100 ft., lbs.	Extra Grade, per ft.	Amherst Grade, per ft.
6	93	$0.89	$0.89
8	128	1.19	1.19
10	154	1.49	1.49
12	195	1.78	1.78
14	225	2.11	2.11
16	260	2.44	2.44
18	282	2.77	2.77
20	318	3.10	3.10
22	350	3.47	3.47
24	380	3.85	3.85

Six Ply.

Width, in.	W't per 100 ft., lbs.	Extra Grade, per ft.	Amherst Grade, per ft.
6	107	$1.08	$1.08
8	140	1.44	1.44
10	192	1.77	1.77
12	224	2.15	2.15
14	256	2.54	2.54
16	299	2.94	2.94
18	332	3.33	3.33
20	375	3.73	3.73
22	410	4.16	4.16
24	445	4.62	4.62

The Extra is made of 30 oz. duck and the best grade rubber friction.

Amherst is made of 28 oz. duck and a good medium grade of rubber friction. The Standard is a cheaper grade made from 24 oz. duck for light work only.

Weights given above are approximate of the Extra grade. The Amherst about 10%, the Standard about 20% less.

A FULL ROLL OF BELTING MEASURES FROM 400 TO 450 FEET.

WATER MOTOR.

9 ft., endless, 1 in. wide, of rubber and cloth webbing .....each EJ $0.60

STITCHED CANVAS.

Chicago Brand .....EE-E%

Four Ply, Painted, Chicago Brand.

Width, in.	1½	2	2½	3	3½
W't per 100 ft., lbs.	15	19	23	29	34
Per foot	$0.18	.24	.30	.35	.39
Width, in.	4	4½	5	6	7
W't per 100 ft., lbs.	40	43	46	59	70
Per foot	$0.43	.47	.51	.60	.70
Width, in.	8	9	10	11	12
W't per 100 ft., lbs	81	91	100	112	125
Per foot	$0.80	.90	1.00	1.10	1.20

Six Ply, Painted, Chicago Brand.

Width, in.	3	4	5	6
W't, 100 ft., lbs	43	51	57	89
Per foot	$0.53	.65	.77	.90
Width, in.	7	8	9	10
W't, 100 ft., lbs	100	117	138	163
Per foot	$1.05	1.20	1.35	1.50
Width, in.	12	14	16	18
W't, 100 ft., lbs	185	216	252	287
Per foot	$1.80	2.31	2.64	2.97

We can furnish this belting in rolls or cut pieces. Guaranteed equal to any canvas belting on the market.

A FULL ROLL OF BELTING MEASURES FROM 450 TO 500 FEET.

ENDLESS STITCHED CANVAS THRESHER.

Four Ply, Chicago Brand.

Length, ft.	80	90	100	120
Width, in.	6	6	6	6
W't per belt, lbs.	49	55	61	73
Per foot	$0.60	.60	.60	.60
	BB	BB	BB	BB
Length, ft.	130	140	150	160
Width, in.	6	6	6	6
W't per belt, lbs.	80	86	92	98
Per foot	$0.60	.60	.60	.60
	BB	BB	BB	BB
Length, ft.	80	100	120	130
Width, in.	7	7	7	7
W't per belt, lbs.	58	72	87	91
Per foot	$0.70	.70	.70	.70
	BE	BE	BE	BE
Length, ft.		140	150	160
Width, in.		7	7	7
W't per belt, lbs.		99	105	113
Per foot		$0.70	.70	.70
		BE	BE	BE
Length, ft.	80	100	120	130
Width, in.	8	8	8	8
W't per belt, lbs.	65	81	97	105
Per foot	$0.80	.80	.80	.80
	CJ	CJ	CJ	CJ
Length, ft.		140	150	160
Width, in.		8	8	8
W't per belt, lbs.		113	122	130
Per foot		$0.80	.80	.80
		CJ	CJ	CJ

Six Ply, Chicago Brand.

Length, ft.	150	160
Width, in.	8	8
W't per belt, lbs.	175	187
Per foot	$1.20	1.20
	DC	DC
Length, ft.	150	160
Width, in.	9	9
W't per belt, lbs.	207	221
Per foot	$1.35	1.35
	EJ	EJ

Guaranteed equal to any canvas belting on the market.

In making endless belts three feet is used in making the lap, consequently the actual length available is three feet less than the listed length.

Add to the diameter of the roll in inches the diameter of the hole in the center of the roll. Multiply this sum by the number of coils in the roll, and this product by 1.32. The three figures on the left represent number of feet in the roll. This rule applies to any kind of belting, rubber, canvas or leather, and to any ply of belt.

For each additional inch in width, add per foot extra $0.24

List on double belting is twice list of single.

STEEL BELT LACING.

Entire Column, Discount AE%



"ALLIGATOR."

Requires No Tool but a Hammer.

No. 25—Box F, for medium and heavy single leather, 3 ply rubber or 4 ply cotton or balata or any make of belting ⅞ to 7-32 in. thick, box contains sufficient lacing for 48 in. in width of belting in 8 in. lengths, w't 1⅝ lbs., each $1.00

No. 25—Box G, contains sufficient lacing for 96 in. in width of belting in 12 in. lengths, w't 2¾ lbs., otherwise same as Box F .....each $2.00

No. 27—For 4 ply rubber and heavy 4 ply cotton belts 1⅛ to 9-32 in. thick, box contains sufficient lacing for 96 in. in width of belting in 12 in. lengths, w't 3½ lbs. .....each $2.25

No. 35—Box M, for light double leather, 5 ply rubber and 5 to 6 ply cotton or balata if not over 7/16 in. thick, for belts 9-32 to 7/16 in. thick, box contains sufficient lacing for 32 in. in width of belting in 8 in. lengths, w't 1¾ lbs., each $1.00

No. 35—Box N, contains sufficient lacing for 48 in. in width of belting in 12 in. lengths, w't 2½ lbs., each $1.50

No. 45—For heavy double leather, 6 ply rubber and 6 to 8 ply cotton or balata if not over 9/16 in. thick, for belts 11-32 to 9/16 in. thick, box contains sufficient lacing for 48 in. in width of belting in 12 in. lengths, w't 3⅛ lbs., each $2.00

The "Alligator" lacing is easily and quickly applied, and is furnished in lengths which may be readily broken to fit belting of any width. This hinge fastener may be run with either or both sides of belt in contact with pulleys, and gives an extremely strong and efficient joint.

PACKED IN BOXES COMPLETE WITH GAUGE PIN AND RAWHIDE HINGE PINS.

EXTRA HINGE PINS.

Twisted Rawhide.

Size.	No. Lacing.	Lengths, in.	Per Dozen.
1/8	25	8	$0.30
1/8	25	12	.45
9-64	27	12	.50
5-32	35	8	.35
5-32	35	12	.50
3-16	45	12	.60

Sectional Steel Rocker.

Size.	No. Lacing.	Lengths, in.	Per Dozen.
25	25	12	$0.45
27	27	12	.50
35	35	12	.50
45	45	12	.60

Above pins can be cut to suit requirements.

BELT HOOKS, STUDS AND LACING.

BELT HOOKS.



BROWN'S Wrought Steel, Pointed and Polished.

Nos.	10B	9B	8B	7B
Length, in...	1	1½	1⅛	1½
W't 1000, lbs.	4½	5¼	8	11¼
Per 1000	$3.50	4.00	5.00	6.00
	AAE	ACJ	AFJ	AIE
Nos.	6B	5B	4B	
Length, in. ...	1¾	2⅛	2½	
W't 1000, lbs...	14	21	25¼	
Per 1000	$8.50	11.00	14.00	
	BGE	JCEE	JDEJ	

NOS. 10 AND 9, THREE HUNDRED; NOS. 5 AND 4, ONE HUNDRED; BALANCE, TWO HUNDRED IN A BOX.



JONES', Best Quality Norway Iron, Beveled Points.

Nos.	10J	9J	8J	7J
Length, in...	⅜	1	1¼	1½
W't 1000, lbs.	4½	6	8	10¾
Per 1000	$3.50	4.00	5.00	6.00
	ACB	AEJ	AIJ	BBE
Nos.	6J	5J	4J	
Length, in.....	1⅛	1¼	2	
W't 1000, lbs...	13½	16½	20¾	
Per 1000	$8.50	11.00	14.00	
	CBJ	JDAE	JECJ	
Nos.	3J	2J	1J	
Length, in. ..	2⅛	2¼	2½	
W't 1000, lbs...	25½	31	37¾	
Per 1000	$16.00	20.00	30.00	
	JFJE	JGEE	AACD	

NO. 1, ONE HUNDRED; NOS. 2, 3 AND 4, TWO HUNDRED; NOS. 5, 6 AND 7, TWO HUNDRED FIFTY; BALANCE, FIVE HUNDRED IN A BOX.

BELT FASTENERS.



M. COVELL'S, Steel.

No. 0—For single leather and light rubber belts, w't per box ½ lb., per thousand .....ABJ $1.50

No. 1—For belts less than 4 ply, w't per box ¾ lb....per thousand ABJ $1.50

No. 2—For belts from 4 to 6 ply, w't per box 1 lb.....per thousand ABJ $1.50

No. 3—For belts from 6 to 10 ply, w't per box 1¼ lbs., per thousand .....ABJ $1.50

No. 4—For extra large belts, w't per box 1½ lbs. .....per thousand ABJ $1.50

Sharp pointed, can be driven into belt without first making a hole. There is a great demand for these.

TWO HUNDRED IN A BOX.

BELT LACING.



BRISTOL, Three Point.

No. 3100—For ⅛ to ⅛ in. thick, split leather and lightest rubber and cotton belts, w't per box ⅛ lb., per box .....BA $0.40

No. 310—For ⅛ to 5-32 in. thick, split leather and light rubber and cotton belts, w't per box ¼ lb., per box .....BG $0.50

No. 310½—For 5-32 to ⅜ in. thick, light single leather and two-ply rubber and cotton belts, w't per box ½ lb., per box .....CB $0.60

No. 311—For ⅜ to ¼ in. thick, ordinary single leather and three ply rubber and cotton belts, w't per box ⅝ lbs., per box.....CH $0.70

No. 312—For ¼ to ⅜ in. thick, extra heavy and wide single leather and four-ply rubber and cotton belts, w't per box 1½ lbs...per box JFJ $1.10

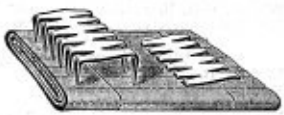
No. 313—For ⅜ to ⅜ in. thick, double leather and five ply rubber and cotton belts, w't per box 2 lbs., per box .....JIC $1.70

No. 314—For ⅜ to ⅞ in. thick, heavy double leather and six-ply rubber and cotton belts, w't per box 3¼ lbs., per box .....ABE $2.30

No. 315—For ⅞ to ⅜ in. thick, extra heavy double leather and seven-ply rubber and cotton belts, w't per box 4½ lbs. .....per box AIJ $3.50

A 3 point belt lacer means 3 points on one side.

FIFTY IN A BOX.



BRISTOL, Steel, Assorted Widths.

No. 12—For ¼ to ⅜ in. thick, four-ply rubber and cotton belts, w't per box 2⅜ lbs. .....per box AAJ $2.00

No. 13—For ⅞ to ⅜ in. thick, five-ply rubber and cotton belts, w't per box 4 lbs. .....per box ACE $2.50

No. 14.—For ⅜ to ⅞ in. thick, six-ply rubber and cotton belts, w't per box 5⅛ lbs.....per box AFJ $3.00

No. 15—For ⅞ to ⅞ in., thick, seven-ply rubber and cotton belts, w't per box 6⅞ lbs.....per box AIJ $3.50

ENOUGH TO LACE 100 INCHES OF BELT.

BELT LACING.



BRISTOL, Steel, Assorted Widths Three to Nine Points.

No. 0—For ⅛ to ⅞ in. thick split leather and light belts, w't per box ⅝ lbs., per box .....JEE $1.00

No. 01—For ⅞ to ¼ in. thick ordinary single leather belts, w't per box 1 lb., per box .....JHJ $1.50

No. 02—For ¼ to ⅞ in. thick extra heavy and wide single leather belts, w't per box 1⅞ lbs., per box .....AAJ $2.00

A 3 to 9 point belt lacer means 3 to 9 points on a side.

ENOUGH TO LACE 100 INCHES OF BELT.



BRISTOL, Steel Staggered Point, Assorted Widths Three to Nine Points.

No. 1100—For ⅛ to ⅛ in. thick, split leather and lightest rubber and cotton belts, w't per box ⅜ lbs., per box .....EJ $0.90

No. 110—For ⅝ to 5-32 in. thick, split leather and light rubber and cotton belts, w't per box ¾ lbs., per box .....JEE $1.00

No. 110½—For 5-32 to ⅞ in. thick, light single leather and two-ply rubber and cotton belts, w't per box 1⅛ lbs., per box .....JFE $1.25

No. 111—For ⅞ to ¼ in. thick, ordinary single leather belts and three-ply rubber and cotton belts, w't per box 1½ lbs. .....per box JHJ $1.50

No. 112—For ¼ to ⅞ in. thick, extra heavy and wide single leather and four-ply rubber and cotton belts, w't per box 2¼ lbs...per box AAJ $2.00

No. 113—For ⅞ to ⅜ in. thick, double leather and five-ply rubber and cotton belts, w't per box 3½ lbs., per box .....ACE $2.50

No. 114—For ⅜ to ⅞ in. thick, heavy double leather and six-ply rubber and cotton belts, w't per box 4¼ lbs., per box .....AFJ $3.00

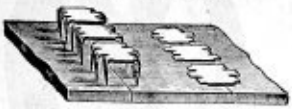
No. 115—For ⅞ to ⅞ in. thick for all kinds of belts, extra heavy double leather belts and seven-ply rubber and cotton belts, w't per box 5¼ lbs., per box .....AIJ $3.50

A 3 to 9 point belt lacer means 3 to 9 points on a side.

ENOUGH TO LACE 100 INCHES OF BELT.

BELT LACING, LACE LEATHER, BELT DRESSING, ETC.

BELT LACING.



STAG, Steel.

No. 00BS—For light leather, rubber or cotton belts, 1/8 to 3/16 in. thick, 3/4 to 3 in. wide, w't per 100 1/4 lb., per hundred .....JBJ $0.80

No. 0BS—For light leather, rubber or cotton belts, 1/8 to 1/8 in. thick, 1/2 to 3 in. wide, w't per 100 1/2 lb., per hundred .....JBE $1.00

No. 1BS—For single leather, 3 ply rubber or cotton belts, 1 to 5 in. wide, w't per 100 3/4 lb. .....per 100 JCJ $1.20

No. 2BS—For heavy single or light double leather, 4 ply rubber or cotton belts, 1 to 8 in. wide, w't per 100 1 1/4 lbs. .....per hundred JEE $2.00

No. 3BS—For double leather, 4 to 6 ply rubber or cotton belts, 1 to 12 in. wide, w't per 100 2 1/4 lbs., per hundred .....JIJ $3.40

No. 4BS—For heavy double leather, 6 to 8 ply rubber or cotton belts, 1 in. wide and up, w't per 100 3 1/8 lbs., per hundred .....ABJ $5.02

No. 5BS—For extra heavy double leather, 6 to 8 ply rubber or cotton belts, 1 1/2 in. wide and up, w't per 100 6 1/2 lbs. .....per hundred BJJ $8.00

The zigzag principle insures a strong and elastic joint and at the same time will run over the smallest pulley without strain on the belt where the teeth enter.

The eight sizes of the Stag cover the entire range from the lightest belt 1/8 in. wide to the widest heavy double belt, one size being sufficient for all belts of the same thickness.

It is quicker to apply. You can cut your belt and have it running in less time than it takes to punch holes for lacing.

NO. 00, TWO; BALANCE, ONE HUNDRED IN A BOX.



REVONOC Wire.

No. 20 REVONOC—For belts from 1 to 2 1/2 in., w't per box 1/4 lb., per box .....BE $0.36

No. 21 REVONOC—For single belts 5 in. and under, w't per box 1/4 lb., per box .....BE $0.36

No. 22 REVONOC—For all single belts wider than 5 in., also for all double belts under 8 in., w't per box 3/4 lb., per box .....BE $0.36

No. 23 REVONOC—For all double belts above 8 in. in width, w't per box 1/2 lb. .....per box BE $0.36

Is a genuine LX composition wire lacing of silver color. It possesses all the qualifications needed to make it in every respect adapted to the purpose. Its tensile strength being 2,000 lbs. it will stand a far greater strain than is even estimated in the driving capacity of a belt.

FIFTY FEET IN A BOX.

LACE LEATHER.



No. 30 REVONOC—Rawhide—			
Width, in.	3/4	7/8	3/8
W't per 100 ft., lbs..	3/4	1	1 1/4
Per 100 ft. $1.25	1.50	1.75	
	JIJ	AAJ	ABE
Width, in.	1/2	5/8	3/4
W't per 100 ft., lbs..	2	2 1/2	3 1/4
Per 100 ft. $2.25	3.00	3.75	
	AFJ	BAE	BGJ

ONE HUNDRED FEET IN A BUNDLE.

No. 32 REVONOC—Blue Chrome—			
Width, in.	1/4	5/8	3/8
Per 100 ft. $1.25	1.50	1.75	
	JIJ	AAE	ABE
Width, in.	1/2	3/4	1/2
Per 100 ft. $2.25	3.00	3.75	
	AFJ	BAE	BGJ

This tannage gives greater service than leather of any other kind. Will always remain pliable and soft, even when exposed to steam moisture, etc. Can be used with smaller holes than any other lace.

ONE HUNDRED FEET IN A PACKAGE.



Sides.

No. 31 REVONOC—Rawhide Sides, extra quality, sides contain 18 to 22 sq. ft., average w't per side 7 to 10 lbs., per square foot .....DJ $0.60

No. 33 REVONOC—Blue Chrome Sides, contain from 9 to 14 sq. ft., closely trimmed .....per square foot CE $0.60

LACE LEATHER CUTTERS.



No. 6—Japanned, adjustable knife to cut 1/8 to 3/4 in. wide and any thickness to 1/8 in., w't per doz. 3 lbs., per dozen .....DHJ $7.50

ONE DOZEN IN A BOX.

WASHER CUTTERS.



No. 350—Extra quality, heavy, polished, with 2 thumb screws, w't per doz. 8 lbs. .....per dozen JIJJ $15.00

ONE-HALF DOZEN IN A BOX.

STICK BELT DRESSING.



REVONOC—1 lb. sticks ..per lb. CJ $0.50

Made from grease extracted from sheep's wool, the purest and best animal grease obtainable. It is the natural color of the wool fat which is brown.

Black belt dressing contains pitch, pine tar or asphaltum which being a sticky compound is very injurious to the belt.

REVONOC *dressing restores to the leather natural fats and oils lost in process of tanning, thereby making a soft and pliable non-slip belt.* REVONOC *dressing, being in stick form in this cardboard tube, on being held against moving belt, friction melts and spreads it. Cardboard of tube eliminates dust and prevents dressing from melting too fast. Being applied directly to belt and warmed by friction it penetrates the leather. No waste, no time lost melting, suitable for leather, rubber, canvas and cotton belts.*

Absolutely guaranteed to prevent slippage.

ONE DOZEN IN A CASE.

HOT BELT DRESSING.



REVONOC—5 lb. cans, per pound BH $0.45

The most perfect dressing made for leather belts. Preserves the leather and lengthens lift of belt by rendering it soft and pliable. Being neither sticky or gummy, dirt will not adhere to it.

BELT CEMENT.



REVONOC—1 lb. cans, per lb. JFJ $1.00

The only belt cement made whereby a belt can be put back into service in thirty minutes after making joint without the use of a press. Made from the finest gelatines procurable. On account of its greater adhesive qualities it takes a lesser quantity to make the joint, which after being made is as soft and pliable as any part of the belt.

ONE DOZEN CANS IN A CASE.

GILBERT WOOD SPLIT PULLEYS.



Style "C."

Sizes 4 to 12 Inches.

Entire page EG%.

Made entirely of thoroughly seasoned maple and finished with two coats of shellac varnish. By using different bushings, the same pulley may be made to fit different sizes of shafting.

Style "B" Pulley—Rim is both nailed and glued. Each spoke is securely dovetailed into and glued in the rim, and is set in a line running direct from the center of shaft to the rim—thus affording its utmost support. Perfectly balanced and cannot get out of round. Furnished with the only bushing that gives a perfect bearing on the entire circumference of the shaft.

Style "C" Pulley—Bolted together—nuts on the clamping bolts being covered with sectional blocks which cannot get out of place. When putting the pulley on a shaft, all its parts are accessible from the face.



Style "B."

Sizes 12 to 72 Inches.

STANDARD LIST OF STYLES "B" AND "C."

In ordering state—style, diameter, width of face, exact size of shaft, kind of face—crown or flat—**unless otherwise specified,** crown face will be sent.

Diam. Inches	Width of Face, Inches. 3	4	5	6	8	10	12	14	16	18	20	22	24	Diam. Inches
							STYLE "C."							
4	$ 2.80	$ 2.90	$ 3.10	$ 3.30	$ 3.70	$ 4.10	$ 4.50	.....	.....	.....	.....	.....	.....	4
5	2.85	2.95	3.20	3.40	3.85	4.30	4.75	.....	.....	.....	.....	.....	.....	5
6	2.90	3.00	3.25	3.50	4.00	4.50	5.00	.....	.....	.....	.....	.....	.....	6
7	2.95	3.05	3.35	3.60	4.15	4.70	5.25	$ 5.80	.....	.....	.....	.....	.....	7
8	3.00	3.10	3.40	3.70	4.30	4.90	5.50	6.10	.....	.....	.....	.....	.....	8
9	3.10	3.25	3.60	3.90	4.55	5.20	5.85	6.50	.....	.....	.....	.....	.....	9
10	3.25	3.40	3.75	4.10	4.80	5.50	6.20	6.90	$ 7.60	.....	.....	.....	.....	10
11	3.50	3.70	4.10	4.50	5.30	6.10	6.90	7.70	8.50	.....	.....	.....	.....	11
12	3.75	4.00	4.45	4.90	5.80	6.70	7.60	8.50	9.40	$10.30	.....	.....	.....	12
							STYLE "B."							
12	3.75	4.00	4.45	4.90	5.80	6.70	7.60	8.50	9.40	$10.30	.....	.....	.....	12
13	....	4.30	4.80	5.30	6.30	7.30	8.30	9.30	10.30	11.30	.....	.....	.....	13
14	....	4.60	5.15	5.70	6.80	7.90	9.00	10.10	11.20	12.30	$13.40	.....	.....	14
15	....	4.90	5.50	6.10	7.30	8.50	9.70	10.90	12.10	13.30	14.50	.....	.....	15
16	....	5.20	5.85	6.50	7.80	9.10	10.40	11.70	13.00	14.30	15.60	$16.90	.....	16
17	....	5.50	6.20	6.90	8.30	9.70	11.10	12.50	13.90	15.30	16.70	18.10	.....	17
18	....	5.80	6.55	7.30	8.80	10.30	11.80	13.30	14.80	16.30	17.80	19.30	$20.80	18
19	....	6.10	6.90	7.70	9.30	10.90	12.50	14.10	15.70	17.30	18.90	20.50	22.10	19
20	....	6.40	7.25	8.10	9.80	11.50	13.20	14.90	16.60	18.30	20.00	21.70	23.40	20
22	....	7.00	7.95	8.90	10.80	12.70	14.60	16.50	18.40	20.30	22.20	24.10	26.00	22
24	....	7.70	8.80	9.90	12.10	14.30	16.50	18.70	20.90	23.10	25.30	27.50	29.70	24
26	....	8.40	9.65	10.90	13.40	15.90	18.40	20.90	23.40	25.90	28.40	30.90	33.40	26
28	....	9.10	10.50	11.90	14.70	17.50	20.30	23.10	25.90	28.70	31.50	34.30	37.10	28
30	....	9.80	11.35	12.90	16.00	19.10	22.20	25.30	28.40	31.50	34.60	37.70	40.80	30
32	....	10.50	12.20	13.90	17.30	20.70	24.10	27.50	30.90	34.30	37.70	41.10	44.50	32
34	....	11.30	13.15	15.00	18.70	22.40	26.10	29.80	33.50	37.20	40.90	44.60	48.30	34
36	....	12.10	14.10	16.10	20.10	24.10	28.10	32.10	36.10	40.10	44.10	48.10	52.10	36
38	....	.....	.....	17.20	21.50	25.80	30.10	34.40	38.70	43.00	47.30	51.60	55.90	38
40	....	.....	.....	18.30	22.90	27.50	32.10	36.70	41.30	45.90	50.50	55.10	59.70	40
42	....	.....	.....	19.60	24.60	29.60	34.60	39.60	44.60	49.60	54.60	59.60	64.60	42
44	....	.....	.....	20.90	26.30	31.70	37.10	42.50	47.90	53.30	58.70	64.10	69.50	44
46	....	.....	.....	22.30	28.10	33.90	39.70	45.50	51.30	57.10	62.90	68.70	74.50	46
48	....	.....	.....	23.80	30.00	36.20	42.40	48.60	54.80	61.00	67.20	73.40	79.60	48
50	....	.....	.....	25.40	32.00	38.60	45.20	51.80	58.40	65.00	71.60	78.20	84.80	50
52	....	.....	.....	27.10	34.10	41.10	48.10	55.10	62.10	69.10	76.10	83.10	90.10	52
54	....	.....	.....	28.90	36.30	43.70	51.10	58.50	65.90	73.30	80.70	88.10	95.50	54
56	....	.....	.....	30.80	38.60	46.40	54.20	62.00	69.80	77.60	85.40	93.20	101.00	56
58	....	.....	.....	32.80	41.00	49.20	57.40	65.60	73.80	82.00	90.20	98.40	106.60	58
60	....	.....	.....	34.90	43.50	52.10	60.70	69.30	77.90	86.50	95.10	103.70	112.30	60
62	....	.....	.....	37.10	46.10	55.10	64.10	73.10	82.10	91.10	100.10	109.10	118.10	62
64	....	.....	.....	39.40	48.80	58.20	67.60	77.00	86.40	95.80	105.20	114.60	124.00	64
66	....	.....	.....	41.90	51.80	61.70	71.60	81.50	91.40	101.30	111.20	121.10	131.00	66
68	....	.....	.....	44.50	54.90	65.30	75.70	86.10	96.50	106.90	117.30	127.70	138.10	68
70	....	.....	.....	47.20	58.10	69.00	79.90	90.80	101.70	112.60	123.50	134.40	145.30	70
72	....	.....	.....	50.00	61.40	72.80	84.20	95.60	107.00	118.40	129.80	141.20	152.60	72

It has been clearly demonstrated by practical experience that maple presents a better surface than any other wood adaptable for pulleys. It is very hard, close and fine grained. The face of a maple pulley in use soon takes a high polish, which gives more perfect contact to belt, thereby enabling it to transmit the same power with less tension.

Reducing the tension prolongs the life of the belt, and effects a great saving in power by reducing the friction of the journal and the strain on the shafting. From the way in which they are constructed, Gilbert pulleys cannot get out of round, and must excel all other kinds of wooden pulleys in correctness of balance and trueness of running.

These pulleys meet with little atmospheric resistance, as the spokes are set to cut the air, not to fan it and collect dust, as the spokes of many other pulleys do. This makes a greater difference in the power required than is generally supposed.

Can be put on or taken off the shaft very easily, simply and quickly. Will withstand a greater degree of heat or of moisture than other wood pulleys, on account of the material of which they are made and the way in which they are built and finished.

Will also with stand more severe shocks and greater compression than any other pulleys.

They have the only perfect compression shaft fastening. The wood takes a tighter hold on the shaft than set screws do, but, unlike them, does not injure the shaft. On all the pulleys over 14 inches in diameter, plates are used instead of washers for the nuts on hub clamping bolts, thus distributing the compression over the entire length of the hub.

*GILBERT MOTOR PULLEYS.

EJ%★.



Built for lasting efficient service. Face of the pulley will not eat out and lose its pull on the belt, metal sleeve will not work loose from the wooden body. Absolutely true, and accurately balanced. Made of the finest grade of selected Michigan hard maple, air-seasoned three years in our own sheds, and then kiln-dried. Put through a case-hardening process to prevent action of moisture and finished with two coats of spar varnish.

The sleeve is carefully machined to fit the bore in the body, and is then forced into the body under pressure, where it is held in place by the body-fastening screws, the heads of which are dowelled over, and by the set screws.

Directions for Ordering.

Always be careful to give specifications in the following order—
Diameter and width of face, Bore, Length of Sleeve, Location of Sleeve, Keyway.

Dia.	Face.	Each.
2	2	$4.30
	3	4.40
	4	4.50
	5	4.70
	6	5.00
2½	2	4.40
	3	4.50
	4	4.60
	5	4.80
	6	5.15
3	2	4.50
	3	4.60
	4	4.70
	5	4.90
	6	5.25
	7	5.65
3½	2	4.60
	3	4.70
	4	4.80
	5	5.00
	6	5.35
	7	5.75

Dia.	Face.	Each.
4	2	$4.70
	3	4.80
	4	4.90
	5	5.15
	6	5.45
	7	5.90
	8	6.40
4½	2	4.80
	3	4.90
	4	5.00
	5	5.25
	6	5.55
	7	6.00
	8	6.50
	9	7.15
5	2	4.90
	3	5.00
	4	5.15
	5	5.35
	6	5.65
	7	6.10
	8	6.65

Dia.	Face.	Each.
5	9	$7.25
	10	8.00
5½	2	5.00
	3	5.15
	4	5.25
	5	5.45
	6	5.75
	7	6.20
	8	6.75
	9	7.40
	10	8.10
6	4	6.80
	5	7.30
	6	7.80
	7	8.30
	8	8.80
	9	9.30
	10	9.80
	11	10.30
	12	10.80
7	4	6.95
	5	7.48

Dia.	Face.	Each.
7	6	$8.00
	7	8.53
	8	9.05
	9	9.58
	10	10.10
	11	10.63
	12	11.15
8	4	7.10
	5	7.65
	6	8.20
	7	8.75
	8	9.30
	9	9.85
	10	10.40
	11	10.95
	12	11.50
9	4	7.30
	5	7.88
	6	8.45
	7	9.03
	8	9.60
	9	10.18

Dia.	Face.	Each.
9	10	$10.75
	11	11.33
	12	11.90
10	4	7.50
	5	8.10
	6	8.70
	7	9.30
	8	9.90
	9	10.50
	10	11.10
	11	11.70
	12	12.30
11	4	7.70
	5	8.33
	6	8.95
	7	9.58
	8	10.20
	9	10.83
	10	11.45
	11	12.08
	12	12.70

SPRING COTTERS.

Discount IJ-DJ%.





Price List Adopted Jan. 1, 1906.

Size, in.	3-32x¾	3-32x1	⅛x1¼	⅛x1½	⅛x1¾	⅛x1½	⅛x1¾	¼x2	¼x2½
W't per 1,000, lbs.	2	2½	4	6	7	14	15	16	20	22
Per 1,000	$4.15	4.80	6.70	7.55	8.40	14.50	16.20	$17.90	19.60	23.00
Number in box	1000	1000	1000	1000	1000	1000	1000	1000	500	500
Size, in.		⅛x3	¼x1½	¼x1¾	¼x2	¼x2½	¼x3	⅛x2	⅛x2½	⅛x3
W't per 1,000, lbs.		24	20	28	32	36	40	54	56	66
Per 1,000		26.40	27.00	30.50	34.00	$41.00	48.00	52.50	62.50	72.50
Number in box		500	500	500	500	500	250	250	250	250
Size, in.	⅜x2	⅜x2¼	⅜x2½	⅜x3	⅜x3½	½x3	½x3½	⅝x3	⅝x3½
W't per 1,000, lbs.	77½	82½	90	100	110	175	225	350	400
Per 1,000	86.40	93.60	$100.80	115.20	129.60	208.50	238.50	384.00	424.00
Number in box	250	250	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk

Assorted Sizes.

No. 95—Assorted sizes, 20 only ¼x1¼ in., 20 only ⅛x1¾ in., 15 only ⅛x1½ in., 15 only ¼x1¾ in., 10 only ¼x1¾ in., 10 only ¼x2 in., 10 only ⅛x2½ in., 100 in a box, w't 1½ lbs. ..... per box $2.85

No. 96—Assortment, box contains 1 only ⅛x1¾ in., 3 only ¼x1¾ in., 5 only ⅛x1½ in., 5 only ⅛x1¾ in., 3 only 7-64x1 in., per box $0.10

Spring cotters are measured from under the eye to the point, the available length.

★*F. O. B. FACTORY SHIPMENT ONLY.*

RIVETS.

SLOTTED OR BIFURCATED CLINCH RIVETS.



Coppered Annealed Steel, Assorted Sizes in Cartons.

No. 5—Oval head, assorted 4-16 to 8-16 in., 100 in a paper box, 12 boxes in a carton, w't 2¾ lbs., per carton .....DH $0.94

No. 6—Oval head, coppered, assorted 4-16 to 8-16 in., 50 in a paper box, 12 boxes in a carton, w't 1½ lbs., per carton .....CA $0.70

No. 3—Oval head, assorted 4-16 to 8-16 in., 100 in a tin box, 12 boxes in a carton, w't 2¾ lbs., per carton .....JED $1.10

Coppered Annealed Steel, Fifty of a Size in a Paper Box.

Nos.	704	705	706
Length, in.	4-16	5-16	6-16
W't per carton, lbs.	1½	1¼	1¼
Per carton	$0.80	.80	.90
	EJ	EJ	EE
Nos.	708	710	
Length, in.	8-16	10-16	
W't per carton, lbs.	1¾	2	
Per carton	$0.90	1.00	
	EE	JFJ	

ONE DOZEN BOXES IN A CARTON.



Coppered Annealed Steel, 1,000 of a Size in a Box.

Nos.	603	604	605	606
Length, in.	3-16	4-16	5-16	6-16
Per 1,000	$1.20	1.20	1.20	1.36
	JGJ	JGJ	JGJ	JHJ
Nos.	607	608	610	612
Length, in.	7-16	8-16	10-16	12-16
Per 1,000	$1.36	1.36	1.52	1.68
	JHJ	JHJ	JIJ	AJJ

WE DO NOT BREAK BOXES.

TUBULAR RIVETS.



Assorted in Cartons.

No. 1—Japanned, assorted 3/32 to ¼ in., 50 in a box, 12 boxes in a carton, w't 1 lb. .....per dozen CD $0.76

No. 2—Coppered, assorted 3/32 to ⅓ in., 50 in a box, 12 boxes in a carton, w't 1 lb. .....per dozen CD $0.76

No. 11—Japanned, assorted 3/32 to ⅓ in., 100 in a box, 12 boxes in a carton, w't 2 lbs. .....per carton JFJ $1.40

No. 13—Coppered, assorted 3/32 to ⅓ in., 100 in a box, 12 boxes in a carton, w't 2 lbs. .....per carton JFJ $1.40

WE DO NOT BREAK CARTONS.

TUBULAR RIVETS.



Factory No. 1.

Japanned, 50 of a Size in a Box.

Nos.	104	105	106	107
Length, in.	4-16	5-16	6-16	7-16
Per carton	$1.10	1.10	1.20	1.30
	JFE	JFE	JGJ	JHJ
Nos.	108	110	112	
Length, in.	8-16	10-16	12-16	
Per carton	$1.40	1.60	1.80	
	JHE	JIE	AAJ	

ONE DOZEN BOXES IN A CARTON.

Japanned, 1,000 of a Size in a Box.

Nos.	203	204	205	206
Length, in.	3-16	4-16	5-16	6-16
Per 1,000	$1.50	1.50	1.50	1.60
	JIJ	JIJ	JIJ	JIE
Nos.	207	208	209	210
Length, in.	7-16	8-16	9-16	10-16
Per 1,000	$1.80	2.00	2.10	2.30
	AAJ	ABJ	ABJ	ADJ
No.	212			
Length, in.	12-16			
Per 1,000	$2.60			
	AEE			

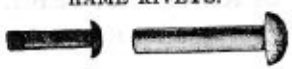
Coppered, 1,000 of a Size in a Box.

Nos.	304	305	306
Length, in.	4-16	5-16	6-16
Per 1,000	$1.50	1.50	1.60
	JIJ	JIJ	JIE
Nos.	307	308	310
Length, in.	7-16	8-16	10-16
Per 1,000	$1.80	2.00	2.30
	AAJ	ABJ	ADJ

1,000 Assorted Sizes in a Box.

No. 325—Japanned, assorted 3-16 to 8-16 in. .....per thousand AJJ $1.70

HAME RIVETS.



Soft Iron. Capped.

No. 7—¾, ⅞, 1 and 1¼ in., soft iron, per pound .....JH $0.14

ONE DOZEN IN A BOX.

REPAIR RIVETS WITH BURRS.



Coppered Iron, Assorted Lengths in a Box.

No. 08—Size 8, ½ lb. boxes, assorted ⅛ to ¾ in. .....per dozen JFE $1.45

No. 084—Size 8, ¼ lb. boxes, assorted ⅛ to ¾ in. .....per dozen CE $0.82

No. 09—Size 9, ½ lb. boxes, assorted ⅛ to ¾ in. .....per dozen JGJ $1.50

No. 094—Size 9, ¼ lb. boxes, assorted ⅛ to ¾ in. .....per dozen CE $0.85

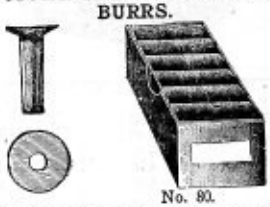
COPPER BRAKE BAND RIVETS.



Solid Copper, In One Pound Boxes.

Nos.	7	8	9	10
Length, in.	⅜	⅜	⅜	⅜
Diam. of shank, in.	.184	.169	.152	.138
Per pound	$0.50	.52	.54	.58

COPPER BELT RIVETS AND BURRS.



No. 80.

Solid Copper, Assorted Sizes in Cartons.

No. 80—Size 8, ¼ lb. boxes assorted ⅜ to ¾ in., 12 boxes in a carton, per carton $1.74

No. 90—Size 9, ¼ lb. boxes, assorted ⅜ to ¾ in., 12 boxes in a carton, per carton $1.80

WE DO NOT BREAK CARTONS.

Solid Copper, One Size in a Box. In One Pound Boxes.

No. 7—Sizes, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound $0.49

No. 8—Sizes ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound $0.50

No. 9—Sizes ⅜, ½, ⅝, ¾, ⅞, 1 and 1¼ in. .....per pound $0.52

No. 10—Sizes ⅜, ½, ⅝, ¾, ⅞ and 1 in., per pound $0.54

No. 12—Sizes ¼, ⅜, ½, ⅝, ¾ and 1 in., per pound $0.58

In One-Half Pound Boxes.

No. 7—Sizes ½, ⅝, ¾, ⅞ and 1 in., per pound $0.52

No. 8—Sizes ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound $0.53

No. 9—Sizes ⅜, ½, ⅝, ¾, ⅞, 1 and 1¼ in. .....per pound $0.55

No. 10—Sizes ⅜, ½, ⅝, ¾, ⅞ and 1 in., per pound $0.57

No. 12—Sizes ¼, ⅜, ½, ⅝, ¾ and 1 in., per pound $0.61

Solid Copper, Assorted Sizes, in Half-Pound Boxes.

No. 7—Sizes ⅜ to ¾ in., per pound $0.55
No. 8—Sizes ⅜ to ¾ in., per pound .56
No. 8—Sizes ⅜ to 1 in., per pound .56
No. 9—Sizes ⅜ to ¾ in., per pound .58
No. 9—Sizes ⅜ to 1 in., per pound .58
No. 10—Sizes ⅜ to ¼ in., per pound .60
No. 12—Sizes ⅜ to ¼ in., per pound .64

ONE HUNDRED POUNDS IN A CASE.

Number of Copper Belt Rivets and Burrs to the Pound.

Nos.	7	8	9	10	12
¼ in.	211	284	365	411	545
⅜ in.	171	227	276	336	400
½ in.	150	178	228	275	325
⅝ in.	132	156	184	223	292
¾ in.	110	136	169	206	257
⅞ in.	97	116	156	180	221
1 in.	91	100	133	162	185
1¼ in.	72	88	113	...	...
1½ in.	63	71	99	...	...
Burrs	368	417	620	820	1167

Showing Greatest Diameter of Shank on Copper Rivets and Burrs.

Nos.	7	8	9	10	12
Ins.	.184	.169	.152	.138	.122

TIE OUT CHAINS AND COW TIES.

TIE-OUT OR PICKET CHAINS.



Bull Dog Brown or Tenso Pattern Steel Links, Galvanized, Rust-Proof Finish with Ring, Swivel and Snap.

Nos.	Size.	Length, ft.	No. of Swivels.	W't per doz. lbs.	Per dozen.
320	000	20	1	50	JFJJ $12.00
330	000	30	2	72	JHAJ 16.50
220	00	20	1	40	JDHJ 9.50
230	00	30	2	60	JFIJ 14.00
020	0	20	1	33	JCIJ 8.00
030	0	30	2	47	JEGJ 12.00
120	1	20	1	25	JCCE 7.50
130	1	30	2	37	JDHJ 10.50

Bull Dog, Tenso or Brown Pattern, Steel Links, Bright Finish, with Ring, Swivel and Snap.

Nos.	Length, ft.	No. of Swivels.	W't per doz. lbs.	Per dozen.
000	30	2	72	JECE $8.25
00	20	1	42	JCAJ 4.75
00	30	2	64	JDEE 7.00
0	20	1	32	JBFJ 4.00
0	30	2	48	JCIJ 6.00
1	20	1	26	JBDJ 3.75
1	30	2	39	JCDJ 5.25

ONE IN A PACKAGE.

COW TIES.



Ohio Pattern, Electric Welded, Two Toggle, Straight Link, Galvanized, Rust-Proof Finish, Steel Wire, Superior in Welds, Appearance and Strength.

No. W24 —Size 00, 4½ ft. long, w't per doz. 17 lbs., per dozen ..... ADE $3.70

No. W34 —Size 000, 4½ ft. long, w't per doz. 19 lbs., per dozen ..... AFJ $3.90

No. W25 —Size 00, 5 ft. long, w't per doz. 20 lbs., per dozen ..... AFJ $3.90

No. W35 —Size 000, 5 ft. long, w't per doz. 22 lbs., per dozen ..... AHJ $4.10



Ohio Pattern, Two Toggle, Bright Steel Wire, Welded.

No. 102 —00, entire length 4½ ft., No. 6 Wire gauge, w't per doz. 19 lbs. ..... per dozen AFJ $3.70

No. 103 —000, entire length 4½ ft., No. 5 wire gauge, w't per doz. 22 lbs. ..... per dozen AHJ 3.90

No. 112 —00, entire length 5 ft., No. 6 wire gauge, w't per doz. 24 lbs. ..... per dozen AHJ $3.90

No. 113 —000, entire length 5 ft., No. 5 wire gauge, w't per doz. 24 lbs. ..... per dozen BJJ $4.10

No. 114 —0000, entire length 5 ft., No. 4 wire gauge, w't per doz. 26 lbs. ..... per dozen BAE $4.40



EUREKA, Weldless, Ohio Pattern, Two Toggle, Cold Drawn Bright Steel Wire.

No. E25—00, 5 ft. long, w't per doz. 13 lbs., per dozen ..... AAJ $1.60

No. E35—000, 5 ft. long, w't per doz. 15 lbs., per dozen ..... ABJ $1.90

ONE DOZEN IN A BUNDLE.

WELDLESS AND GERMAN CHAIN.

LOCK-LINK COIL.

Triumph or Samson Pattern.



Strongest type of weldless wire chain on the market. Twice as strong as welded chain. Adaptable to users of various manufactures, including farming machinery, wagons, porch swings, anti-skid devices, etc.

Bright, in 100 Foot Boxes.

No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
000	.148	9	26	BAJ	$3.25
00	.135	10	20¼	AFJ	2.50
0	.120	11	17	AEJ	2.30
1	.105	12	13	ACJ	2.00
2	.092	13	10	ABJ	1.80
3	.080	14	8	AJJ	1.60
4	.072	15	6½	JIE	1.50

Galvanized on 250 Foot Reels.

No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
000	.148	9	28	CJJ	$6.50
00	.135	10	22	BDJ	5.00

Galvanized, in 100 Foot Boxes.

0	.120	11	18	BAJ	$4.60
1	.105	12	14	AHJ	$4.00

WE DO NOT BREAK 100 FOOT BOXES.

TENSO COIL.

Brown or Bull Dog Pattern.



The most popular weldless chain on the market. Differs from lock link chain in that both ends of link are identical in shape, the planes at right angles to each other, the tie at the center. The neatest, lightest chain, size for size, of any weldless wire chain, its uniformity and smoothness making it peculiarly adaptable to a wide variety of purposes. Used extensively for porch swings, hammock chains, boat chains, tie outs, etc.

Bright, in 100 Foot Boxes.

No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
000	.148	9	20	AFJ	$2.50
00	.135	10	17	ACJ	2.00
0	.120	11	12½	AAE	1.75
1	.105	12	10	AJJ	1.60
2	.092	13	8	JIE	1.50

Galvanized on 250 Foot Reels.

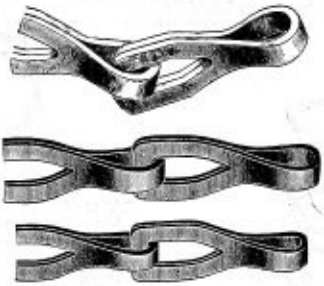
No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
000	.148	9	21	BCE	$5.00
00	.135	10	18	AIJ	4.00

Galvanized, in 100 Foot Boxes.

0	.120	11	14	AFJ	$3.50
1	.105	12	11	ADE	3.20

WE DO NOT BREAK 100 FOOT BOXES.

AMERICAN BRIGHT COIL.



No. 000—W't per 100 ft. 17 lbs., per hundred feet ..... **CBE** $5.00

No. 00—W't per 100 ft. 16½ lbs., per hundred feet ..... **BHJ** $4.40

No. 0—W't per 100 ft. 12 lbs., per hundred feet ..... **BDJ** $3.75

No. 1—W't per 100 ft. 11 lbs., per hundred feet ..... **BCJ** $3.50

No. 2—W't per 100 ft. 9½ lbs., per hundred feet ..... **BJE** $3.15

No. 3—W't per 100 ft. 9 lbs., per hundred feet ..... **AHE** $2.90

No. 4—W't per 100 ft. 8 lbs., per hundred feet ..... **AGE** $2.70

100 FEET IN A BOX.

WE DO NOT BREAK BOXES.

AMERICAN GALVANIZED COIL.



No. 1—W't per 100 ft. 13 lbs., per hundred feet ..... **CFJ** $7.00

Especially intended to be used on electric light poles, for arc lamp suspension, in place of wire cable, hemp or cotton cords. It is low in price and will last two or three times as long as any substitute now in use. This size will fit perfectly Bradley, Fletcher or Cutter poles.

1,000 FEET ON A REEL.

FURNACE.



No. 7—Size 0, coppered, w't per 100 ft. 2¼ lbs...per hundred feet **AAJ** $3.50

No. 70—Size 0, galvanized, w't per 100 ft. 2¼ lbs...per hundred feet **ABJ** $4.50

No. 700—Size 0, bright, w't per 100 ft. 2¼ lbs...per hundred feet **JIE** $2.50

100 FEET IN A BOX.

WE DO NOT BREAK BOXES.

GERMAN BRIGHT COIL.

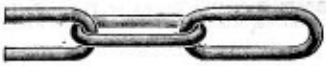


Twist Link, Welded.

No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
00000	.250	3	51	JCCE	$15.50
0000	.219	4	37	JBIJ	13.00
000	.207	5	36	JBDJ	11.00
00	.192	6	29	JBCJ	10.00
0	.177	7	21	BAE	8.80
1	.162	8	19½	BJE	7.80
2	.148	9	15	AIJ	7.20
3	.135	10	10½	AHE	6.80
4	.120	11	8¾	AHJ	6.60
5	.105	12	7	AGE	6.50

100 FEET IN A PACKAGE.

WE DO NOT BREAK 100 FOOT PACKAGES.



Straight Link, Welded.

No.	Decimal Gauge.	A.S.&W. Gauge.	W't per 100 ft. lbs.		Per 100 ft.
000	.027	5	30	JBDJ	$11.00
00	.192	6	22	JBCJ	10.00
0	.177	7	21	BAE	8.80

100 FEET IN A PACKAGE.

WE DO NOT BREAK 100 FOOT PACKAGES.

GERMAN BRIGHT "PASSING LINK" COIL.



No. 92—Size 00—about $\frac{3}{16}$ in.—links measure $\frac{7}{8}$x$\frac{1}{4}$ in. inside, w't per 100 ft. 33 lbs., per 100 feet **JCHJ** $13.00

No. 95—Size 0000—about 15-64 in.—links measure 17-32x$\frac{1}{8}$ in. inside, w't per 100 ft. 45 lbs., per 100 ft. **JDEJ** $15.00

100 FEET IN A PACKAGE.

WE DO NOT BREAK 100 FOOT PACKAGES.

GERMAN BRIGHT MACHINE.

Short Twist Link, Welded.



No.	No. of Wire.	Links per ft.	W't per 100 ft. lbs.		Per 100 ft.
000	5	14	40	JEGJ	$14.00
00	6	15	33	JEDJ	13.00
0	7	15½	29	JEAJ	12.50
1	8	16	24	JDHJ	12.00

100 FEET IN A PACKAGE.

WE DO NOT BREAK 100 FOOT PACKAGES.

HALTER AND LINK BELT CHAINS.

RUST PROOF HALTER.

Bull Dog, Brown or Tenso Pattern.



chains are made from hard drawn basic steel wire galvanized, so that the links are not only alike in appearance, but alike in hardness, resulting in uniform strength and durability. They are absolutely rust-proof.

	Decimal gauge.	W't per doz. lbs.	4½ Ft., per doz.		W't per doz. lbs.	6 Ft. per doz.	
No. 000	.148	12½	BAJ	$4.50	16¼	BFJ	$5.50
No. 00	.135	10	AGE	3.80	13½	BBJ	4.80
No. 0	.120	8	AEJ	3.40	10½	BJJ	4.30
No. 1	.105	6¼	ACJ	3.00	8	AGJ	3.80
No. 2	.092	5¼	ABJ	2.90	6¼	AEE	3.60
No. 3	.080	4	AAE	2.70	5¼	ADE	3.30
No. 4	.072	3¼	AAJ	2.60	4	ADJ	3.20
No. 5	.063	3	AJJ	2.40	3¼	ACJ	3.00
No. 6	.054	2¼	JIE	2.20	2¼	ABE	2.80

BRIGHT HALTER.

Bull Dog, Brown or Tenso Pattern.

	Decimal gauge.	W't per doz. lbs.	4½ Ft., per doz.		W't per doz. lbs.	6 Ft. per doz.	
No. 000	.148	16	AFJ	$2.25	21	BJJ	$2.75
No. 00	.135	13	ADJ	1.90	17	AGE	2.40
No. 0	.120	10	ABJ	1.70	13	AEE	2.15
No. 1	.105	8	AAJ	1.50	10½	ADJ	1.90
No. 2	.092	6½	AJJ	1.45	8	ACJ	1.80
No. 3	.080	5	JIE	1.35	7½	ABJ	1.65
No. 4	.072	4	JIJ	1.30	5	AAE	1.60
No. 5	.063	3½	JHE	1.20	4½	AAJ	1.50
No. 6	.054	2½	JHJ	1.10	3¼	AJJ	1.40

Halter Chains are made from hard drawn steel wire, same pattern as , but not galvanized. This style link is the strongest, smoothest and most flexible for halter purposes, the lock being at the center of the link, hence no rough projections to chafe the animal. Snaps and all attachments are strong and positive in action.

NOS. 000 TO 0, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A PACKAGE.

AMERICAN BRIGHT HALTER.



	W't per doz. lbs.	4½ Ft., per doz.		W't per doz. lbs.	6 Ft., per doz.	
No. 000	12	BEJ	$3.50	16	CBE	$4.50
No. 00	11	BDE	3.20	14	BIJ	4.00
No. 0	9	BJE	2.80	11	BEJ	3.50
No. 1	7	AHJ	2.50	9	BBJ	3.10
No. 2	6½	AFJ	2.25	8	BJE	2.80
No. 3	6	AEJ	2.10	7½	AHE	2.60
No. 4	5	ADE	2.00	6½	AHJ	2.50
No. 5	4	ACJ	1.80	5	AGJ	2.30
No. 6	3½	ABE	1.75	4	AFJ	2.20

NOS. 000 TO 0, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A PACKAGE.

LINK BELT.



No. 25. No. 32.

No. 25—Approximate links in 100 ft. 1,330, w't per 100 ft. 24 lbs. .....per hundred feet JGJJ $13.00

No. 32—Approximate links in 100 ft. 1,040, w't per 100 ft. 33½ lbs. .....per hundred feet JGJJ $13.00



No 33. No. 34.

No. 33—Approximate links in 100 ft. 860, w't per 100 ft. 35 lbs., per hundred feet .....JGJJ $13.00

No. 34—Approximate links in 100 ft. 860, w't per 100 ft. 39 lbs., per hundred feet .....JGJJ $13.00



No. 42. No. 45.

No. 42—Approximate links in 100 ft. 880, w't per 100 ft. 57 lbs., per hundred feet.....JHAJ $15.00

No. 45—Approximate links in 100 ft. 740, w't per 100 ft. 52 lbs., per hundred feet .....JGJJ $13.00



No. 55. No. 62.

No. 55—Approximate links in 100 ft. 740, w't per 100 ft. 76 lbs., per hundred feet.....JHFE $16.00

No. 62—Approximate links in 100 ft. 730, w't per 100 ft. 105 lbs., per hundred feet.....AAIJ $22.00

Wherever possible, Link Belt Chain should run with the back of the coupling hook to wheel, it should be kept well lubricated in the joints with heavy oil or good grease, which should also be used on rims and teeth of wheels at points of contact with belt.

Plumbago or Graphite grease should be used where chain is exposed to gritty dust.

ALL NUMBERS ARE PACKED IN 10 FOOT ROLLS; WE WILL NOT BREAK ROLLS.

JACK, SAFETY AND LADDER CHAINS.

IRON AND BRASS JACK.



No. 8—Single, iron, w't per doz. yds. 6 lbs., per dozen yards ..... DE $0.95



No. 10—Single, iron, w't per doz. yds. 4 lbs., per dozen yards ..... CH $0.80

No. 10—Single, brass, w't per doz. yds. 4 lbs., per dozen yards ..... AIJ 3.50



No. 12—Single, iron, w't per doz. yds. 2½ lbs., per dozen yards ..... BB $0.44

No. 12—Single, brass, w't per doz. yds. 2½ lbs., per dozen yards ..... AAE 2.05



No. 14—Single, iron, w't per doz. yds. 1½ lbs., per dozen yards ..... AI $0.40

No. 14—Single, brass, w't per doz. yds. 1½ lbs., per dozen yards ..... JGJ 1.35



No. 16—Single, iron, w't per doz. yds. 1 lb., per dozen yards ..... AD $0.30

No. 16—Double, iron, w't per doz. yds. 1¼ lbs., per dozen yards ..... AI .38

No. 16—Single, brass, w't per doz. yds. 1 lb., per dozen yards ..... DG .86



No. 18—Single, iron, w't per doz. yds. ¾ lb., per dozen yards ..... AC $0.28

No. 18—Single, brass, w't per doz. yds. ¾ lb., per dozen yards ..... CB .60



No. 20—Single, brass, w't per doz. yds. ½ lb., per dozen yards ..... BF $0.50

ONE DOZEN YARDS IN A BOX.

BRASS SAFETY.



No. 00—Plain brass, w't per doz. yds. ½ lb., per dozen yards ..... JDE $1.25

No. 00—Nickel plated brass, w't per doz. yds. ½ lb., per dozen yards ..... JFJ $1.55



No. 0—Plain brass, w't per doz. yds. ¾ lb., per dozen yards ..... JEE $1.50

No. 0—Nickel plated brass, w't per doz. yds. ¾ lb., per dozen yards ..... JFE $1.90



No. 1—Plain brass, w't per doz. yds. 1¼ lbs., per dozen yards ..... JFE $1.85

No. 1—Nickel plated brass, w't per doz. yds. 1¼ lbs., per dozen yards ..... JHJ $2.30



No. 2—Plain brass, w't per doz. yds. 1¾ lbs., per dozen yards ..... JHE $2.30

ONE DOZEN YARDS IN A BOX.

BRASS LADDER.



No. 19—W't per doz. yds. ¾ lb. ....per dozen yards DH $0.90

ONE DOZEN YARDS IN A BOX.

CHAIN AND LOAD BINDERS.

CABLE COIL CHAIN.



Common or Standard, Tested, Open-Hearth Steel, Self-Colored.

Dia.	Proof Test.	Average w't per 100 ft.	Per 100 lbs.		
7/32 in.	1,000 lbs.	46 lbs.	A J F J	$19.00
1/4 in.	1,500 lbs.	75 lbs.	J G B J	14.00
9/32 in.	2,600 lbs.	110 lbs.	J E G J	10.50
5/16 in.	3,600 lbs.	155 lbs.	D H J	9.50
11/32 in.	4,500 lbs.	200 lbs.	D C J	9.00
3/8 in.	6,500 lbs.	260 lbs.	C I E	8.50
13/32 in.	9,500 lbs.	400 lbs.	C H J	8.25
7/16 in.	13,500 lbs.	590 lbs.	C F J	8.00

This grade is made of first-class soft steel and is welded by experienced workmen. It is a good merchantable chain for general use.



"BB," Short Link, Long Lap, Open Hearth Steel, Self-Colored.

Dia.	Proof Test.	Average w't per 100 ft.	Per 100 lbs.		
7/32 in.	1,100 lbs.	51 lbs.	★A B A J	$21.50
1/4 in.	1,650 lbs.	80 lbs.	J H G J	16.50
9/32 in.	3,000 lbs.	115 lbs.	J G B J	13.00
5/16 in.	4,000 lbs.	160 lbs.	J F C J	12.00
11/32 in.	5,500 lbs.	210 lbs.	★J E H J	11.50
3/8 in.	7,000 lbs.	265 lbs.	★J E D E	11.00
13/32 in.	10,750 lbs.	410 lbs.	★J E C J	10.75
7/16 in.	15,500 lbs.	600 lbs.	★J E A J	10.50

Tested and certificate furnished. This chain is made of extra quality steel, which will stand a tensile strain of 52,200 lbs. to the square inch. It is welded with extra care and dollied to make welds smooth.

"BBB," Extra Short Link, Extra Long Lap, Highest Grade Open Hearth Steel, Self-Colored.

Dia.	Proof Test.	Average w't per 100 ft.	Per 100 lbs.		
7/32 in.	1,230 lbs.	52 lbs.	★A B G J	$22.50
1/4 in.	1,750 lbs.	83 lbs.	J I C J	17.50
9/32 in.	3,400 lbs.	113 lbs.	J G H J	14.00
5/16 in.	4,500 lbs.	166 lbs.	J F I J	13.00
11/32 in.	6,300 lbs.	215 lbs.	★J F E J	12.50
3/8 in.	8,000 lbs.	268 lbs.	★J F J E	12.00
13/32 in.	12,500 lbs.	420 lbs.	★J E I J	11.75
7/16 in.	17,750 lbs.	610 lbs.	★J E G J	11.50

Tested and certificate furnished. This chain is made of refined and rerolled iron, that is very tough and fibrous, and will stand a tensile strain of 53,800 lbs. to the square inch. Welded with special care and dollied. This chain may be depended upon where strength and durbility are required.

LOADING CHAIN.



Hand Forged from Highest Grade Steel. Very Close Link with Long Lap and Swelled Weld, Giving Extra Reinforcement, Making Weld as Strong as Material Itself. None but the Most Expert Workmen Make Loading Chain. We Recommend It as the Highest Grade Chain Made for Lumbering and Logging Purposes. Every Foot of Chain is Proof Tested to the Strains Shown in the Table Below, and Test Certificate Furnished. This Chain is Guaranteed to Pull Stiff Before Breaking.

Market size, in.	1/4	9/32	5/16	3/8
Exact size, inch	9/32	10/32	11/32	13/32
Links per foot,	16	14	13	11½
Proof Test	2500	2800	3600	5000
Pulls stiff under test	5100	6450	6800	9800
Average breaking strain.....	6000	7200	8000	11500
Actual known breaking strain	6600	7800	8800	12800
Safe working load	1375	1540	1980	2750
W't per 100 ft., lbs.	90	100	125	170
Per 100 pounds.	$19.00	26.00	24.00	20.00
	AGDJ	ADDJ	ABFJ	AJHJ

LOAD BINDERS.

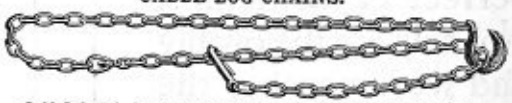


No. 21—Goodyear, malleable iron, length 33 in. when open, 21 in. when closed, handle 1¾ in. tapering to ⅝ in., two ½ in. grab hooks, w't 16 lbs., per pair ..... CCJ $4.00

Load binders are used to bind loads of logs, lumber, pipes, poles, hay and straw. Almost anything can be securely fastened with this handy device.

Will take up a slack of five inches and hold securely.

CABLE LOG CHAINS.



Self-Colored, Wrought Swivel, Round and Grab Hooks.

Length, ft.	12	14	16
W't per doz., lbs.	170	190	223
⅞ in. per dozen	$18.75	21.75	24.50
	AJBJ	AADJ	ACEJ
W't per doz., lbs.	231	276	317
⅝ in. per dozen	$24.25	27.50	31.50
	ABFJ	AEJJ	AGDJ
W't per doz., lbs.		440	
½ in. per dozen		$41.75	
		BAFJ	

WAGON STAY CHAINS.



No. 215—⅞ in., black, with hook, length 27 in., w't per doz. prs. 54 lbs., per dozen pairs ..... BIE $4.50

No. 216—1 in., black, with hook, length 30 in., w't per doz. prs. 76 lbs., per dozen pairs ..... CIE $6.50

★*FOR FACTORY SHIPMENT ONLY.*

Newspaper Advertising Electros



SAWS

Are a departure from usual methods of manufacture, in that they are perfect *in all* details. Not only are the quality and workmanship the highest order but they are perfectly balanced.

They *cut right, hang right* and *keep right.*

DEALER'S NAME HERE

No. 302.



PLANES

DEALER'S AD HERE

No. 303.

These Electros and many others are carried in stock ready to mail FREE to "O. V. B." dealers who will use them.

WAGON HARDWARE

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

CHAIN REPAIRS AND WRENCHES.

REPAIR LINKS.



Bright, Open End, Wrought Steel.

No.	Size, in.	For trace.	W't, gross, lbs.	Per gross.
10-3	⅞x1⅛	No. 3	7½ JED	$1.30
10-2	¾x1⅛	No. 2	9 JFJ	1.50
10-1	9-32x1⅜	No. 1	10½ ABJ	2.00
	⅜x1½		23 AEE	2.75
	⅜x2⅛		36 AIE	3.75
	7/16x2½		48 BDJ	4.75

NOS. 10-3 TO 10-1, ONE-HALF GROSS IN A BOX; BALANCE, ONE GROSS IN A BUNDLE.



Bright, Side Open, Wrought Steel.

No. 35—½x2⅜ in., w't per gro. 100 lbs., per gross ..... CJJ $7.00
No. 40—⅝x2½ in., w't per gro. 100 lbs., per gross ..... JDHJ $11.00
ONE-HALF GROSS IN A BUNDLE.



Acme Drop Forged.

Diam., in.	¼	⅜	⅝
W't, gro., lbs.	7	12	19
Per gross	$12.00 JEJE	13.20 JEGE	14.40 JGDJ
Diam., in.			½
W't per gro., lbs.			40
Per gross			$16.80 AJAJ

These links are made from a fine grade of forging steel, drop forged solid without weld. Made to equal the strain of chain of the same size.
ONE DOZEN IN A BOX.



No. 2530—Malleable Iron, Extra Heavy.

Diam., in.	¼	⅜	⅝
W't per gro., lbs.	15	24	36
Per gross	$5.75 CDE	7.20 DCJ	9.80 EGE
Diam., in.			½
W't per gro., lbs.			87
Per gross			$19.20 AAEJ

ONE DOZEN IN A BOX.

COLD SHUTS.



No. 20—Wrought Steel, Self-Colored.

Diam., in.	¼	⅜	⅝
W't per gro., lbs.	11	14½	26
Per gross	$4.25 AHJ	5.00 BAJ	6.00 BGJ
Diam., in.			⅞
W't per gro., lbs.			36
Per gross			$7.00 CDE

ONE GROSS IN A BUNDLE.

CHAIN HOOKS.



Round.



Grab.

Best Quality Soft Steel, Hand Made.

Round—For chain, in.	⅝	⅜	½
W't, gro., lbs.	84	144	216
Per dozen	$2.15 JHE	2.40 AAE	3.15 BJJ
Grab—For chain, in.	⅝	⅜	½
W't, gro., lbs.	84	144	216
Per dozen	$2.15 JHE	2.40 AAE	3.15 BJJ

ROUND CHAIN HOOKS are designed to allow the chain to run through the eye as in the loop of a lariat, and permits the chain to be drawn taut. GRAB HOOKS catch the chain between the links to shorten it or to join two chains together.
ONE DOZEN IN A BUNDLE.

WROUGHT "S" HOOKS.



Wrought Iron, Self-Colored.

No. 10—Round, Inches	1½	2	2½
Diam., in.	⅜	7-32	¼
W't per gro., lbs.	3¼	7½	9½
Per gross	$6.00 JIE	7.25 AAE	9.50 AEJ

The length given is outside measurement.
ONE GROSS IN A BOX.

MALLEABLE "S" WRENCHES.

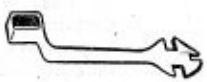


Ribbed Pattern.

No. 71—Openings ½ and ⅝ in., length 6¾ in., w't per doz. 4½ lbs., per dozen ..... DJ $0.65
No. 72—Openings ⅝ and ¾ in., length 7⅛ in., w't per doz. 6½ lbs., per dozen ..... EE $0.90



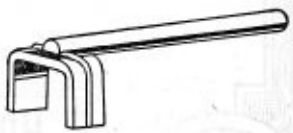
No. 75—Harvesters, 7¼ in., for ⅜ to 1 in. nuts, w't per doz. 9 lbs., per dozen ..... JGJ $1.20



Buggy.

No. 133—7⅛ in., w't per doz. 7 lbs., per dozen ..... JFJ $1.00
No. 134—1 in., w't per doz. 7½ lbs., per dozen ..... JFE $1.05
No. 135—1⅛ in., w't per doz. 8 lbs., per dozen ..... JGJ $1.20
No. 136—1¼ in., w't per doz. 9½ lbs., per dozen ..... JHJ $1.30

WAGON WRENCHES.



Wrought Steel.

Nos.	60½	61	62
Opening, in.	2⅛	2½	2¾
Shanks, in.	⅝	⅝	⅝
W't per doz., lbs.	18	18	18
Per dozen	$2.20 ACJ	2.20 ACJ	2.20 ACJ

CLEVISES AND SWIVELS.

MALLEABLE CLEVISES.



Ribbed Pattern.

No. 335—Screw pin, inside width 2 in., extreme length 4½ in., ribbed, w't per doz. 13½ lbs. ....per dozen **JHJ** $1.15

No. 368—Screw pin, inside width 2¼ in., extreme length 5½ in., ribbed, w't per doz. 14 lbs. .....per dozen **JHE** $1.25

No. 379—Screw pin, inside width 2½ in., extreme length 6 in., ribbed, w't per doz. 16 lbs. .....per dozen **JIJ** $1.60



Flat Band Pattern.

No. 395—Screw pin, inside width 2 in., extreme length 4½ in., w't per doz. 14 lbs. .....per dozen **JHE** $1.25

No. 410—Screw pin, inside width 2½ in., extreme length 4½ in., w't per doz. 14½ lbs. .....per dozen **JHE** $1.45

No. 420—Screw pin, inside width 2 in., extreme length 6 in., w't per doz. 15½ lbs. .....per dozen **JIJ** $1.70

No. 430—Screw pin, inside width 2½ in., extreme length 6 in., w't per doz. 19½ lbs. .....per dozen **AJJ** $2.00

No. 427—Screw pin, inside width 2¼ in., extreme length 6 in., w't per doz. 18½ lbs. .....per dozen **AJJ** $1.90

No. 431—Extra large, screw pin, inside width 3 in., extreme length 8 in., w't per doz. 30 lbs., per dozen **AFJ** $3.10

PACKED LOOSE.

MALLEABLE END CLEVISES.



No. 2821-B—Twist link, screw pin, inside width ¾ in., extreme length 4¼ in., w't per doz. 10¾ lbs., per dozen .....**JFJ** $1.10



No. 2808-A—Straight link, screw pin, inside width ¾ in., extreme length 3 in., w't per doz. 7 lbs., per dozen .....**DJ** $0.70

No. 2808-B—Straight link, screw pin, inside width 1 in., extreme length 3½ in., w't per doz. 9 lbs., per dozen .....**EE** $0.90

MALLEABLE CROSS CLEVISES.



No. 100—Cross clevis, 10 holes, adjustable to any size beam, average w't per doz. 25 lbs. .....per dozen **BDJ** $3.00

ROPE SWIVELS.



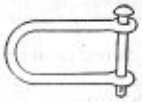
Malleable Iron, Tumbled Bright.

No. 7720-B—⅝ in. Eye, length 3 in., w't per doz. 2 lbs. ....per dozen **BD** $0.40

No. 7720-C—¾ in. eye, length 3¼ in., w't per doz. 2⅛ lbs....per dozen **BD** $0.40

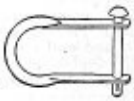
PACKED LOOSE.

STEEL WAGON CLEVISES.



Wrought Steel, Natural Finish.

No. 115—Round, bull tongue pattern, lock pin, inside measurement 2½x6 in., diameter ⅞ in., w't per doz. 22 lbs., per dozen .....**ABJ** $1.90



No. 120—Flat, bull tongue pattern, lock pin, inside measurement 2½x6 in., w't per doz. 17lbs...per dozen **JIJ** $1.45



No. 131—Light pattern with stay chain attachment, square head screw pin, for 2 in. doubletree, w't per doz. 16 lbs. .....per dozen **JIE** $1.35

No. 132—Heavy pattern with stay chain attachment, square head screw pin, for 2 in. doubletree, w't per doz. 12 lbs. .....per dozen **ABJ** $1.90

PACKED LOOSE.

STEEL WHIFFLETREES.

U-BAR PLOW SINGLETREES.

Heavy Reinforced Pressed Steel, Securely Riveted, U-Shaped, with Rounded Edge Set toward the Horse, Painted Green.



With Swivel Center and Self-Locking End Hooks.

Nos.	U-26	U-30
Length, in.	26	30
W't per doz., lbs.	55	70
Per dozen	$6.00	8.25
	CIJ	EJJ

U-BAR WAGON SINGLETREES.

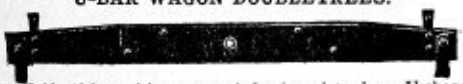
No. U-34—34 in., with swivel center and self-locking end hooks, w't per doz. 108 lbs. .....per dozen **GJJ** $9.75

U-BAR PLOW DOUBLETREES.



No. U-36—36 in., with swivel center clevis and self-locking end hooks, w't per doz. 90 lbs. .....per dozen **JFIJ** $10.50

U-BAR WAGON DOUBLETREES.



No. U-46—46 in., with center reinforcing plate, have U-shaped reinforcement, riveted inside the open edges, steel stay chain eyes, and end clevises, center hole and clevis holes fitted with double pipe bushings or ferrules, capacity, guaranteed for 5 ton, w't per doz. 240 lbs., per dozen ..... **AAAJ** $16.65

WAGON AND PLOW SINGLETREES.

U. S. Tubular Pressed Steel with Patent Trussed Inner Fold, Painted Vermilion Inside and Out.



Nos.	Length, in.	W't, Lbs.	Capacity, Lbs.	Per Dozen.	
608—Plow	22	2¾	3000	CHE	$5.50★
610—Plow	24	3	3000	DJC	5.75★
612—Plow	26	3¼	3000	DBJ	6.00★
613—Plow	28	3½	3000	DIJ	7.00★
616—Plow or wagon	30	4	3000	FCJ	9.00★
618—Wagon	32	4¼	3000	JGJJ	10.00★
620—Wagon	34	4½	3000	JGGJ	11.00★
621—Wagon	36	5	3000	JHDJ	12.00★

WAGON NECK YOKES.



Nos.	Length, in.	W't, doz. lbs.	Per Dozen.	
501	36	9½	AJHJ	$15.00★
502	40	10	ABBE	17.00★
503	44	10½	ACGJ	19.00★
504	48	11	AEAJ	21.00★

PLOW DOUBLETREES.

U. S. Tubular Pressed Steel, with Patent Trussed Inner Fold. Painted Vermilion Inside and Out.



Extra Strong, with 3 in. Clevises, ¾ in. Between Clevis and Jaws.

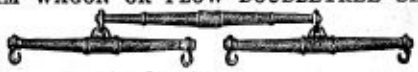
Nos.	Length, in.	W't, Lbs.	Capacity, Tons.	Per Dozen.	
301	34	7	1½ to 2	JHDJ	$12.00★
302	36	8½	1½ to 2	JIHJ	14.00★

TWO HORSE PLOW SETS.



Nos.	Length, Double Trees, in.	Length, Single Trees, in.	W't, Lbs.	Capacity, Tons.	Per Dozen Sets.	
549	34	26	12	1 to 1½	AFHJ	$24.00★
549½	36	26	13	1 to 1½	AHBJ	26.00★
550	36	28	14	1 to 1½	AIFJ	28.00★
551	36	30	18	1 to 1½	BBJJ	32.00★

FARM WAGON OR PLOW DOUBLETREE SETS.



Nos.	Length, Double Trees, in.	Length, Single Trees, in.	W't, Lbs.	Capacity, Lbs.	Per Dozen Sets.	
708	36	28	15	4000	BAJJ	$30.00★
709	36	30	16	4000	BCHJ	34.00★
711	40	32	18	4000	BEIJ	37.00★
712	44	34	20	4000	BHJJ	40.00★
713	44	36	22	4000	BIDJ	42.00★

FARM WAGON DOUBLETREES.

Nos.	Length, in.	W't, Lbs.	Capacity, Lbs.	Per Dozen.	
703	36	9	4000	AABJ	$16.00★
704	40	10	4000	AAIJ	17.00★
705	44	11	4000	ABFJ	18.00★

Made especially for one horse dray and light farm wagon use; flat in center, tapering and round at the ends. Patent trussed innerfold, pressed steel, reinforced with malleable center band, with ⅞ inch hole for pin.

HEAVY WAGON DOUBLETREE SETS.

Cross section of Doubletree showing reinforced center.





Weight Same as Wood, Many Times as Durable, Painted Inside and Out, Specially Reinforced—see cut,—Every Piece Guaranteed Against Breakage.

Nos.	Length, Double Trees, in.	Length, Single Trees, in.	W't, Lbs.	Capacity, Tons.	Per Dozen Sets.	
170	44	34	27	5	CCIE	$48.50★
171	44	36	30	5	CGDE	53.50★
172	48	34	28	5	CDCJ	49.00★
173	48	36	31	5	CGHJ	54.00★
	Doubletrees Only.					
Nos.	Length, in.		W't, Lbs.	Capacity, Tons.	Per Dozen.	
43	40		14	5	AFHJ	$24.00★
44	44		15	5	AGAE	24.50★
45	48		16	5	AGEJ	25.00★
	Singletrees Only.					
25	34		6	5	JHDJ	12.00★
29	36		7½	5	AJAE	14.50★

★FOR FACTORY SHIPMENT ONLY. F. O. B. YPSILANTI, MICH.

IRONED WAGON WOODWORK.

WAGON SETS, CRATED.

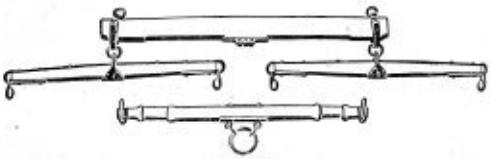


No. R17 REVISED—Select hickory, painted vermilion, consisting of six No. R19 wagon sets, compactly and strongly crated, w't per crate 235 lbs., per crate .....**AEAJ** $25.20

No. C17—Cruso, painted red, consisting of six No. C19 wagon sets, well crated, w't per crate 215 lbs., per crate .....**JIIJ** $16.50

SIX SETS IN A CRATE. WE DO NOT BREAK CRATES.

WAGON SETS, LOOSE.



No. R19.

No. R19 REVISED—Select hickory, painted vermilion, consisting of one No. R42 doubletree, one No. R28 neckyoke and two No. R16½ full length iron clad, strap end, singletrees, w't per set 35 lbs. .....per set **BDJ** 4.00

No. C19—Cruso, painted red, consisting of one No. R42½ oak doubletree, one No. R26 neckyoke and two No. R15 hickory singletrees, w't per set 33 lbs., per set **AFJ** $2.70

THREE HORSE WAGON EVENERS.



No. R13—Select oak, painted vermilion, for hitching three horses to any wagon, manure spreader, grain drill, etc., so that each horse pulls an equal load, adjusting clamp on tongue can be moved to throw the center to either side of tongue, main evener 1⅜x3½x42 in., supplementary evener 1x3x28 in., singletrees 2½x26 in., w't each 50 lbs., each★ .....**CIJ** $6.50

WAGON SINGLETREES.



No. R16½ REVISED—Select hickory, painted vermilion, 2⅝x34 in., full length iron clad strap end, ½ in. straps, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 85 lbs., per dozen .....**JFEJ** $10.80



No. R15½ REVISED—Select hickory, painted vermilion, 2⅝x34 in. strap end, ½ in. straps, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 75 lbs., per doz. **EEJ** $9.20

No. 14—Cruso, hickory, varnished, 2⅝x34 in. strap end, ½ in. straps, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 75 lbs. .....per dozen **DCJ** $7.20



No. R15 REVISED—Select hickory, painted vermilion, 2⅝x36 in. ferrule end, back pull, 1⅛ in. ferrules, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 65 lbs., per dozen .....**DHJ** $8.00

No. 3—Cruso, hickory, varnished, 2⅝x36 in. ferrule end, back pull, 1⅛ in. ferrules, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 65 lbs.....per dozen **CGJ** $6.20



No. R14½ REVISED—Select hickory, painted vermilion, 2⅝x36 in. ferrule end, direct or front pull, 1⅛ in. ferrules, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 65 lbs., per dozen .....**EAE** $8.60

No. 30—Cruso, hickory, varnished, 2⅝x36 in. ferrule end, direct or front pull, 1⅛ in. ferrules, ⅜ in. hooks, ⅞ in. center clip, ⅞x2 in. ring, w't per doz. 65 lbs., per dozen .....**CIE** $6.60

WAGON AND PLOW WOODWORK.

WAGON DOUBLETREES.



No. R42 REVOKOC—Select hickory, painted vermilion, 2x4x48 in., with lock pin steel clevises and stay chain attachments, patent malleable front plate, w't per doz. 150 lbs., per dozen ..... **JIJJ** $11.50

No. 42—Cruso, hickory, varnished, 2x4x48 in., with lock pin steel clevises and stay chain attachments, steel plate reinforcing center hole, w't per doz. 150 lbs., per dozen ..... **EIJ** $9.80



No. R42½ REVOKOC—Select oak, painted vermilion, 2x4x48 in. with malleable clevises, without stay chain attachments, steel plate reinforcing center hole, w't per doz. 150 lbs., per dozen ..... **JFCJ** $10.50

No. 42½—Cruso, oak, varnished, 2x4x48 in. malleable clevises, without stay chain attachments, steel plate reinforcing center hole, w't per doz. 150 lbs. .....per dozen **ECJ** $8.80

WAGON NECK YOKES.

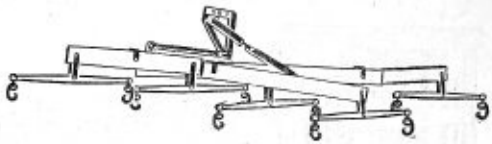


No. R28 REVOKOC—Select hickory, painted vermilion, 2½x40 in., 1½ in. ferrules, 3x1⅛ in. rings, ⅞x3¼ in. center ring, 6½ in. center plates, w't per doz. 90 lbs. ...per dozen **JFIJ** $11.50

No. R26 REVOKOC—Select oak, painted vermilion, 2½x40 in., 1⅛ in. ferrules, 3⅛ in. end rings, ⅞x3¼ in. center ring, 6½ in. center plates, w't per doz. 88 lbs., per dozen ..... **JFJJ** $10.00

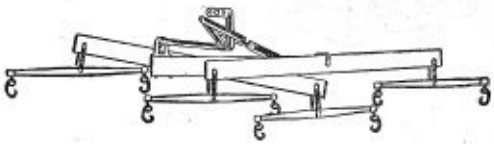
No. 15—Cruso, oak, varnished, 2½x40 in., 1⅛ in. ferrules, ⅞x3¼ in. center ring, 6½ in. center plates, w't per doz. 88 lbs. .....per dozen **EDJ** $9.00

FIVE HORSE PLOW EVENERS.



No. R57—Select hickory, painted vermilion, steel straps, malleable castings, works five horses abreast on a gang plow, with one horse in the furrow and four on the unplowed ground, strongly built and free from side draft, adjustable to give either team the advantage, main eveners 1⅞x3½x42 in., small eveners 1½x3x28 in., singletrees 2½x 26 in., w't per set 85 lbs.★ .....per set **JFFJ** $11.00

FOUR HORSE PLOW EVENERS.



No. R47—Select hickory, painted vermilion, similar to No. R57 except works four horses abreast on either gang, sulky or disc plow, one horse in the furrow and three on the unplowed ground, w't per set 60 lbs.,★....per set **DHJ** $8.00

RACINE PATTERN, THREE HORSE HITCH EVENERS.



No. R37—Select hickory, painted vermilion, steel straps, malleable castings, used on any implement where a three horse hitch is required, such as plows, harrows, etc., quickly changeable for two horses, free from side draft and strongly constructed, main evener 1⅞x3½x42 in., small evener 1¼x3x28 in., singletrees 2½x26 in., w't per set 35 lbs., per set★ ..... **AIJ** $2.80

THREE HORSE HITCHES.

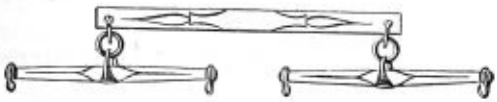


No. R27—Select hickory, painted vermilion, steel straps, malleable castings, similar in use to No. R37, free from side draft, main evener 1⅞x3½x42 in., small evener 1¾x3x28 in., singletrees 2½x26 in., w't per set 30 lbs., per set★ ..... **AGJ** $2.80

★*FOR FACTORY SHIPMENT ONLY.*

IRONED PLOW WOODWORK.

TWO HORSE PLOW DOUBLETREE SETS.



No. R7 REVERSIBLE—Flat pattern, select hickory, painted vermilion, consisting of one No. R41 doubletree and two No. R0 singletrees, w't per set 15 lbs. .....per set **JIE** $1.50

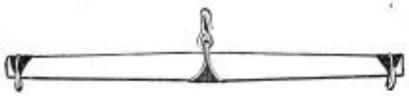
No. 7—Cruso, flat pattern, hickory, varnished, consisting of one No. 11 doubletree and two No. 3½ singletrees, w't per set 15 lbs. .....per set **JGE** $1.26



No. R8 REVERSIBLE—Oval pattern, select hickory, painted vermilion, consisting of one No. R40½ doubletree and two No. R4 singletrees, w't per set 12 lbs. .....per set **JHE** $1.40

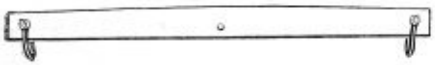
No. 8—Cruso, oval pattern, hickory, varnished, consisting of one No. 10 doubletree and two No. 3½ singletrees, w't per set 12 lbs. .....per set **JGE** $1.24

PLOW DOUBLETREES.



No. R40½ REVERSIBLE—Oval pattern, select hickory, painted vermilion, 2⅝x36 in., ⅞ in. end clips, ⅞ in. center clip, ½ in. hooks, w't per doz. 65 lbs. .....per dozen **DJJ** $6.70

No. 10—Cruso, oval pattern, hickory, varnished, 2⅝x36 in., ⅞ in. end clips, ⅞ in. center clip, ½ in. hooks, w't per doz. 65 lbs. .....per dozen **CBJ** $5.30



No. R41 REVERSIBLE—Flat pattern, select hickory, painted vermilion, 1¾x3½x42 in. riveted ends, malleable clevises, center bore, w't per doz. 100 lbs. .....per dozen **EDJ** $9.00

No. 11—Cruso, flat pattern, hickory, varnished, 1¾x3½x42 in. riveted ends, malleable clevises, center bore, w't per doz. 100 lbs. .....per dozen **DHJ** $8.00

PLOW SINGLETREES.



No. R4½ REVERSIBLE—Select hickory, painted vermilion, 2½x30 in. ferrule end, direct or front pull, 1¼ in. ferrules, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 40 lbs., per dozen .....**CFJ** $6.00



No. R4 REVERSIBLE—Select hickory, painted vermilion, 2½x30 in. ferrule end, back pull, 1¼ in. ferrules, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 40 lbs., per dozen .....**CDJ** $5.70

No. 3½—Cruso, hickory, varnished, 2½x30 in. ferrule end, back pull, 1¼ in. ferrules, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 40 lbs. ....per dozen **BFJ** $4.30



No. R3 REVERSIBLE—Select hickory, painted vermilion, 2½x28 in. strap end, ⅞ in. straps, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 38 lbs. ....per dozen **CGJ** $6.20

No. 2—Cruso, hickory, varnished, 2½x28 in. strap end, ⅞ in straps, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 38 lbs. .....per dozen **CJJ** $5.00



No. R2½ REVERSIBLE—Select hickory, painted vermilion, 2½x28 in. clip end with ring, ⅞ in. end clips, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 40 lbs., per dozen .....**BAE** $3.60

No. 1¾—Cruso, hickory, varnished, 2¼x28 in., clip end with ring, ⅞ in. end clips, ⅞ in. hooks, ⅞ in. center clip, ⅜x2 in. ring, w't per doz. 40 lbs.....per dozen **BJJ** $3.30



No. R1 REVERSIBLE—Select hickory, painted vermilion, 2½x26 in. clip end without ring, ⅞ in. end clips, ⅞ in. hooks, ⅞ in. center clip, w't per doz. 33 lbs. .....per dozen **BJJ** $3.30

No. 1—Cruso, hickory, varnished, 2¼x26 in. clip without ring, ⅞ in. end clips, ⅞ in. hooks, ⅞ in. center clip, w't per doz. 33 lbs. .....per dozen **AEJ** $2.50

PLOW, WAGON AND BUGGY FITTINGS.

BUGGY SINGLETREES, IRONED.



No. 162-G—Buggy, 1⅞x38 in., complete with braces, couplings, ferrules and cockeyes, painted dark green, w't per doz. 35 lbs. .....per dozen **DEJ** $7.50

No. 163-G—1⅜x36 in., painted dark green, w't per doz. 30 lbs., otherwise same as No. 162-G, per dozen .....**DEJ** $7.50

SHIPPED COMPLETE WITH CLEVIS, LOOSE.

BUGGY NECK YOKES, IRONED.



No. 142—1¾x42 in., hickory, complete with No. 42H neck yoke center attached, acorn ends, loops riveted, painted black, with two coats of paint and varnish, w't per doz. 40 lbs., per dozen .....**EAJ** $8.50



No. 150—42 in., selected timber, finished with Adams' malleable hinged center, leather lined, riveted loop, with under plate, diam, 1½ in., w't per doz. 45 lbs. .....per dozen **JHDJ** $14.00

ONE-HALF DOZEN IN A BUNDLE.

PLOW SINGLETREE WOODS.



No. 17—30x2⅛ in., hickory, w't per doz. 24 lbs. .....per dozen **AAJ** $1.30

ONE DOZEN IN A BUNDLE.

PLOW DOUBLETREE WOODS.



No. 17½—Oval, 36x2⅝ in., hickory, w't per doz. 32 lbs...per dozen **AGE** $2.80



No. 18—Flat, 42x3½x1⅝ in., hickory, w't per doz. 70 lbs...per dozen **CCE** $3.50

ONE DOZEN IN A BUNDLE.

WAGON SINGLETREE WOODS.



No. 36—36x2⅝ in., oval, hickory, w't per doz. 32 lbs...per dozen **AGE** $2.15

ONE DOZEN IN A BUNDLE.

WAGON DOUBLETREE WOODS.



No. 20—48x4x2 in., hickory, w't per doz. 100 lbs. .....per dozen **DBJ** $5.35

ONE DOZEN IN A BUNDLE.

WAGON NECK YOKE WOODS.



No. 40—40x2⅝ in., hickory, w't per doz. 57 lbs. .....per dozen **BIJ** $3.00

ONE DOZEN IN A BUNDLE.

BUGGY OR EXPRESS SINGLETREE WOODS.



No. 62—40x1⅜ in., hickory, round ends, w't per doz. 22 lbs., per dozen .....**ADE** $2.15

ONE DOZEN IN A BUNDLE.

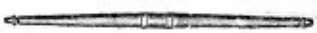
BUGGY OR EXPRESS DOUBLETREE WOODS.



No. 72—48x2½ in., hickory, finished ends, w't per doz. 56 lbs., per dozen .....**CAJ** $3.95

ONE-HALF DOZEN IN A BUNDLE.

BUGGY OR EXPRESS NECK YOKE WOODS.



No. 82—42x1⅜ in., hickory, w't per doz. 28 lbs. .....per dozen **AGJ** $3.50

ONE-HALF DOZEN IN A BUNDLE.

WAGON HARDWARE.

SINGLETREE IRONS IN SETS.



Center Clip for Set No. 75. End Clip for Sets Nos. 75 and 1. Center Clip for Set No. 1.

No. 75—Light southern plow, comprising one ½ in. center clip and two ⅝ in. end clips with ⅞ in. hook, w't per doz. sets 15 lbs., per dozen sets .....**AFJ** $2.10

No. 74—Light Southern Plow, ⅞ in. center clip, ⅝ in. end clip, with ¾ in. end hook, w't per doz. sets 12 lbs., per per dozen sets .....**ADE** $2.10

No. 1—Southern plow, comprising one ⅝ in. center clip with ½ in. ring and two ⅞ in. end clips with ⅜ in. hook, all wrought iron, w't per doz. sets 24 lbs.....per dozen sets **BCE** $3.75

CENTER CLIPS.



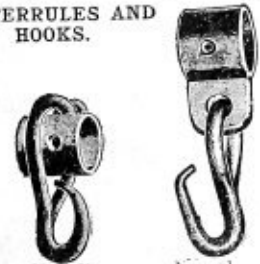
Nos. 34 and 37. No. 52.

No. 37—⅝ in. wrought iron, with ½ in. ring, w't per doz. 12 lbs., per dozen.....**JIE** $1.60

No. 34—¾ in., wrought iron, with ⅝ in. ring, w't per doz. 24 lbs., per dozen.....**AGE** $3.00

No. 52—⅝ in., twisted wrought iron, w't per doz. 9 lbs..per dozen $1.60 **AGE**

FERRULES AND HOOKS.



No. 51. No. 61.

Malleable Ferrule, Wrought Hook.

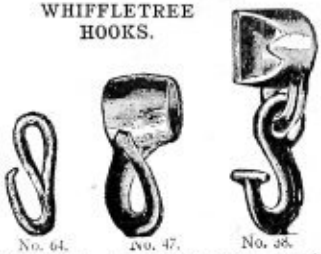
No. 51—1⅛ in., ferrule tapering from 1½ in., ⅜ in. eye, ⅜ in., w't per doz. 6 lbs. .....per dozen **JHJ** $1.00

No. 55—1¾ in., ferrule tapering from 1⅜ in., ⅞ in. eye, ⅞ in., w't per doz. 12 lbs. ....per dozen **ABE** $1.75

No. 61—1½ in., ferrule tapering from 1⅝ in., ⅞ in., w't per doz., 9 lbs., per dozen.....**AAJ** $1.25

No. 60—1¼ in., ferrule tapering from 1⅜ in., ⅞ in., w't per doz. 12 lbs., per dozen.....**AFJ** $1.85

WHIFFLETREE HOOKS.



No. 64. No. 47. No. 38.

No. 64—⅞ in. wrought iron, length 3½ in., w't per doz. prs. 9 lbs., per dozen pairs .....**JIJ** $1.60

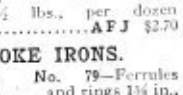
No. 47—Malleable iron, small end 1⅛ in., large end 1⅝ in., depth 1½ in., length 3⅜ in., w't per doz. prs. 11 lbs., per dozen pairs **AAJ** $1.75

No. 38—Malleable plow singletree irons, 1⅛ in. ferrule—tapering from 1⅛ in. —w't per doz. prs. 16 lbs., per dozen pairs.....**JIJ** $4.00

IN STRINGS OF ONE-HALF DOZEN PAIRS. WE DO NOT BREAK STRINGS.

No. 38 is made with a wedge in the front face of the ferrule, and is intended to drive into place. The wedge spreads the end so that the spurs on the side catch in the wood, securely holding the ferrule in place.

WELDED END CLIPS AND HOOKS.



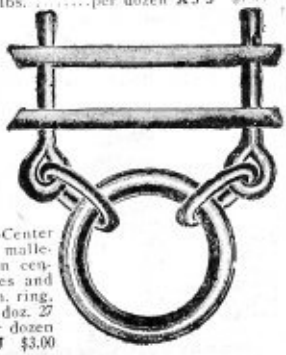
No. 147—⅞ in. clip with ⅜ in. steel hook, w't per doz. prs. 12½ lbs., per dozen pairs.....**AFJ** $2.70

NECK YOKE IRONS.



No. 79—Ferrules and rings 1⅜ in., malleable ferrule —tapering from 1½ in.—⅞ in. eye, 3½x⅜ in. wrought ring, w't per doz. 6 lbs., per dozen..**HJ** $0.95

No. 80—Ferrules and rings, 1⅝ in. malleable ferrule —tapering from 1¾ in.—⅞ in. eye, 4x⅞ in. wrought ring, w't per doz. 9 lbs. .....per dozen **AJJ** $1.65



No. 10—Center irons, malleable iron center plates and 4½x½ in. ring, w't per doz. 27 lbs., per dozen **BJJ** $3.00

RUB IRONS.



No 1680—Malleable iron, 7 in. long, 4 in. wide, 1 in. flange, ⅞ in. bolt hole, w't per doz. 12 lbs., per dozen.....**AAE** $1.30

No. 1682—Extra heavy malleable iron, 9 in. long, 1 in. flange, ⅞ in. bolt hole, w't per doz. 22 lbs., per dozen.....**AHJ** $3.00

WHIFFLETREE STRAPS.



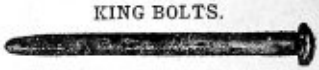
No. 65—½ in. wrought steel, length of long end to center of bend 11½ in. with three 9-32 in., holes short end 6½ in., with two 9-32 in. holes, w't per doz. 9½ lbs. ..per dozen **FJ** $0.90

POLE CAPS.



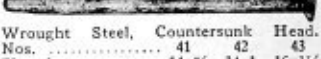
No. 1—Wrought steel, with hold back, length 10½ in., w't per doz. 24 lbs., per dozen.....**ACJ** $2.50

KING BOLTS.



Wrought Steel, Button Head.

Nos.	31	32	33
Size, in.	14x⅜	14x1	16x1⅛
W't per doz., lbs..	28	37	54
Per dozen	$1.90	2.50	3.80
	ADJ	AGE	BFE



Wrought Steel, Countersunk Head.			
Nos.	41	42	43
Size, in.	14x⅜	14x1	16x1⅛
W't per doz., lbs..	28	37	54
Per dozen	$1.90	2.50	3.80
	ADJ	AGE	BFE

BOLSTER PLATES.



Wrought Iron.

Nos.	11	12
Width, in.	3¼	3½
W't per doz. prs., lb.	78	84
Per dozen pairs	$9.00	9.60
	EJE	EDE

RUB IRONS.



No. 10—Wrought iron, 5½x2½ in., w't per doz. 12 lbs., per dozen **JFJ** $1.00

WAGON HARDWARE.

CRUSO AXLE CLIP ASSORTMENTS.



No. 57—⅞ in. shank, flat, 6 pieces each 2¼, 2½, 2¾, 3¼, 3¾ and 4¼ in., 3 pieces each 4¾, 5¼ and 6 in., ⅜ in. shank, flat, 2 pieces each 4½, 5, 5½, 6, 6½ and 7½ in., sizes given indicate length of flat part, ⅞ in. clips, ⅜ in. wide, ⅛ in. clips 1¼ in. wide, w't per asst. 10 lbs., per assortment **BJE** $3.40

A splendid assortment of clips intended for general repairman or dealer. Correct proportion of all sizes.

Packed in an attractive slide cover wooden box, plainly labeled.

AXLE CLIPS.



Wrought, ⅞ Inch Shanks, ⅞ Inch Wide.

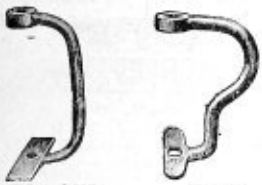
Nos.	1	2	3
Length flat part, in.	3¼	3¼	4¼
W't per doz., lbs.	1½	1¾	1¾
Per dozen	$0.85	.95	1.10
	AI	BE	JBC
Nos.		4	5
Length flat part, in.		4¼	5¼
W't per doz., lbs.		2	2¼
Per dozen		$1.20	1.35
		JBF	JDJ

Wrought, ⅜ Inch Shank, 1¼ Inches Wide.

Nos.	21	22	23
Length flat part, in.	3	3½	4
W't per doz., lbs.	2½	2⅝	2¾
Per dozen	$0.95	1.15	1.35
	CJ	JCE	JDC
Nos.		24	25
Length flat part, in.		4½	5
W't per doz., lbs.		3	3¼
Per dozen		$1.50	1.65
		JDH	JEE

FOUR AND-ONE-SIXTH DOZEN IN A BOX.

WHIFFLETREE BRACES.



Nos. 635 and 636. No. 640.

Malleable Iron.

Nos.	635	636	640
For Bolt, in.	⅝	⅞	⅞
Inside, in.	3	3½	3½
W't per doz., lbs.	4½	4½	6
Per dozen	$0.75	.75	1.00
	DJ	DJ	JFJ

ONE-HALF DOZEN PAIRS IN A BOX.

STAKE IRONS.



No. 1 REVONOC Round. No. 2 REVONOC Square.

Blued Finish, Pressed Steel, Holes for ⅜ in. Bolt, 3 in. Deep.

Nos.	1 REVONOC	2 REVONOC
For stake, in.	2x2¼	1½x1¼
W't per doz., lbs.	11½	11½
Per dozen	$1.50	1.50
	JIJ	JIJ

Made of high grade steel with a slightly flaring top to prevent wearing a notch in the stake, and tapers toward lower end to hold securely. Stronger than malleable iron stakes.



No. 1535. Nos. 1630 and 1635.

No. 1535—Round, malleable iron, holes for ⅜ in. bolts, for 2 in. stake, 2¾ in. deep, w't per doz. 12¼ lbs., per dozen ..... **AJJ** $1.60

Square, Malleable Iron, Ribbed, Holes for ⅝ in. Bolt.

Nos.	1630	1635
For stake, in.	1½x2½	1½x2¾
Deep, in.	2½	2¼
W't per doz., lbs.	19½	20¼
Per dozen	$2.00	2.40
	ADJ	AEE

ONE-HALF GROSS IN A BOX.

WAGON BOW STAPLES.



Wrought Iron, to Rivet.

No. 5—In.—inside	1½	1¾	2
W't per gro., lbs.	9	9	9
Per gross	$1.60	1.70	1.80
	JIE	AJJ	AAJ



No. 6—Wrought iron, to drive, 1¼, 1¾ and 2 in. inside measurement, w't per gro. 10 lbs. .....per gross **AEE** $1.80

In ordering, give size.

ONE-HALF GROSS IN A BOX.

WHIFFLETREE COUPLINGS.



Malleable Iron.

Nos.	695	696	697	698
Width, in.	1¼	2⅛	2¼	2½
Length, in.	4½	5⅛	5¾	5¾
For bolt, in.	⅛	⅛	⅛	⅛
W't, doz., lbs.	3½	5½	5½	7
Per doz. prs.	$0.50	.85	.85	1.15
	CA	EE	EE	JFE

ONE-HALF DOZEN PAIRS IN A BOX.

NOXALL FERRULES AND -HOOKS.



No. 7—Plow size, malleable, ferrule, 1¼ in. in diameter inside small end, ⅝ in wrought steel hook, w't per doz. 6 lbs. .....per dozen **JIJ** $1.50

No. 5—Wagon size, malleable ferrule, 1⅛ in. in diameter inside small end, ⅛ in. wrought steel hook, w't per doz. 7¼ lbs. .....per dozen **AJJ** $1.70

Notice lug on ferrule—absolutely safe.

SHAFT COUPLINGS.



Without Eye, Best Norway Iron, Finished.

Nos.	20	21	24
Eye, in.	⅜	1	1
Stem, in.	¼	⅛	⅛
Bolt, in.	⅞	⅞	1
Clip, in.	2¼	3	3¼
W't, doz. prs., lbs.	11	12	14
Per dozen pairs	$3.50	3.75	4.00
	BJE	BJE	BFE
Nos.		27	28
Eye, in.		1⅛	1¼
Stem, in.		⅛	⅛
Bolt, in.		1	1
Clip, in.		3⅝	4¼
W't per doz. prs., lbs.		18	21
Per dozen pairs		$3.25	7.00
		CCJ	DJJ

ONE-HALF DOZEN PAIRS IN A BOX.

EYES FOR SHAFT COUPLINGS.



Best Norway Iron, Finished.

Nos.	10	11	14
Eye, in.	⅜	1	1
Stem, in.	⅛	⅛	⅛
Bolt, in.	⅛	¾	⅞
W't, doz. prs., lbs.	8¼	11½	14
Per dozen pairs	$2.20	2.20	2.40
	ACJ	ACJ	ADE
Nos.		17	18
Eye, in.		1⅛	1¼
Stem, in.		⅜	⅜
Bolt, in.		1	1
W't per doz. prs., lbs.		14	15
Per dozen pairs		$2.60	3.00
		AEE	AHJ

ONE-HALF DOZEN IN A BOX.

WAGON HARDWARE.

SECTION RIVETS.



Flat Countersunk Head. Bung Head.

Flat Countersunk Head.

No. 5½—Diameter ⅝ in., length ⅜, ½, ⅝, ¾, ⅞ and 1 in., per pound ..... JH $0.24

Bung Head.

No. 05½—Diameter ⅝ in., length ⅞, 1, ⅛, ¾ and 1 in.....per pound JH $0.24

Always specify length.

ONE POUND IN A PACKAGE.

WAGON BODY RIVETS.



3-16 Inch, Wrought Iron, Flat Head.

No. 43—Length 1, 1¼, 1½, 1¾, 2, 2¼, 2½ and 3 in.....per pound J F $0.21

No. 43—Length ¼ in., per pound ..... J F $0.21½

No. 43—Length ½ in., per pound ..... J F $0.22

¼ Inch, Wrought Iron, Flat Head.

No. 44—Length 1, 1¼, 1½, 1¾, 2, 2¼, 2½, 3, 3½ and 4 in., per pound ..... J F $0.20

No. 44—Length ¾ in., per pound ..... J F $0.20½

No. 44—Length ½ in., per pound ..... J F $0.21

In ordering give size.

FIVE POUNDS IN A BOX.



3-16 Inch, Soft Steel, Oval Head.

No. 53—Length 1, 1¼, 1½, 1¾, 2, 2¼, 2½ and 3 in.....per pound J F $0.21

No. 53—Length ¾ in., per pound ..... J F $0.21½

No. 53—Length ½ in., per pound ..... J F $0.22

¼ Inch, Soft Steel, Oval Head.

No. 54—Length 1, 1¼, 1½, 1¾, 2, 2¼, 2½, 3, 3½ and 4 in., per pound ..... J F $0.20

No. 54—Length ¾ in., per pound ..... J F $0.20½

No. 54—Length ½ in., per pound ..... J F $0.21

In ordering, give size.

FIVE POUNDS IN A BOX.

CALIFORNIA TIRE RIVETS AND BURRS.



Wrought Iron.

No. 64—¼ in., length 2, 2¼, 2½, 2¾, 3 and 3½ in.....per pound AC $0.33

No. 65—⅝ in., length 2, 2¼, 2½, 2¾, 3 and 3½ in.....per pound AB $0.30

Extra Burrs, for ¼ in., per pound ..... AC $0.33

Extra Burrs, for ⅝ in., per pound ..... AB $0.30

In ordering, give size.

FIVE POUNDS IN A BOX.

LEATHER WASHERS.



REVERE Adjustable, Nut and Collar.

No. 100 REVERE—In.	⅞	1	1¼
Per hundred	$0.90	1.00	1.15
	AG	JAI	JBB
No. 100 REVERE—Inches....		1¼	1½
Per hundred		$1.50	2.00
		JBF	JCA

⅞ TO 1¼ IN., ONE HUNDRED; 1¼ AND 1½ IN., FIFTY IN A BOX.

Adjustable, Nut and Collar.

No. 150—Inches	⅞	1	1⅛
Per hundred	$0.75	.85	.95
	AF	AH	BJ
No. 150—Inches		1¼ ..	1½
Per hundred		$1.25	1.50
		JBD	JBI

ONE HUNDRED IN A BOX.



Solid, Assorted Nut and Collar.

No. 200—For Axle, in. ..	⅞	1	1⅛	1¼
Per box of 5 sets	$0.80	.90	1.00	1.10
	AF	AH	JAI	JBB

FIVE SETS IN A BOX.

CLIP KING BOLTS.



Finished, Norway Iron, with Collar.

Nos.	1	2	3
Clip, in.	4½	4½	5½
Stem, in.	½	⅝	¾
Thread end, in.	⅝	¾	⅞
W't per doz., lbs....	7	8	12
Per dozen	$4.25	4.50	5.00
	BDJ	BEJ	BIJ

NOS. 1 AND 2, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

ANTI-RATTLERS.



REVERE—Quick Shift, japanned steel spring, malleable iron shaft bolt, size of bolt ⅜ or ⅞ in., w't per doz. prs. 8 lbs.....per dozen pairs BDJ $3.50

A combination shaft bolt and anti-rattler which can be very quickly applied and will hold very securely.

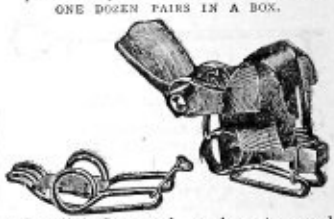


No. 2. No. 1.

No. 2—Burton's, cold rolled steel riveted, japanned, without bolt holder, w't per doz. prs. 1½ lbs., per dozen pairs ..... EE $0.90

No. 1—Burton's, cold rolled steel, riveted, japanned, with bolt holder, w't per doz. prs. 2½ lbs., per dozen pairs ..... JHE $1.40

ONE DOZEN PAIRS IN A BOX.



No. 1901—Japanned steel spring and plate, w't per doz. prs. 3 lbs., per dozen pairs ..... JGJ $1.20

The large coil gives great elasticity and long life. The shape of plate draws the coil to the inside when attached.

ONE DOZEN PAIRS IN A BOX.

T-HEAD SHAFT AND WHIFFLE-TREE BOLTS.



1-4 Inch Shaft Bolts.

Lengths, in.	1½	1¾	2
W't per 100, lbs.....	4	4½	5
Per 100	$3.20	3.30	3.40
	AFE	AGJ	AGE
Lengths, in.		2¼ ..	2½
W't per 100, lbs.....		5½	6
Per 100		$5.50	3.60
		AHJ	AHE

5-16 Inch Whiffletree Bolts.

Lengths, in.	3½	4	4½
W't per 100 lbs.....	13	14	16
Per 100	$5.00	5.30	5.60
	CFJ	CFJ	CFJ

3-8 Inch Whiffletree Bolts.

Lengths, in.	3½	4	4½
W't per 100, lbs.....	20	22	23
Per 100	$6.70	7.10	7.50
	DBJ	DBJ	DBJ

FIFTY IN A PACKAGE.

WAGON HARDWARE.

WAGON BOX RODS.



No 2—Narrow track, without collar, ⅜x39 in., w't per doz. 18 lbs., per dozen .....**AJJ** $1.35

No. 12—Wide track, without collar, ⅜x45 in., w't per doz. 20 lbs., per dozen .....**AAE** $1.60



No. 1—Narrow track, with collar, ⅜x39 in., w't per doz. 18 lbs., per dozen .....**JIJ** $1.50

No. 11—Wide track, with collar, ⅜x43 in., w't per doz. 20 lbs., per dozen .....**AJJ** $1.75

No. 11½—Wide track, with collar, ⅜x43 in., w't per doz. 22 lbs., per dozen .....**ABJ** $1.75

No. 21—With collar, ⅞x39 in., w't per doz. 20 lbs.....per dozen **AEE** $2.25

Extra Nuts, for ⅜ in., per dozen .....AH $0.75



Drop Handle Nuts.

No. 20—Narrow track, without collar, ⅜x39 in., w't per doz. 18 lbs., per dozen .....**AJJ** $1.70

No. 120—Wide track, without collar, ⅜x45 in., w't per doz. 20 lbs., per dozen .....**AAE** $2.00



Drop Handle Nuts.

No. 10—Narrow track, with collar, ⅜x39 in., w't per doz. 18 lbs., per dozen .....**AAJ** $2.00

No. 110—Wide track with collar, ⅜x43 in., w't per doz. 20 lbs., per dozen .....**AAE** $2.00

No. 110½—Wide track, with collar, ⅜x45 in., w't per doz. 22 lbs., per dozen .....**ABJ** $2.00

No. 111—Wide track, with collar and drop handle nuts, ⅞x43 in., otherwise same as No. 110, w't per doz. 23 lbs., per dozen .....**ADE** $2.40

TWENTY-FIVE IN A BUNDLE.

WAGON BOX SIDE BRACES.



Wrought, with Two Nuts, in Sets of Eight.

Nos.	25	26	35	36
Length, in...	⅞x12	⅞x14	⅛x14	⅛x16
W't, set, lbs.	5	5¾	6½	7¾
Per set.....	$0.65	.65	1.00	1.00
	DF	DF	JFE	JHJ

WAGON BOX STRAP BOLTS.



Wrought Iron, in Sets of Eight.

Nos.	01	1	2	3
Length, in..	10	12	12	14
Diam. at screw end, in....	½	½	⅝	⅝
W't, set, lbs.	4	4½	6	7
Per set	$1.00	1.05	1.15	1.25
	JBI	JCD	JDH	JDA
Nos.		4	5	6
Length, in.....		12	14	16
Diam. at screw end, in.....		⅝	⅝	⅝
W't per set, lbs....		7	8	9
Per set		$1.15	1.30	1.45
		JDH	JFJ	JFE

HOOK END WAGON BOX STRAP BOLTS.



Wrought Iron, in Sets of Eight.

No. 15—Length 14 in., screw ⅝ in., w't per set 9 lbs.....per set **JEJ** $1.45

No. 16—Length 16 in., screw ⅝ in., w't per set 9½ lbs.....per set **JEE** $1.60

For entire length, add 1½ inches.

WAGON BOX ROD NUTS.



Regular,

No. 3—⅜ in. threaded, w't per doz. ⅜ lb.....per dozen **AH** $0.30

No. 4—⅞ in. threaded, w't per doz. 1 lb.....per dozen **AH** $0.30



Drop Handle.

No. 5—⅜ in. threaded, w't per doz. 2½ lbs.....per dozen **CJ** $0.50

No. 6—⅞ in. threaded, w't per doz. 3⅞ lbs.....per dozen **CJ** $0.60

SEAT SPRINGS.



Two Leaf, Painted Red.

Size, in.....	1¼x24	1¾x25	1½x26
W't per pair, lbs...	10	11	12
Per pair	$0.90	1.00	1.25
	EE	JFJ	JEJ



Three Leaf, Painted Red.

Size 1½x28 in., w't per pr. 20 lbs., per pair .....**JHE** $1.75

WHIFFLETREE HOOKS.



No. A70—⅜ in., malleable iron, screw shank, 3 in. long, w't per doz. prs. 1½ lbs. ....per dozen pairs **CE** $0.60

No. B70—⅞ in., malleable iron, screw shank, 3½ in. long, w't per doz. prs. 1¾ lbs., per dozen pairs **CF** $0.60



Malleable Iron, Japanned, Self-Closing.

No. B80—Inches....	⅞	1	1⅛
W't, doz. prs., lbs...	6	7	8
Per dozen pairs $5.00		5.00	5.75
		BDJ	BDJ	BFE
No. B80—Inches....	1¼	1⅜	1½
W't, doz. prs., lbs...	11	13	14
Per dozen pairs $6.50		7.50	8.50
		BIE	CDJ	CIJ

ONE-HALF DOZEN PAIRS IN A BOX.

THIMBLE SKEINS.



D. V. & Co. Pattern.

Inches.	W't per set, lbs.	Per Set.
2 x 6	23	$3.25★
2 x 6½	24	3.25★
2⅛x 6½	27	3.50★
2¼x 7	32	3.75
2¼x 7½	32	4.00
2⅜x 7	32	4.00★
2⅜x 7½	32	4.00★
2½x 7	35	4.50
2½x 7½	35	4.50
2½x 8	39	4.75
2¾x 8	45	5.25
2¾x 8½	48	5.40
2¾x 9	50	6.00
3 x 9	57	6.00
3 x10	60	6.50★

Inches.	W't per set, lbs.	Per Set.
3¼x 9	71	$7.00
3¼x10	74	7.50
3¼x11	68	7.75
3½x10	77	8.00
3½x10½	77	8.00★
3½x11	87	8.30
3½x12	87	8.80★
3¾x11	94	9.00
3¾x12	96	9.40
4 x12	111	10.60
4¼x12	143	15.00
4½x12	171	18.00★
4½x13	187	20.00★
5 x14	252	25.00

F. O. B. Chicago, **EB**%.

★F. O. B. Carpenterville, Ill., **EG**%.

JACK SCREWS AND JACKS.

JACK SCREWS.



Cast Iron Barrel, Bell Bottom, Steel Screw and Collar, Forged Head.

Screw is full size, about ⅛ in. larger than other makes.

Broad flange on bottom of jack gives larger bearing surface on the ground. The forged head cannot loosen under severe strain as will occur with other jack screws.

Hollow handle for holding the bar is a special feature of these jack screws.

Levers will be sent only when ordered, and will be charged extra.

Disc. Diam. of screw, in.	Stock Height of stand, in.	GE% W't, lbs.	Factory★ Price. GJ%
1¼	6	10	$3.10
1¼	8	12	3.40
1¼	10	13	3.80
1¼	12	15	4.20★
1¼	14	17	4.60★
1½	6	12	3.75
1½	8	14	4.25
1½	10	17	4.75
1½	12	19	5.25
1½	14	21	6.00★
1½	16	24	6.75★
1¾	6	15	4.50★
1¾	8	18	5.00
1¾	10	20	5.75
1¾	12	25	6.25
1¾	14	29	6.75
1¾	16	32	7.50★
2	6	19	5.25
2	8	22	6.00
2	10	26	6.75
2	12	30	7.50
2	14	35	8.25
2	16	37	9.25★
2	18	42	10.25★
2	20	46	11.50★
2	22	47	12.50★
2	24	59	13.50★
2¼	10	30	8.25★
2¼	12	34	9.00★
2¼	14	41	10.00★
2¼	16	42	11.00★
2¼	18	44	12.00★
2¼	20	54	13.25★
2½	10	35	9.75★
2½	12	41	10.75★
2½	14	43	12.00★
2½	16	50	13.25★
2½	18	56	14.50★
2½	20	60	15.75★
2½	22	64	17.00★
2½	24	75	18.25★
2½	30	93	24.00★
3	16	68	20.75★
3	20	84	23.25★
3	24	103	25.75★
3	30	125	30.00★

Diam. of screws, in.	Capacity, tons.	For height over all add to height of stand, in.
1¼	10	2½
1½	12	2½
1¾	16	2¾
2	20	3½
2¼	24	3¾
2½	28	4
3	36	5

JACK SCREW LEVERS.

Round Steel Bar, Plain Finish.

Nos.	1¼	1½	2
Diam., in.	⅝	¾	⅞
Length, in.	24	24	24
For jack screws, in.	1¼	1¾	2
W't per doz., lbs.	25	36	49
Per dozen	$2.40	3.60	4.80
	ADE	BAE	BIJ

ONE DOZEN IN A BUNDLE.

BUGGY OR WAGON JACKS.



Japanned Steel, Operated by Compound Levers, Lifting Perpendicularly.

Nos.	1	2	3
Cap., lbs.	500	1000	1800
W't doz., lbs.	70	130	175
Per dozen	$12.00	16.00	24.00
	JGBJ	JIFJ	ADDJ



Miller, Hard Maple, with Steel Braces at Top, Folds Up Close for Shipment by Removing One Bolt.

Nos.	111	112
Thickness, in.	1	1⅜
Cap., lbs.	2000	4000
W't per doz., lbs.	120	156
Per dozen	$12.00	18.00
	JIJJ	AJHJ

ONE-HALF DOZEN IN A CRATE.

★*FOR FACTORY SHIPMENT ONLY.*

BARTH JACKS.



Nos. 03 and 01.



No. 02.

Barth, Highest Grade Malleable Iron, Carefully Selected and Thoroughly Tested, Double Action, Reversible.

No. 01—Finished with two coats spartan red enamel, height, rack down, 10½ in., rise of rack 7 in., capacity 1 ton, w't per doz. 78 lbs., per dozen★ .....**AIDE** $27.00

No. 03—Black japanned finish, w't per doz. 78 lbs., otherwise same as No. 01, per dozen .....**AGCJ** $24.00

No. 07—Finished with aluminum paint, w't per doz. 78 lbs., otherwise same as No. 1★ .....per dozen **AGCJ** $24.00

These jacks are light, durable and strong; adapted for any kind of pleasure cars or light power trucks with low wheels.

No. 02—Height, rack down, 14½ in., rise of rack 11 in., capacity 1 ton, w't per doz. 108 lbs., per dozen **BCGE** $33.00

Designed especially for a wagon jack and an all around farm jack of one ton capacity; also useful for high wheel automobiles.



No. 4—Black japanned finish, height, rack down, 14 in., rise of rack 8 in., capacity 3 tons, w't per doz. 240 lbs., per dozen .....**EAHE** $72.00

For lifting farm machinery, small traction engines, heavily loaded drays, motor trucks, brewery or coal wagons.

No. 5—Black japanned finish, height, rack down, 18 in., rise of rack 11 in., capacity 6 tons, w't per doz. 396 lbs., per dozen .....**JGGGE** $108.00

Especially adapted for heavy traction engines and separators. It is compact and light in weight making it easy to handle.

No. 6—Black japanned finish, height, rack down, 20 in., rise of rack 12 in., capacity 10 tons, w't per doz. 816 lbs., per dozen★ .....**ACHBE** $192.00

For use around the heaviest traction engines, ditching machines, for house movers, contractors, mining, transfer and truck companies, or any person engaged in moving heavy machinery.

BARRETT JACKS.

Malleable Iron Frame or Base, Forged Steel Rack with Machine Cut Teeth, Drop Forged High Carbon Steel Pawls and Fulcrum Pin, Hardened Steel Bearings, Selected Ash or Hickory Handles, Large Rectangular Base, Ribbed Frame, with Both Top and Bottom Steps, for High-Set or Low-Set Loads.

TRACK OR TRIP JACKS.



Adopted as Standard and Recommended by the Roadmasters' Association, Suitable for Track Work Only. Load Can Be Instantly Dropped From Any Elevation. Double Action Jacks Raise the Load One Notch at Both The Up and Down Stroke of the Lever. Single Action Jacks Raise the Load Only on the Down Stroke of the Lever.

No. 1-B—Double acting, capacity 10 tons, height 24 in., raise 13½ in., w't each 65 lbs.★ .....each **JGEE** $18.00

No. 6-B—Double acting, capacity 15 tons, height 31 in., raise 19 in., w't each 110 lbs.★.....each **ACDE** $32.00

No. 17-B—Single acting, capacity 10 tons, height 24 in., raise 13¾ lbs., w't each 65 lbs.★ .....each **JHDJ** $20.00

No. 20-B—Single acting, capacity 15 tons, height 31 in., raise 19 in., w't each 110 lbs.★ .....each **ACDE** $32.00

LOOSE.

AUTOMATIC LOWERING JACKS.



For General Lifting Purposes. Double Acting Jacks Raise the Load one Notch at Both the Up and Down Stroke of the Lever. Single Acting Jacks Raise the Load Only on the Down Stroke of the Lever.

No. 50-B—Double acting, capacity 5 tons, height 16 in., raise 8 in., w't each 35 lbs.★ .....each **JFGJ** $16.00

No. 2-B—Double acting, capacity 10 tons, height 21 in., raise 10 in., w't each 73 lbs.★ .....each **AJEJ** $25.00

No. 3-B—Double acting, capacity 12 tons, height 26½ in., raise 15 in., w't each 95 lbs.★.....each **ABFJ** $30.00

No. 4-B—Double acting, capacity 15 tons, height 22 in., raise 10 in., w't each 106 lbs.★ .....each **ADGJ** $35.00

No. 5-B—Double acting, capacity 15 tons, height 28 in., raise 15 in., w't each 124 lbs.★ .....each **AFHJ** $40.00

No. 18-B—Single acting, capacity 10 tons, height 21 in., raise 10 in., w't each 75 lbs.★ .....each **AJFJ** $25.00

No .19-B—Single acting, capacity 15 tons, height 28 in., raise 17½ in., w't each 117 lbs.★ .....each **ADGJ** $35.00

LOOSE.

MISCELLANEOUS HARDWARE SUPPLIES.

FELLOE OILERS.



F. O. B. Chicago.

No. 103—Galvanized iron, nested 3, 3½, 4 and 4½ in. wide, length 26 in., w't per doz. 18 lbs...per dozen **BIE** $5.50



F. O. B. Chicago.

No. 102—Cast iron, length 29 in., for ordinary 2 in. tires, w't per doz. 120 lbs., per dozen ..... **EDJ** $9.00

No. 101—Cast iron, length 33 in., for wide tires, w't per doz. 240 lbs., per dozen ..... **JIJJ** $18.00

FOOT WARMERS.



Soapstone, with Wire Bail.

Nos.	2	3	4	5
Size, in.	7x9	8x10	8x12	10x12
W't per doz., lbs.	100	125	165	200
Per dozen	$4.37	5.00	5.62	6.25
	BIJ	**CCJ**	**CHJ**	**DJJ**

ONE DOZEN IN A CRATE.

MECHANICS' AND HARDWARE MEN'S SOAP.



Wenzelmanns', made from pure vegetable oils, in bars weighing about ½ lb., w't per box 12 lbs., per box of 25 bars ..... **BDJ** $3.50

Removes stove polish, paint, oil and hardware dirt in general. Good for cleaning cases and windows.

Contains less lye than other soaps, is a mild but quick cleanser, has a healing effect on the skin, leaving it soft. Lathers freely in either hard or soft water.

Goes twice as far as other soap. Prepared especially for busy people, hardware men, printers, miners, plumbers, engineers, painters, foundrymen, railroad men, tinners, carpenters, mechanics, blacksmiths, farmers and all who get dirty hands.

WE DO NOT BREAK BOXES.

AXLE GREASE.



Extra Quality Light Axle Grease, in Four Color Lithographed Cans and Pails.

In Cans.

1 lb., one-quarter gross in a case, per gross ..... **AAEJ** $19.50

3½ lb., one-sixth gross in a case, per gross ..... **CJFJ** $51.00

In Pails.

10 lb.,	per dozen pails	**JGHJ**	$13.00
15 lb.,	per dozen pails	**JIFJ**	16.00
25 lb.,	per dozen pails	**AEFJ**	26.00



Graphite, in Tin Cans.

No. 51—1 lb., one-third gross cans in a case, w't per case 70 lbs., per gross ..... **AJHJ** $16.00

No. 53—3 lb., one and two dozen cans in a case, w't per case of 2 doz. cans, 90 lbs. .....per gross **BHHJ** $38.00

It is made from pure lubricating oils, contains no lumps, and has great wearing qualities. This grease contains a large percentage of graphite, which is unsurpassed as a lubricant. It will not run or gum, and is not affected by heat or cold. It is adapted for light and heavy wagons, drays and farm machinery. The graphite adheres to the spindle and prevents the grease from running.

AXLE GREASE.



In Boxes.

Hub Lightning ...per gross **FFJ** $7.50
ONE-THIRD GROSS IN A CASE.

Frazer's .....per gross **AADJ** 13.00
ONE-QUARTER GROSS IN A CASE. W'T 55 LBS. PER CASE.

AXLE GREASE.



In Tin Cans.

Small, Frazer's, wagon, w't per can about 1½ lbs....per dozen **ADJ** $1.75

Medium, Frazer's, wagon, w't per can about 2½ lbs. ..per dozen **BEJ** $3.25

TWO DOZEN IN A CASE.



Wagon.

In Wood Pails.

15 lb.,	Hub Lightning, per dozen pails	**JGIJ**	$10.80
25 lb.,	Hub Lightning, per dozen pails	**AJHJ**	$14.50
15 lb.,	Frazer's, wagon, per dozen pails	**AJHJ**	$12.00
25 lb.,	Frazer's, wagon, per dozen pails	**AGCJ**	$18.00



1 and 3 lbs. 10 and 25 lbs.

REVONOC

1 lb., one-third gross cans in a case, w't per case 70 lbs., per gross ..... **JIDJ** $15.00

3 lb., one and two dozen cans in a case, w't per case of 2 doz. cans 90 lbs., per gross ..... **BCFE** $36.00

In Pails.

10 lbs. ....per dozen pails **JFBJ** $10.00

25 lbs. ....per dozen pails **AJGJ** 18.00

It is made of pure lubricating oils, is of even consistency and will not run or gum.

It is dark color and its uniformly high fire and viscosity test combined with a good cold test insures smooth and uniform lubrication under all conditions and in all seasons.

WE DO NOT BREAK BOXES ON AXLE GREASE.

HORSE SHOE NAILS, CALKS AND CALK WRENCHES.

HORSE SHOE NAILS.



Drop Forged, Regular Head, Extra Quality Cold Drawn Steel Body, Beveled Corners, Reinforced Points, Hammer Pointed and Well Polished, Will Not Split or Break in Driving.

Nos.	5	6	7	8
Per pound	$0.26	.23	.21	.20
	AG	AF	AE	AE

Horse Shoe Nails are made of steel of extreme toughness and ductility. Every "run" of metal is subjected to a searching chemical analysis to insure exact uniformity of product. The steel is manipulated to secure a high tensile strength and to eliminate the possibility of fracture.

FIVE POUNDS IN A PACKAGE; TWENTY-FIVE POUNDS IN A BOX.

PERFECT.



Regular Head, Forged, Hot Rolled Shank, Hammer Pointed, and Well Polished, a Good Nail for a Small Price.

No. PR—Sizes No.	5	6	7	8
Per pound	$0.22	.19	.17	.16
	AB	AB	AB	AB

FIVE POUNDS IN A PACKAGE; TWENTY-FIVE POUNDS IN A BOX.

STAR.



Regular, or Country Head, Cold Drawn, Hammer Pointed and Polished.

No. SR—Sizes No.	5	6	7	8
Per pound	$0.26	.23	.21	.20
	AG	AG	AG	AG

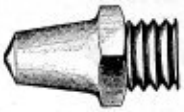
FIVE POUNDS IN A PACKAGE; TWENTY-FIVE POUNDS IN A BOX.

Number to the Pound, All Brands.

Numbers	5	6	7	8
City head	199	149	122	95
Regular head	184	138	108	87

WE DO NOT BREAK FIVE POUND BOXES.

SCREW CALKS.



NEVER-SLIP, RED-TIP, STEEL CENTER.
Square Shoulder, Soft Steel Outer Shell, Welded to Tool Steel Center.

No. NS—Size—Diam. of threaded shank, in..	⅛		7/32
For shoes, size	0 & 1		2 & 3
W't per case of 1000, lbs.	27		43
Per 1000	$27.00		29.00
	BBHJ		BEAJ

No. NS—Size—Diam. of threaded shank, in.	⅛	9/64	5/32
For shoes, size	4	5	6,7,8
W't per case of 1000, lbs.	60	77	100
Per 1000	$29.00	32.00	32.00
	BEAJ	BGCE	BGCE

FIFTY IN A PASTEBOARD BOX; 1000 OF ONE SIZE IN A CASE.

Soft rolled threads of perfect taper, identical with the threads of Rowe, Black Diamond, Sure Grip and other standard brands. Will fit any standard tapped shoes.

LOOSE.



BLIZZARD STEEL CENTER.

No. BS—Size—Diam. of threaded shank, in	⅛		7/32
For shoes, size	0 & 1		2 & 3
W't per case of 1000, lbs.	27		43
Per 1000	$24.00		27.00
	BJEJ		BBHJ

No. BS—Size—Diam. of threaded shank, in.	⅛	9/64	5/32
For shoes, size	4	5	6,7,8
W't per case of 1000, lbs.	60	77	100
Per 1000	$27.00	29.00	29.00
	BBHJ	BEAJ	BEAJ

FIFTY IN A PASTEBOARD BOX; 1000 OF ONE SIZE IN A CASE.

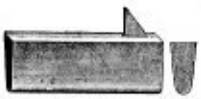
NEVER SLIP CALK WRENCHES.



No. 50—Drop forged steel, will fit all sizes of screw calks, w't per doz. 20 lbs. .....per dozen **GIB** $9.60

JUNIATA TOE CALKS.

Made of Toe Calk steel, which combines the proper wearing and welding qualities, shaped into scientifically correct lines and dimensions. Especial attention is called to the nib set back from the end. This nib is properly placed, pointed and tapered, insures perfect welding and prevents the possibility of fracturing the shoe or interfering with the crease and nail hole.



No. M—Medium or country pattern.....per lb. F $0.10

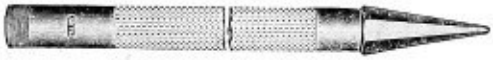
No. 2	1¾x2½x1½
No. 3	2 x ¾ x1⅝
No. 4	2¼x⅞x 7/16

PACKED IN TWENTY-FIVE POUND BOXES. WE DO NOT BREAK BOXES.

BRASS JACKET DRIVE WELL POINTS.

Entire Page, except Drive Caps, G J %.

Wrought Iron Pipe, Punched Elliptical Holes and Galvanized, Covered with Brass Wire Gauze.



Point with Gauze and Jacket on.



Point Punched with Elliptical Holes Before Gauze is put on.

These points have the holes punched a uniform distance apart, are galvanized outside and in after the holes are punched, and are, therefore, non-corrosive.

Nos.	Diam., in.	Lgth. Pt., in.	Lgth. Jkt., in.	No. of Holes	W't Each, Lbs.	No. 60 Gauze, Per doz.	No. 70 Gauze, Per doz.	No. 80 Gauze, Per doz.	No. 90 Gauze, Per doz.	No. 100 Gauze, Per doz.
74	1	24	18	72	4½	$33.00	$40.00	$46.00	$52.00	$62.00
76	1	30	24	96	5½	42.00	49.00	56.00	64.00	78.00
78	1	36	30	120	6½	51.00	59.00	66.00	76.00	94.00
80	1	42	36	144	7¾	60.00	68.00	76.00	88.00	120.00
82	1	48	42	168	8¼	69.00	78.00	86.00	100.00	136.00
84	1	54	48	197	8¾	78.00	87.00	96.00	112.00	152.00
86	1¼	20	14	80	5	30.00	36.00	42.00	50.00	64.00
90	1¼	24	18	100	5½	36.00	44.00	52.00	60.00	80.00
94	1¼	30	24	130	6½	46.00	55.00	64.00	75.00	100.00
98	1¼	36	30	165	7½	56.00	66.00	76.00	90.00	120.00
100	1¼	42	36	200	8½	66.00	77.00	88.00	105.00	140.00
102	1¼	48	42	270	9½	76.00	88.00	100.00	120.00	160.00
106	1¼	54	48	260	10½	86.00	99.00	112.00	135.00	180.00
110	1¼	60	54	290	11½	96.00	110.00	124.00	150.00	200.00
112	1¼	66	60	320	12½	106.00	121.00	136.00	165.00	220.00
114	1¼	72	66	350	13½	116.00	132.00	148.00	180.00	240.00
136	1½	24	18	120	7	48.00	57.00	65.00	78.00	94.00
140	1½	30	24	162	8¼	60.00	70.00	80.00	96.00	118.00
144	1½	36	30	198	9¼	72.00	84.00	95.00	114.00	142.00
146	1½	42	36	240	10¾	84.00	97.00	110.00	132.00	166.00
148	1½	48	42	276	12	96.00	111.00	125.00	150.00	188.00
150	1½	54	48	312	13¼	108.00	124.00	140.00	168.00	204.00
152	1½	60	54	348	14¼	120.00	138.00	155.00	186.00	228.00
154	1½	66	60	384	15¼	132.00	151.00	170.00	204.00	252.00
156	1½	72	66	420	17	144.00	165.00	185.00	222.00	276.00
160	2	24	18	144	10	75.00	85.00	94.00	110.00	130.00
164	2	30	24	208	11¾	90.00	101.00	112.00	132.00	160.00
168	2	36	30	264	13½	105.00	118.00	130.00	154.00	190.00
170	2	42	36	288	15¼	120.00	134.00	148.00	176.00	220.00
172	2	48	42	336	17	135.00	151.00	166.00	198.00	250.00
174	2	54	48	384	18¾	150.00	167.00	184.00	220.00	280.00
176	2	60	54	432	20½	165.00	184.00	202.00	242.00	310.00
178	2	66	60	480	22¼	180.00	200.00	220.00	264.00	340.00
180	2	72	66	528	24	195.00	217.00	238.00	286.00	370.00
184	2½	36	30	300	22	180.00	205.00	230.00	260.00	300.00
188	2½	48	42	360	27½	230.00	265.00	300.00	340.00	400.00
192	2½	60	54	420	33	280.00	325.00	370.00	420.00	500.00
196	2½	72	66	480	38½	330.00	385.00	440.00	500.00	600.00
200	3	36	30	300	29	240.00	275.00	310.00	340.00	410.00
204	3	48	42	420	36½	300.00	345.00	390.00	430.00	520.00
208	3	60	54	540	44	360.00	415.00	470.00	520.00	630.00
212	3	72	66	660	52½	420.00	485.00	550.00	610.00	740.00
216	4	48	36	360	61½	480.00	520.00	560.00	600.00	700.00
220	4	72	60	600	72	630.00	695.00	760.00	840.00	1000.00
224	4	96	84	840	93	780.00	870.00	960.00	1080.00	1300.00
228	4	120	108	1080	114	930.00	1045.00	1160.00	1320.00	1600.00

WELL POINT EXTENSIONS.



Wrought Iron Pipe, Galvanized. Price list same as above.

DRIVE CAPS.



No. 510—Drive Caps, malleable, iron, for 1¼ in. pipe, per dozen.....AFE. $2.40

FLUSH OR TUBULAR WELL POINTS.

WELL POINTS DISCOUNT, GJ%.

Wrought Iron Pipe, Galvanized, with Covered Jacket, Brass Gauze.



No.	Diameter, in.	Length of Point, in.	Length of Jacket, in.	Number of Holes	W't Each, lbs.	No. 60 Gauze, Per Doz.	No. 70 Gauze, Per Doz.	No. 80 Gauze, Per Doz.	No. 90 Gauze, Per Doz.	No. 100 Gauze, Per Doz.
73	1	30	18	72	5½	$34.00	$40.00	$45.00	$50.00	$55.00
75	1	36	18	72	6¼	38.00	44.00	50.00	56.00	66.00
75½	1	36	24	96	6¾	43.00	49.00	55.00	62.00	77.00
77	1	42	24	96	7¾	47.00	54.00	60.00	68.00	82.00
77½	1	42	30	120	7¾	52.00	59.00	65.00	74.00	93.00
79	1	48	30	120	8¼	56.00	63.00	70.00	80.00	98.00
79½	1	48	36	144	8¼	61.00	68.00	75.00	86.00	109.00
81	1	54	36	144	8¾	65.00	73.00	80.00	92.00	114.00
81½	1	54	42	144	8¾	70.00	78.00	85.00	98.00	125.00
83	1	60	42	168	9¼	71.00	82.00	90.00	104.00	130.00
116	1¼	24	18	100	5½	36.00	44.00	52.00	60.00	80.00
117	1¼	30	18	100	6½	41.00	49.00	57.00	65.00	85.00
117½	1¼	30	24	130	6½	46.00	55.00	64.00	75.00	100.00
118	1¼	36	24	130	7½	51.00	60.00	68.00	80.00	105.00
119	1¼	42	24	130	8½	56.00	65.00	73.00	85.00	110.00
120	1¼	48	24	130	9½	61.00	70.00	78.00	90.00	115.00
121	1¼	36	30	165	7½	56.00	66.00	76.00	90.00	120.00
122	1¼	42	30	165	8½	61.00	71.00	80.00	95.00	125.00
123	1¼	48	30	165	9½	66.00	76.00	85.00	100.00	130.00
124	1¼	54	30	165	10½	71.00	81.00	92.00	105.00	135.00
125	1¼	42	36	200	8½	66.00	77.00	88.00	105.00	140.00
126	1¼	48	36	200	9½	71.00	82.00	92.00	110.00	145.00
127	1¼	54	36	200	10½	76.00	87.00	97.00	115.00	150.00
128	1¼	60	36	200	11½	81.00	92.00	102.00	120.00	155.00
130	1¼	54	42	230	10½	81.00	92.00	104.00	125.00	165.00
130½	1¼	60	42	230	11½	86.00	98.00	110.00	130.00	170.00
131	1¼	66	42	230	12½	91.00	103.00	115.00	135.00	175.00
132	1¼	60	48	260	11½	91.00	104.00	116.00	140.00	180.00
133	1¼	66	48	260	12½	96.00	109.00	122.00	145.00	185.00
135	1¼	72	48	260	13½	101.00	114.00	127.00	150.00	190.00

The plug is securely riveted to enable point to be driven from the inside.

WASHER DRIVE WELL POINTS.

Wrought Iron Pipe, Galvanized, Bored and Countersunk, Holes Covered with Brass Gauze, Held in Place by a Brass Washer, and Riveted.



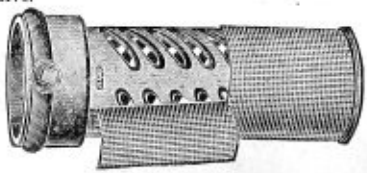
With Gauze removed to show construction.

No.	Diameter, in.	Length of Pipe, in.	Number of Holes	W't Each, lbs.	No. 60 Gauze, Per Doz.	No. 70 Gauze, Per Doz.	No. 80 Gauze, Per Doz.	No. 90 Gauze, Per Doz.	No. 100 Gauze, Per Doz.
300	1¼	20	50	5	$30.00	$36.00	$42.00	$50.00	$64.00
301	1¼	24	60	5½	36.00	44.00	52.00	60.00	80.00
302	1¼	30	80	6½	46.00	55.00	64.00	75.00	100.00
303	1¼	36	100	7½	56.00	66.00	76.00	90.00	120.00
304	1¼	42	120	8½	66.00	77.00	88.00	105.00	140.00
305	1¼	48	140	9½	76.00	88.00	100.00	120.00	160.00
320	1½	24	80	7	48.00	57.00	65.00	78.00	94.00
321	1½	30	110	8¼	60.00	70.00	80.00	96.00	118.00
322	1½	36	130	9½	72.00	84.00	95.00	114.00	142.00
323	1½	42	150	10¾	84.00	97.00	110.00	132.00	160.00
324	2	30	140	11¾	90.00	101.00	112.00	132.00	160.00
325	2	36	170	13½	105.00	118.00	130.00	154.00	190.00
326	2	42	220	15¼	120.00	134.00	148.00	176.00	220.00

SUCTION PIPE STRAINERS.

Made of Malleable Iron, Galvanized Outside and In, Will Not Break, Covered with a Good Quality of Brass Wire Cloth, and is Non-Corrosive.

No. 338—Size, inches	1	1¼	1½
Wt' per doz., lbs.	12	15	16
Each	$0.28	.32	.36
	BJ	BC	BE



"STAR POINTER" FORCE PUMPS.



No. 205.

HAND POWER, DOUBLE ACTING, ANTI-FREEZING, FOR DEEP OR SHALLOW WELLS.

The Star Pointer No. 205 is used as a lift pump or for forcing water through a hose with less effort than any other pump on the market.

Is provided with upper and lower brass cylinders, so that the flow is divided between the upward and downward strokes of the handle. The water filling the upper cylinder and not discharged from the spout on down stroke of handle, is discharged on the up stroke, giving an even, steady flow from the spout.

The base being adjustable, the distance between the spout and platform can be increased to suit conditions.

The materials used are the very best gray and malleable iron castings, steel rods, heavy seamless brass tubing and high class workmanship. From base to bottom of chamber is 4½ ft., from base to spout 21 in. Painted maroon and neatly striped with gold.

No.	Size.	Upper cylinder in.	Lower cylinder in.	Suction pipe in.	Stroke in.	Tapped for lead pipe in.	Ship'g w't lbs.	Each.
205	1	1⅝	2½x10	1¼	6	1¼	80	$17.00★ JHAE
205	2	2	3 x10	1¼	6	1¼	80	$17.00★ JHAE
205	3	2	3½x10	1½	6	1¼	80	$18.00★ JHFE

Pump Standard only, tapped for 1¼ in. pipe, each ..... JEGE $12.00★

With Three-Way Valves for Underground Pipe Connection to Tank in House or any Part of Premises.

No.	Size.	Upper cylinder in.	Lower cylinder in.	Suction pipe in.	Stroke in.	Tapped for lead pipe in.	Ship'g w't lbs.	Each.
205	1	1⅝	2½x10	1¼	6	1¼	80	$19.00★ JIAJ
205	2	2	3 x10	1¼	6	1¼	80	$19.00★ JIAJ
205	3	½	3½x10	1½	6	1¼	80	$20.00★ JIFJ

Pump Standard only, tapped for 1¼ in. pipe, each ..... JFGJ $14.00★

We furnish cylinder 12 in. long without extra charge when specified.

Where set length is wanted, specify in order, no extra charge.

The pump is provided with ⅜ in. rod coupling, ⅞ in. coupling furnished if preferred.



WINDMILL OR HAND POWER, DOUBLE ACTING, WITH THREE-WAY VALVE, ANTI-FREEZING, STEADY FLOW.



No. 305.

These pumps are designed to be used with wind-mill, gasoline engine or hand power.

The water is discharged as rapidly as supplied by each stroke, consequently no surplus of water is created in the pump. Stream being even and steady, no back pressure or pounding is created in pipe or pump.

Satisfactory results are guaranteed with three-inch cylinder under any eight-foot windmill in wells where water stands 100 feet or more from the surface. In the average well we recommend the use of a 3½-inch cylinder, which means water in satisfactory quantities for stock purposes.

All three-way seats are brass, thus insuring a long life to the rubber three-way valve. The flat rod is of steel and extra long, thus giving a stiff, straight stroke. All parts are malleable iron, painted maroon and neatly striped with gold.

Elbow connection to underground pipe is of heavy malleable iron. If stroke longer than 10-inch is wanted, upper and lower cylinders can be supplied to suit condition at slight additional cost.

Where opening in well is less than 8 in., a well pit must be provided for.

No.	Size.	Upper cylinder in.	Lower cylinder in.	Suction pipe in.	Stroke in.	Tapped for lead pipe in.	Ship'g w't lbs.	Each.
305	2	1¼x 8	2 x10	1¼	6	1¼	100	$21.00★ AJAJ
305	3	1¾x 8	2½x10	1¼	6	1¼	100	$21.00★ AJAJ
305	4	1¾x 8	3 x10	1¼	6	1¼	100	$21.00★ AJAJ
305	5	2 x 8	3½x10	1½	6	1¼	100	$22.00★ AJEE
305	6	1½x12	2 x12	1¼	10	1¼	100	$21.50★ AJCJ
305	7	1⅝x12	2½x12	1¼	10	1¼	100	$21.50★ AJCJ
305	8	1⅝x12	3 x12	1¼	10	1¼	100	$21.50★ AJCJ
305	9	2 x12	3½x12	1½	10	1¼	100	$22.50★ AJHJ

Without three-way valve deduct $2.00 from list.

Pump Standard only, with three-way valve, tapped for 1¼-in. pipe ..... each JGGJ $16.00★

Pump Standard only, without three-way valve, tapped for 1¼ in. pipe ..... each JFGJ $14.00★

Where set length is wanted specify in order, no extra charge.

Unless otherwise specified these pumps are furnished with three-way valve for distributing water to any part of premises.

Can be furnished for any stroke of windmill longer than 10 in. when so specified.

HOW TO ASCERTAIN LENGTH OF PIPE AND ROD REQUIRED FOR PUMP.

All Star Pointer pumps extend 4½ ft. below the platform, consequently this should be deducted from the depth of the well. The cylinder is 14 in. long and as the pipe should not extend closer than 1 ft. from the bottom of the well so that 6½ ft. can be deducted from the distance from the platform to the bottom of the well, which would give the required amount of pipe. The cylinder can be placed anywhere within the vacuum limit, which is 27 or 28 ft., but in practice it is best to place it about 15 ft. above the average surface of the water. The rod (⅜ or ⅞ in.) necessary can be ascertained by deducting the length of pipe below the cylinder from the total length of pipe required.

EXAMPLE—To find the quantity of pipe and rod necessary for a well 75 ft. deep, containing 3 ft. of water: See illustration above.

From 75 ft., the depth from platform to bottom of well, deduct the following: 4½ ft., distance from platform to bottom of pump; 14 in., total length of cylinder; 1 ft., distance from bottom of well to lower end of suction pipe; giving total of 6 ft. 8 in. to be deducted, leaving 68 ft. 4 in., amount of pipe needed.

Deduct from 68 ft. 4 in. (quantity of pipe required) 17 ft. (length of suction pipe), leaving 51 ft. 4 in., amount of rod required.

IN ORDERING STATE NUMBER AND SIZE, DETERMINE THIS BY DIAMETER OF WELL, NOT DEPTH.

★*FOR FACTORY SHIPMENT ONLY.*

WELL CURBS, PLATFORMS AND TUBING.

WELL CURBS.



No. 20.



Showing No. 30 in Use.

Galvanized Steel, Painted and Varnished.

No. 29—**Gem**, made of 4 pieces of steel, height 36 in., diameter 14½ in., extension base 8x16 in., spout 1¾x6½ in., 10 fork roller wheel, diameter 10⅝ in., w't packed 27 lbs., each ..... **BFJ** $3.25

No. 30—**IXL**, made of 3 pieces of steel. height 40 in., diameter 16 in., base 9x17 in., spout 1¾x6¼ in., 10 fork roller wheel, diameter 12 in., w't packed 40 lbs..... each **CEE** $4.75

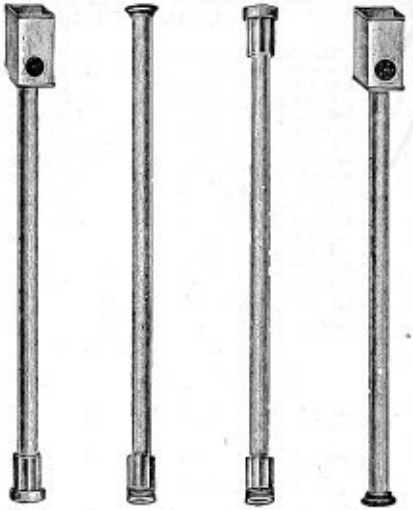
Covered with two coats of paint and varnished. Will not rot, rust, warp or fall to pieces. No rivets or solder used in construction. All parts securely locked by seams and will not come apart.

PUMP PLATFORMS.



No. 31—33x35 in., cast iron, japanned, for IXL pumps, w't 80 lbs. ..... each **DHJ** $7.00

IXL PUMP TUBING.



No. 33. No. 34. No. 35. No. 36.

24 Gauge Galvanized Steel, Adapted to all Well Curbs.

No. 33—Reservoir, with half coupling, 5, 6, 7, 8, 9 and 10 ft. lengths, to be used in connection with funnel tubing in wells from 10 to 19 ft. deep ..... per 100 feet **JFFJ** $11.00

No. 34—Funnel, with half coupling, 6, 8 and 10 ft. lengths, to be used in connection with reservoir tubing in wells from 10 to 19 ft. deep ..... per 100 feet **JFFJ** $11.00

No. 35—Plain, with half coupling on each end to connect ends of Nos. 33 and 34, respectively, 8 and 10 ft., used in wells deeper than 19 ft. to lengthen reservoir and funnel tubing to required depth ..... per 100 feet **JFFJ** $11.00

No. 36—Reservoir, with funnel, 9 to 10 ft. lengths, to be used without couplings in wells 8 and 9 ft. deep, per 100 feet..... **JFFJ** $11.00

Leaves the water clear and pure, will not rust, rot, or accumulate filth, never freezes. Weighs only ½ lb. to the foot and can be used in wells as deep as 40 ft. Can be used with any style of pump curb, wood or iron, as the stirrup on all other curbs will fit the square reservoir box.

To get proper length of tubing for cistern, add 1 ft. to depth of cistern from platform to bottom. This will give proper allowance for tubing in curb and the right distance it should hang from bottom.

PRICE PER FOOT DOES NOT INCLUDE COUPLINGS.

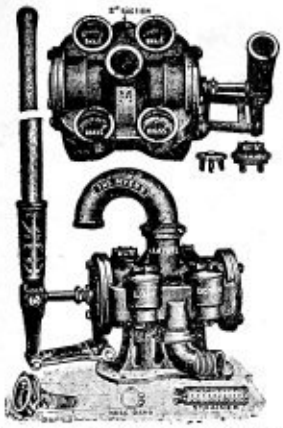


*Showing couplings and method of attaching.

No. 38—Extra couplings for connecting IXL tubing, per pair ..... **AH** $0.25

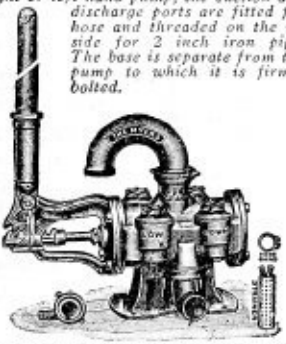
PUMPS.

THRESHER FORCE TANK PUMPS.



No. 470—Myers, low down, double acting, 5x5 in. polished cylinder, brass valve seats, heavy valves faced with rubber, 1⅜ in. drawn polished steel piston rod, with heavy brass stuffing nut and reversible handle, equipped with 1 in. discharge hose attachments and 1 in. iron nozzle, 2 in. strainer and hose clamp, w't 100 lbs., each .....**JFJE** $13.90

This pump is so constructed that all valves are located on top of the pump. The valves are of the poppet pattern, which raise clear from the seat, preventing any foreign substance from lodging under them. The handle can be placed on either end, making it either a right or left hand pump, the suction and discharge ports are fitted for hose and threaded on the inside for 2 inch iron pipe. The base is separate from the pump to which it is firmly bolted.



No. R470—Myer's, low down, cog gear, 5x5 in. polished cylinder, brass valve seats, heavy valves faced with rubber, 1⅜ in. drawn polished steel piston rod with heavy brass stuffing nut and reversible handle, also equipped with 1 in. discharge hose attachments and 1 in. iron discharge nozzle, 2 in. strainer and hose clamp, w't 100 lbs., each .....**JFCE** $13.50

This is the same pump as No. 470, with the exception of the cog gear handle arrangement by means of which the power necessary to operate the pump reduced 25% to 40% over the old style plain handle.

SET LENGTH PUMPS.

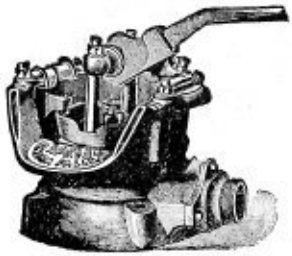


No. 50—3x10 in. iron cylinder with brass valve seat, best grade plunger and valve leathers, cast iron standard, revolving open top, painted green with gilt trimmings, with set screw, large spout and waterways, good length handle, powerful fulcrum, tapped for 1¼ in. pipe, w't 63 lbs., each **CBJ** $6.50

This pump is anti-freezing, has the regular four-foot set length and is especially adapted for cisterns or wells not over 25 feet deep. By lowering the cylinder to within 15 feet of the water, it may be used in deeper wells. Is carefully made of all new iron.

No. 58—Lighter weight, without brass valve seat, w't 56 lbs., otherwise same as No. 50 .....each **BHE** $6.00

No. 210—Brass lined cylinder, brass plunger yoke and poppet valve, otherwise same as No. 50, each **DEJ** $7.00



No. 3—3 in. Diaphragm or suction, iron body made in two sections, side suction cut for pipe thread unless otherwise ordered, suction valve is metal, rubber faced, and easily removed, wrought iron and reversible lever, approximate capacity 3,500 gal. per hour, w't each 175 lbs., each .....**AFJJ** $24.00

Is used for pumping out cellars, trenches, and as a bilge pump on vessels, barges, etc. Gritty matter in the water will not affect the action.

HOUSE FORCE PUMPS.



No. 53—3 in. iron cylinder and body, painted blue, spout is a ¾ in. brass lever handle hose bibb, base has brass valve seat fitted with trip valves to drain pump, and bottom nut threaded for 1¼ in. iron pipe, cap has brass priming plug, back outlet is threaded for 1 in. iron pipe, fulcrum ring revolves so that handle can be placed in any desired position, stuffing nut is brass, piston rod ⅝ in. brass covered, w't each 30 lbs. .each **EEJ** $8.00

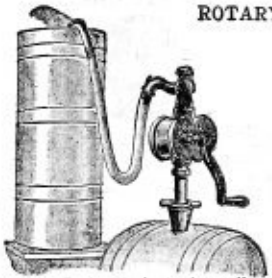
No. 52—3 in. iron cylinder and body, painted blue, iron spout, threaded for 1 in. pipe and for 1 in. hose coupling at outer end, iron cap on spout screws on discharge end of spout when water is forced through outlet of pump, other than spout this pump is the same as No. 53.....each **DBJ** $6.00

No. 153—3 in. nickel plated brass cylinder, brass faucet spout, brass covered piston rod and brass stuffing nut, cylinder is heavy seamless brass tubing screwed into place, all brass parts are highly polished and nickel plated, iron parts painted blue, otherwise same as No. 53.....each **FEJ** $9.30

No. 152—3 in. nickel plated brass cylinder, brass covered piston rod, brass stuffing nut, iron spout threaded for 1 in. pipe and for 1 in. hose coupling at outer end, iron cap on spout screws on discharge end of spout when water is forced through back outlet, all brass parts are highly polished and nickel plated, otherwise than spout, same as No. 153.....each **EDJ** $7.30

These pumps are for use on shallow wells and cisterns not over 25 feet deep (20 ft. vertical suction is a more practical limit.

ROTARY FORCE PUMPS.



NOTE—For pumping wines, liquors, vinegar and saline solution, bronze case and cams should be used.

per set .....**BHBJ** $47.00

No. 1—Handy, iron, top discharge and spout, crank handle, iron suction pipe with threaded taper sleeve secured with thumb screw, capacity 10 gal. with 100 revolutions per minute, 1 in. suction pipe, discharges are at end of spout for 1 in. hose and at top of spout for 1 in. hose, hose is not included, w't complete 41 lbs., each .....**JGHJ** $17.00

The threaded taper sleeve will fit any bung hole from 1½ to 3 in. in diam. The end of the suction pipe is sharpened and when forced into the barrel will hold the pump firmly. With this outfit fluids can be transferred from barrels to tanks or other receptacles at a distance. The price includes hose couplings and bent discharge piece or hook spout. The lift and force is 60 ft.

PUMPS, CYLINDERS, VALVES, ETC.

PITCHER SPOUT PUMPS.



Closed Revolving Top, Painted Green with Gilt Stripes.

Nos.	1	2	3	4
Size of cylinder, in..	2½	3	3½	4
Size of pipe, in.	1	1¼	1¼	1½
Approx. w't, lbs.	21	23	25	29
Each	$4.25	4.75	5.25	6.25
	AAJ	ABJ	ABE	ADE

Lead Pipe Couplings, in ordering specify size wanted .....each **J F** $0.15

Handles may be adjusted to any position desired.

EUREKA TUBULAR CYLINDERS.



No. 450—Seamless drawn brass tubing, brass lower check valve and plunger, complete with 2 leather plungers, check valve and spring dog coupling.

Size well	2	2½
Inside diam.	1⅜	2¼
Stroke	12	12
W't, lbs.	7	9
Each	$6.40	11.00
	CDJ	JEFJ

They are let down into the well through the pipe after pipe is set to receive them. The cylinder is crowded down into the pipe by means of a seating tool. The spring dog coupling at lower end of cylinder holds firmly to the inside of the pipe, thus keeping the cylinder in place where set.

Cylinder is revolved by means of seating tool to expand the rubber ring which is between the spring dog coupling and the cylinder, the expanding rubber ring making a water tight joint, which is necessary. The seating tool is withdrawn and check valve and plunger let down into place in cylinder.

LOOSE.

CYLINDERS.



No. 6—3x10 in., all iron, w't 10½ lbs., each .....**AAJ** $5.00

No. 6½—3x12 in., all iron, w't 12½ lbs., each .....**AFJ** $7.00

No. 6½—3½x10 in., all iron, w't 13½ lbs., each .....**AFJ** $7.00

No. 7—3x10 in., brass lined, w't 12½ lbs., each .....**CJJ** $9.00

No. 7¼—3x12 in., brass lined, w't 13½ lbs. .....each **CBE** $9.50

No. 7½—3½x12 in., brass lined, w't 14½ lbs. .....each **JCHE** $11.25

The all iron cylinder has brass valve seat. The average common iron cylinder does not possess this feature. The brass lined cylinder has brass valve seat, brass plunger yoke and poppet valve. The plunger and valve leathers in both the all iron and brass lined cylinders are the very best obtainable.

PITCHER SPOUT PUMP REPAIRS.



Plungers and Rods Complete.

Nos.	01	02	03
Each	$0.50	.60	.70
	CE	DJ	EJ

Handles for Nos. 1, 2 and 3, each .....**BH** $0.50

COMBINATION FOOT VALVES AND STRAINERS.



No. 44—1 in., w't 2 5/16 lbs., each .....**CJ** $0.42

No. 52—1¼ in., w't 2⅞ lbs., each .....**CE** .48

Used at lower end of suction pipe, below pitcher spout pumps or below cylinder suspended in well or cistern. The valve in it holds the water in the pipe, preventing leakage back into the well or cistern. The strainer prevents sticks, leaves, etc., being drawn into the suction pipe or cylinder to cause trouble. Especially recommended for use on long suction pipes, either vertical or horizontal.

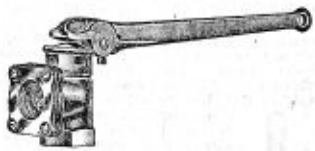
BALL FLOAT VALVES.



No. 75—Heavy brass body, pure gum ball, perfect working lever, diam. 1 in., length 18 in., w't per doz. 24 lbs. .....per dozen **ABIJ** $19.50

The brass valve seat is tapered to fit the rubber ball valve. The ball is held in place by the lever, but is perfectly free in the cage. The water passing through turns the ball, so that the wear is even on all parts, and it is always sure to seat perfectly. The ball being free in the cage also drops onto its seat and acts as a check valve, a feature not found in other valves. When the ball rises by dropping of the lever, the water comes out freely through openings in the side of the valve as shown. These valves will automatically control the flow of water into supply tanks, cisterns, stock tanks, etc., and when in connection with automatic regulating pumps, will effectually prevent windmills from "creeping into gear."

FLOAT AND OUTLET VALVES.



No. 76—Heavy brass body, pure gum ball and lever, valve seat brass tapered to fit rubber ball valve, 1 in., w't per doz. 45 lbs., per dozen .....**AHFE** $32.40

The ball is held in place by the lever, yet is perfectly free in cage. Ball revolves as water passes through and seats perfectly, giving even wear on all parts. Water may be withdrawn through inlet or feed pipe and ball being free in cage always drops onto its seat and acts as a check valve, a feature not to be found on other valves.

LOOSE.

TANK FLOATS.



No. 33—Heavy galvanized iron, diam. 12 in., guaranteed air tight, per dozen .....**JGBJ** $10.00

Can be bolted to the lever attached to the valve to open and close automatically.

WATER ELEVATORS AND PUMP FIXTURES.

STAR WATER ELEVATORS.

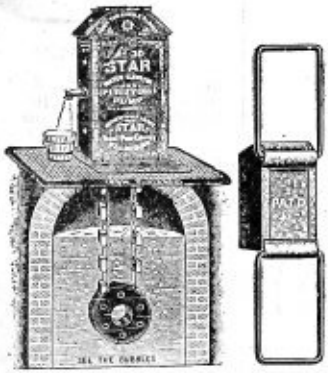


No. 250—Star, curb of 24 gauge galvanized iron with heavy hoops at top and bottom, well painted, nicely decorated and finished with a very heavy coat of varnish, best galvanized iron buckets, double seamed and riveted, japanned cast iron fixtures, complete with 25-ft. chain, w't 85 lbs., each ..... **JGBJ** $12.00

No. 20—Extra chain for Star elevators, per foot **AA** $0.18½

Substantially built, attractive in appearance and will positively purify the water in well or cistern in a short time. The bottom hoop is so placed that it allows the body of the curve to project into the opening of well or cistern cover. This, with the special feature of the fixtures being placed below the top line of the curb, prevents any water from leaking out, thus insuring a dry platform.

Fixtures are packed inside curb, chain in bundles on outside.



No. 130—Star, curb of thoroughly seasoned lumber, carefully selected, dressed and matched, put together with cement coated nails, two coats of paint, artistically lettered and decorated, finished with an extra heavy coat of varnish, best galvanized iron buckets, double seamed and riveted, japanned cast iron fixtures, complete with 25-ft. chain, sufficient for 10-ft. well, w't 83 lbs. .....each **EDE** $9.00

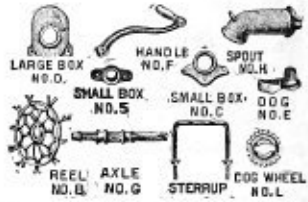
CHAIN AND FIXTURES COMPLETE FOR TEN-FOOT WELL PACKED INSIDE CURB.

REPAIRS FOR STAR WATER ELEVATORS.



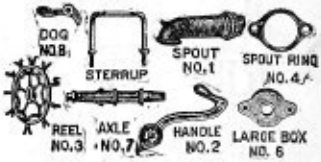
No. 4—Axle	per dozen	**BJE**	$3.60
No. 5—Gearing Journal Box, No. 7 Ratchet attached, per dozen		**CBE**	3.60
No. 6—Cog Wheel	per dozen	**BFJ**	3.60
No. 8—Cranks	per dozen	**CBE**	3.60
No. 10—Gearing complete, fitted	per dozen	**JHFE**	11.00

REPAIRS FOR IXL PUMP FIXTURES.



No. B—Reel	per dozen	**CIJ**	$6.50
No. D—Large Box	per dozen	**AHJ**	3.00
No. C—Small Box	per dozen	**ABJ**	2.00
No. E—Dog	per dozen	**JHJ**	1.20
No. F—Handle	per dozen	**BAJ**	3.50
No. G—Axle	per dozen	**BBJ**	3.50
No. H—Spout	per dozen	**DAJ**	6.50
No. L—Cog wheel	per dozen	**AEJ**	2.40
Sterrup	per dozen	**AJE**	2.00
IXL Fixtures, complete set	per set	**AEAJ**	21.60

REPAIRS FOR GEM PUMP FIXTURES.



No. 3—Reel	per dozen	**CFJ**	$6.00
No. 1—Spout	per dozen	**CJJ**	5.00
No. 2—Handle	per dozen	**BCJ**	4.50
No. 4—Spout Ring	per dozen	**ABJ**	2.00
No. 5—Small Box	per dozen	**JGJ**	1.20
No. 6—Large Box	per dozen	**ADJ**	2.40
No. 7—Axle	per dozen	**AAE**	3.60
No. 8—Dog	per dozen	**JGJ**	1.20
Sterrup,	per dozen	**ABJ**	2.00
Gem Fixtures, complete set	per set	**ABJJ**	18.00

CHAIN PUMP FIXTURES.



No. 10—10 fork roller, for rubber bucket chain, w't per doz. sets 73 lbs. ..... per dozen sets **DAE** $9.00

ONE SET IN A PACKAGE.

PUMP FIXTURES.

SWIVEL WATER CONDUCTORS.





Cast Iron, Japanned Swivel, with Wire Loop.

Nos.	100	101	102
Threaded for pipe, in.	1¼	1½	2
W't per doz., lbs....	48	48	53
Per dozen $6.00	6.00	6.00	
	CJJ	CJJ	CJJ

The above cut shows the way the conductor and pipe can be attached to any spout and adjusted to carry water in any direction, any distance, by attaching more pipe.

RUBBER BUCKETS.



Wyckoff. Star. IXL.

Wyckoff, white rubber galvanized iron link, w't per 100 15½ lbs., per hundred .....CFJ $7.50

Star, flat top, rubber supporting braces, galvanized iron link, w't per 100 10½ lbs. .....per hundred DBJ $8.00

IXL, best quality rubber, galvanized link, anti-freezing, self-adjusting, reversible, w't per 100 12½ lbs., per hundred .....JEDE $10.40

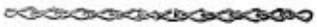


Cooper. Victor Showing Rubber in Use. Turned Back.

Cooper, white rubber, galvanized iron link, w't per 100 10½ lbs., per hundred .....CCJ $7.00

Victor, best quality white rubber, galvanized malleable iron link, adjustable thumb nut, w't per 100 13 lbs., per hundred .....JHDE $13.00

PUMP CHAINS.



No. 6—Galvanized, for rubber buckets, w't per 100 ft. 30 lbs., per hundred pounds ....JGBJ $13.90

PUMP RODS.



Galvanized, in 18 Ft. Lengths.

⅝ in. .....per pound JE $0.10
⅞ in. .....per pound JE .10

PUMP ROD COUPLINGS.



Galvanized.

In.	⅜	½	⅝ to ⅜
Per lb. $0.25	.25	.28	
	BA	BA	BA

WELL WHEELS.



Japanned Iron, Swivel Hook.

Sizes, in. ...	8	10	12	14
W't doz., lbs.	42	60	72	120
Per dozen ..$3.25	4.00	5.00	8.25	
	BFE	CFJ	DEJ	FIJ

WELL BUCKET VALVES.



No. 60— Diam., in..	4	4½	5	6
W't doz., lbs.	5¼	6½	7	8½
Per dozen ..$3.15	3.15	3.15	3.15	
	AHJ	AHJ	AHJ	AHJ

REVONOC PUMP LEATHERS.



Valve. Plunger.

Valve. Nos.	1	2	3
Diam., in.	3	3½	4
For Cylinder size in.	2½	3	3½
Per dozen $0.90	1.10	1.50	
	FJ	JHJ	ABJ
Plunger. Nos.	21	22	23
Diam., in.	3	3½	4
For Cylinder size in.	2½	3	3½
Per dozen $0.90	1.10	1.50	
	FJ	JHJ	ABJ

ONE DOZEN IN A BOX.

CRIMPED PLUNGER LEATHERS.



REVONOC

Extra Black.

Nos.	114	112	134
Diam., in.	1¼	1½	1¾
Per dozen $1.00	1.20	1.50	
	JDB	JEE	JGE
Nos.	200	212	300
Diam., in.	2	2½	3
Per dozen $1.80	2.40	3.00	
	JHC	ABJ	ADE
Nos.	314	312	400
Diam., in.	3¼	3½	4
Per dozen $3.60	4.50	6.50	
	AGJ	BBJ	BIE

No. 212 is for No. 1 Pitcher Spout Pump; No. 300 for No. 2; No. 312 for No. 3.

REVONOC *Leathers are made from selected hydraulic stock and are thoroughly waterproofed.*

ONE DOZEN IN A BOX.



REVONOC

Nos.	8	9	10	10½
Diam., in. ..	1¼	1½	1¾	1¾
Per dozen ..$0.50	.60	.75	.90	
	BH	DJ	ED	FJ
Nos.	11	12	13	
Diam., in.	2	2½	3	
Per dozen $0.90	1.20	1.50		
	FJ	JHE	AAJ	
Nos.	14	15	16	
Diam., in.	3¼	3½	4	
Per dozen $1.80	2.20	3.30		
	ABJ	AFJ	BAJ	

No. 12 is for No. 1 pitcher spout pump; No. 13 for No. 2; No. 15 for No. 3.

TWO DOZEN IN A BOX.

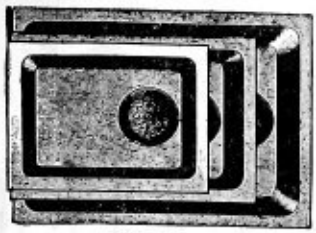
REVONOC THRESHER TANK PUMP VALVES.



No. 25—Leather, diam. 5 in., w't per doz. 1¾ lbs. ....per dozen CFJ $5.50

SINKS, SINK BRACKETS, ETC.

SINKS.



Cast Iron.

No. 65—In...	16x24	16x28	16x30	18x30
W't, lbs. ...	27	35	37½	35
Each	$1.90	2.10	2.25	2.50
	AAE	ABE	ADJ	AEJ

No. 65—In...	20x30	18x32	18x36	20x36
W't, lbs. ...	41	43	48	59
Each	$3.00	3.00	3.25	3.70
	AHJ	AHJ	BJJ	BBJ





For Iron Pipe.



For Lead Pipe.

White Enameled, Cast Iron, Waste Connection.

No. 58—In...	16x24	16x28	16x30	18x30
W't, lbs. ...	30	38	40	41
Each	$6.50	7.50	7.75	8.50
	BIE	CCE	CEJ	CJJ

No. 58—In.....	18x36	20x30	20x36
W't, lbs.	49	43	57
Each	$9.50	9.00	10.50
	DBJ	CDJ	JDFJ

Improved coupling. No bolts required. For strainer, very simple and easily attached.

White Enameled, Old Style Coupling and Strainer—Strainer Attached with Bolts.

No. 59—Inches	16x24	18x30	20x30
W't, lbs.	40	50	60
Each	$5.00	7.50	8.00
	BGJ	BGE	CBJ



Wrought Steel.

No. 44—In.	16x24	18x30	18x36
W't, lbs.	9	12	15
Each	$2.00	2.50	3.25
	ABJ	AEJ	AHE

No. 44—In.	20x30	20x36
W't, lbs.	15	16
Each	$3.00	3.75
	AHJ	BCJ

SINKS.



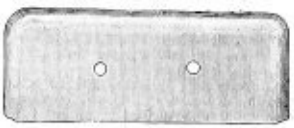
White Porcelain Enameled, Roll Rim, 12 in. Back Cast in One Piece, Depth 7 in., Outside Painted White, Concealed Wall Hangers, Nickel Plated Strainers, Without Trimmings.

No. 60—In.	18x30	20x30
W't, lbs.	131	136
Each	$13.00	13.50
	JGHJ	JHAJ

Sinks are not furnished with adjustable bibbs and "P" traps.

ONE IN A CRATE.

SINK BACKS.



White Porcelain Enameled, Roll Rim, Deep Pattern for Flat Rim Sinks.

Nos.	30	36
Size, in.	12x30x1¼	12x36x1¼
W't, lbs.	25	29
Each	$3.60	4.60
	BAE	BGE

FIVE IN A BOX.

DRAIN BOARDS.



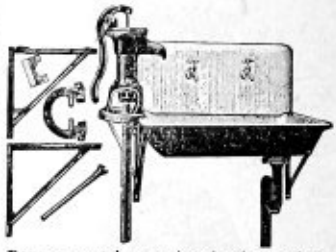
White Porcelain Enameled, Right or Left Hand, One Painted Bracket, For Roll or Flat Rim Sinks.

Nos.	18	20
Size, in.	18x24	20x24
W't, lbs.	50	56
Each	$6.00	6.50
	CFJ	CIJ

Wherever a drain board is used it is customary to place a piece of rubber packing between the drain board and the sink to avoid scratching the enamel.

ONE IN A CRATE INCLUDING ONE BRACKET.

PUMP AND SINK BRACKETS.



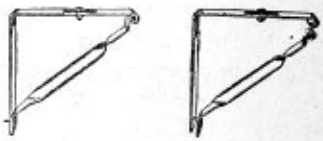
Banner, cast iron, painted, w't per doz. sets 150 lbs., per dozen sets ..... AHJ J $30.00

Can be attached to any kitchen sink and does not damage in any way. On the left of the above cut is shown a set of Banner pump and sink brackets, and on the right a set as applied to a pump and sink, which thoroughly locks them together as well as furnishes a drip from the pump. As the brackets are interchangeable, the pump can be on either the right or left hand side.

This bracket is neat, small and compact, yet very sanitary and serviceable, does away with all wooden parts, and occupies the least possible amount of space.

SIX SETS IN A CASE.

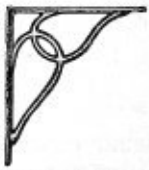
SINK BRACKETS.



Syracuse Steel.

Nos.	1	2
Size, in.	10½x14	12x16
Takes sinks wide, in....	14to18	18to20
W't per doz. prs., lbs....	34	38
Per dozen pairs	$6.00	7.20
	CFJ	DCJ

Notice that the brace in these comes to the extreme end of the bracket, which makes it considerably stronger than the old style. The twist in the brace also adds to its strength.



Japanned, Cast Iron.

Nos.	3	4
Size, in.	14x16	16x18
W't per doz. prs., lbs....	96	108
Per dozen pairs	$10.00	10.50
	JFJJ	JFCJ

Each bracket has six screw holes which are machined out after the brackets are cast.

PLUMBING SUNDRIES

SINK STRAINERS.



No. 1301—Nickel plated for old style couplings on white enameled sinks, diam. 4⅜ in. .....each **BJ** $0.40

SINK STOPPERS.



No. 9—Rubber plate, fits any sink, converts sink into a dish pan or wash tub, w't per doz. 1¼ lbs., per dozen .....**AEJ** $2.50

ONE DOZEN IN A BOX.

BASIN AND BATH TUB PLUGS.



Rubber with Nickel Plated Ring.

No. 308—				
Diam., in..	1	1⅛	1⅓	1⅓
W't, doz., oz.	8	10	12	16
Per dozen ..	$0.80	.84	.96	1.10
	DE	**EJ**	**EE**	**JFE**

SUCTION BASIN AND BATH PLUGS.



No. 309—Suction Basin Plugs, 2⅛ in. in diam. .....per dozen **AJE** $1.80

No. 310—Suction Bath Plugs 2¼ in. in diam. .....per dozen **AEJ** $2.50

SINK COUPLINGS.



Cast Iron, Iron Pipe Thread.

No. 1—For 1¼ in., w't per doz. 12 lbs., per dozen .....**BCJ** $6.00

No. 2—For 1½ in., w't per doz. 12 lbs., per dozen .....**BFJ** $6.60

No. 21—1¼ in., for new style coupling, to fit No. 58 sink .....each **CJ** $0.50

RUBBER GASKET.



No. 112—Solid rubber, for sink couplings .....per dozen **FJ** $0.70

TWELVE DOZEN IN A BOX.

HAND FORCE CUPS.



For cleaning the discharge pipes of basins, bath tubs, sinks, etc. Turn water into tub or bowl to a depth of several inches, place rubber cap over vent and force down quickly several times.

No. 2—3½ in. in diam., w't per doz. 3 lbs. .....per dozen **BDJ** $4.00

No. 3—4⅛ in. diam., w't per doz. 4½ lbs. .....per dozen **CJJ** $5.00

ONE-HALF DOZEN IN A CARTON.

FORCE PUMPS.



Seamless Rubber Cup, with Valve, 42 Inch Handle.

No. 25 [illegible]—Highest quality, diam. 4¼ in., w't per doz. 16 lbs. including handles .....per dozen **JGBJ** $24.00

No. 26 [illegible]—Extra quality, diam. 4¼ in., w't per doz. 16 lbs. including handles .....per dozen **JEDJ** $18.00

No. 27 [illegible]—Highest quality, red rubber, diam. 4¼ in., w't per doz. 16 lbs. including handles, per dozen .....**JGBJ** $24.00

Sampson, diam. 6 in., double pressure regular size, especially adapted for sinks, w't per doz. 20 lbs. including handles .....per dozen **AJHJ** $36.00

ONE-HALF DOZEN IN A CARTON.

PRESTO PIPE OPENER.



For Removing Obstructions from Waste and Drain Pipes.

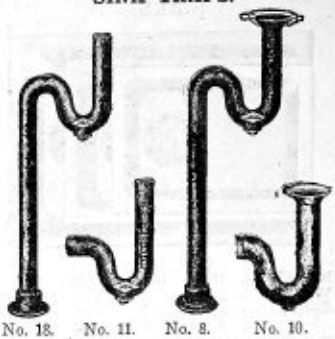
No. 7—A combination of minerals so combined that upon the application of water a chemical reaction takes place forming intense heat which dissolves all obstructions, such as grease, rags, paper, hair, etc., put up in air tight tin cans, w't per doz. cans 18 lbs., per dozen cans .....**DHJ** $6.00

Presto is a disinfectant, sanitary and economcal, a necessity in every household. Does away with large plumbing bills. An attractive display easel is packed in each case which retails at $0.50.

TWO DOZEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

SINK TRAPS.



No. 18. No. 11. No. 8. No. 10.

DIAMOND, Cast Iron, Painted, Long Outlet, Length Over All About 2 Feet, Adjustable Floor Flange Threaded for Iron Pipe, Fitted with One Brass Cleanout Screw, W't Each 7½ Lbs.

For Lead Pipe.

Nos.	8	80
Diam. in.	1¼	1½
Each	$1.50	2.00
	AJE	**ADE**

Both Ends Threaded for Iron Pipe.

Nos.	18	82
Diam., in.	1¼	1½
Each	$1.50	2.00
	AJE	**ADE**

DIAMOND, Universal Cast Iron, Painted, Fitted with One Cleanout Plug, W't Each 3 Lbs.

For Lead Pipe.

Nos.	10	100
Diam., in.	1¼	1½
Each	$0.75	1.00
	EE	**JGJ**

Both Ends Threaded for Iron Pipe.

Nos.	11	101
Diam., in.	1¼	1½
Each	$0.75	1.00
	EE	**JGJ**

BOTTLE TRAPS.



Cast Iron, Painted, Both Ends Threaded, Female Iron Pipe, Fitted with Brass Cleanout Plug.

No. 23—1¼ in. .....each **JGJ** $1.00

No. 29—1½ in. .....each **AJE** 1.50

FLUE CLEANERS, MALLEABLE IRON ELBOWS, TEES, ETC.

FLUE CLEANERS.



RUGGLES' PERFECTION, Cast Steel, Spring Steel Blades.

Size, in.	1¼	1½	1¾	2
W't, lb.	¾	⅞	1	1⅛
Each	$2.00★	2.00	2.00	2.00
	AAE	AAE	AAE	AAE
Size, in.	2¼	2½	2¾	3
W't, lbs.	1⅛	1	1¼	1½
Each	$2.25★	2.50	2.75★	3.00
	ACJ	ADE	AEE	AGE
Size, in.	3¼	3½		4
W't, lbs.	1¾	1⅞		2½
Each	$3.25★	3.50		4.00
	AHE	BJE		BCJ
Size, in.	4½	5		6
W't, lbs.	3	4		5½
Each	$5.00★	6.00★		7.00★
	BIJ	CDJ		DJJ

No screws or rivets, made of best material, light, strong and simple. Cutters arranged so as to be always in direct contact with the metal of the flues, will override any irregularities of the tubes such as blisters and welds. The blades have a long shearing cut with a tendency like a plane to work in deeper, which keeps the knives always sharp. The size given is the outside diameter of the boiler flue for which the cleaner is intended, all boiler flues being designated by the outside diameter.

Engineer's Favorite, Steel.



Nos.	570	572	573	575	576
Diam., in.	2	2½	3	3½	4
W't, lbs.	1¼	1½	2¼	3	4¼
Each	$2.00	2.50	3.00	3.50	4.00
	JEJ	JFJ	JFE	JHJ	JIJ

LOOSE.



Double. Wire Brush.

Nos.	660	663
Width, in.	4½	3
Length, in.	5	5
Thickness, in.	1¾	2½
W't, lbs.	1½	1½
Each	$2.00	2.00
	ABJ	ABJ

For cleaning hot water and steam heaters. LOOSE.



Round, Without Handle, Fine Round Tempered Steel Wire.

Nos.	610	612	613	615	616
Diam., in.	2	2½	3	3½	4
W't, lbs.	¼	⅓	½	¾	¾
Each	$2.00	2.50	3.00	3.50	4.00
	JBE	JCJ	JCE	JDC	JEJ

For cleaning hot water and steam heaters, etc LOOSE.

ELBOWS.



90 Deg.
⅜ and smaller DF%
½ and larger FJ%

Straight and Reducing.

Right Hand.

Size, Inches.	⅛	¼	⅜	½
Black, each.	$0.06	.07	.08	.10
Galv., each..		.09	.11	.14
Size, Inches.	¾	1	1¼	1½
Black, each.	$0.15	.22	.25	.35
Galv., each..	.20	.32	.40	.60
Size, Inches.	2	¾x½	½x⅜	1x¾
Black, each.	$0.50		.10	.22
Galv., each..	.90	.20	.14	.32



45 Deg.
⅜ DF%
½ and larger FJ%

Straight and Reducing.

Size, Inches	⅜	½	¾
Black, each	$0.10	.12	.18
Galv., each	.15	.20	.25
Sizes, in.	1	1¼	1½	2
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Black, each.	$0.26	.36		
Galv., each..	.40	.50	.85	1.35

STREET ELBOWS.



90 Deg.
⅜ DF%
½ and larger FJ%

Malleable Iron.

Straight and Reducing.

Size, Inches.	⅜	½	¾	1
Black, each.	$0.10	.12	.20	.25
Galv., each..	.12	.15	.28	.35
Size, Inches			1¼	1½
Galv., each			$0.55	.80

Will make to order ⅛ in. street elbows at a special price.

SIDE OUTLET ELBOWS.



45 Deg.
⅜ and smaller EB%
½ and larger FJ%

Malleable Iron.

Size, Inches.	⅜	½	¾	1
Black, each.	$0.08	.10	.18	.30
Galv., each..	.10	.15	.25	.45
Size, Inches			1¼	1½	2
---	---	---	---	---	---
Black, each			$0.45	.60	1.00
Galv., each			.65	.90	1.50

TEES.



⅜ and smaller DF%
½ and larger FJ%

Malleable Iron.

Straight and Reducing.

Size, Inches.	⅛	¼	⅜	½
Black, each.	$0.07	.08	.09	.11
Galv., each..			.13	.16
Size, Inches.	¾	1	1¼	1½
Black, each.	$0.15	.25	.30	.45
Galv., each..	.20	.38	.50	.70
Size, Inches		2	½x⅜	¾x½
Black, each		$0.60	.11	.15
Galv., each		$1.00	.16	.20
Size Inches	¾x½x½	1x¾x¾
---	---	---
Galv., each	$0.20	.38

If R. and L. Tees are wanted, please state when ordering, which hole is to be tapped left hand. Such goods can always be furnished to order.

FOUR WAY TEES.



⅜ DF%
½ and larger FJ%

Malleable Iron.

Size, Inches.	⅜	½	¾	1
Black, each.	$0.12	.14	.20	.35
Galv., each..	.17	.20	.28	.50
Size, Inches			1¼	1½	2
---	---	---	---	---	---
Black, each			$0.50	.80	1.25
Galv., each			.70	1.10	1.75

REDUCERS.



⅛ and smaller DF%
½ and larger FJ%

Malleable Iron.

Size, Inches.	¼x⅛	⅜x¼	½x⅜	¾x½
Black, each.	$0.05	.06	.07	.10
Galv., each..			.10	.15
Size, Inches.	1x¾	1¼x1	1½x1¼	2x1½
Black, each.	$0.16	.20	.28	.45
Galv., each..	.25	.35		

MALLEABLE IRON PIPE FITTINGS.

CAPS.



⅛ to ¾ **DJ-AJ%**
½ to 1¼ **DJ-BJ-AJ%**

Malleable Iron.

Size, in.	⅛	¼	⅜	½
Black, each	$0.02	.03	.04	.05
Galvanized, each		.05	.07	.08
Size, in.	¾	1	1¼	
Black, each	$0.08	.12	.16	
Galvanized, each	.12	.17	.24	

BUSHINGS.



Malleable Iron.

All Sizes

DG A/B-BJ%

Size, inches	¼x⅛	⅜x¼
Black, each	$0.04	.04
Size, inches	⅛x⅜	½x¼	¾x½
Black, each	$0.04	.04	.05
Galvanized, each	.08		.10
Size, inches	¾x⅜	1x¾	1x½
Black, each	$0.05	.06	.06
Galvanized, each	.12		
Size, inches	1¼x1	1¼x¾
Black, each	$0.07	.07
Galvanized, each	.14	
Size, inches	1½x1¼	1½x1
Black, each	$0.09	.09
Size, inches	1½x1¼	
Galvanized, each	$0.18	
Size, inches	2x1½	2x1¼
Black, each	$0.14	.14

Reducing one size only.

PLUGS.



All Sizes **DG A/B-BJ%**

Cast Iron.

Size, in.	⅛	¼	⅜	½	¾
Black, each	$0.02	.02	.02	.02	.03
Galvanized, each				.04	.06
½ Size, in.	1	1½	1½	2	
Black, each	$0.04	.05	.07	.10	
Galvanized, each	.08				

STANDARD UNIONS.



All Sizes **DG A/B-BJ%**

Malleable Iron.

For Steam Working Pressures Up to 150 Pounds.

Size, inches	¼	⅜	½	¾
Female Union, Black, each	$0.18	.20	.22	.27
Female Union, Galvanized, each		.30	.33	.40
Size, inches	1	1¼	1½	2
Female Union, Black, each	$0.31	.46	.58	.75
Female Union, Galvanized, each	$0.50	.70	.90	1.15

STANDARD BRASS UNIONS.



DJ-AJ%

Round Joint, No Gasket Required.

No. 522—⅛ in. semi-finished, each $0.32

STANDARD WROUGHT PIPE. COUPLINGS.



All Sizes **FJ-AJ%.**

Size, inches	⅛	¼	⅜
Black, each	$0.05	.05	.06
Galvanized, each			.08
Size, inches	½	¾	1
Black, each	$0.07	.10	.13
Galvanized, each	.10	.13	.18
Size, inches	1¼	1½	2
Black, each	$0.17	.21	.28
Galvanized, each	.25		

WROUGHT IRON NIPPLES.



All Sizes **GJ%**

Black.

Length, inches. Close.	Short.	Asst. Long.	Size.	Each. Close or Short.	Long.
¼	1½	2-2½-3-3½	⅛	$0.04	$0.06
⅜	1½	2-2½-3-3½	¼	.04	.06
1	1½	2-2½-3-3½	⅜	.04	.06
1⅛	1½	2-2½-3-3½	½	.05	.07
1⅛	2	2½-3-3½-4	¾	.06	.09
1½	2	2½-3-3½-4	1	.08	.13
1⅝	2½	3-3½-4-4½	1¼	.11	.17
1¾	2½	3-3½-4-4½	1½	.13	.20
2	2½	3-3½-4-4½	2	.18	.27

Galvanized.

Length, inches. Close.	Short.	Asst. Long.	Size.	Each. Close or Short.	Long.
1	1½	2-2½-3-3½	⅜	$0.06	$0.11
1⅛	1½	2-2½-3-3½	½	.06	.11
1⅛	2	2½-3-3½-4	¾	.08	.14
1½	2	2½-3-3½-4	1	.11	.19
1⅝	2½	3-3½-4-4½	1¼	.17	.29
1¾	2½	3	1½	.21	.35

DRILLED CAST-IRON FLOOR FLANGES.



All Sizes **DE-BJ-AJ%**

Size, inches	⅜x3	½x3½	¾x3½
Black, each	$0.14	.17	.18
Size, inches	1x4	1¼x4
Black, each	$0.22	.25

LOCK NUTS.



⅛ **DJ-AJ%.**
¼ to 1¼ **DE-BJ-AJ%**

Malleable Iron.

Size, inches	⅜	½	¾	1
Black, each	$0.03	.04	.05	.07
Galvanized, each	.04	.05	.07	.10
Size, inches	1¼	1½		
Black, each	$0.09	.11		

CROSSES.



⅜ and smaller **DJ-BJ%**
½ and larger **FJ-AJ%.**

Malleable Iron.

Straight and Reducing.

Size, inches.	⅛	⅜	½	¾
Black, each	$0.09	.10	.16	.20
Galvanized, each	.12	14	.25	.29
Size, inches.	1	1¼	1½	2
Black, each	$0.30	.40	.60	1.00
Galvanized, each	.45	.60	.90	1.50

PIPE MENDERS.



No. 25—Steel, galvanized, for ⅛, ¾ and 1 in. pipe, one complete set in an envelope containing two pieces of rubber, 4 bolts and nuts, and 1 clamp, w't per doz. 4¼ lbs., per dozen **BAJ** $4.00

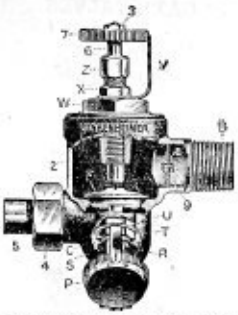
Will repair any burst water, gas or steam pipe.

Two or more clamps may be made continuous, by lapping the packing strip from one clamp to the other.

All ready to hand the customer. Full directions on envelope.

ONE DOZEN IN A BOX.

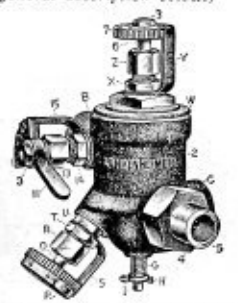
LUNKENHEIMER GENERATOR VALVES.



NONPAREIL," Type C, Left Hand, with Means for Regulating Lift of Disc and Butterfly Valve in Outlet Passage, for Gasoline Engines, Brass.

No. 76—Size...	¾	1	1¼
Union connection tapped for pipe, in.....	⅛	⅛	¼
Each	$6.75	8.50	10.00
	CHJ	DHJ	JEFE
No. 76—Size.....		1½	2
Union connection tapped for pipe, in.....		⅛	⅛
Each		$11.50	16.00
		JFEJ	JIJJ

Same in construction and use as the No. 77 valve, except that it is left hand. (See general description below.)



NONPAREIL," Type C, Right Hand, with Means for Regulating Lift of Disc and Butterfly Valve in Outlet Passage, for Gasoline Engines, Brass.

No. 77—Size...	¾	1	1¼
Union connection tapped for pipe, in.....	⅛	⅛	¼
Each	$6.75	8.50	10.00
	JCHJ	JDHJ	JEFE
Nos. 77—Size.....		1½	2
Union connection tapped for pipe		⅛	⅛
Each		$11.50	16.00
		JFEJ	JIJJ

This style of valve is provided with three adjustments, the gasoline needle valve for controlling the gasoline, an adjusting stem for regulating the quantity of air by governing the lift of the disc, and a butterfly throttle for regulating the quantity of mixture drawn into the engine.

The throttle lever is provided with a notched sector and dial for securing the setting of the valve.



"NONPAREIL," Type B, Left Hand, with Regulation for Lift Disc, No Throttle Valve, for Gasoline Engines, Brass.

No. 78—Size..	½	¾	1
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$4.25	5.25	6.25
	BDJ	BIE	CEJ
No. 78—Size..	1¼	1½	2
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$7.75	9.40	14.00
	DCE	ECJ	JGIJ

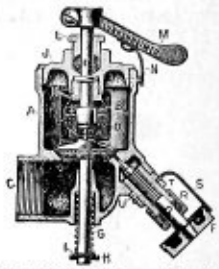
These valves are the same in construction as the No. 79, except that they are left handed.



NONPAREIL," Type B, Right Hand, with Regulation for Lift of Disc, No Throttle Valve, for Gasoline Engines, Brass.

No. 79—Size...	½	¾	1
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$4.25	5.25	6.25
	BDJ	CJJ	CFJ
No. 79—Size...	1¼	1½	2
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$7.75	9.40	14.00
	DDE	EDJ	JHJE

These valves are provided with an adjusting stem to control the lift of the disc, thus regulating the quantity of air drawn into the engine.



NONPAREIL," Type A, Left Hand, with Sliding Throttle Controlling the Outlet Passage, No Regulation for Lift of Disc, for Gasoline Engines, Brass.

No. 80—Size...	½	¾	1
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$5.00	6.25	7.50
	BHJ	CFJ	DCJ
No. 80—Size...	1¼	1½	2
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$9.00	11.20	15.90
	EBJ	JFCE	JIJJ

This valve is the same in construction and use as the No. 81, except that it is left handed



"NONPAREIL," Type A, Right Hand, with Sliding Throttle Controlling the Outlet Passage, No Regulation for Lift of Disc, for Gasoline Engines, Brass.

No. 81—Size...	½	¾	1
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$5.00	6.25	7.50
	BIJ	CFJ	DCJ
No. 81—Size...	1¼	1½	2
Union connection tapped for pipe, in.....	⅛	⅛	⅛
Each	$9.00	11.20	15.90
	JEBJ	JFCE	JIJJ

The special feature of this valve is the revolving throttle for controlling the speed of the engine by regulating the supply of mixture. (See general description at bottom of first column, page 660.)

GENERAL DESCRIPTION OF "NONPAREIL" GENERATOR VALVES.

"Nonpareil" valves are made in right and left hand patterns, with the inlet to the rear and the needle valve in front—the right hand pattern has the outlet to the left, while the left hand pattern has the outlet to the right. The discs have a tensile strength of about 50,000 pounds, and are provided with a screw driver slot for regrinding when worn. They cannot be excelled for the two-port two cycle engines, not even by a good carburetor. They have also been used with success on four cycle and three port two cycle engines.

VALVES.

GLOBE AND ANGLE VALVES WITH JENKIN'S DISCS.



J. D. ANGLE.

Heavy Steam Metal, Guaranteed for 125 lbs. Steam Working Pressure.

Discount DJ-BJ-E%.

No. 99—			
Size, in.	⅜	½	¾
Each	$1.25	1.60	2.20

Size, in.	1	1¼
Each	$2.80	4.00



J. D. GLOBE.

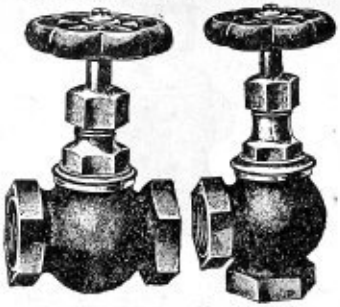
Heavy Steam Metal, Guaranteed for 125 lbs. Steam Working Pressure.

Discount DJ-BJ-E%.

No. 100—			
Size, in.	⅜	½	¾
Each	$1.25	1.60	2.20

Size, in.	1	1¼	1½
Each	$2.80	4.00	5.50

GLOBE AND ANGLE VALVES.



No. 110 Globe. No. 111 Angle.

Nos. 110 and 111, Discount DJ-BJ-AJ%

REGULAR, Good Grade Steam Metal, Milled Hexs and Bonnet, Black Japanned Wheel, Globe.

No. 110 Globe—				
Size, in.	¼	⅜	½	¾
Each	$0.72	.77	1.00	1.26

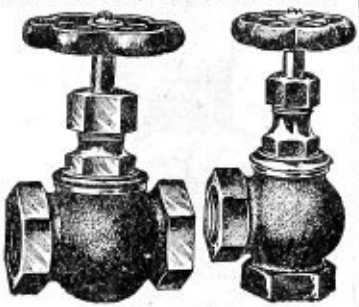
No. 110 Globe—				
Size, in.	1	1¼	1½	2
Each	$1.80	2.52	3.50	5.30

REGULAR, Good Grade Steam Metal, Milled Hexs and Bonnet, Black Japanned Wheel, Angle.

No. 111 Angle—				
Size, in.	¼	⅜	½	¾
Each	$0.72	.77	1.00	1.26

No. 111 Angle—				
Size, in.	1	1¼	1½	2
Each	$1.80	2.52	3.50	5.30

The above valves are all tested and suitable for low pressure steam, or water.



No. 101 Globe. No. 102 Angle.

Nos. 101 and 102, Discount DJ-BJ-AJ%

EXTRA QUALITY, High Grade Steam Metal, Milled Hexs, Bonnet and Stuffing Box, Hard Metal Discs, Black Japanned Wheel,

No. 101— Globe.				
Size, in.	¼	⅜	½	¾
Each	$0.72	.77	1.00	1.26

No. 101—				
Size, in.	1	1¼	1½	2
Each	$1.80	2.52	3.50	5.30

EXTRA QUALITY, High Grade Steam Metal, Milled Hexs, Bonnet and Stuffing Box, Hard Metal Discs, Black Japanned Wheel, Angle.

No. 102—Size, in.	¼	⅜	½
Each	$0.72	.77	1.00

No. 102—Size in.	¾	1	1¼
Each	$1.26	1.80	2.52

These valves are tested to 200 lbs. hydraulic pressure and are suitable for 125 lbs. steam working pressure.

GATE VALVES.



Discount CJ-BJ-AJ%.

EXTRA QUALITY, High Grade Steam Metal, Milled Hexs, Bonnet and Stuffing Box Nut, Double Discs, Black Japanned Wheel.

No. 119—Size, in.	½	¾	1
Each	$1.65	2.05	2.80
No. 119—Size, in.	1¼	1½	2
Each	$3.70	5.00	7.30

These valves have double discs that seat parallel without grinding and with instant release, tested to 200 lbs. hydraulic pressure and suitable for 125 lbs. steam working pressure. The mechanical construction of this valve is equal to any gate valve on the market.

CHECK VALVES.



No. 103 Horizontal. No. 106 Vertical.

Nos. 103 and 106, Discount DJ-AJ%.

HORIZONTAL, Extra Quality, High Grade Steam Brass Metal, Milled Hexs and Bonnet.

No. 103—				
Size, in.	¼	⅜	½	¾
Each	$0.65	.70	.90	1.15

No. 103—				
Size, in.	1	1¼	1½	2
Each	$1.60	2.25	3.15	4.75

VERTICAL, Extra Quality, High Grade Steam Brass Metal, Milled Hexs and Bonnet.

No. 106—				
Size, in.	⅜	½	¾	1
Each	$0.77	1.00	1.26	1.80
No. 106—Size, in.			1¼	1½
Each			$2.52	3.50

The check valves illustrated above are all tested to 200 lbs. hydraulic pressure, suitable for 125 lbs. steam working pressure.

VALVES, COCKS AND STOPS.

CHECK VALVES.



Discount DE-BJ-AJ%.

SWING CHECK PATTERN, Extra Quality, High Grade Brass Steam Metal, Milled Hexs and Bonnet.

No. 105—				
Size, in....	⅜	½	¾	1
Each	$1.80	2.00	2.25	2.80
No. 105—Size, in....	1¼	1½	2	
Each	$3.65	4.75	6.75	

These valves are tested at 200 lbs. hydraulic pressure and suitable for 125 lbs. working pressure.



Discount DG A/B-BJ%.

HORIZONTAL CHECK, Regular, Milled Hexs and Bonnet, Hard Metal Discs, Brass.

No. 112—				
Size, in....	⅜	½	¾	1
Each	$0.70	.90	1.15	1.60
No. 112—Size, in....	1¼	1½	2	
Each	$2.25	3.15	4.75	

Suitable for low pressure steam, or water.

GAS SERVICE COCKS.



Discount DG A/B-BJ-AJ%.

EXTRA QUALITY, High Grade Brass Metal, Thoroughly Ground Plug, Flat Head.

No. 132—Size, in....	⅜	½	⅝
Per dozen	$12.00	13.20	15.60
No. 132—Size, in....	1	1¼	1½
Per dozen	$25.20	39.00	55.20

Tested and suitable for low gas or water pressure.

ROUGH STOP COCKS.



No. 144.

REGULAR, Good Grade Red Metal, Thoroughly Ground Plug.

Discount EG A/B%.

No. 144—T Handle—				
Size, in....	⅜	½	¾	1
Per dozen ..	$20.40	21.00	36.00	52.80

No. 145—Lever Handle—				
Size, in....	⅜	½	¾	1
Per dozen ..	$20.40	21.00	36.00	52.80



No. 145-CW.

REGULAR, Good Grade Red Metal, Thoroughly Ground Plug, with Check and Waste.

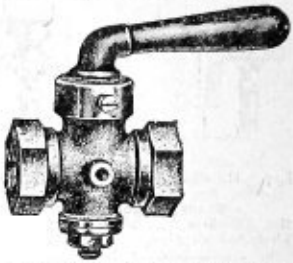
Discount EG A/B%.

No. 144-CW—T Handle—				
Size, in....	⅜	½	¾	1
Per dozen ..	$21.00	21.60	36.60	54.00

No. 145-CW—Lever Handle—				
Size, in	⅜	½	¾	1
Per dozen ..	$21.00	21 60	36.60	54.00

These stops are equal to other makes of high grade goods, and are tested and suitable for ordinary city water pressure.

STOP AND WASTE COCKS.



RED METAL, Socket Head, Loose Handle, Finished Caps and Hexes not Finished for Iron Pipe.

No. 2—Sizes, in.	½	⅝	1
Per dozen	$21.60	30.00	54.00
	JFHJ	AJBE	AHDE

Can be used for either right or left hand.

⅜ in. fits ¾ in. iron pipe.

PATENT CAP HYDRANT COCKS.



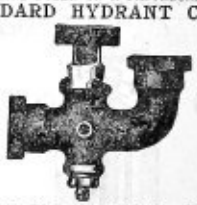
STEAM METAL, High Grade, Tested 200 Lbs., Very Best Quality, Fine Workmanship, Best of Material, Fine Appearance, Fully Guaranteed.

No. 3—Size, inches.....	¾	1
Size pipe thread, in....	¾	1
W't per doz., lbs.....	21	30
Per dozen	$45.00	64.80
	BAFJ	CAAJ

Hydrant cocks are usually set down in the ground below the freezing with pipe leading up above surface of ground with a goose neck for discharge. A rod is connected to the Tee Handle to turn water on and off. When shut off, water in upright discharge pipe drains out through waste hole shown in side of hydrant cock and prevents freezing.

⅝ AND ¾ IN., ONE-HALF DOZEN; 1 IN., ONE-THIRD DOZEN IN A PASTEBOARD BOX

STANDARD HYDRANT COCKS.



For Iron Pipe, Red Metal, Big Stop Pin, Tested to 125 Lbs.

No. 4—Size, inches	¾	1
Size pipe thread, in....	¾	1
W't per doz., lbs.....	21	30
Per dozen	$45.00	64.80
	AFBJ	BCCE

ONE-HALF DOZEN IN A PAPER PACKAGE

LUNKENHEIMER PRIMING, OIL AND GREASE CUPS.

PRIMING CUPS.



No. 820, Lever Handle.



No. 821, Tee Handle.

Brass, for Gasoline Engines, Long Shank, Lever Handle.

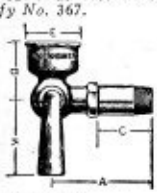
No. 820—Size	00	0	1
Threaded for pipe, in.	⅛	⅛	⅛
Each	$0.75	.85	.95
	CH	DC	DH
No. 820—Size	**2**	**3**	**4**
Threaded for pipe, in.	¼	¼	⅜
Each	$1.10	1.40	1.65
	JEE	JGJ	JHE

Brass, for Gasoline Engines, Long Shank, Tee Handle.

No. 821—Size	00	0	1
Threaded for pipe, in.	⅛	⅛	⅛
Each	$0.70	.80	.90
	CE	DA	DF
No. 821—Size	**2**	**3**	**4**
Threaded for pipe, in.	¼	¼	⅜
Each	$1.00	1.30	1.50
	JEJ	JFE	JGE

This pattern can also be had with shank on left hand instead of right. Sizes and lists the same as No. 702. When ordering specify No. 367.

The shanks are made long enough to permit the lever to hang downward when cock is closed. The even tension of the spring keeps the key from sticking or working loose.



No. 702, Right Hand.

Brass, for Gasoline Engines, L Shank, Lever Handle.

No. 702—Size	00	0	1
Threaded for pipe, in.	⅛	⅛	⅛
Each	$0.85	1.00	1.15
	DC	JEJ	JFJ
No. 702—Size	**2**	**3**	**4**
Threaded for pipe, in.	¼	¼	⅜
Each	$1.35	1.60	1.90
	JFE	JHJ	JIE

OIL CUPS.



Pioneer oil cups are especially adapted for traction engines, steam rollers and other machinery of like character.

They are easily filled and regulated, and will not come apart when used on jarring machinery.

"PIONEER," Slide-Top, Glass Body, Cast Brass, Highly Finished.

No. 515—Size	000	00	0	1
Threaded for pipe, in.	⅛	⅛	⅛	¼
Capacity, oz.	¼	½	⅝	1
Each	$0.70	.75	.80	1.00
	DJ	DB	DF	EF
No. 515—Size	**1½**	**2**	**3**	**4**
Threaded for pipe, in.	⅛	⅜	⅜	⅜
Capacity, oz.	1½	2½	4	5
Each	$1.25	1.50	1.90	2.40
	JGJ	JHE	AJE	ACE
No. 515—Size	**5**	**6**	**8**	
Threaded for pipe, in.	½	½	¾	
Capacity, oz.	10	18	34	
Each	$3.10	4.00	8.50	
	AGE	BCJ	DHE	



The leather packed plunger is so made that it is easily withdrawn when cup requires refilling. The springs and plunger are conveniently controlled by the handle which is provided with an automatic lock arrangement to prevent its jarring from position on stem.

"IDEAL," Automatic, for Engine Crank Pins, Journals, Etc., Highly Finished Cast Brass.

No. 510—Size	00	0	1	2
Threaded for pipe, in.	⅛	¼	¼	⅜
Capacity, oz.	¼	1	1½	3
Each	$1.50	2.00	2.50	3.20
	JGJ	JIE	ABJ	AEE
No. 510—Size			**4**	**5**
Threaded for pipe, in.			½	¾
Capacity, oz.			10	18
Each			$4.30	6.00	12.50
			BJE	BIJ	JFJJ

GREASE CUPS.

WINKLEY RATCHET.



No. 107. Polished Brass Threaded.					
Size	00	0	1	2	3
Pipe, in.	⅛	¼	¼	⅜	⅜
C'p'ty, oz.	⅖	1	1½	3	5
Each	$1.07	1.33	1.66	2.15	3.19
	JAD	JAH	JBC	JCJ	JDB

No. 108. Rough Brass, Threaded.					
Size	00	0	1	2	3
Pipe, in.	⅛	¼	¼	⅜	⅜
C'p'ty, oz.	⅖	1	1½	3	5
Each	$0.90	1.14	1.43	1.88	2.71
	AE	JAF	JAI	JBF	JCF

No. 109. Natural Finished Steel, Threaded.			
Size	00	0	1
Pipe, in.	⅛	¼	¼
Cap'ty, oz.	⅖	1	1½
Each	$0.82	.99	1.18
	JAD	JAH	JBD

These cups are pressed from sheet metal, making them stronger and better than cast cups, and are made by a patent process that gives a uniform thickness to the metal throughout.



GREASE CUPS.

The "Sentinel" cup is handsome in appearance and thoroughly strong and substantial in construction.

This cup will not shake to pieces when placed on jarring machinery.

A very important feature is, that when set to feed a given amount of oil, it will hold up to its rate of feed until the cup is entirely emptied.

"SENTINEL," Snap Lever, Sight Feed, Glass Body, Straight Shank, Brass.

No. 546—Size	0	1	1½
Threaded for pipe, in.	¼	¼	¼
Capacity, oz.	⅜	1	1½
Each	$3.00	3.25	3.50
	JIE	AJE	AAE
No. 546—Size	**2**	**3**	**4**
Threaded for pipe, in.	⅜	⅜	⅜
Capacity, oz.	2½	4	5
Each	$3.75	4.25	5.25
	ABJ	ADJ	AGJ
No. 546—Size	**5**	**6**	**8**
Threaded for pipe, in.	½	½	¼
Capacity, oz.	10	18	34
Each	$7.25	9.25	20.00
	BCE	CJJ	JFEJ

LUBRICATORS.



IMPROVED "PARAGON," Glass Body, Sight Feed, for Gas, Gasoline, or Oil Engines.

No. 553—Size	1½	2	3	4
Threaded for pipe, in.	¼	⅜	⅜	⅜
Capacity, oz.	1½	2½	4	5
Each	$2.00	2.80	3.50	4.00
	ABJ	AGJ	BAJ	BDJ
No. 553—Size	**5**	**6**	**8**	
Threaded for pipe, in.	½	½	¾	
Capacity, oz.	10	18	32	
Each	$5.40	7.00	14.00	
	CBE	DBJ	HDJ	

GREASE CUPS.

LUNKENHEIMER.



"JEWEL," Automatic, Brass, for Bearings, Shaftings, Loose Pulleys, Etc.

No. 511—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	1	1½
Each $0.80	1.00	1.30	
	DJ	JEE	JFJ

No. 511—Size.....	2	3	4
Threaded for pipe, in.	⅜	½	½
Capacity, in.....	3	6	10
Each $1.70	2.30	3.20	
	JHJ	AJE	ADE

The Jewel cup was designed to meet the demand for a simple and inexpensive automatic cup. The base is of cast brass, and the top of tubing of spun brass. It is provided with a simple feed-regulating screw adjustable to suit any kind of grease.



"TIGER," Plain Brass, Adapted for Jarring Machinery

No. 513—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	¾	1
Each $0.70	.90	1.15	
	CJ	DE	JEJ

No. 513—Size.....	2	3	4
Threaded for pipe, in	⅜	½	½
Capacity, oz.....	2	3½	5
Each $1.50	2.15	3.30	
	JFJ	JIJ	ACE

The "Tiger" grease cup is of cast brass and well adapted for jarring machinery and is unsurpassed where a simple, compact and efficient cup is desired.

By screwing down the cap, the grease is forced to the bearing.

EMPRESS.



"EMPRESS," Plain Compression, Regular Pipe Thread.

Polished Brass.

No. 100—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	¾	1
Each $0.70	.90	1.15	
	AD	AH	JBC

No. 100—Size	2	3
Threaded for pipe, in.....	⅜	½
Capacity, oz.....	2	3½
Each $1.50	2.15	
	JCJ	JDB

Rough Brass.

No. 101—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	¾	1
Each $0.56	.74	.96	
	AB	AD	AI

No. 101—Size.....	2	3
Threaded for pipe, in.....	⅜	½
Capacity, oz.....	2	3½
Each $1.28	1.76	
	JBE	JCE

Natural Finished Steel.

No. 102—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	¾	1
Each $0.50	.65	.80	
	JH	AA	AC

No. 102—Size.....	2	3	4
Threaded for pipe, in.	⅜	½	½
Capacity, oz.....	2	3½	5
Each $1.05	1.45	2.00	
	JAG	JBD	JCB

The Empress line of grease cups is pressed from sheet metal, making them stronger than castings and free from air holes and other defects. The "lugs" on caps insure a "sure grip," and also gives them an artistic appearance.

They are adapted for all jarring machinery, and have proven satisfactory in every instance.

EMPRESS.



"Empress," Ratchet Compression, Lug Cap, Regular Thread.

Rough Brass.

No. 103—Size	000	00	0
Threaded for pipe, in.	⅛	⅛	¼
Capacity, oz.....	¼	½	¾
Each $0.90	1.10	1.35	
	JAI	JBD	JBI

Natural Finished Steel.

No. 104—Size	00	0
Threaded for pipe, in.....	⅛	¼
Capacity, oz.....	½	¾
Each $0.80	.95	
	AG	BJ

These cups are designed to use in places where there is excessive vibration.



"EMPRESS," Spring Compression, Highly Finished Brass.

No. 105—Size.....	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.....	½	1	1½
Each $1.50	2.00	2.50	
	JCE	JDH	JFJ

No. 105—Size.....	2	3
Threaded for pipe, in.....	⅜	¼
Capacity, oz.....	3	6
Each $3.20	4.30	
	JGE	AJE

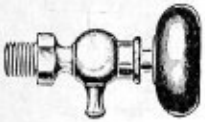
Natural Finished Steel.

No. 106—Size.	00	0	1	2
Threaded for pipe, in ...	⅛	¼	¼	⅜
Capacity, oz.	½	1	1½	3
Each $1.30	1.50	1.75	2.00	
	JCJ	JCE	JDJ	JEJ

These cups have a special leather packing on plunger, insuring a tight, smooth working joint. The spring pressure is regulated by the handle and the feed to bearing by screw in the shank which is readily adjusted for grease of any density. Being pressed from sheet metal they are stronger and much more durable than a cast cup.

VALVES, COCKS AND GAUGES.

RADIATOR AIR VALVES.



Compression, Wood Wheel, Threaded for Iron Pipe.

No. 3—⅛ in. .....each **AA** $0.16



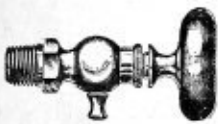
Compression, Iron Key, Threaded for Iron Pipe.

No. 4—⅛ in. .....each **AJ** $0.15

Extra Keys, for the above each .....**JD** .06

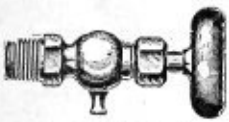
Two keys with each one-half dozen.

GAUGE COCKS.



Compression, WITHOUT Stuffing Box, Wood Wheel, Threaded for Iron Pipe.

Nos.	02	03
Threaded for pipe, in.	⅜	½
Each	$0.95	1.00
	DJ	**JDB**



Compression, WITH Stuffing Box, Wood Wheel, Threaded for Iron Pipe.

Nos.	05	06
Threaded for pipe, in.	⅜	½
Each	$1.20	1.30
	JEJ	**JEE**

AIR COCKS.

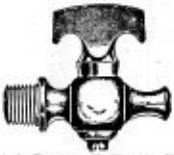


Bibb, Finished Brass, Lever Handle, Octagon Shoulder, S. T.

No. 029—½ in. .....each **BH** $0.85

No. 030—¾ in. .....each **CA** .95

AIR COCKS.



Finished Brass, T-Head, Round Shoulder.

No. 006—⅛ in. .....each **AC** $0.40

No. 007—¼ in. .....each **AG** .45



Finished Brass, T-Head, Hexagon Shoulder.

No. 08—⅛ in. .....each **AF** $0.50

No. 09—¼ in. .....each **AI** .60



Finished Brass, Lever Handle, Round Shoulder.

No. 012—⅛ in. .....each **AH** $0.55

No. 013—¼ in. .....each **AI** .60



Finished Brass, Lever Handle, Hexagon Shoulder.

No. 014—⅜ in. .....each **BB** $0.65

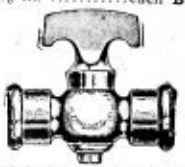


Bibb, Finished Brass, T-Head, Octagon Shoulder, S. T.

No. 026—⅛ in. .....each **BC** $0.70

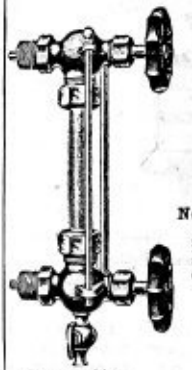
No. 027—¼ in. .....each **BF** .80

No. 028—⅜ in. .....each **BI** .90



No. 038—¼ in., finished brass, T-head, double female ends—each **BB** $0.70

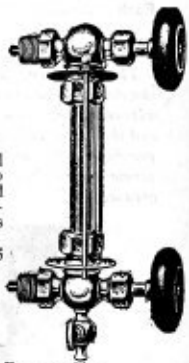
WATER GAUGES.



Self Cleaning.

No. 5—Boiler connection ½ in., glass ⅝x12 in., otherwise same as No. 2, each .. **ABJ** $3.00

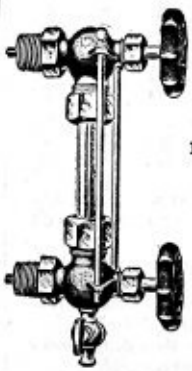
For working pressure from 100 to 200 lbs.



Self-Cleaning.

No. 7 — Polished brass body, two guards, wood wheels, boiler connection ½ in., glass ⅝x12 in., each ...**AGJ** $4.25

For working pressure from 100 to 200 lbs.



Self-Cleaning.

No. 10 — Bronzed brass body, two guards, iron wheels, boiler connection ¾ in., glass ¼x16 in., each ..**AGJ** $4.50

PENBERTHY AUTOMATIC INJECTORS.



GC%

The manufacturers test each injector before it is put in stock. The test requires that each injector must handle water of a temperature—

125 to 130 deg. when operated with 60 to 80 lbs. steam pressure.

115 to 120 deg. when operated with 100 lbs. steam pressure.

95 to 104 deg. when operated with 125 lbs. steam pressure.

They must work at 22 to 25 lbs. pressure and up to 165 lbs. with water of 74 deg. They must lift from 22 feet below their position and force into boiler.

All Penberthy Injectors are tested to this standard, and are therefore developed to the highest degree possible for use on boilers of all pressures and types, used in the stationary, portable and traction engine service.

PENBERTHY, Style Left and Back, Suction Left, Overflow Front, Discharge Back.

	Horse Power based on ordinary Tub Boiler	Horse Power based on 30lbs. water per H.P. per Hour	Pipe Connection	Cap. per Hour 1 to 3 ft. lift 60 to 110 lbs. steam Pressure	Each.
No. O ..★	3 to 6	4 to 8	¼ in.	60 gal.	$15.00
No. OO ★	4 to 8	6 to 12	⅜ in.	80 gal.	16.00
No. A	8 to 16	10 to 20	½ in.	135 gal.	18.00
No. AA ..	12 to 22	15 to 30	½ in.	180 gal.	20.00
No. B	17 to 32	22 to 45	¾ in.	260 gal.	25.00
No. BB ..	20 to 45	25 to 60	¾ in.	360 gal.	30.00
No. C	40 to 65	45 to 80	1 in.	475 gal.	40.00
No. CC ..	45 to 80	50 to 100	1 in.	600 gal.	45.00
No. D ..★	50 to 100	60 to 135	1¼ in.	800 gal.	55.00
No. DD ★	75 to 135	85 to 165	1¼ in.	1000 gal.	60.00
No. E ..★	100 to 180	125 to 235	1½ in.	1400 gal.	75.00
No. EE ★	115 to 255	150 to 320	1½ in.	1900 gal.	90.00
No. F ..★	160 to 320	200 to 400	2 in.	2400 gal.	110.00
No. FF ★	200 to 400	250 to 500	2 in.	3000 gal.	125.00
No. G ..★	300 to 500	325 to 600	2½ in.	3600 gal.	150.00
No. GG ★	375 to 600	400 to 750	2½ in.	4200 gal.	200.00

Perfectly designed. The branches for pipe connections are integral continuations of the principal casting and do not admit of any chance for leaks to develop or for air to enter to affect the proper working of the injector. The tubes sleeve into the casting and are held in place without the use of threads.

PENBERTHY XL-96 EJECTORS.

GC%



Siphon or Jet Pump.

	Pipe Connection, Steam, in.	Pipe Con. Suc. and Delivery, in.	Capacity Per Hour— 40 to 65 lbs. Steam, 3 ft. lift, gal.	20 to 40 lbs. or 65 to 100 lbs., gals.	40 to 65 lbs., 50 ft. el'v't'n, gal.	40 to 65 lbs. 25 ft. el'v't'n, gal.	Vertical Lift 40 to 75 lbs. Steam, ft.	25 to 40 or 75 to 100 lbs., ft.	All Brass, Each	Iron Body, Brass Jets, Each
No. 1★	⅜	½	240	235	120	180	23	20	$ 8.00	.....
No. 2★	½	¾	500	450	250	375	25	22	10.00	.....
No. 3★	¾	1	840	700	420	625	25	22	15.00	.....
No. 4★	1	1¼	1350	1300	650	950	24	21½	20.00	.....
No. 5★	1	1½	1950	1850	975	1450	26	21½	25.00	$20.00
No. 6★	1½	2	3500	3000	1750	2600	26	21½	35.00	27.50
No. 7★	1½	2½	5700	4350	2500	3750	26	22	50.00	40.50
No. 8★	2	3	9500	8160	4750	7200	25	20	70.00	50.00
No. 9★	2	3½	13600	12400	6800	10200	25	21	105.00	70.00
No. 10★	2½	4	18400	17100	9200	13100	25	21	145.00	95.00

Operated with 80 lbs. of steam pressure, will lift 25 ft. and elevate 50 ft., delivering 15 lbs. of water per 1 lb. of steam used. The lifting and elevating power is so combined as to make this the best device of its kind. Recommended for threshing engines, road rollers and engines of such type, also for filling locomotive tenders.

It maintains its capacity throughout a great range of steam pressures and when used on deep lifts and high elevations of liquids. When operated within the general steam pressures, it will lift from a depth of 24 feet and at the same time elevate 60 or 70 feet above its position, thus making a vertical transfer of 80 to 90 feet. May be operated with air for the purpose of creating vacuum or for exhausting air or gas, also may be operated with water for transferring liquids or for exhausting air and gases.

Ejectors are shipped without strainers.

U. S. AUTOMATIC INJECTORS.



U. S., Heavy Brass Body, Adaped to Either Side of Boiler, Regular Style, Equipped with Drip Cock to Prevent Freezing.

GC%

	Pipe Connection, in.	H. P. based on ordinary Tub Boiler.	H. P. based on 30 lbs. water per H. P. per Hour.	Cap. per Hour, 1 to 3 ft. lift, Steam Pres. 60 to 80 lbs. Max.	Min.	Each.
No. 1	⅜	4 to 8	6 to 12	90	55	$16.00
No. 2	½	8 to 16	10 to 20	135	65	18.00
No. 3	½	12 to 22	15 to 30	180	100	20.00
No. 4	¾	17 to 32	22 to 45	260	140	25.00
No. 5	¾	20 to 45	25 to 60	355	170	30.00
No. 6	1	40 to 65	45 to 80	475	300	40.00
No. 7★	1	45 to 80	50 to 100	600	350	45.00
No. 8★	1¼	50 to 100	60 to 135	800	425	55.00
No. 9★	1¼	75 to 135	85 to 165	1000	525	60.00

The drip cock used on all U. S. injectors is a very important feature. It drains the injector when not in use and thus prevents freezing. By leaving it open the injector can be started even though the check valve leaks. This is impossible without the drip cock.

Another feature is the construction of the disc valve on the delivery tube, which being cup shaped, is forced to rise to its seat by the jets of water thrown against it from beneath.

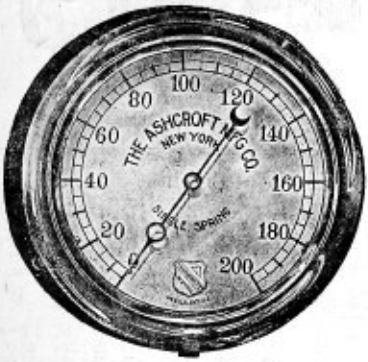
Complete description and directions for applying and operating furnished with each injector.

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

GAUGES.

ASHCROFT SINGLE SPRING PRESSURE GAUGES.



Iron Case with Brass or Nickel Plated Ring, Interior Mechanism Consists of a Single ASHCROFT Spring and Standard Geared Movement.

Iron Case, Brass Ring.

Size, in.	2½	3½	4½	5	6	6¾
W't, lbs.	1	2⅓	3¼	4½	6	8
Each	$6.00	7.00	8.00	8.00	13.00	16.00
	ADJ	AEJ	AEE	AFJ	JDBJ	JEAJ

Iron Case, Nickel Plated Ring.

Size, in.	2½	3½	4½	5	6	6¾
W't, lbs.	1	2⅓	3¼	4½	6	8
Each	$6.15	7.18	8.20	8.20	13.50	16.60
	AEJ	AEE	AGJ	AGE	JDCJ	JEBJ

Connections: The 2½ in. gauge is furnished with ⅛ in. male bottom connection and without cocks. Larger sizes have ¼ in. male bottom connection and are furnished complete with T handle cocks.

Graduation: Standard graduations are 30, 100, 160 or 200 pounds. Gauge should be graduated to double the highest working pressure.

IMPORTANT—In ordering be sure to specify size and graduation, and if brass or nickel plated rings are wanted.

For any pressure which will not deteriorate brass, such as on steam boilers, pressure tanks, water supply systems, pumps, etc.

ASHCROFT ALTITUDE GAUGES.



Iron Case with Brass or Nickel Plated Ring. Iron Case, Brass Ring.

Size, in.	4½	5	6	6¾
W't, lbs.	3½	4½	6	8
Each	$12.00	12.00	16.00	20.00
	JAFJ	JAGE	JEAJ	JFCJ

Iron Case, Nickel Plated Ring.

Size, in.	4½	5	6	6¾
W't, lbs.	3¼	4½	6	8
Each	$12.20	12.20	16.50	20.60
	JAGE	JAHE	JEBJ	JFDJ

The interior mechanism consists of a single Ashcroft spring and standard geared movement. The rings on the cases are held by spring cotters, giving accessibility for adjustment of red hand.

The connection is ¼ in. male bottom.

Graduation: Standard graduation is 70 feet and is regularly carried in stock. We can furnish gauges to indicate any altitude from 30 to 500 feet. The black hand indicates the head of water in feet and the red index hand can be set by user at any desired point on the dial.

For indicating the height of water in tanks, reservoirs, stand pipes, heating systems, etc.

PACKED IN INDIVIDUAL WOODEN BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

BIBBS AND COCKS.

COMPRESSION PLAIN BIBBS.



Polished Brass, T Handle, Threaded for Iron Pipe, with Shoulder.

Nos.	872	873	874
Size, in.	½	⅝	¾
W't, doz., lbs.	10½	12½	17½
Per dozen	$19.80	25.20	33.00
	JDIJ	JFFJ	JHFJ

No. 872 will fit ½ in., and Nos. 873 and 874, ¾ in. pipe.

Nickel Plated Brass, T Handle, Threaded for Iron Pipe.

Nos.	872N	873N	874N
Size, in.	½	⅝	¾
W't, doz., lbs.	10½	12½	17½
Per dozen	$23.40	28.80	37.20
	JEIE	JGEE	JIGJ

No. 872N will fit ½ in., and Nos. 873N and 874N, ¾ in. pipe.

ONE-HALF DOZEN IN A BOX.

COMPRESSION HOSE BIBBS.



Polished Brass, T Handle, Threaded for Iron Pipe with Shoulder.

Nos.	892	893	894
Size, in.	½	⅝	¾
W't, doz., lbs.	10½	13	16
Per dozen	$22.80	28.20	36.00
	JEGE	JGDJ	JICE

No. 892 will fit ½ in. pipe and ¾ in. hose coupling and Nos. 893 and 894, ¾ in. pipe and ¾ in. hose coupling.

Nickel Plated Brass, T Handle, Threaded for ¾ Inch Iron Pipe and Hose Coupling, with Shoulder.

Nos.	893N	894N
Size, in.	⅝	¾
W't per doz., lbs.	13	16
Per dozen	$31.80	40.20
	JHCE	AJEJ

ONE-HALF DOZEN IN A BOX.

LOOSE KEY COMPRESSION BIBBS.



PLAIN.

Red Brass, Rough Finish, Made for ¾ Inch Iron Pipe Thread.

No. 1345—½ in., w't per doz. 15 lbs., per dozen ..... ACHJ $31.20

PLAIN LEVER HANDLE BIBBS.

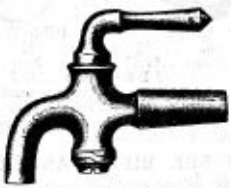


For Iron Pipe, Polished Brass, Red Metal Carefully Ground and Tested to 125 Lbs., Good for Water and Oil.

Nos.	431	432	433
Size, in.	⅜	½	⅝
Size pipe thread, in.	⅜	½	¾
W't, doz., lbs.	6½	11	13½
Per dozen	$25.20	25.80	35.40
	JFFJ	JFHE	JIIJ

Nos.	434	435
Size, in.	¾	1
Size pipe thread, in.	¾	1
W't per doz., lbs.	18	24½
Per dozen	$45.00	64.80
	AAIJ	AFEJ

PLAIN BIBB COCKS.

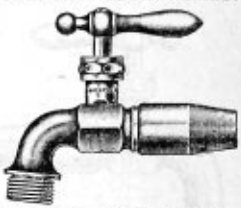


Polished Brass, Lever Handle, Tapered Shank to Solder.

Nos.	230	231	232
Size, in.	¼	⅜	½
W't, doz., lbs.	4½	6	7
Per dozen	$25.80	26.40	27.00
	JFFJ	JFFJ	JFHE

Nos.	233	234
Size, in.	⅝	¾
W't per doz., lbs.	10	15
Per dozen	$37.20	47.40
	JIEE	AADJ

FULLER HOSE BIBBS.

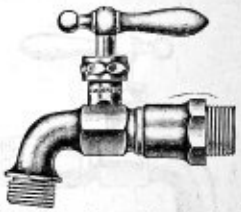


Polished Brass, Lever Handle, Plain Shank to Solder, for Lead Pipe.

Nos.	990	995
Size, in.	½	⅝
W't per doz., lbs.	12	13
Per dozen	$28.20	33.00
	JFFJ	JHAJ

Will fit ½ and ¾ in. pipe and hose, resp.

ONE-HALF DOZEN IN A BOX.



Polished Brass, Lever Handle, for Iron Pipe, with Shoulder.

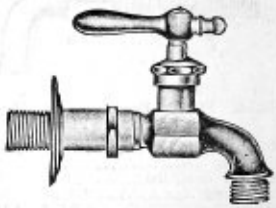
Nos.	991	993
Size, in.	½	⅝
W't per doz., lbs.	14	15
Per dozen	$27.00	31.20
	JFFJ	JHAJ

Will fit ½ and ¾ in. pipe and hose couplings, resp.

Nickel Plated Brass, Lever Handle, Threaded for Iron Pipe, with Shoulder.

Nos.	991-N	993-N
Size, in.	½	⅝
W't per doz., lbs.	14	15
Per dozen	$31.80	36.00
	JGHJ	AICJ

Will fit ½ and ¾ in. pipe and hose couplings, resp.



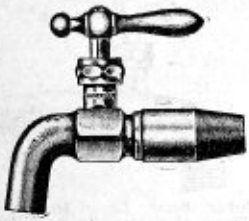
Nickel Plated Brass, Plain Lever Handle, with Adjustable Flange.

Nos.	1991-N	1993-N
Size, in.	½	⅝
W't per doz., lbs.	13½	15
Per dozen	$45.00	52.20
	AAGJ	ACHJ

Will fit ½ and ¾ in. pipe, resp.

BIBBS AND FAUCETS.

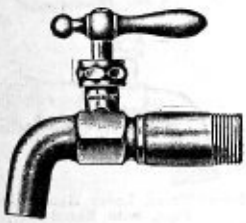
FULLER PLAIN BIBBS.



Polished Brass, Lever Handle, Plain Shank to Solder, for Lead Pipe.

Nos.	970	975
Size, in.	½	⅝
W't per doz., lbs.	12	13
Per dozen	$24.60	29.40
	JGDJ	JHHJ

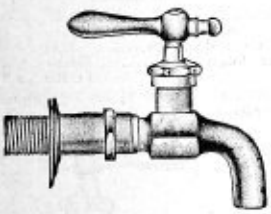
Will fit ½ and ¾ in pipe, resp.



Polished Brass, Lever Handle, Threaded for Iron Pipe, S. O. T.

Nos.	972	974
Size, in.	½	¾
W't per doz., lbs.	12	13
Per dozen	$26.40	31.20
	JGIJ	JICE

Will fit ½ and ¾ in. pipe, resp.



Nickel Plated Brass, Lever Handle, with Adjustable Flange.

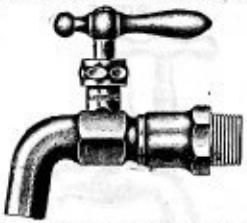
Nos.	1971-N	1973-N
Size, in.	½	⅝
W't per doz., lbs.	13½	15
Per dozen	$41.40	48.60
	ABDJ	ADFJ

Will fit ½ and ¾ in. pipe, resp.

CLOSET SYPHON WASHERS.

No. 341—1¼ in., per dozen	JFI	$1.20
No. 342—1½ in., per dozen	JGE	1.30
No. 343—1¾ in., per dozen	JHJ	1.40
No. 344—2 in. ...per dozen	JHE	1.50

FULLER PLAIN BIBBS.



Polished Brass, Lever Handle, Threaded for Iron Pipe, with Shoulder.

Nos.	971	973
Size, in.	½	¾
W't per doz., lbs.	13	14
Per dozen	$23.40	27.60
	JGJJ	JHCJ

Will fit ½ and ¾ in. pipe, resp.

Nickel Plated Brass, Lever Handle, Threaded for Iron Pipe, with Shoulder.

Nos.	971-N	973-N
Size, in.	½	¾
W't per doz., lbs.	13	14
Per dozen	$28.20	32.40
	JHDE	JIGJ

Will fit ½ and ¾ in. pipe, resp.

ONE-HALF DOZEN IN A BOX.

FULLER BALLS.



GRAY, for use with Fuller Bibbs for Cold Water.

½ in., w't per doz. ⅔ lb., per dozen ..... AD $0.24

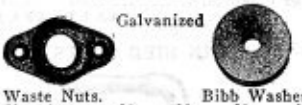
⅝ in., w't per doz. ¼ lb., per dozen ..... AH .30

RED, Extra High Quality, Adapted for Hot or Cold Water.

½ in., w't per doz. ⅔ lb., per dozen ..... BD $0.50

⅝ in., w't per doz. ¼ lb., per dozen ..... CJ .60

WASTE NUTS.



Waste Nuts. Size, in.	⅜	½	Bibb Washers. ¾	1
Per dozen	$1.25	1.50	2.00	2.50
	JDB	JED	JGJ	JHE

By soldering or riveting waste nuts to iron tank, the bibbs with pipe thread can be screwed into same to be used for oils and kerosene.

FIBRE BIBB WASHERS.

No. 45—In...	½	⅝
Size, thickness, in.	.23-32x7-32x1⅛	.25-32x7-32x⅜
Per gross ...	$1.20	1.20
	JCC	JCC

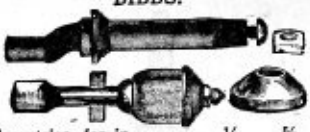
No. 45—In.	¾
Size, thickness, in.	⅞x7-32x⅛
Per gross	$1.40
	JDD

Rubber Compression, for Cold Water.

No. 45C—In.	½	⅝	¾
Per 100	$1.30	1.40	1.80
	JHJ	JHE	AAJ

NO. 45, ONE-HALF GROSS; NO. 45C, 100 IN A PACKAGE. WE DO NOT BREAK PACKAGES.

REPAIRS FOR FULLER HOSE BIBBS.



Eccentrics, for in.	½	⅝
Per dozen	$3.00	3.60
	ACE	AFE
Caps or Washers, per doz.	$0.40	.50
	AH	BC
Nuts, per dozen	$0.30	.30
	AD	AD
Stems, comp. with ball, per dozen	$3.00	3.60
	AJE	ACJ

LIQUOR COCKS.

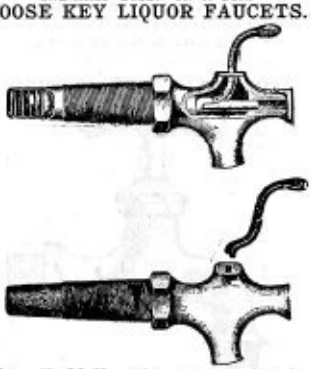


No. 65—McKenna's, ¾ in. long, loose key handle, polished brass body, nickel plated, heavily threaded shank, w't per doz. 9 lbs., per dozen ..... ABJJ $20.00

This faucet closes on the end, allowing no liquor to remain inside. The shank being nickel plated, no brass parts are exposed to contact with the liquor.

ONE-HALF DOZEN IN A BOX.

LOOSE KEY LIQUOR FAUCETS.



No. 17—McKenna's, patent burglar proof, ⅞ in., nickel plated, German silver strainer cap, w't per doz. 9½ lbs. ..... per dozen ABFJ $21.00

This Burglar-Proof Liquor Faucet embodies several improvements which obviate the usual objections to brass faucets. The valve is situated at the end inside the barrel, so that when closed no liquor remains in the body of the faucet. The German silver cap on end is provided with a strainer, which prevents the entrance of small particles of charcoal or other foreign substance.

The form of the loose key is such that it is impossible to open a faucet without a key exactly similar. The faucet can be kept open by a slight side movement of the key, but the key cannot be removed without closing the valve. The form of the valve which is used is such that it does not wear out, but will outlast any other.

ONE-HALF DOZEN IN A BOX.

COCKS, VALVES AND KEYS.

RACKING COCKS.



Polished Brass, Fast Key Handle, Long Tapered Shank to Drive.

Nos.	10	11	12
Size, in.	¼	⅜	½
W't, doz., lbs.	2½	4¼	6
Per dozen	$8.00	10.00	13.00
	CFE	JDEE	JEIE
Nos.		13	14
Size, in.		⅝	¾
W't per doz., lbs.		9	12
Per dozen		$18.00	27.00
		JHBJ	ABCJ

NOS. 10 TO 12, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.



Polished Brass, Fast Key Handle, Long Heavily Threaded Shank to Screw.

Nos.	21	22	23
Size, in.	⅜	½	⅝
W't, doz., lbs.	4	5½	8½
Per dozen	$10.50	14.00	19.50
	JDHJ	JFCE	JIJJ

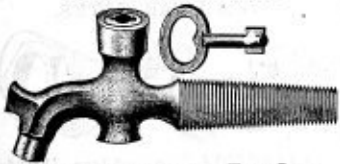
NOS. 21 AND 22, ONE DOZEN; NO. 23, ONE-HALF DOZEN IN A BOX.



Polished Brass, Loose Key, Long Tapered Shank to Drive.

Nos.	30	31	32
Size, in.	⅜	½	⅝
W't, doz., lbs.	4¼	6	10
Per dozen	$12.00	15.00	20.00
	JFBJ	JGGJ	AJBE

NOS. 30 AND 31, ONE DOZEN; NO. 32, ONE-HALF DOZEN IN A BOX.



Polished Brass, Loose Key, Long Threaded Shank to Screw.

Nos.	40	41
Size, in.	⅜	½
W't per doz., lbs.	8½	11
Per dozen	$12.50	16.00
	JFDJ	JHBJ

ONE DOZEN IN A BOX.

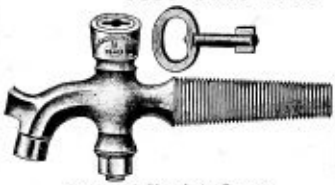
RACKING COCKS.

Extra Quality Polished Brass, Loose Key with Nut.



Long Tapered Shank to Drive.

Nos.	630	631	632
Size, in.	⅜	½	⅝
W't, doz., lbs.	5	6½	10
Per dozen	$14.00	17.00	22.00
	JGBJ	JHGJ	AACJ



Threaded Shank to Screw.

Nos.	640	641	642
Size, in.	⅜	½	⅝
W't, doz., lbs.	5	6½	10
Per dozen	$14.50	18.00	23.50
	JGDJ	JIBJ	ABJJ

ONE-HALF DOZEN IN A BOX.

COMPRESSION LOCK COCKS.

Extra Quality, Polished Brass, Loose Key Handle.



Long Tapered Shank to Drive.

Nos.	530	531	532
Size, in.	⅜	½	⅝
W't, doz., lbs.	8	10	13
Per dozen	$15.00	18.00	23.00
	JGGJ	JIBJ	AAHJ



Threaded Shank to Screw.

Nos.	540	541	542
Size, in.	⅜	½	⅝
W't, doz., lbs.	8	9½	12
Per dozen	$15.50	19.00	24.50
	JGIE	JIGE	AAEE

ONE-HALF DOZEN IN A BOX.

SILL COCKS.



No. 118¾.



No. 119¾.

Brass, Rough Body, Nickel Plated Trimmings, with Lock and Shield or Loose Key.

Nos.	118½	118¾
Size, in.	½	¾
W't per doz., lbs.	12	12
Per dozen	$14.00	14.00
	JHAJ	JHAJ

With Wheel Handle.

Nos.	119½	119¾
Size, in.	½	¾
W't per doz., lbs.	10	10
Per dozen	$13.00	13.00
	JHAJ	JHAJ

The loose key is more generally used in the city on apartment buildings where the hose connection is flush with the sidewalk. The wheel handle being used in private residences where they are set against the sill the advantage, of course, of the loose key being that the water is shut off and it is impossible for anyone to turn the water on unless he has a key.

ONE DOZEN IN A PASTEBOARD BOX.

Extra Keys for No. 118 sill cocks, per dozen ..... **ABJ** $3.00

GARDEN HOSE VALVES.



California Pattern, Rough Brass.

No. 8—Size ¾ in., w't per doz. 12 lbs., per dozen ..... **JEGJ** $19.80

Used principally in the Western States, or where a great deal of irrigating is done.

LOOSE.

HYDRANT KEYS.



Malleable Iron.

No. 114—Size, in.	½	⅝	¾
W't per doz., lbs.	8	8½	8½
Per dozen	$1.50	1.80	2.00
	JIJ	AAJ	ABJ

LOOSE.

BIBBS, BOTTLERS, FAUCETS AND GATES.

PATENT LOCK LEVER PLAIN BIBBS.



Rough Brass.

Nos.	1001-R	3001-R	1003-R
Size, in.	½	⅝	¾
Iron Pipe Thread, in.	½	¾	¾
W't doz., lbs.	11¼	11¾	11¼
Per dozen	$18.60	25.80	30 60
	JFFJ	JHDJ	JIFJ

No. 3001-F—Finished Brass, threaded for ¾ in. iron pipe, ⅝ in., w't per doz. 11 lbs. .....per dozen AJBJ $30.60

ONE-HALF DOZEN IN A BOX.

PATENT LOCK LEVER HOSE BIBBS.



No. 3004-R—Rough brass, threaded for ¾ in. iron pipe, ⅝ in., w't per doz. 12 lbs. .....per dozen JICJ $28.20

Nos. 3001-R, 3001-F *and* 3004-R *are particularly adapted for oil barrels such as gasoline, kerosene, etc. Can be locked by inserting padlock through loop.*

Spring and screw construction designed to take up wear between the bowl of the faucet and plug.

ONE-HALF DOZEN IN A BOX.

MEASURING FAUCETS.



No. 71—National, tinned, malleable iron cut-off gate, which shuts off the flow instantly, no measures or funnels needed, w't per doz. 85 lbs., per dozen .....BCJE $38.40

ONE DOZEN IN A CASE.

PETROLEUM FAUCETS.



Japanned Cast Iron, Lever Handle, with Brass Key.

SCREW SHANK FOR WOOD.

Nos.	13	14	5
Size, in.	⅜	½	⅝
W't, doz., lbs.	6	9	13
Per dozen	$10.00	11.00	13.00
	JCDE	JCHJ	JDEJ

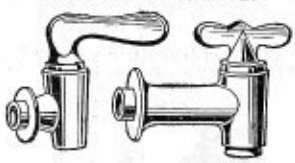
Nos.	6	7
Size, in.	¾	1
W't per doz., lbs.	18	28
Per dozen	$16.00	23.00
	JEDE	JGHE

NOS. 13 AND 14, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

SCREW SHANK FOR IRON PIPE.

Nos.	114	106
Size, in.	½	¾
W't per doz., lbs.	9	18
Per dozen	$12.00	17.00
	JDCJ	JFCJ

MILK CAN FAUCETS.



Cast Brass, Tinned.

No. 72—½ in., to solder, w't per doz. 3½ lbs. .....per dozen CFJ $5.00

Adapted to milk cans, milk coolers and cream separators. Constructed so as to set close to the can; particularly desirable for small cans and cream separators.

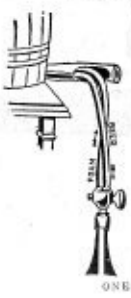
No. 83—⅝ in., to solder, w't per doz. 4 lbs. .....per dozen CIJ $6.00

No. 84—¾ in., to solder, w't per doz. 7 lbs. .....per dozen DEJ $8.00

Adapted to milk cans, milk coolers and cream separators.

ONE DOZEN IN A BOX.

HOME BOTTLERS.



No. 1 — Mc'Kenna's, bung of best quality cast aluminum, two improved rubber tubes made with one-ply linen insertion, strainer in each faucet, w't per doz. 15 lbs., per dozen AHJJ $30.00

All foam returns to the keg through the rubber tube. No air vent in the keg is necessary, as the air and foam returning to the keg maintain ample pressure.

ONE IN A BOX.

ANGLE PLUG FAUCETS.

No. 120 — ⅛ in., white metal, to solder, for metal cans, w't per doz. 2 lbs., per dozen JIE $2.00

Especially adapted to oil cans.



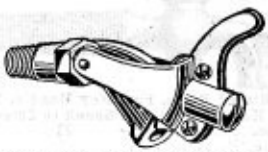
MOLASSES AND OIL GATES.



STEBBIN'S PATTERN, Japanned Iron, with Threaded Shank, to Screw.

Nos.	1	2	3
Bore, in.	1	1¼	1½
W't per doz., lbs.	10	13	23
Per dozen	$7.00	8.00	9.00
	AHJ	BJE	BCJ

Nos.	4	5
Bore, in.	1¾	1¾
W't per doz., lbs.	26	28
Per dozen	$10.00	12.00
	JBEE	JCAJ



PERFECTION, Japanned Iron. TO SCREW INTO WOOD.

No. 101 — Size, in.	½	¾	1
W't, doz., lbs.	17	19	20
Per dozen	$9.50	12.00	14.00
	JDAJ	JEBJ	JFJE

No. 101 — Size, in.	1¼	1½	2
W't, doz., lbs.	33	44	59
Per dozen	$16.50	20.00	28.00
	JFFJ	JGHJ	AADJ

TO SCREW INTO IRON PIPE.

No. 102—Size in.	½	¾	1
W't, doz., lbs.	17	20	20
Per dozen	$9.50	12.00	14.00
	DAJ	JDHJ	JEHJ

No. 102—Size, in.	1¼	1½	2
W't, doz., lbs.	33	44	59
Per dozen	$16.50	20.00	28.00
	JFHE	JHCE	AAFJ

WEIGH CAN GATES.



PERFECTION, Japanned Iron, Threaded Shank, to Screw.

No. 103—3 in., without collar, w't per doz. 87 lbs. ..per dozen BAFJ $50.00

No. 113—3 in., with galvanized collar, w't per doz. 110 lbs., per dozen .....BEIJ $60.00

ONE-HALF DOZEN IN A BOX.

BATH ROOM SUPPLIES.

SOAP DISHES.



No. 2602—To screw to wall, brass, heavily nickel plated and polished, 2¾x1¼ in., w't per doz. 1½ lbs., per dozen .....**ACJ** $2.20

ONE-HALF DOZEN IN A BOX.



No. 2601.



No. 2617.

No. 2601—For washstands, brass, heavily nickel plated, ball feet, 3x4¼ in., w't per doz. 2¼ lbs., per dozen .....**CIJ** $6.50

No. 2617—To screw to wall, brass, heavily nickel plated and polished, with hook, 4½x4 in., w't per doz. 5 lbs., per dozen .....**DBJ** $7.50

ONE DOZEN IN A BOX.



No. 3601—For bath tubs, brass, heavily nickel plated and polished, 4x5¼ in., w't per doz. 7½ lbs., per dozen .....**DIJ** $8.20

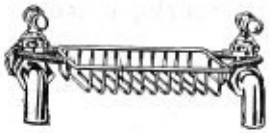
ONE-HALF DOZEN IN A BOX.



No. 100—For bath tubs, brass, heavily nickel plated and polished, 5x3 in., w't per doz. 4 lbs., per dozen .....**DJJ** $6.70

ONE DOZEN IN A BOX.

SOAP DISHES.



No. 182—Size 6x4⅛x1¼ in., springs and basket of brass wire, heavily nickel plated, w't per doz. 5 lbs., per dozen .....**JFFJ** $11.00

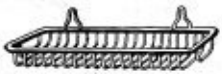
Has two spring hangers attached that hold soap dish directly in center of faucets.

ONE DOZEN IN A BOX.



No. 245—Wall Soap Dish, with removable opal tray, size 3½x5 in., w't per doz. 11¼ lbs...per dozen **JIJJ** $12.00

COMB AND BRUSH HOLDERS.



No. 3662—Brass, heavily nickel plated and polished, 10x3½x1¼ in., w't per doz. 10 lbs. ....per dozen **JHDJ** $14.00

ONE-HALF DOZEN IN A BOX.

SPONGE AND SOAP HOLDERS.



No. 3605—Combination sponge and soap holder, brass, heavily nickel plated and polished, 5x16¼ in., w't per doz. 12 lbs .....per dozen **ACBJ** $22.00

ONE-SIXTH DOZEN IN A BOX.

TUMBLER HOLDERS.



No. 3674—Brass, heavily nickel plated, w't per doz. 6 lbs., per doz. **CJJ** $3.00



No. 317—Brass, heavily nickel plated, height 4 in., w't per doz. 2¼ lbs., per dozen .....**CCJ** $5.00

ONE DOZEN IN A BOX.

TUMBLER AND TOOTH BRUSH HOLDERS.



No. 2614.



No. 133.

No. 2614—Tooth brush and tumbler, all brass, nickel plated, w't per doz. 6 lbs. .....per dozen **EDJ** $9.00

ONE DOZEN IN A BOX.

No. 133—Tooth brush and tumbler, brass, heavily nickel plated and polished, with screws, w't per doz. 5½ lbs. .....per dozen **EDJ** $9.00

ONE-HALF DOZEN IN A BOX.

PLATE GLASS SHELVES.



No. 5318—Trimmings all brass, nickel plated, glass shelf 18x5x⅜ in., polished edges, with brackets, w't per doz. 30 lbs. ....per dozen **JHGJ** $14.50

No. 5316—Trimmings, all brass, nickel plated, glass shelf, 24x5x⅜ in., polished edges, with brackets, w't per doz. 50 lbs. ....per dozen **AJHJ** $18.00

ONE IN A PACKAGE.

BATH ROOM SUPPLIES.

TUMBLER AND SOAP HOLDERS.



No. 160—Brass, nickel plated, w't per doz. 8 lbs.....per dozen **JFFJ** $11.00



No. 3630—Brass, heavily nickel plated and polished, removable soap tray, w't per doz. 7½ lbs., per doz. **AJHJ** $18.00

RING TOWEL RACKS.



No. 121—Brass, nickel plated and polished, diam. of rings 4½ in., w't per doz. 6½ lbs.....per dozen **EGJ** $9.50

TOOTH BRUSH RACKS.



No. 2593—Brass, heavily nickel plated, 6¾ in., w't per doz. ¾ lb., per dozen .....**ABJ** $2.00

WHISK BROOM HOLDERS.



No. 111—Brass, heavily nickel plated and polished, with screws, w't per doz. 1 lb., per dozen . **AIJ** $2.00

ONE DOZEN IN A BOX.

BATH SPRAYERS.



No. 2608—All metal work is brass, 5 ft. first quality ⅜ in. rubber tubing, 3 in. rose, single bulb, for faucet up to ¾ in., w't per doz. 6 lbs., per dozen .....**JHAJ** $12.00

No. 132—All metal work is brass, heavily nickel plated 3 in. rose, rubber lined metal fastening, 5 ft. best quality ⅜ in. pure red rubber tubing, w't per doz. 6 lbs., per dozen..$20.00 **JHGJ**



ONE IN A BOX.

BATH TUB SEATS.



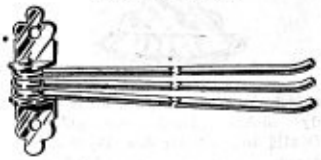
No. 3—Hardwood, heavy nickeled wire, rubber covered to protect tub, 19×5½ in., w't per doz. 44 lbs., per dozen.....**EGJ** $9.50



No. 1100—Polished oak, beveled edges, heavy nickel plated trimmings and adjustable sliding rubber covered supports, fitting any rolled edge tub, 19×5½ in., w't per doz. 46 lbs., per dozen.....**JGBJ** $13.00

ONE IN A PACKAGE.

TOWEL BARS.



No. 29—12 in., nickel plated, steel plate, Bessemer steel rods, w't per doz. 4½ lbs..... per dozen **JGJ** $1.20

ONE DOZEN IN A BOX.



No. 2645—Brass, heavily nickel plated and polished, 3 bars 13×¼ in., w't per doz. 10 lbs., per dozen **JGEJ** $12.50

ONE DOZEN IN A BOX.



Diameter ½ Inch, All Brass, Nickel Plated.

Nos.	1418	1424	1430
Length, in.	18	24	30
W't, doz. lbs..	5	6	6½
Per dozen	$5.30	6.20	7.00
	CBJ	**CGJ**	**DBJ**

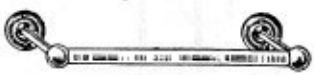
ONE-HALF DOZEN IN A PACKAGE; SCREWS PACKED WITH EVERY PIECE.



Diameter ½ Inch, Nickel Plated.

Nos.	1518	1524	1530
Length, in.	18	24	30
W't, doz., lbs..	9	11	12
Per dozen	$8.00	8.70	9.50
	DHJ	**EBJ**	**EGJ**

ONE-HALF DOZEN IN A PACKAGE; SCREWS PACKED WITH EVERY PIECE.



Tough Polished Glass, Each End Accurately Fitted to a Nickel Plated Brass Bracket.

Nos.	2618	2624	2630
Diam., in.	⅝	⅝	1
Length	18	24	30
W't, doz., lbs..	30	18	39
Per dozen	$11.00	12.00	28.00
	JFJJ	**JGBJ**	**ABFJ**

ONE-HALF DOZEN IN A BOX.

BATH ROOM SUPPLIES AND BELLS.

HAT AND COAT AND RAZOR STROP HOOKS.



No. 780. No. 71. No. 72.

Brass, Nickel Plated and Polished.

No. 780—Razor Strop, projects 1 in., w't box of 2 doz. 2 lbs., per dozen .....**JGJ** $1.00

No. 71—Hat and Coat, projects 1¼ in., w't per doz. ¾ lb., per dozen .....**JFE** $1.10

No. 72—Hat and Coat, projects 2¼ in., w't per doz. 1 lb., per dozen .....**JIJ** $1.50



No. 760. No. 5501.

No. 760—Hat and Coat, height 3¼ in., w't per doz. 2 lbs., per dozen .....**BDJ** $4.00

No. 5501—Hat and Coat, height 6 in., w't per doz. 3½ lbs., per dozen .....**CIJ** $6.50

PORTLAND ADJUSTABLE SHAVING MIRRORS.



No. 100—High grade, nickeled stock, 6 in. heavy French plate beveled glass, w't per doz. 18 lbs., per dozen .....**BAJJ** $35.00

There are six joints in the arm which allow the mirror to be placed at any angle or height. It will swing in a radius of from one to sixteen inches, takes up but a few inches of wall space, can be folded up and hung downward or taken off completely and used as a hand mirror.

It is strong and durable, and is three mirrors in one.

ONE IN A BOX WITH SCREWS.

TOILET PAPER HOLDERS.



No. 415. Nos. 35 and 45.

No. 415—Buffed bail holder and bail, wood roller, w't per doz. 4 lbs., per dozen .....**EJ** $0.80

No. 35—Steel brackets and pivots, selected oak roller, oil finished, w't per doz. 4½ lbs.....per dozen **JIE** $1.60

No. 45—Nickel plated, otherwise same as No. 35.....per dozen **BGJ** $4.00



No. 2686 — Nickel plated brackets and pivots, black wood roller, w't per doz. 6 lbs., per dozen . . $7.20 **DCJ**

ONE DOZEN IN A BOX.

TOILET PAPER.

Sterilized.



No. 20—Small rolls, width 4½ in., diam. 4½ in., 7½ oz., short count, ordinary grade, w't per case 60 lbs., per case .....**CBJ** $6.00

No. 30—Large rolls, width 4½ in., diam. 4½ in., 10 oz., 1,000 sheets full count, best quality, w't per case, 75 lbs., per case .... **DHJ** $9.00

ONE HUNDRED ROLLS IN A CASE.

CALL BELLS.



No. 9300.

No. 9300—2½ in., nickel plated cast bell-metal gong, bronzed iron base, w't per doz. 6 lbs., per dozen .....**JFJJ** $10.00

ONE IN A BOX.

CALL BELLS.



No. 72. No. 9452.

No. 72—2¾ in., nickel plated steel gong and base, w't per doz. 3½ lbs., per dozen .....**BCJ** $3.80

No. 9452—2¾ in., nickel plated sheet steel metal gong, lacquered iron base, w't per doz. 5 lbs., per dozen .....**DBJ** $7.00

HAND BELLS.



No. 8S. No. 0. No. 10A

Polished Brass, Enameled Handle.

Nos.	0	1	2
Diam. of mouth	2	2¼	2¾
W't per doz., lbs.	2	2¾	3½
Per dozen	$2.00	2.62	3.50
	AAE	**AEJ**	**BJJ**
Nos.	**3**	**4**	**5**
Diam. of mouth	2¾	3¼	3¾
W't per doz., lbs.	4	5½	7
Per dozen	$4.50	6.50	8.50
	BFJ	**CGJ**	**DHE**
Nos.	**6**	**7**	**8**
Diam. of mouth	4	4¼	5
W't per doz., lbs.	8½	12	13½
Per dozen	$11.25	13.75	18.50
	JFDJ	**JGHF**	**AJEE**
Nos.	**9**	**10**	**12**
Diam of mouth	5¼	5½	6¼
W't per doz., lbs.	17	21	29
Per dozen	$24.00	30.00	36.00
	ACGJ	**AGAJ**	**BJEJ**

Swiss, Pure Copper and Tin Without Alloy, Enameled Handle.

Nos.	8S	10S
Diam. of mouth, in.	4¼	5¼
W't per doz., lbs.	17	24
Per dozen	$22.50	38.25
	ADFJ	**BDHJ**

No. 10A—Auction, pure copper and tin without alloy, highly polished, enameled handle, diam. of mouth 6¼ in., w't per doz. 48 lbs., per dozen .....**BFDJ** $40.00

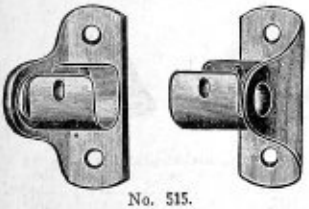
TEA BELLS.



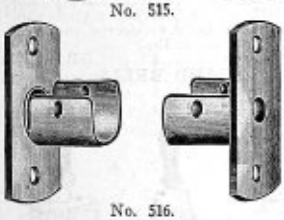
No. 1T—White metal, enameled handle, 2½ in. mouth, w't per doz. 3 lbs., per dozen .....**AEE** $2.60

CURTAIN RODS AND TRIMMINGS.

CURTAIN ROD BRACKETS.



No. 515.



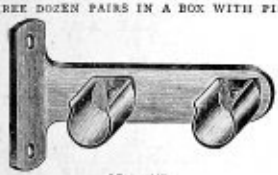
No. 516.

Polished Brass, Rods Snap Securely Into Place.

No. 515—Single, outside, for ⅜ in. solid curtain rod, w't per doz. prs. ¾ lb., per dozen pairs .....**JGJ** $1.20

No. 516—Single, inside, for ⅜ in. solid curtain rod, w't per doz. prs. ¾ lb., per dozen pairs .....**JGJ** $1.20

THREE DOZEN PAIRS IN A BOX WITH PINS.



No. 517.



No. 518.

Polished Brass, Rods Snap Securely Into Place.

No. 517—Double extension, for ¾ in. solid curtain rods, projection ⅜ in. to inside rod ,w't per doz. prs. 1½ lbs., per dozen pairs .....**AHJ** $3.00

No. 518—Single extension, for ¾ in. solid curtain rods, projection 1½ in. to rod, w't per doz. prs. 1 lb., per dozen pairs .....**ADE** $2.40

THREE DOZEN PAIRS IN A BOX WITH PINS.

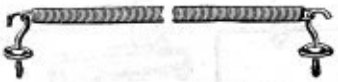
CURTAIN RODS.



No. 3—Solid, ⅜ in. diameter, 12 ft. long, brass plated steel, w't per doz. ft. 4½ lbs. .....per doz. ft. **BG** $0.45

FORTY-TWO DOZEN FEET IN A CASE.

SPRING CURTAIN RODS.



Nickel Plated Steel Piano Wire, Nickel Plated Screw Hooks for Fastening, Can Be Used On Inside Or Outside of Sash.

No. 16—16 in. long, $\frac{5}{16}$ in. outside diameter, for sash curtains, extends to fit 20 to 26 in. windows, w't per doz. ½ lb.....per dozen **JFJ** $1.00

No. 22—22 in. long, $\frac{5}{16}$ in. outside diamter ,for sash or window curtains, extends to fit 28 to 36 in. windows, w't per doz. 1 lb., per doz. **AJJ** $1.70

No. 28—28 in. long, ¾ in. outside diameter, for window curtains, extends to fit 36 to 48 in. windows, w't per doz. 2 lbs. .....per dozen **ADE** $2.40

ONE IN AN ENVELOPE; SIX DOZEN IN A BOX.

CURTAIN RODS.



No. 4—¾ in. ball tips, $\frac{5}{16}$ in. brass plated steel tube, with solid inner rod, with No. 371 brass screw hooks, adjustable from 23 to 42 in., w't per doz. 3½ lbs. .....per dozen **EJ** $0.80

THREE DOZEN IN A BOX.



No. 2—Loop ends, ¾ in. brass plated steel tubes, brass loop fixtures for inside or outside, adjustable from 24 to 44 in., w't per doz. 4 lbs., per dozen .....**JIE** $1.60

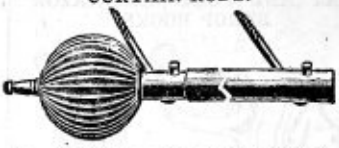
ONE DOZEN IN A BOX.



No. 1—¾ in. brass knobs, $\frac{5}{16}$ in. brass plated steel tubes, with No. 347 brass screw hooks, adjustable from 30 to 54 in., w't per doz. 3 lbs., per dozen .....**JIE** $1.60

ONE DOZEN IN A BOX.

CURTAIN RODS.



No. 3B—1¼ in. silvered ball knobs, brass tipped, $\frac{5}{16}$ in. brass plated steel tubes, with No. 347 brass screw hooks, adjustable from 30 to 54 in., w't per doz. 3½ lbs., per dozen **JIE** $1.60

TWO DOZEN IN A BOX.

CURTAIN ROD HOOKS.



No. 371—Brass plated screw hooks, 1⅝ in. long, for sash curtain rods, w't per gross ½ lb.....per gross **CE** $0.60

No. 347—Brass plated screw hooks, 2½ in. long, for window curtain rods, w't per gro. 2 lbs., per gross **DB** $0.70

ONE GROSS IN A BOX.

CURTAIN RINGS.



Brass.

No. 7—Inches	⅜	½	⅝
Per gross $0.22	.24	.30	
	AC	**AD**	**AH**
No. 7—Inches	¾	1	
Per gross $0.36	.85		
	BB	**EJ**	

ONE GROSS IN A PACKAGE; TWELVE PACKAGES IN A BOX.

SCREW RINGS.



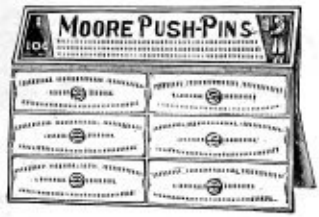
Brass.

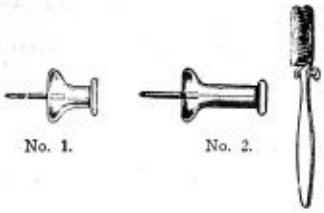
No. 5—⅜ in.....per gross **CB** $0.55

ONE GROSS IN A BOX.

PUSH PINS, HANGERS AND HOOKS.

MOORE PUSH PINS.



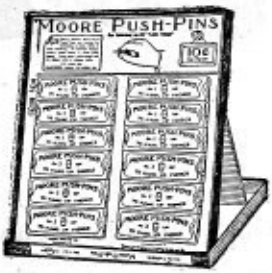


No. 1. No. 2.

No. 1—Style A, length 5/8 in., round tapered steel points, firmly embedded in handles of polished, transparent glass, w't per gro. 3/4 lbs., per gross .....**AIJ** $3.20

No. 2—Style A, length 1 in., round tapered steel points, firmly embedded in handles of transparent glass, w't per gro. 7/8 lb. ...per gross **AIJ** $3.20

HALF DOZEN IN A 10c PACKET; 24 PACKETS (1 GRO.) IN A CARTON.



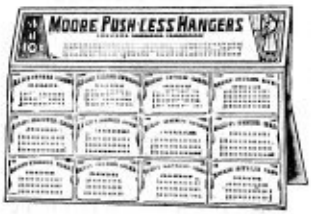
No. 9—Style B, assorted, Nos. 1 and 2, 5/8 and 1 in. lengths, on easel, w't per gro., 2 easels, 3/4 lb., per gross .....**AIJ** $3.20

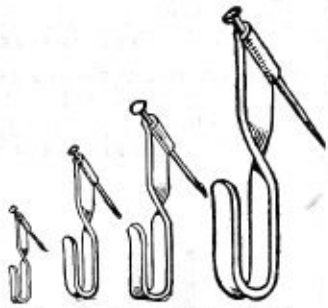
The Gray Easel-Carton, dimensions 10½x9½x3¼ in., printed in two colors, contains:

6—10c packets of 6 No. 1 and
6—10c packets of 6 No. 2, or a total of 1/2 gross Moore Push Pins described above.

WE DO NOT BREAK CARTONS.

MOORE PUSH-LESS HANGERS.





No. 24. No. 25. No. 27. No. 28.

Brass Hooks, with Inclined Steel Driving Pins, Suitable for Use in Wood or Plaster. Will Not Mar the Wall. In Packets to Retail at 10c Each.

No. 24—Style A, hook 3/4 in. long, pin 1/4 in. long, will support 10 lbs., w't per carton 9 oz., per carton **AIJ** $3.20

TEN IN A PACKET, 24 PACKETS IN A CARTON.

No. 25—Style C, hook 1 5/8 in. long, pin 3/4 in. long, will support 20 lbs., w't per carton 12 oz., per carton **JIE** $1.60

SIX IN A PACKET, 12 PACKETS IN AN EASEL DISPLAY CARTON.

No. 27—Style A, hook 1 5/8 in. long, pin 1 3/8 in. long, will support 50 lbs., w't per carton 1¾ lbs., per carton .....**AIJ** $3.20

FOUR IN A PACKET, 24 PACKETS IN A CARTON.

No. 28—Style A, hook 2¼ in. long, pin 1¼ in. long, will support 100 lbs., w't per carton 2½ lbs., per carton .....**AIJ** $3.20

THREE IN A PACKET, 24 PACKETS IN A CARTON.

WE DO NOT BREAK CARTONS.

TIP TAX.



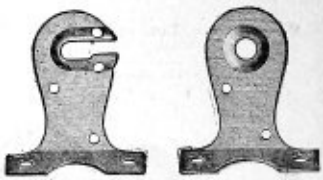
Thumb Tack Corners That Do Not Injure. In Packets to Retail at 5c Each.

No. 10—Tiptax, made of heavy cold rolled steel, beautifully enameled in dull black rubber finish, w't per carton 8 oz. .....per carton **EJ** $0.80

Tip Tax can be pressed into ordinary plaster or hammered into the hardest wood. They go around the corner instead of piercing the cardboard, and add a finishing touch. For cards, photos signs, drawings, etc. Packed with colored display sign, which illustrates fourteen uses in homes, stores, theatres, hotels and schools.

TWELVE IN A PACKET, 12 PACKETS IN A CARTON. WE DO NOT BREAK CARTONS.

SPRING SHADE ROLLER BRACKETS.



Stamped Steel, Copper Plated.

No. 415—For hanging shade outside of sash—

For Roller, in.	15-16	1
Bracket, in.	1⅝x1¼	1⅝x1½
W't gross prs., lbs.	3½	6¼
Per gross pairs	$1.20	2.00
	JGJ	ABJ

No. 417—For hanging shade inside of sash—

For Roller, in.	1
Bracket, in.	1¼x⅝
W't per gross prs., lbs.	2⅝
Per gross pairs	$2.00
	ABJ

PICTURE HOOKS, WIRE, DISPLAY HANGERS, ETC.

PICTURE HOOKS.



No. 107. No. 27.

No. 107—Wrought steel, plain, brass plated, for 1¼ in. moulding, w't per gro. 1¼ lbs.....per gross **CJ** $0.48

No. 27—Wrought steel, fancy, brass plated, for 1½ in. moulding, w't per gro. 2¼ lbs.....per gross **EE** $0.90

ONE GROSS IN A BOX.



No. 164. No. 327.

No. 164—Wrought steel, half round wire, brass plated, for 1½ in. moulding, w't per gro. 2 lbs.....per gross **DE** $0.72

ONE GROSS IN A BOX.

No. 327—Wrought brass, for 1¼ in. moulding, convex top and bottom adds to the strength and stiffness, w't per gro. 2 lbs. .....per gross **ADJ** $2.30

ONE-HALF GROSS IN A BOX.

PICTURE NAILS.



No. 30—Crown, 3 in., nickel plated, with spiral wire head, w't per gro. 3¼ lbs., per gross .....**ADE** $2.40

ONE-QUARTER GROSS IN A BOX.



No. 9. No. 24. No. 101.

Plain Polished Brass Rim.

No. 9—⅞ in., white porcelain center, w't per gro. 2¾ lbs, per gross .....**AEJ** $2.50

ONE GROSS IN A BOX.

Plain Silver Finish Rim.

No. 24—⅝ in., ruby star glass center, per gross .....**BAJ** $3.50

No. 101—1⅛ in., ruby cross glass center, per gross .....**BBJ** $3.70

ONE-QUARTER GROSS IN A BOX; W'T PER GROSS 3 LBS.

REVONOC PICTURE WIRE.



Braided Tinned Wire, 25 Feet in a Coil.

Nos.	10	20	30
Number of strands.	8	12	16
W't, doz. coils, lbs..	¾	1	1½
Per dozen coils.....$1.75	2.50	3.25	
	JBE	**JDJ**	**JEJ**

Braided Gilt Wire, 25 Feet in a Coil.

Nos.	11	12	13
Number of strands.	8	12	16
W't doz. coils, lbs..	1	1⅞	1¾
Per dozen coils.....$4.50	6.50	9.00	
	JFE	**JIE**	**ACJ**



No. 1. No. 2. No. 3.

Braided Tinned Wire, 25 Yards in a Coil.

Nos.	1	2	3
Number of strands..	8	12	16
W't doz. coils, lbs..	2½	2¾	3¼
Per dozen coils $3.50	5.00	6.50	
	JEJ	**JGE**	**JIE**

ONE COIL IN A BOX; ONE DOZEN BOXES IN A CARTON.

PICTURE CHAINS.



No. 110—No. 19 brass ladder chain, with brass moulding hook and screw hook, length 3 ft., adjustable in length, for picture nail or moulding, w't per doz. ¼ lb. .....per dozen **JFJ** $1.00

ONE DOZEN IN A BOX.

STAIR RODS.



Polished Brass, Oval.

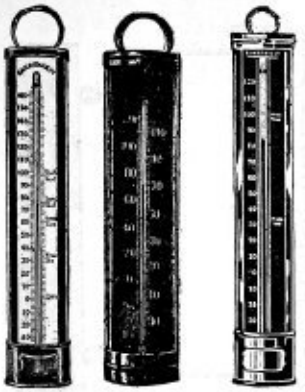
Length, in...	⅝x24	¾x26	⅞x28	¾x30
W't,doz.,lbs.	2	2½	3	3½
Per dozen ..	$1.25	1.40	1.70	1.80
	JGE	**JHE**	**AJJ**	**AAJ**

TWO DOZEN IN A PACKAGE, COMPLETE WITH OVAL LOOPS.

OUR VERY BEST OVB

Our reputation founded on over half a century's business stands back of the OVB brand.

THERMOMETERS.



Nos. 8 to 100. Nos. 17 & 18. Nos. 81 & 91.

Japanned Tin Case, Common Grade, Lithographed Tin Scale, Black Figures, Magnifying Tube, Scale Range 10° to 40° Below Zero for Nos. 8 and 10 and 20° to 60° Below Zero for Nos. 80 and 100, to 120° F. Above.

No.	Size.	Per dozen.	
70	7 in.	JIJ	$1.50
8	8 in.	ABJ	2.50
80	8 in.	ABJ	2.50
10	10 in.	ADE	3.00
100	10 in.	ADE	3.00

APPROXIMATE W'T PER DOZ. 3 LBS. NOS. 7, 8 AND 10 HAVE MERCURY TUBES, NOS. 70, 80 AND 100 HAVE SPIRIT TUBES.

No. 17—8 in. heavy copper plated case, selected grade, black oxidized brass scale, white filled figures, magnifying mercury tube, scale range 20° to 40° below to 120° F. above zero, w't per doz. 4 lbs.....per dozen **DFJ** $9.65

No. 18—10 in., otherwise same as No. 17, per dozen .....**JEEJ** $11.50
ONE DOZEN IN A BOX.

Japanned Tin Case, Selected Common Grade, Black Oxidized Brass Scale, White Filled Figures, Scale Range 10° to 40° Below to 120° F. Above Zero.

Nos.	81	91
Length, in.	8	10
Tube	Mercury	
W't per doz., lbs.	3	3
Per dozen	$6.25	8.50
	CJJ	DAJ

No. 502—8 in., copper plated tin case, otherwise same as No. 81, per dozen .....**BEJ** $5.25
ONE DOZEN IN A BOX.



No. 4½. Nos. 3 and 36. No. 5358.

No. 4½ GTS—8 in. heavy japanned tin case, accurate grade, black oxidized brass scale, white filled figures, scale range 10° to 40° below to 120° F. above zero, selected magnifying mercury tubes, w't per doz. 4 lbs., per dozen .....**JIJJ** $18.75

No. 5 GTS—10 in., otherwise same as No. 4½ GTS, per dozen .....**AAGE** $24.50

GTS thermometers have thoroughly seasoned tubes, and are guaranteed accurate within one degree.
ONE-HALF DOZEN IN A BOX.

HIGH RANGE.

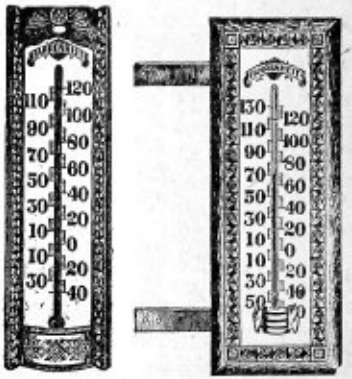
No. 3—10 in., japanned tin case, common grade, lithographed tin scale, black figures, mercury tubes, scale range 0° to 270° above, w't per doz. 4 lbs.....per dozen **BJE** $4.25

No. 36—10 in., heavy japanned tin case, selected common grade, lithographed tin scale, large easy reading figures, magnifying spirit tubes, scale range 0° to 270° abbve, w't per doz. 4 lbs., per dozen .....**CCJ** $8.50

No. 36 thermometers are made especially for hop curing, tobacco curing, dry kiln and fruit evaporating. Easy reading feature appreciated, as these thermometers are ordinarily used in places which are not too well lighted.

DESK.

No. 5358—Mission mantel or desk thermometer, quarter sawed oak stand 6 in. high, 1¼ in. wide, easy reading spirit tube, w't per doz. 2 lbs., per dozen .....**BDJ** $4.00



Nos. 348 & 349. No. 14½.

No. 348—8 in., lithographed tin scale, magnifying spirit tube, range 20° to 60° below to 120° F. above, common grade, w't per doz. 5 lbs., per dozen .....**ADJ** $2.90

No. 349—10 in., otherwise same as No. 348.....per dozen **AHJ** $3.75

No. 14½—10 in., varnished wood back, lithographed tin scale, magnifying spirit tubes, range 20° to 60° below to 120° F. above, with two metal arms for attaching to outside of window, w't per doz. 5 lbs., per dozen .....**BGJ** $5.65

No. 38—8 in., without metal arms, otherwise same as No. 14½, per dozen .....**AHJ** $3.75

No. 39—10 in., without metal arms, otherwise same as No. 14½, per dozen .....**BBJ** $4.65
ONE DOZEN IN A BOX.



No. 1452—Enameled wood back, 8 to 10 in., finished in attractive colors, distance reading, assorted spirit and mercury tubes, range 20° to 60° below to 120° F. above, per dozen .....**BAJ** $4.40
This is a very attractive assortment at a popular price, to use as a leader.
ONE-HALF DOZEN ON A DISPLAY CARD.

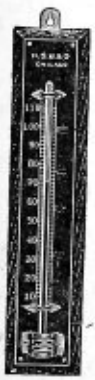
THERMOMETERS.



Nos. 250 to 2510.

Household, Cherry Finished Wood Back, Oxidized Black Scale with White Figures, Medium Quality Magnifying Tubes, Mercury Range 10° to 40° Below Zero to 120° F. Above, Spirit Range 10° to 60° Below and 120° Above.

Nos.	250	251	2510	252
Length, in..	7	8	8	10
Tube	Mercury		Spirit	M'rc'y
W't per doz., lbs.	4	4	4	4
Per dozen..	$5.25	5.90	5.90	7.75
	BEJ	BHJ	BHJ	CGJ

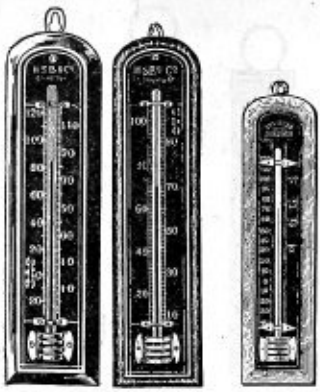


Nos. 0254 to 255.

Household, Polished Golden Oak Back, Beveled Oxidized Brass Scale, with White Figures, High Quality, Carefully Tested, Magnifying Mercury Tubes, Scale Range 20° to 40° Below to 120° Above, Spirit Tubes 20° to 60° Below to 120° Above.

	0254	254	2540	255
	6	8	8	10
	Mercury		Spirit	M'rc'y
No. 24—½ per gross	5	4	5	
No. 10½—1 per gross	11.65	11.90	11.90	15.00
	J JEEJ	JEEJ	JGBJ	

ONE-QUARTER



No. 265 No. 608. No. 0265.

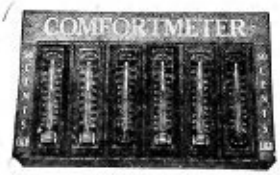
No. 265—8 in. polished golden oak back, cove moulded, oxidized brass scale with silvered figures, highest quality magnifying mercury tubes, seasoned, tested and graduated with special care as to accuracy, scale range 10 degrees to 20 degrees below to 100 degrees above, w't per doz. 5 lbs.....per dozen **AAGJ** $24.40

No. 608—8 in. polished mahogany back, piano finish, oxidized beveled brass scale, silvered figures, highest quality, magnifying mercury tubes, seasoned, tested and graduated with special care as to accuracy, scale range 0 degrees to 20 degrees below to 110 degrees above, per dozen .....**AEAJ** $31.50

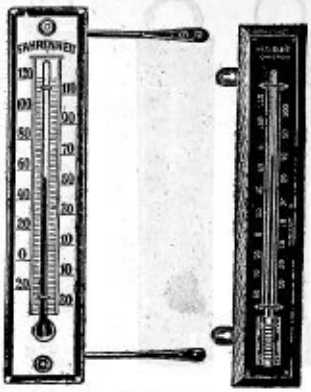
thermometers are of highest possible quality. The tubes are seasoned and carefully selected, and will remain accurate indefinitely.

No. 0265—8½ in., polished natural oak back, cove moulded black veneer scale with white filled figures, mercury tubes, scale 30 degrees below to 120 degrees above, w't per dozen 5 lbs., per dozen .....**CFJ** $6.00

ONE DOZEN IN A BOX.



No. 5151—Comfortmeter Assortment, consisting of twelve thermometers, with 3½ in. solid oak back, stained in weathered Flemish and green oak with oxidized brass scales to match, large easy reading spirit tubes, each in a carton, twelve in a special display case, w't per asst. 3 lbs., per assortment .....**DEJ** $7.50



Nos. 46 to 470. No. 663.

Window Thermometers, Plate Glass with Beveled Edges, White Enameled Face Plate with Black Figures, Magnifying Tubes, Scale Range Mercury, 20° to 40° Below, Spirit 40° to 60° Below to 120° F. Above.

Nos.	46	460	47	470
Length, in.	8	8	10	10
Tube	M'rc'y	Spirit	M'rc'y	Spirit
W't, doz., lbs.	8	8	8	8
Per doz.	$16.90	16.90	22.50	22.50
	JHAJ	JHAJ	AJHJ	AJHJ

These thermometers are furnished with nickel plated arms for attaching to window frame. The thermometers can be easily and plainly read from the inside of the house.

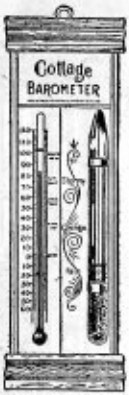
No. 663—Minimum registering thermometer, 10 in., beveled oak back, black oxidized brass scale with white figures, magnifying tubes, scale range 20 deg. to 60 deg. below to 120 deg. F. above.....per dozen **AAJE** $23.00

This thermometer is designed to hang in a horizontal position. The needle which is in the liquid of the thermometer falls and remains at lowest point, thus indicating lowest temperature since previous observation.

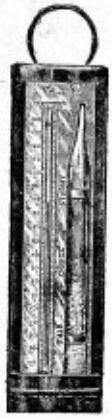
ONE-HALF DOZEN IN A BOX.

THERMOMETERS.

WITH STORM GLASS.



No. 58.



No. 1521.

No. 58—Cottage barometer, lithographed tin scale and background, varnished wood ends, spirt tube thermometer, with storm glass, size 8½x3 in., w't per doz. 4 lbs., per dozen **ADE** $3.60

ONE DOZEN IN A BOX.

No. 1521—Japanned tinned case, oxidized scale with white figures, mercury tube, scale range 10° to 40° below to 120° above, size 8x2¼ in., per dozen .....**CJJ** $7.00

ONE-HALF DOZEN IN A BOX.



No. 100—Assortment, consisting of six thermometers, two each 7, 8 and 10 in., birch and walnt backs, beveled edges, assorted silver and oxidized scales, assortments are all mercury tubes, range 10 or 40 deg. below to 120 deg. above, displayed on an easel 12½ in. by 12½ in., w't per ass't 2 lbs., per assortment .....**AHJ** $2.20

These thermometers make an attractive dispaly on the counter and sell themselves.

BAKE OVEN. CHANDELIER.



No. 321.



No. 355.

No. 321—Flanged oxidized black scale, silvered figures, easel back, mercury tubes, approximate scale range 200° to 600° F., 6 in., per dozen .....**ABGH** $26.70

This thermometer is designed (especially) for home cooking and small bakeries. Its use effects a great saving in preventing under and overcooking of foods.

No. 355—Radial scale, black oxidized brass scales, nickel plated ends and chain, magnifying spirit tube, range 20° below to 120° above, length 8 in., w't per doz. 8 lbs., per dozen .....**AIBJ** $48.00

Designed to hang from chandelier or bracket. Can be read at a distance from any side of the room.

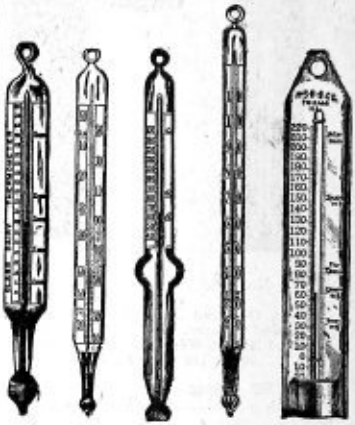
ONE-HALF DOZEN IN A BOX.



No. 2024—Assortment, consisting of twelve 8 in. wood back thermometers, assorted colors, scale range 20° to 40° below to 120° above, with special indoor references, w't per asst. 3 lbs., per assortment .....**ADJ** $2.30

A select wood back thermometer at a very attractive price.

DAIRY.



No. 14. Nos. 140 & 142. No. 145. No. 5700. No. 12.

No. 12—8 in. flanged brass scale, black filled figures, sliding guard, white backed mercury tubes, approximate scale range 20° to 220° F., w't per doz. 2 lbs.....per dozen **AIJ** $4.00

ONE-HALF DOZEN IN A PACKAGE.

No. 14—All glass floating, length 8 in., common grade mercury tubes, paper scale, range 0° to 150° F., not weighted, per dozen.....**ABJ** $2.50

No. 140—All glass floating, 8½x⅝ in., common grade shot weighted, guaranteed to float upright, printed flat scale, easy reading black figures, spirit tubes, range 10° to 150° F., w't per doz. 1 lb...per dozen **AEJ** $3.20

No. 142—Mercury tubes, otherwise same as above.....per dozen **AEJ** $3.20

No. 5700—Churning, floating, all glass, 10 in., hand written scale, accurate within one degree, mercury tube, approximate range 10° to 110° F., shot weighted, guaranteed to float upright, w't per doz. 1 lb., per dozen .....**JGBJ** $15.00

ONE DOZEN IN A PACKAGE.

THERMOMETERS.

STANDARD GRADE INCUBATOR.



No. 105. No. 754.

Black Oxidized Brass Scale with White Filled Figures, Seasoned and Selected Tubes, Mercury, Scale, Range 90 to 110 deg. F. Above.

No. 105 ⓀⓂⓆ—4 in., with flange on both sides .....per dozen **DEJ** $9.40

No. 754 ⓀⓂⓆ—4 in., with flange on one side and brass adjustable legs on the other.....per dozen **JEJE** $10.50

ⓀⓂⓆ *Incubator Thermometers are made with greatest possible care. The tubes are thoroughly seasoned and tested, and the graduations on the scale are made with the utmost care to insure accuracy. We guarantee every* ⓀⓂⓆ *Incubator Thermometer to be accurate within one degree.*

INCUBATOR HYGROMETERS.



No. 5796—Black oxidized brass scale, white filled figures, mercury tube, glass cistern with silk wick, 4 in. scale with complete directions, per dozen.....**AFAJ** $30.00

The Hygrometer used in connection with a standard grade thermometer accurately indicates percentage of moisture present in the incubator. Millions of chicks die in the shell every year for want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the Hygrometer as important as a thermometer in an incubator.

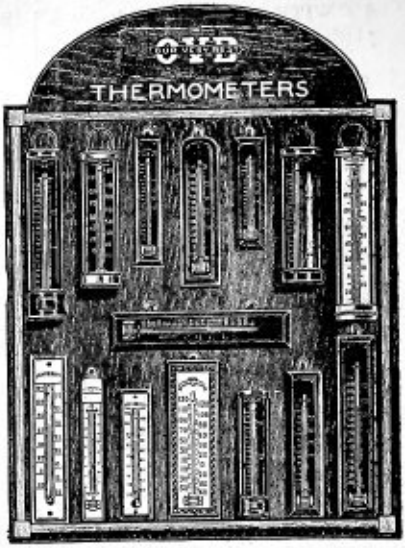
ONE IN A BOX.

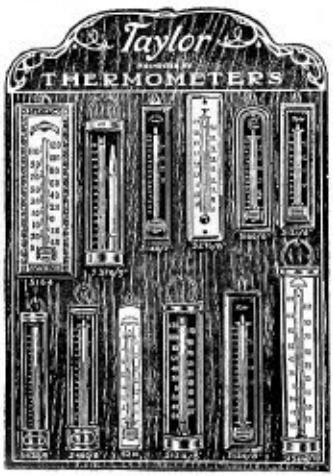
No. 1 ⓀⓂⓆ—Handsome weathered oak display board with brass hooks and 37 thermometers—15 styles—to retail at from 25 cents to $1.25 each assortment contains the following thermometers, per assortment.....**ADDJ** 730.00

	No.	Size	Retail Value	Total Retail Value
3 only	14½	10 in.	$0.35	$1.05
6 only	37	10 in.	.25	1.50
6 only	250	8 in.	.35	2.10
3 only	81	7 in.	.35	1.05
3 only	1521	9 in.	.35	1.05
3 only	17	8 in.	.50	1.50
2 only	18	10 in.	.75	1.50
2 only	0254	6 in.	.60	1.20
3 only	254	8 in.	.75	2.25
1 only	255	10 in.	1.00	1.00
1 only	46	8 in.	1.00	1.00
1 only	47	10 in.	1.25	1.25
1 only	663	10 in.	1.25	1.25
1 only	265	8 in.	1.25	1.25
1 only	5	10 in.	1.25	1.25
37				$20.20

These assortments are made up of the best sellers and the very attractive manner of the display will increase the thermometer business very much.

ONE ASSORTMENT IN A PACKAGE, W'T 30 LBS.





No. 0—Imitation oak display board with brass hooks and 18 thermometers—12 styles—to retail at from 25 cents to $1.25 each, assortment contains the following thermometers, per assortment.....**JGBJ** $15.00

	No.	Size	Retail Value	Total Retail Value
2 only	14½	10 in.	$0.35	$0.70
3 only	37	8 in.	.25	.75
3 only	250	7 in.	.35	1.05
2 only	81	8 in.	.35	.70
1 only	1521	8 in.	.35	.35
1 only	17	8 in.	.35	.35
1 only	18	10 in.	.50	.50
1 only	0254	6 in.	.75	.75
1 only	254	8 in.	.60	.60
1 only	46	8 in.	.75	.75
1 only	264	6 in.	1.00	1.00
1 only	4½	8 in.	1.25	1.25
18				$8.75

ONE ASSORTMENT IN A CASE, W'T 30 LBS.

WEATHER STRIPS.

REVONOC METALLIC STITCHED.



REVONOC

Width, in.	½	⅝	¾
Avge. w't 100 ft. lbs.	3½	4¼	5
Per 100 ft.	$3.00	3.25	3.75
	ADJ	AGJ	BJJ

In the REVONOC *metallic weather strip the rubber is secured by teeth. Neat in appearance and not affected by weather. Made of zinc, corrugated and turned at both edges, making it very stiff and a fine quality of rubber. Used largely by railroads and recommended as the best produced.*

ONE HUNDRED FEET IN A PASTEBOARD BOX, SIZE 18x18 IN.

FLEXIBLE FELT.



Felt Casing Lined with Air-Proof Paper and Cotton Cushion. Victor.

No. 15—½ in., for window and doors where small openings are to be covered, w't per 100 ft. 1¼ lbs., per 100 ft. .....**ADE** $2.00

Nail through web binding to outside casing, with window sliding against the felt.

100 FT. ON A REEL; 2 REELS IN A BOX.

No. 16—⅝ in., for tops and sides of doors, w't per 100 ft. 1½ lbs., per 100 ft. .....**BAE** $3.00

Best all-round strip for general use. Nail through web binding with felt edge against the door, tack every 4 inches.

75 FT. ON A REEL; 2 REELS IN A BOX.

No. 17—¾ in., for bottom of doors inside, wt' per 100 ft. 2 lbs., per 100 ft. .....**BIJ** $4.00

50 FT. ON A REEL; 2 REELS IN A BOX.

FLEXIBLE RUBBER.



No. 9—½ in., for lower sash of window, w't per 100 ft. 2½ lbs., per 100 ft. .....**AHJ** $6.00

No. 10—¾ in., for side and top of doors, w't per 100 ft. 3½ lbs., per 100 ft. .....**BDJ** $8.00

No. 11—1 in., for bottom of doors, w't per 100 ft. 4½ lbs., per 100 ft. .....**JCJJ** $10.00

FIFTY FEET IN A PACKAGE.

WOOD AND FELT.



No. 60. No. 61.

Walnut Stained Wood, Black Felt Cushion.

No. 60—⅝ in., for upper sash of window, w't per 100 ft., 3¼ lbs., per 100 ft. .....**AEJ** $5.00

No. 61—⅞ in., for sides of windows, and doors, w't per 100 ft. 5 lbs., per 100 ft. .....**AEJ** $5.00

ONE THOUSAND FEET IN A BUNDLE.

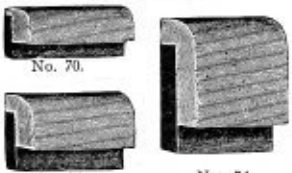


Walnut Stained Wood, Black Felt Cushion.

No. 64—1⅝ in., for bottom of doorr w't per 100 ft. 10 lbs., per 100 ft. .....**JCJJ** $10.00

500 FEET IN A BUNDLE.
IN STRIPS OF TWELVE FEET.

CLINCHER.



No. 70.

No. 71. No. 74.

Felt, Extra Heavy, is Glued to Bottom of Moulding and the Nail Used to Apply the Strip Passes Through Both Moulding and Felt. This Feature Assures Complete Satisfaction and Makes the Strip Easy to Apply. Makes Doors and Windows Dust, Cold and Wind Proof.

No. 70—⅝ in., for upper sash of windows, w't per 100 ft. 3½ lbs., per 100 ft. .....**AHJ** $5.00

No. 71—⅞ in., for lower sash of windows, w't per 100 ft. 5 lbs., per 100 ft. .....**AHJ** $5.00

No. 74—1⅝ in., for bottom of doors, w't per 100 ft. 8 lbs., per 100 ft. .....**JCFJ** $10.00

IN 12 FOOT STRIPS.

DOOR BOTTOMS.



Wood, Walnut Stained, Flexible Rubber Cushion.

No. 1—2 ft. 8 in. long, w't per doz. 9 lbs., per dozen .....**CCJ** $6.00

No. 2—3 ft. long, w't per doz. 9½ lbs., per dozen .....**CCJ** $6.00

These door bottoms may be easily shortened and adjusted to any door.

SIX DOZEN IN A BUNDLE.

ASCO.



Fig 1. At Meeting Rail on Windows. Fig. 2. At Sill on Doors.



Fig. 3. Windows. Fig. 5. Doors.

ASCO, Best Quality Spring Brass or Steel, Fine Grade Wool and Hair Felt Not Affected by Water or Grease, Dust, Rain and Wind Proof, 36 and 42 Inch Lengths, With Holes Punched at Proper Intervals for the Tacks With Which It Is Applied.

Steel—Rust Proof.

No. 20—36 in., for windows, w't per 100 ft. 3½ lbs., per 100 ft. **ADJ** $4.50

No. 25—42 in., for windows, w't per 100 ft. 3¼ lbs., per 100 ft. **ADJ** $4.50

No. 30—36 in., for doors, w't per 100 ft. 5¾ lbs. .....per 100 ft. **AHJ** $6.00

No. 35—42 in., for doors, w't per 100 ft. 5¼ lbs. .....per 100 ft. **AHJ** $6.00

Brass.

No. 40—36 in., for windows, w't per 100 ft. 3½ lbs., per 100 ft. **BFJ** $7.00

No. 45—42 in., for windows, w't per 100 ft. 3¾ lbs., per 100 ft. **BFJ** $7.00

No. 50—36 in., for doors, w't per 100 ft. 6½ lbs. .....per 100 ft. **JCCJ** $10.00

No. 55—42 in., for doors, w't per 100 ft. 6½ lbs. .....per 100 ft. **JCCJ** $10.00

Can be applied to inside or outside of windows and to large or small openings. Durable, inexpensive and easily applied.

ABOUT 100 FT. IN STRAWBOARD TUBES.

WOOD AND RUBBER.



No. 0. No. 1.

Walnut Stained Wood, Black Rubber Cushion.

No. 0—⅝ in., for upper sash of window, w't per 100 ft. 3 lbs., per 100 ft. .....**AAJ** $5.00

No. 1—⅞ in., for lower sash of window, w't per 100 ft. 3¼ lbs., per 100 ft. .....**AAJ** $5.00

ONE THOUSAND FEET IN A BUNDLE.



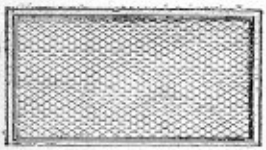
Walnut Stained Wood, Black Rubber Cushion.

No. 4—1⅝ in., for bottom of light doors, w't per 100 ft. 9 lbs., per 100 ft. .....**JBAJ** $10.00

500 FEET IN A BUNDLE.
IN STRIPS OF TWELVE FEET.

DOOR MATS AND FOOT SCRAPERS.

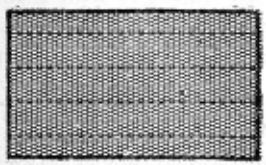
DOOR MATS.



No. 1830—17x31 in., rubber, solid bottom and edge, diamond ribbed center, w't per doz. 66 lbs., per doz. **AJHJ** $36.00

This is one of the best patterns of rubber door mats. The solid edge insures long life, the ribs, being wider at the bottom and tapering at the top, give strength, prevent their breaking away, and the bevel aids in removing the dirt.

ONE DOZEN IN A CASE.



Galvanized Steel Wire, Rigid Frame.

Nos.	22	23	24
Size, in.	16x24	18x30	22x36
W't, lbs.	5	7	10
Per dozen	$18.00	24.00	36.00
	JGBJ	JIFJ	ADDJ

ONE-HALF DOZEN IN A PACKAGE.



Showing Flexibility.

Cold Rolled Steel, Galvanized, Flexible.

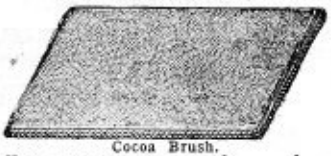
Nos.	32	33
Size, in.	16x24	18x30
W't, lbs.	5	7
Per dozen	$21.00	30.00
	JIFJ	ACCJ
Nos.	**34**	**35**
Size, in.	22x36	26x48
W't, lbs.	10	15½
Per dozen	$39.00	66.00
	AIBJ	CJJJ

Dimension Mats, any size to order, per square foot★ ..... **CF** $0.65

Rolls up like cloth, flexible both ways, fits uneven floors, will not kink nor curl on the corners, will not rust, made of short pieces, no long rods to bend or break, will not cut linoleum, will not mark marble steps, cleans in rolling up, saves floors, carpets and labor, never slippery, noiseless to walk over, neatly trimmed, gives a mosaic effect.

LOOSE.

DOOR MATS.



Cocoa Brush.

Nos.	2	3
Size, in.	16x27	18x30
W't, lbs.	5	6
Per dozen	$16.00	20.00
	JIFJ	ABJJ
Nos.	**4**	**5**
Size, in.	20x33	22x36
W't, lbs.	7	8
Per dozen	$24.00	30.00
	AEJJ	AIBJ

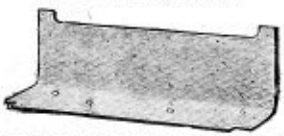
ONE DOZEN IN A PACKAGE.

FOOT SCRAPERS.



No. 14—Japanned iron, width 7 in., height 2 in., w't per doz. 7½ lbs., per dozen ..... **JFJ** $1.00

ONE DOZEN IN A PACKAGE.



No. 104—Japanned steel, width 6 in., height 2 in., w't per doz. 4½ lbs., per dozen ..... **CE** $0.90

Made to supply the demand for inexpensive foot scraper, which at the same time will not bend or break, as will cast iron.

LOOSE.



No. 101—Japanned Bessemer steel, width 6 in., height 3 in., w't per doz. 6 lbs. .....per dozen **AJJ** $2.50

ONE DOZEN IN A BOX, WITH SCREWS.



No. 4—Japanned iron, width 6 in., height 4½ in., w't per doz. 11 lbs., per dozen ..... **JHJ** $1.50

ONE-HALF DOZEN IN A PACKAGE.

FOOT SCRAPERS.



No. 10—Grab's Automatic, has ten parallel plates made of sheet metal and rigidly kept in place, handsomely enameled, mud drops within space, and will not stick or clog, brushes are of best stiff bristles firmly clamped in place and can be replaced when desired, w't per doz. 35 lbs.,
per dozen ..... **JGBJ** $14.50

ONE DOZEN IN A BOX.



No. 210—Strong japanned steel, holes in scraper allow for binding of concrete while setting, w't per doz. 12 lbs. .....per dozen **ACJ** $2.20

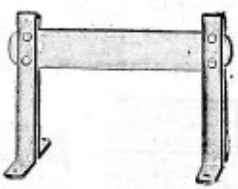
For concrete walks and steps.

ONE DOZEN IN A BOX; SIX DOZEN IN A CRATE.



No. 2—Japanned iron, width 5¾ in., height 2½ in., w't per doz. 6 lbs., per dozen .....**DE** $0.70

ONE DOZEN IN A PACKAGE.



No. 211—Heavy steel construction, 8½ in. long x 5½ in. high, scraper of ⅞x1½ in. stock, uprights of ⅞x¾ in. stock, nicely finished in black enamel, w't per doz. 18 lbs.,
per dozen .....**CIJ** $6.50

ONE DOZEN IN A BOX; SIX DOZEN IN A CRATE.

★FACTORY SHIPMENT ONLY.

ICE CREEPERS.

ICE CREEPERS.



No. 4—Never in the Way, wrought steel, blued steel spring, folding, per dozen pairs .....**AEJ** $2.75

ONE DOZEN PAIRS IN A BOX. W'T 2¼ LBS. NAILS INCLUDED.



In use.



When not in use.

No. 10—Reliance, hardened steel, easily and quickly attached, w't per doz. prs. 20 oz., per doz. pairs **BBJ** $3.50

Can be easily turned under instep when not in use, will fit any shoe and can be used on either high or low heel.

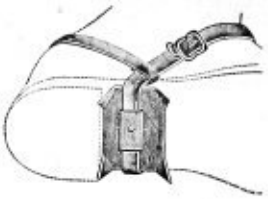
ONE PAIR IN A CARTON; ONE DOZEN ON AN EASEL DISPLAY CARD. WE DO NOT BREAK PACKAGES.



No. 3—Safety, japanned, adjustable, folding, ..per dozen pairs **BBJ** $3.00

ONE DOZEN PAIRS IN A BOX. W'T 2½ LBS.

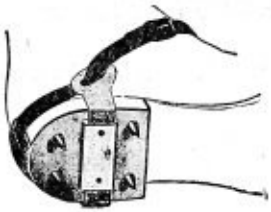
ICE CREEPERS.



No. 60—Climax, instep, heavy steel, back strap holds creeper firmly against heel and prevents slipping forward or sideways, w't per doz. prs. 3 lbs. ....per dozen pairs **AHJ** $3.00

Can be worn over boot, shoe or rubber.

ONE DOZEN PAIRS IN A BOX.



No. 8—Newark, steel plate and points, for either shoe or rubber, adjustable to fit heels from 2¼ to 3¼ in. wide, per dozen pairs .....**CDJ** $3.75

ONE DOZEN PAIRS IN A BOX. W'T 6½ LBS.

ICE CREEPERS.



No. 9—Never Slip, stamped steel, inserted steel calks, assorted sizes, small, medium and large, with clinched nails, per dozen pairs **BDJ** $4.00

ONE DOZEN PAIRS IN A CARTON.

W'T 2¾ LBS.



No. 5—OK, stamped steel, inserted steel calks, applied as a pair of lever skates, assorted sizes, small, medium and large, can be adjusted to several size heels, per dozen pairs **BDJ** $6.00

PACKED ASS'T, SMALL, MEDIUM AND LARGE,

ONE DOZEN PAIRS IN A BOX. W'T 2¾ LBS.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

COASTERS AND SLEDS.

WOOD COASTERS.



Nos. 5 to 12.

No. 5—36x11 in., top neatly ornamented with animals and scrolls, flat shoes, 4 hand holes, w't per doz. 60 lbs., per dozen .....**CHJ** $6.00

No. 10—36x11 in., hardwood, varnished, top painted and decorated, 4 hand holes, round spring shoes, w't per doz. 55 lbs. .....per dozen **JFJJ** $10.00

No. 12—42x12 in., otherwise same as No. 10, w't per doz. 90 lbs., per dozen .....**JHGJ** $13.50

ONE-HALF DOZEN IN A CRATE.

STEEL SLEDS.



No .300.

Round Back Angle Steel Runners, Japanned Braced Steel Frame, Wood Top, Hand Decorated.

No. 100—30x12x7½ in., 2 knees, w't per doz. 90 lbs. ....per dozen **AJDE** $17.00

No. 200—33x12x7½ in., 2 knees, w't per doz. 102 lbs...per dozen **ABCJ** $20.00

No. 300—36x12x7½ in., 3 knees, w't per doz. 114 lbs. ..per dozen **ADGE** $24.00

ONE-SIXTH DOZEN IN A BUNDLE.

STEEL COASTERS.



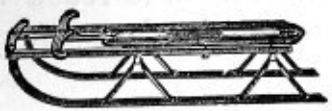
No. 132.

Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, So Curved in Front as to Give Maximum Length of Steering Surface, Gear and Runners Finished in Red Enamel, Tops of Rock Elm, Beautifully Painted and Decorated.

No. 130—33x11x6 in., w't per doz. 90 lbs., per dozen .....**JIFJ** $18.00

No. 131—36x12x6 in., w't per doz. 102 lbs., per dozen .....**ABJJ** $22.00

No. 132—40x13x6¼ in., w't per doz. 114 lbs. .....per dozen **ACHJ** $26.00



Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, Tops of Rock Elm, Handsomely Finished.

No. 133—45x14x8½ in., w't per doz. 162 lbs. .....per dozen **AHJJ** $32.00

ONE-SIXTH DOZEN IN A BUNDLE.

WOOD SLEDS.



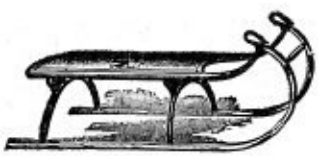
No. 86—33x12 in., 2 knees, gear finished on the wood, top painted, decorated and striped, flat shoes, w't per doz. 32 lbs. .....per dozen **CIJ** $6.00

The knees are securely framed, glued and mortised into runners at two angles with square tenons.

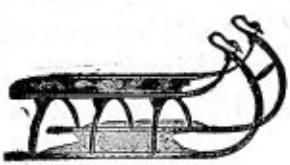


No. 87—36x12 in., 3 knees, top painted various colors with decorations and striping, flat shoes, w't per doz. 52 lbs. .....per dozen **EAJ** $9.00

The knees are mortised into runners, with square tenons set at two angles. No other sleds possess these features.



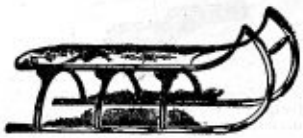
No. 103—33x12 in., 2 bent knees, top finely decorated, flat shoes, w't per doz. 55 lbs. ..per dozen **JFDJ** $10.00



No. 110—36x12 in., 3 bent knees, braced with 6 tinned braces extending from runner to cross beam, top painted in bright colors, nicely decorated and striped, gear finely finished on the wood, flat shoes, goose necks, w't per doz. 97 lbs. ..per dozen **JIAJ** $14.00

ONE-HALF DOZEN IN A CRATE.

WOOD SLEDS.



No. 106—36x12 in., 3 bent knees, braced with 6 braces, finished on the wood, top nicely painted and decorated, oval shoes, w't per doz. 67 lbs., per dozen .....**JHGJ** $13.50

ONE-HALF DOZEN IN A CRATE, WITH TWO OR MORE STYLES OF DECORATIONS.

TORPEDO RACER.



Stamped Steel Knees, Best Crucible Spring Steel "T" Shaped Runners, Tops of Rock Elm, Handsomely Finished.

No. 136—56x13x6½ in., w't per doz. 168 lbs. .....per dozen **BEBJ** $44.00

Long, low, narrow, racy lines, built for speed.

ONE-SIXTH DOZEN IN A BUNDLE.

BABY GUARDS.



No. 520—18x14½x7 in., hardwood varnished, w't per doz. 25 lbs., per dozen .....**EAJ** $8.00

Supplies the demand for a light, strong and cheap guard for children too small to sit on a sled unsupported. The left cut illustrates the guard and the right cut shows its appearance when fastened on the sled.

ONE DOZEN IN A NEST.

CHILDREN'S CUTTERS, REVONOC WAGONS, ETC.

CHILDREN'S CUTTERS.



No. 580

No. 575—42x18 in., second growth hardwood, 3 bent knees, 6 tinned knee braces, oval shoes, nicely painted, decorated and striped, seat only upholstered, w't 35 lbs., per dozen .....DDDJ $72.00

No. 580—42x18 in., seat and back upholstered, w't 39 lbs., otherwise same as No. 575 ....per dozen EIAJ $96.00

ONE IN A CRATE.

CHILDREN'S SLED BOXES.



With Push Handles.

No. 501—29x15 in., painted red and dark colors, nicely striped and ornamented, not upholstered, heavy corner posts and a thick back, w't per doz. 90 lbs. .....per dozen JIHE $16.00

BOYS' GARDEN BARROWS.



No. 157—Steel sides, wood bottom, painted red, yellow stripes, 14 in. tinned wheel, 40 in. handles, steel legs, w't per doz. 120 lbs., per dozen .....JIJJ $15.00

ONE-SIXTH DOZEN IN A CRATE. WE DO NOT BREAK CRATES.

ICE WAGON WHEELS AND AXLES.



Wheels.

12 In.—Japanned steel, w't per doz. 33 lbs. .....per dozen JGBJ $12.00

Axles.

18 In.—Japanned steel, w't per doz. 18 lbs. .....per dozen CJJ $5.00

REVONOC BALL BEARING COASTER WAGONS.



Body of Well Seasoned Hardwood, Removable Box, Wheels Extra Heavy with Iron Hubs, Rims of Bent Rock Elm, Tires of Wrought Steel, Welded and Shrunk On, Gear of Selected Stock Securely Braced to Body, Heavy Wrought Iron Used in its Construction, Body and Gear Varnished on the Natural Wood, Decorated in Red and Black, Wheels Red, Fitted with Serviceable Brakes.

Nos. REVONOC..	90	91	92
Size body, in.	14x32	16x36	18x40
Wheels, in....	10	10	10
Shipping w't lbs.	432	480	552
Per dozen....	$64.00	80.00	96.00

The special iron hubs keep the spokes solid, prevent split or checked hubs and eliminate trouble from shrinking of felloes and loose tires.

ONE IN A CRATE.

Bright and attractive labels help the sale of goods--Every OVD item bears a neat and artistic label.

REVONOC FARM WAGONS.



No. 18 REVONOC—Wagon, equipped with side boards and dash, size 32x15 in. body, 12 and 18 in. wheels, w't 500 lbs. .....per dozen DFHJ $78.00

This wagon has removable side boards and dash and while of light construction, the new reach from front to rear axles renders the gear very strong and substantial.

PACKED ONE IN A CRATE.



For Illustrations See Color Page Opposite.

No. 20 REVONOC—Farm Wagon, 36x18 in., wheels 15 and 21 in. diam., w't 720 lbs. ....per dozen JHAFJ $136.00

Has removable sides and ends, leaving the flat wagon bed for large loads. Can be stored in a small space and quickly put together. A very strong, durable wagon, built for heavy service, all parts bolted, not nailed. Attention is called to the exceptionally beautiful red and gold finish of this model. Tires are welded and spokes carefully shaved,

EXPRESS, FARM AND COASTER WAGONS.

REVONOC JUVENILE.



Iron Hub Wheels.

Nos.	70	71
Body, in.	12x24	13x26
Wheels, in.	8 and 12	9 and 13
W't doz., crated, lbs.	264	282
Per dozen	$30.00	34.00
	AFHJ	AIBJ
Nos.	72	73
Body, in.	14x28	15x30
Wheels, in.	11and14	12and15
W't, doz., crated, lbs.	300	336
Per dozen	$39.00	44.00
	BBBJ	BEBJ

Extra Wheels, all sizes, per dozen ..... CFJ $6.00

Extra Handles, per dozen ADE 2.50

The REVONOC Juvenile wagon is made for hard service. The solid and substantial wood wheels add much to the appearance and effect. The sides are made of 24 gauge steel, firmly secured to the bottom. The body is ornamented with gold stripes and the inside is painted green, outside body, wheels and handle painted bright vermilion.

ONE-SIXTH DOZEN IN A CRATE; WE DO NOT BREAK CRATES.

CRUSO EXPRESS.



No. 80—Body 12x24 in., wheels 8x12 in., w't per doz. 216 lbs., per dozen ..... AEJJ $25.00

No. 81—Body 13x26 in., wheels 10x13 in., w't per doz. 228 lbs., per dozen ..... AGDJ $29.00

No. 82—Body 14x28 in., wheels 11x14 in., w't per doz. 246 lbs., per dozen ..... AIBJ $32.00

No. 83—Body 15x30 in., wheels 12x15 in., w't per doz. 261 lbs., per dozen ..... BAJJ $35.00

No. 84—Body 16x32 in., wheels 13x16 in., w't per doz. 300 lbs., per dozen ..... BDJJ $40.00

Wheels have extra heavy spokes and rims, finished in black, nickel hub caps, heavy wrought gear with extra brace on rear axle, gear finished in black coke enamel, axles of 7-16 in. round steel, bent tongue, with loop grips, painted red, four cleats across bottom, bodies finished in red, with stencil in gold.

NO. 84, PACKED ONE; BALANCE, TWO IN A CARTON. WE DO NOT BREAK PACKAGES.

STEEL EXPRESS WAGONS.



Steel Body and Wheels.

No. 04—Body 9x18x3 in., wheels 6 and 9 in., w't per doz. 68 lbs., per dozen ..... JFGJ $18.00

No. 03—Body 10x20x3½ in., wheels 7 and 10 in., w't per doz. 80 lbs., per dozen ..... JGGJ $21.00

No. 02—Body 11x22x4 in., wheels 8 and 11 in., w't per doz. 92 lbs., per dozen ..... JHGJ $24.00

No. 0—Body 12x24x4½ in., wheels 8 and 12 in., w't per doz. 140 lbs., per dozen ..... AJHJ $30.00

No. 1—Body 13x26x5 in., wheels, 10 and 13 in., w't per doz. 168 lbs., per dozen ..... ABCJ $34.00

No. 2—Body 14x28x5½ in., wheels 11 and 14 in., w't per doz. 192 lbs., per dozen ..... ACHJ $38.00

No. 3—Body 15x30x6 in., wheels 12 and 15 in., w't per doz. 212 lbs., per dozen ..... AECJ $42.00

The body is painted bright vermilion neatly striped and varnished, with the exception of the bottom board it is made of best quality sheet steel; rounded corners, top bent over a wrought iron rod, making it very firm. Black enameled wheels, steel gear.

ONE-SIXTH DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

FARM WAGONS.



Seasoned Hardwood Frame and Wheels.

No. 355—Body 18x36x7 in., bent hounds, adjustable reach, all parts strongly ironed and braced, 14 and 20 in. wheels, shaved spokes, heavy welded tires, plated wrought iron hub boxes and hub caps, ⅞ in. round steel axles, complete with seat, tongue and a pair of hardwood shafts for dog or goat, w't per doz. 660 lbs., per dozen ..... JFCCE $150.00

This resembles a farm wagon in every respect. The sides and ends can be taken off, leaving bed with stakes.

ONE IN A CRATE.

COASTER WAGONS.



No. 32—Body 13x28x3 in., wheels 8 in., stationary box, ⅞ in. axle, w't per doz. 245 lbs...per dozen BBHJ $40.00

No. 33—Body 14x32x4 in., wheels 10 in., w't per doz. 390 lbs., per dozen ..... CCJJ $52.00

No. 34—Body 16x36x4 in., wheels 10 in., w't per doz. 420 lbs., per dozen ..... DJBJ $64.00

No. 35—Body 18x40x4 in., wheels 10 in., w't per doz. 450 lbs., per dozen ..... DGDJ $76.00

The body is constructed of well seasoned hardwood. Removable box. The metal bearing wheels are extra heavy with shaved spokes. Rims are of ¾x1½ in. bent rock elm. Tires of ¾x⅛ in. wrought steel, welded and shrunk on strong malleable iron hub caps and bands. Gears are of number one selected stock, securely braced to body with 7-32x¾ in. round edge iron, 9-16 in. round steel axles. Steering gear is of heavy extra malleable iron and hardwood.

COASTER WAGON RUNNERS.



No. 50—All steel round back angle runners, nicely finished in red, will fit Nos. 111, 112 and 113 coaster wagons, in sets of four, w't per doz. sets 78 lbs., per doz. sets AEJJ $24.00

Constructed to fit all sizes of coaster wagons.



850





4 qt.



71



30


65

Washers, Pages 735 to 741. Churns, Pages 719 and 720. Freezers, Pages 937 and 938. Wagons, Page 691. Wash Machines, Pages 732 to 734. Refrigerators Pages 702 A to 708.

SULKIES.

SEMI-COLLAPSIBLE.





Frame—Finest quality cold rolled steel, finished in black enamel, with rear bumper wheels, easy riding springs.

Seat and Back—Three-ply veneer boards heavily padded and covered with leatherette, seat 10x11¼ in., two position reclining back 13 in. high.

Handle—Oak, with steel hand loop.

Wheels—10 in., enameled, with ⅜ in. rubber tires, folds into space 10x18x29 in.

No. 146—Semi-collapsible, shipping w't per dozen. 312 lbs.,
per dozen .....**BHHJ** $48.00



No. 148—With three-bow, 20 in. spread, otherwise same as No. 146, shipping w't per doz. 348 lbs.,
per dozen .....**CHDJ** $64.00

ONE IN A CARTON.

FULL COLLAPSIBLE.





Frame—⅝ in. steel tubing, finished in black enamel, fitted with rear bumper wheels, long leaf, suspension springs.

Seat and Back—Three-ply veneer boards heavily padded with leatherette, seat 10x11¼ in., two-position back 13 in. high, side curtains.

Handle—Oak, with steel hand loop.

Wheels—10 in., enameled, with ½ in. rubber tires, nickel plated hub caps, folds into space 16x18½x19 in.

No. 154—Full collapsible, shipping w't per doz. 384 lbs.,
per dozen .....**DDHJ** $74.00



No. 156—With three-bow hood, 22 in. spread, shipping w't per doz. 420 lbs.,
per dozen .....**DEJJ** $88.00

ONE IN A CARTON.

FULL COLLAPSIBLE.



Frame—⅝ in. steel tubing, finished in black enamel, fitted with rear bumper wheels, long leaf suspension springs.

Seat—Heavily padded.

Sides and Back—Fine quality reed, back adjustable to three positions, handle and back fold with frame.

Handle—Oak, with steel hand loop.

Wheels—10 in. enameled, with ½ in. rubber tires, nickel plated hub caps.

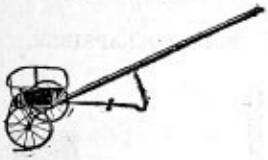
No. 145—Reed, full collapsible, shipping w't per doz. 384 lbs.,
per dozen .....**JGDDJ** $120.00



No. 147—With three-bow hood, 22 in. spread, otherwise same as No. 145, shipping w't per doz. 420 lbs., per dozen .....**JHDJJ** $136.00

ONE IN A CARTON.

SULKIES.



No. 362—Never Tip, 10-in. tinned wheels with ⅜ in. rubber tires, steel axle, 14x11 in. hardwood seat, painted green with yellow stripe, steel seat guard, 4½ ft. hardwood handle, painted red with yellow stripe, steel parts japanned black, w't per doz. 120 lbs., per dozen .....**AJHJ** $27.00



No. 367—Back and seat upholstered in leatherette, seat 11x14 in., handle 4 ft. 6 in., 10-in. steel wheels, ½-in. rubber tires, ¾-in. round steel axle, reversible back, w't per doz. 120 lbs., per dozen .....**AGDJ** $30.00



No. 12—Seat 10½x14 in., red, pole 44 in. long, bright red, with black grip, wheels 10 in., 16 spokes, ⅜-in. rubber tires, running gear glossy black, reversing back so that child can ride either forward or backward, back and arm rests black enameled, gold striped fenders, w't per doz. 140 lbs., per dozen .....**AGDJ** $27.00

TWO IN A CRATE. WE DO NOT BREAK CRATES.

AUTOMOBILE WAGONS.

Hardwood and Sheet Steel Bodies, Ratchet Starting Crank, Wheels and Running Gear Finished in Baked Black Enamel, Rubber Tires.



No. 370—14x30 in., painted red and green, striped and stencilled, wheels 10 and 14 in., ⅜ in. tires, w't per doz. 420 lbs., per dozen .....**DDDJ** $74.00



No. 371—15x36 in., finished red, green, blue or gray, striped and stencilled in gold, wheels 10 and 16 in., ½ in. tires, adjustable seat, w't per doz. 576 lbs., per dozen .....**JFBDJ** $104.00



No. 382—15½x37 in., finished in blue, green and yellow with gold stencil and striping, 10 and 16 in. wheels, ½ in. tires, seat upholstered in leatherette, w't per doz. 600 lbs., per dozen .....**JHFDJ** $144.00

Lamps and horns furnished at additional price.

HAND CARS.



No. 501—Black enameled steel frame and wheels, ½ in. rubber tires, grips black enameled with brass ferrules, wheels 8 and 10 in., seat 7x12 in., length over all 28½ in., w't per doz. 360 lbs., per doz. .....**CBDJ** $54.00

No. 502—8 and 12 in. wheels, seat 9x16 in., length over all 36 in., otherwise same as No. 501, w't per doz. 420 lbs., per dozen .....**CIFJ** $66.00

ALL ABOVE, ONE IN A CRATE.

BABY WALKERS.



No. 20—Combined baby walker and tender, top rim, tray and saddle are of wood, light cherry finish, standards and lower rim are of steel, enameled in dark cherry color, saddle is suspended by adjustable leather straps, height 15 in., diameter of top rim 12½ in., diameter of lower rim 26 in., w't per doz. 26 lbs., per dozen .....**AHJJ** $30.00

BABY JUMPERS.



No. 1—Combination baby jumper and rocking chair, select quarter-sawed oak, light oak finish, black enameled spiral springs and castings, can be instantly adjusted to any position from reclining to upright, w't per doz. crated 372 lbs., per doz. **EDDJ** $85.00

BABY YARDS.



No. 2-B—Mission finished quartered oak, 35x46x20 in. high, green denim bottom or floor covering, folds flat, w't per doz. 324 lbs., per dozen .....**DCBJ** $72.00

ONE IN A CRATE.

HIBBARD REVONOC COLLAPSIBLE GO-CARTS.



Frame—Flat steel.
Pushers—Curved, tubular, with five piece handle, nickel plated side grips and center ferrules.
Body—15 in. wide by 35 in. long, shock absorbing springs, extra sensitive, running entire length of cart. Sides, back and seat three-ply veneer, covered with patent leather, gold striped set in heavy steel channel borders, nickel plated.
Hood—Automobile style, new black cravenette cloth, waterproof and will not crack, nickel plated tubular fixtures.
Wheels—Tinned, 12 in., 16 spokes, ½ in. rubber tires. Brake. Black mud guards, gold striped.
Finish—Enameled black, upholstery to match.
Weight—50 lbs., packed one in a crate.
No. 365-BL REVONOC—Black finish, each ..... AAIJ $19.80



Gearing—Patent direct bracing, strongest and lightest construction in use.
Pusher—Tubular, curved with five-piece handle, nickel plated side grips and center ferrules.
Body—15 in. wide by 35 in. long, shock absorbing springs running entire length of cart. Padded seat and back, three-positioned back, sides, back and seat three-ply veneer, covered with patent leather, gold striped, set in heavy channel steel nickel plated borders.
Hood—New Victoria style with nickel plated tubing fixtures, side and back curtains.
Wheels—Tinned rims, 12 in., 16 spokes, ½ in. rubber tires and wheel brake, mud guards.
Finish—Black enamel, with hood to match.
Weight—50 lbs., packed one in a crate.
No. 366-BL REVONOC—Black finish, each ..... ACBJ $22.00



Frame—Flat steel.
Pushers—Curved, tubular, with one-piece handle.
Body—13½ in. wide by 32 in. long, special new spring construction, three positioned padded seat and back, reed sides and dash, dash and seat set in channel borders.
Hood—Auto hood with side and back curtains.
Wheels—Enamel rims, 10 in., 14 spokes, with ½ in. rubber tires. Brake and nickel plated hub caps.
Finish—Enameled black, with black upholstering, natural reed sides.
Weight—50 lbs., packed one in a crate.
No. 367-BL REVONOC—Black finish, each ..... JIJJ $15.00



Frame—Flat steel.
Pushers—Curved, tubular, with one-piece handle.
Body—15 in. wide by 35 in. long, extra sensitive spring construction running entire length of cart. Three-positioned back. Sides, back and dash three-ply veneer, covered with patent leather, gold striped and set in heavy steel channel borders.
Hood—Four-bow, new black cravenette cloth, water proof. Nickel plated fixtures.
Wheels—Tinned, 12 in., 14 spokes, ½ in. rubber tires. Wheel brake and nickel plated hub caps.
Finish—Enameled black, upholstered to match.
Weight—50 lbs., packed one in a crate.
No. 364-BL REVONOC—Black finish, each ..... JHHJ $14.70



Frame—Flat steel.
Pushers—Curved, tubular, with one-piece handle.
Body—13½ in. wide by 32 in. long. Special new spring construction, three-positioned back, Sides, back and dash three-ply veneer.
Hood—Auto hood with side and back curtains.
Finish—Enameled black with gold stripes. Upholstered to match.
Wheels—Enameled black, 10 in., ½ in. rubber tires. Brake.
Weight—50 lbs., packed one in a crate.
No. 363-BL REVONOC—Black finish, each ..... JGHJ $13.00



Frame—Flat steel.
Pushers—Curved, tubular, with one-piece handle.
Body—13½ in. wide x 32 in. long. Special new spring construction, three-positioned back. Sides, back and dash three-ply veneer.
Hood—Four-bow with plated fixtures.
Finish—Enameled black with gold stripes. Upholstered to match.
Wheels—Enameled black, 10 in., 14 spokes, ½ in. rubber tires. Black mud guards. Wheel brake.
Weight—50 lbs., one in a crate.
No. 362-BL REVONOC—Black finish, each ..... JGBJ $12.00

REVONOC COLLAPSIBLE GO-CARTS.



Frame—Flat steel.

Pushers—Curved flat steel, fancy turned wood cross handle.

Body—13½ in. by 32 in. long. Special new spring construction, three-position back. Sides, back and dash three-ply veneer.

Hood—Three-bow with plated fixtures.

Finish—Enameled black with gold stripes. Upholstered to match.

Wheels—Enameled black, 10 in., ½ in. rubber tires. Brake.

Weight—90 lbs., packed two in a crate.

No. 361-BL REVONOC—Black finish, each ..... JFEJ $10.80



Gearing—Patent ball and socket bracing, strongest and lightest construction in use.

Pusher—Curved, tubular, with five-piece handle, nickel plated side grips and center ferrules.

Body—15 in. wide by 38 in. long. New shock absorbing springs running full length of seat, four-positioned padded seat and padded back. Nickel plated tubular arm rest and auto dash.

Hood—Four-bow with nickel plated fixtures.

Wheels—Tinned, 10 in., 14 spokes, ½ in. rubber tires. Black mud guards, gold striped.

Finish—Enameled black upholstered in new black storm cloth.

Weight—50 lbs., packed one in a crate.

No. 360-BL REVONOC—Black finish, each ..... JIJJ $15.00



Gearing—Patent ball and socket direct bracing, strongest and lightest construction in use.

Pusher—Tubular, with five-piece handle, nickel plated side grips and center ferrules.

Body—15 in. wide by 38 in. long. Shock absorbing springs running entire length of seat. Three-positioned back. Tubular arm rest.

Hood—Auto hood with nickel plated fixtures. Side and back curtains.

Wheels—Tinned, 10 in., 14 spokes, ½ in. rubber tires. Wheel brake. Black mud guards, gold striped.

Finish—Enameled black, upholstered in new black cravenette cloth, water proof.

Weight—45 lbs., packed one in a crate.

No. 357-BL REVONOC—Black finish, eah ..... JIJJ $15.00



Gearing—Patent direct bracing, strongest and lightest construction in use.

Pusher—Tubular, curved with five-piece handle, nickel plated side grips and center ferrules.

Body—15 in. wide by 38 in. long. Shock absorbing springs running entire length of seat. Three-positioned back. Tubular arm rest.

Hood—Four-bow with nickel fixtures.

Wheels—Tinned, 10 in., 14 spokes, ½ in. rubber tires. Black mud guards, gold striped. Wheel brake.

Finish—Enameled black, upholstered in new black cravenette cloth, water proof.

Weight—45 lbs., packed one in a crate.

No. 355-BL REVONOC—Black finish, each ..... JGBJ $12.00



Gearing—Patent direct bracing, strongest and lightest construction in use.

Pusher—Curved, tubular, with one-piece handle.

Body—14 in. wide by 34 in. long. Shock absorbing spring, running entire length of seat. Auto dash with plated fixtures.

Hood—Four-bow—leatherette—with plated fixtures.

Wheels—Enameled black, 10 in., 14 spokes, ½ in. rubber tires. Black mud guards. Wheel brake.

Finish—Enameled black with leatherette upholstering to match.

Weight—70 lbs., packed two in a crate.

No. 354-BL REVONOC Black finish, each ..... JFFJ $11.00



Gearing—Patent direct bracing, strongest and lightest construction in use.

Pusher—Curved, tubular, with one-piece handle.

Body—14 in. wide by 34 in. long. Shock absorbing spring running entire length of seat.

Hood—Four-bow, plated fixtures.

Wheels—Enameled, 10 in., 14 spokes, ½ in. rubber tires. Wheel brake. Black mud guards, nicked plated hub caps.

Finish—Enameled black, upholstering to match.

Weight—70 lbs., packed two in a crate.

No. 353-BL REVONOC—Black finish, each ..... EIE $9.90

GO-CARTS, BABY CARRIAGES AND REPAIR TIRES.

REVONOC SEMI-COLLAPSIBLE GO-CART.



Frame—Flat steel.
Pusher—Curved flat steel, wood cross handle.
Body—14 in. wide by 34 in. long. Shock absorbing springs running entire length of seat.
Hood—Three-bow, plated fixtures.
Wheels—Enameled black, 10 in., 14 spokes, ⅝ in. rubber tires. Wheel brake and nickel plated hub caps.
Finish—Enameled black, upholstering to match.
Weight—90 lbs., packed three in a crate.
No. 352-BL REVONOC—Black finish, each ..... DEJ $7.50

REVONOC TWIN GO-CARTS.



Frame—All tubular of the REVONOC kind.
Gear—The REVONOC anti-wabble ball and socket, bracing straight from the wheels to the middle of the frame.
Upholstering—Good grade of leatherette with hood to match, finished in black only.
Finish—Black enamel, hard gloss.
Reclining Features—Each side is independent of the other. One side can be reclined, the other upright. Seat and back padded.
Pusher—Tubular steel, with wood cross handle.
Wheels—Tinned, 12 in., 16 spokes, ½ in. tires, with mud guard.
Hood—Large three bow, nickel spreader.
Folding—Close hood, release braces and close as with other carts. Dash hood closes automatically.
Weight—70 lbs., packed one in a crate.
No. 20A REVONOC—Finished in black upholstering, with hood to match, each★ ..... AEDJ $28.00

REVONOC SEMI-COLLAPSIBLE GO-CART.



Frame—Flat steel.
Pusher—Curved flat steel, wood cross handle.
Body—14½ in. wide by 36 in. long. Shock absorbing springs running entire length of seat.
Hood—Three-bow.
Wheels—Enameled, 10 in., 14 spokes, ⅝ in. rubber tires, nickel plated hub caps.
Finish—Enameled black, upholstering to match.
Weight—65 lbs., packed two in a crate.
No. 351-BL REVONOC—Black finish, each ..... CIJ $6.50
We do not break crates.

VENETIAN GONDOLAS.



Body—Fine round reed, 15 in. wide, 34 in. long, inside measurement.
Hood—Fine round reed, folds flush with body.
Finish—Antique oak and French gray enamel.
Upholstery—Corduroy. Seats and ends extra thick.
Sectional Cushions—Hoods have double lining.
Wheels—Front 12 in., back 16 in., ⅝ in. rubber tires.
Reversible Feature Cushions—Fit both ends of body, and hood adjusts to all positions, front and rear.
Weight—Approx. shipping w't 70 lbs.
No. 1450—French gray finish, each ..... BGFJ $46.00
No. 1450—Antique oak finish, each ..... BFDJ 44.00
★*FOR FACTORY SHIPMENT ONLY.*

CALCUTT'S QUICK REPAIR TIRES.

SECTIONAL VIEW OF CALCUTT'S QUICK REPAIR TIRE SHOWING COUPLING IN POSITION



Pat. Nov. 6, 1906 **Pat. June 23, 1914**
Pat. Apr. 6, 1909 **Pat. July 28, 1914**

Extra Quality Rubber, Oil Tempered Steel Coil Wire Moulded in Center of Tire, for Go-Carts and Baby Carriages.

Sizes—Inches	¾	⅞	1
Per box	$6.00	8.00	6.00
	CFJ	DHJ	CFJ

No machine needed for putting tires on wheels, not necessary to remove wheels, couples short pieces and avoids waste of material. Saves labor, no remnants.

DIRECTIONS FOR APPLYING.

To get correct length, simply measure tire in channel of wheel and cut tire about ¾ in. short per foot so tire will stretch over wheel under tension.

To join ends insert coupling with pliers in one end of tire, or put coupling in vice and push on tire, then hold end with coupling firmly in left hand and twist other end of tire towards you six complete revolutions (see cut), push together and screw from you by turning to the right, thus bringing tire back to natural position, then stretch over wheel by first placing coupled section of tire in channel of wheel between spokes and snap on from opposite side.

⅝ and ½ IN., 50 FT. WITH 24 COUPLINGS; ⅝ IN., 25 FT. WITH 12 COUPLINGS IN A BOX.

Calcutt's Quick Repair Tires for Go-Carts—The Best, Quickest and Most Practical Repair Tire Made.



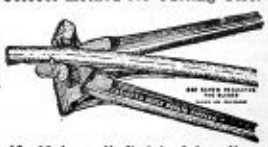
Showing end of tire with coupling held firmly in left hand after twisting other end of tier towards you six complete revolutions.

To uncouple tire, turn one end from you and pull apart gently.

Remember—The tire is not screwed on to the coupling pin but pushed on with a twisting motion. In coupling or uncoupling tire **always turn to the right.**

CALCUTT'S QUICK REPAIR NIPPERS.

Correct method for Cutting Tire.



No. 13—12 in., oil finished handles, 1⅛ in. polished steel blades, w't 3¾ lbs., per pair ..... BGJ $4.50
ONE IN A BOX.

BABY CARRIAGES.

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in corderoy to match. Reclining backed sleeper with foot well.
Hood—Reed. Lined.
Gear—Fifth wheel reversible cradle gear.
Wheels—14 in., ⅝ in. rubber tires. Sold with steel or wood wheels.
Weight—90 lbs., packed one in a crate.
No. 2409—With steel wheels, each★ .....BCAJ $38.50

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in corderoy to match. Reclining backed sleeper with foot well.
Hood—Reed, adjustable, sliding. Lined. Rear storm curtain.
Gear—Fifth wheel reversible cradle gear.
Wheels—14 in., ⅝ in. rubber tires. Sold with steel or wood wheels.
Weight—90 lbs., packed one in a crate.
No. 2411—With steel wheels, each .....BBEJ $37.50

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in corduroy to match. Reclining backed sleeper with foot well.
Hood—Reed, adjustable, sliding. Lined. Rear storm curtain.
Gear—English reversible strap gear, as shown.
Wheels—14 in., ½ in. rubber tires. Sold with either steel or wood wheels.
Weight—80 lbs., packed one in a crate.
No. 2407—Each★ .....BJFE $34.40

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.
Hood—Reed. Adjustible, sliding. Lined.
Gear—Fifth wheel reversible cradle gear.
Wheels—14 in., ⅝ in. rubber tires. Sold with either steel or wood wheels.
Weight—90 lbs., packed one in a crate.
No. 2410—With steel wheels, each★ .....BJAJ $33.50

REED GONDOLA CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.
Hood—Reed. Lined.
Gear—English reversible strap gear, as shown, or on stationary gear.
Wheels—14 in., ½ in. rubber tires. Sold with either steel or wood wheels.
Weight—80 lbs., packed one in a crate.
No. 2408—With steel wheels, each★ .....AGGJ $29.50

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Half round reed. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.
Hood—Reed, adjustable, sliding. Lined.
Gear—English stationary strap gear, as shown.
Wheels—14 in., ½ in. rubber tires. Sold with either steel or wood wheels.
Weight—80 lbs., packed one in a crate.
No. 2403—With steel wheels, each★ .....AGAE $28.60

BROWN CARRIAGES WILL BE SHIPPED UNLESS OTHERWISE SPECIFIED. French gray with black gears supplied without extra charge. Cream or Ivory finish extra $2.50 list; White finish extra $4.00 list; Artillery Wheels extra $2.00 list; Wind Shields extra $2.00 list. ★SHIPPED FROM FACTORY, NORTHERN WISCONSIN.

BABY CARRIAGES.

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Flat reed with round reed fenders. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.

Hood—Reed, adjustable, sliding. Lined.

Gear—Fifth wheel reversible cradle gear.

Wheels—14 in., ⅝ in. rubber tires. Sold with either steel or wood wheels.

Weight—90 lbs., packed one in a crate.

No. 2412—With steel wheels, each★ .....AFHJ $28.00

REED PULLMAN CARRIAGE.



Run-About Size.

Body—Half round reed, natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.

Hood—Adjustable, sliding. Lined.

Gear—English reversible strap gear, as shown.

Wheels—12 in., ½ in. rubber tires. Sold either with steel or wood wheels.

Weight—80 lbs., packed one in a crate.

No. 2405—With steel wheels, each★ .....ADDJ $24.00

REED PULLMAN CARRIAGE.



Run-About Size.

Body—Flat reed with half round roll. Reclining backed sleeper with foot well. Natural enamel or brown finished, upholstered in rep corduroy to match.

Hood—Reed, adjustable, sliding. Lined.

Gear—Stationary gear, as shown, or English reversible strap gear.

Wheels—12 in., ½ in. rubber tires. Sold with either steel or wood wheels.

Weight—60 lbs., packed one in a crate.

No. 2401—With steel wheels, each★ .....ACBJ $22.00

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Flat reed with half round reed panel and inverted roll. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining back sleeper with foot well.

Hood—Reed, adjustable, sliding. Lined.

Gear—English reversible strap gear, as shown.

Wheels—14 in., ½ in. rubber tires.

Weight—80 lbs., packed one in a crate.

No. 2404—With steel wheels, each★ .....AFEJ $29.50

REED PULLMAN CARRIAGE.



Extra Wide.

Body—Flat reed with half round reed roll. Natural enamel or brown finish, upholstered in rep corduroy to match. Reclining backed sleeper with foot well.

Hood—Reed, adjustable, sliding. Lined.

Gear—Stationary gear, as shown.

Wheels—14 in., ½ in. rubber tires. Sold with steel or wood wheels.

No. 2402—With steel wheels, each★ .....ADDJ $24.00

REED PULLMAN CARRIAGE.



Run-About Size.

Body—Flat reed. Reclining backed with foot well. Natural enamel or brown finish, upholstered in rep corduroy to match.

Hood—Reed, adjustable, sliding. Lined.

Gear—Stationary gear, as shown.

Wheels—12 in., ½ in. rubber tires. Sold with either steel or wood wheels.

Weight—60 lbs., packed one in a crate.

No. 2400—With steel wheels, each★ .....AABJ $18.70

BROWN CARRIAGES WILL BE SHIPPED UNLESS OTHERWISE SPECIFIED. French gray with black gears supplied without extra charge. Cream or Ivory finish extra $2.50 list; White finish extra $4.00 list; Artillery Wheels extra $2.00 list; Wind Shields extra $2.00 list. ★*SHIPPED FROM FACTORY, NORTHERN WISCONSIN.*





OUR VERY BEST
OVB

Is the Very Best

H.S.B & CO.
REV-O-NOC

We Always Stand Behind the Brand

HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





REFRIGERATORS & WOODENWARE

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A TALK ON GREENLAND REFRIGERATORS.



Full sized sectional view of one wall of Greenland.

Porcelain Steel Lined Refrigerators.

All oak and ash refrigerators porcelain lined have ten walls.

A PERFECT REFRIGERATOR.

The standard of perfection in refrigerator construction is measured by the following requirements—

1. It must be a non-conductor of heat and cold, to insure ice economy and low temperature.

2. It must allow a free circulation of air to chill the food and keep it germ proof.

3. It must be so constructed as to be thoroughly and easily cleaned.

In offering our Porcelain Greenland Refrigerators to the trade, we firmly believe that they are the nearest perfection of any refrigerator on the market. They have stood the test of time and are in use in every state and many foreign countries.

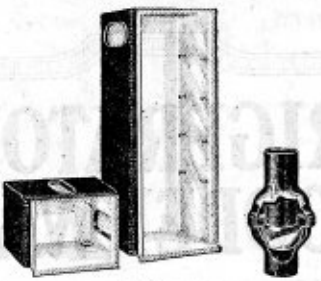
Our cocoa fibre insulation is one of the best non-conductors ever used. Nearly every other kind has been tested and we are thoroughly convinced of its superiority. We call your special attention to the above cut illustrating the construction of Greenland Refrigerators.

A Barrier Against Heat and Cold.

A scientific combination of walls of wood, air and insulating materials. What further proof do you need of the efficiency of our walls as non-conductors and ice savers.

Next in importance to case construction and insulation is free air circulation. Our refrigerators are so constructed that a current of cold, dry, pure air is continually descending from the ice to the provision chamber, where, in the process of chilling the food, it becomes heated and naturally rises to the ice chamber, laden with food moisture and impurities, which it deposits on the ice. These are carried off with the melted ice water and the air again chilled, dried and purified descends to the provision chamber to repeat its course.

LINING.



Lining.

Our Greenland Refrigerators are porcelain-steel and white enamel lined.

The new one-piece porcelain provision chambers are formed with the outer edges rolled in such a way that the heavy wooden standards, which have been previously on each side of the door opening, have been done away with, and the little inaccessible corners at the front of the provision chambers have been eliminated.

They are equipped with retinned wire shelves with open mesh, allowing free circulation of air. The waste pipe and trap, placed in the bottom of the provision chamber, are of brass, nickel plated. The flues, ice rack, shelves, waste pipe and trap are all easily removed for cleaning. They are all built with a patent device for returning all water from accidental leakage to the trap, so that the walls will never become water-soaked and musty.

Our enamel lined refrigerators have practically the same interior construction as described above. The very best enamel is used. It can be washed with soap and water without injury.

Doors of the porcelain lined have been improved, by covering all the back with the genuine porcelain, formed in a pan shaped piece, thus leaving only the three-coat white porcelain exposed to the interior of the refrigerator.

This latter improvement is carried out in the enameled line as well, by extending the galvanized iron over the backs of the doors in the same manner and is white enameled when the rest of the interior of the box has that finish.



USED ONLY ON THE .

Description—The lock is positively self-closing, draws the door air tight, takes care of all variance and sag of the door, and has no effect on the hinges.

In all spring locks in the past, the objection has been that the springs corroded, and the life of the lock was limited by this. In our new lock, we have the most effective spring of all the types made, viz., nickel steel wire coiled spring, and this spring has a compressed action similar to that on a poppet valve motor. The life of such a spring is assured. Further, this spring is non-corroding.

RECORD OF TEST.

For one week, at the rate of 34 times per minute—from 7 a. m. to 6 p. m.—this door was mechanically opened and closed. The week totaled 134,00 times.

After this service, an examination of the lock showed no weakness in any of its parts.

In examining the lock and door, special attention was paid to the hinges. There was no loosening in the hinges or sag in the door. This lock solves the problem of a positive, self-closing and air tight latch for refrigerator doors.



Used on Nansen only.

FACTS ABOUT REFRIGERATION.

A refrigerator is purchased for the purpose of preserving foodstuffs, liquids, etc. However, this cannot be done without the intelligent assistance of the person handling it.

Many people do not understand the proper way to handle and care for a refrigerator.

First they do not buy enough ice to cool the box. A piece of ice weighing twenty-five pounds is not sufficient to cool a refrigerator, the ice chamber of which has a far greater capacity. The result of this is a complaint to the dealer that the refrigerator will not even keep butter hard.

It is the intention of the manufacturer to build a refrigerator strictly in proper proportion, allowing in the ice chamber only enough space for the ice necessary to cool the provision chamber.

In order to get the desired results, with either an expensive or an inexpensive refrigerator, the ice chamber must be filled with ice.

It is easy to understand that this is the proper way to save ice, because ice will not melt nearly so fast in an ice chamber properly filled where the temperature is down to forty-eight degrees, as in a refrigerator where the ice chamber lacks a proper supply of ice.

Some people will rob the refrigerator of ice to make ice cream or to put in water, iced tea, or to cool champagne, etc., and then blame the refrigerator for not preserving the food.

Another mistake is to think that ice can be saved by covering it with a blanket or newspaper and at the same time preserve the food.

It must be remembered that ice will not reduce the temperature in the provision chamber unless it is melted. It is the melting of the ice that produces the cold, and if the temperature could be reduced to 32 degrees, the ice would stop melting. This, of course, is impossible with the necessary frequent opening of the doors.

The doors are likely to be left slightly open, which will not do at all. Not only is the ice wasted by the admission of warm air, but this warm air also contains moisture which will condense on the coldest part of the refrigerator—just under the ice chamber—with the result that the food becomes mouldy. It might thus be thought that the refrigerator leaked, when the carelessness of some person alone was responsible.

In many cases people are so very neat as to spread white paper over the refrigerator shelves. This should not be done, because it stops the circulation of air.

Another important feature is the location of the refrigerator. It should neither be too near the kitchen stove, nor out on the porch. If the refrigerator is placed where the sun will shine on it the wood will warp, open up at the joints and so destroy the insulation. It will then be impossible to get a low temperature.

A damp cellar will also ruin the refrigerator by causing the wood to swell.

Another frequent cause for dissatisfaction is the fact that the trap gets out of place or is lost entirely. This would let in a constant stream of warm air and act just the same as though the doors were left open. Every time a refrigerator is cleaned, viz., once a week, precaution should be taken to see that the trap is in its proper place in the top of the lower waste pipe.

Waste food, in the form of slime, will accumulate in the waste pipe and trap, and will eventually stop the flow of water. To prevent flooding the refrigerator, this waste must be removed by lifting the waste pipe straight up and taking it entirely out to find the trap.

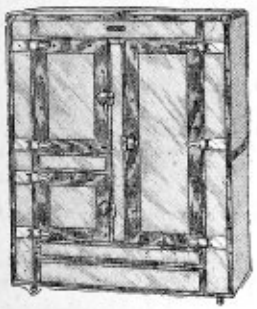
It is understood that a good refrigerator—one which will preserve food properly and consume as little ice as possible in so doing—must be constructed with the greatest of care. The best quality of lumber must be used, the doors made to fit tightly and the insulation, the most important factor, must be made from the best of materials.

The [illegible] Greenland Refrigerators are solidly constructed from the best of select kiln-dried lumber. The insulation, consisting of wool felt, charcoal sheathing and waterproof paper, makes the refrigerator a non-conductor of heat and cold.

If properly handled and cared for the [illegible] will give unalloyed satisfaction for an indefinite time.

GREENLAND REFRIGERATORS.

ALL PORCELAIN REFRIGERATORS.



Porcelain Inside and Outside.

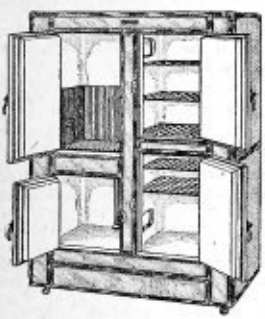
Insulated with Lino-Felt, Metal Strips and Corner Pieces Solid Aluminum, Locks and Hinges Solid Brass Heavily Nickel Plated, All Interior Parts Removable for Cleaning.

No. 3714—Ice capacity 95 lbs., w't crated 444 lbs.★ .....each **JGBIE** $152.00

	Width	Depth	Height
Outside case, in.	37⅛	20	46⅝
Ice chamber, in.	14⅛	15	18¾
Large prov. chamber, in.	13¾	14⅛	32½
Small prov. chamber, in.	13¾	14⅛	10
Opening to ice chamber door, in.			11½x16⅝
Opening large provision chamber door, in.			11⅛x31⅝
Opening small provision chamber door, in.			11⅛x10

No. 3715—Ice capacity 160 lbs., w't crated 560 lbs.★ each **JHHHJ** $185.00

	Width	Depth	Height
Outside case, in.	40¾	21¾	53
Ice chamber, in.	15⅞	16⅛	24
Large prov. chamber, in.	15⅝	15½	38¾
Small prov. chamber, in.	15⅝	15½	11½



Porcelain Inside and Outside.

No. 3716—Ice capacity 155 lbs., w't crated 574 lbs.,★ each **JIFJJ** $200.00

	Width	Depth	Height
Outside case, in.	40¾	21⅝	56¾
Ice chamber, in.	16	16⅛	24
Large prov. chamber, in.	15¾	15¼	41½
Small prov. chamber, in.	15¾	15¼	14¾
Opening to ice chamber door, in.			13¼x22

PORCELAIN LINED, OAK CASE.



Oak Case, Raised Front Panels, Quarter Sawed Oak, Golden Oak Finish, Rubbed and Polished, Insulated with Cocoa Fibre, One-Piece Porcelain Provision Chamber, Ice Chamber Lined with Heavy Galvanized Steel, Wire Shelves, Nickel Plated Locks and Hinges.

No. 74—Ice capacity 95 lbs., w't crated 308 lbs. .....each **CAFJ** $70.00

	Width	Depth	Height
Outside case, in.	36¾	21⅝	46⅝
Ice chamber, in.	14⅝	15	18⅛
Large prov. chamber, in.	13¾	14¾	32¾
Small prov. chamber, in.	13¾	14¾	10⅝
Opening to ice chamber door, in.			11⅛x16½
Opening to large prov. chamber door, in.			11⅛x32⅞
Opening to small prov. chamber door in.			11⅛x10⅝

No. 124—Fitted with porcelain lined water cooler opening through the top, ice capacity 85 lbs., w't crated 314 lbs., otherwise same as No. 74, each★ .....**CHIJ** $81.00

No. 75—Ice cpaacity 120 lbs., w't crated 330 lbs. .....each **DCBJ** $90.00

	Width	Depth	Height
Outside case, in.	38¾	22¾	48⅛
Ice chamber, in.	15½	16⅜	19¾
Large prov. chamber, in.	15¼	15½	34
Small prov. chamber, in.	15¼	15½	11¼
Opening to ice chamber door, in.			12⅝x17¾
Opening to large prov. chamber door, in.			12⅛x33¾
Opening to small prov. chamber door, in.			12⅛x11

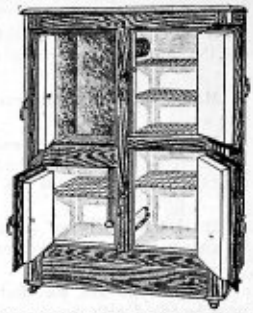
No. 125—Fitted with porcelain lined water cooler opening through the top, nickel plated faucet and tumbler holder, ice capacity 110 lbs., w't crated 336 lbs., otherwise same as No. 75, each★ .....**DGHJ** $99.55

No. 76—Ice capacity 150 lbs., w't crated 367 lbs. .....each **JEJDJ** $105.00

	Width	Depth	Height
Outsile case, in.	39¼	23¾	52⅞
Ice chamber, in.	15⅜	16	24
Large prov. chamber, in.	15½	15½	38⅛
Small prov. chamber, in.	15⅝	15½	11½
Opening to ice chamber door, in.			13⅛x21¾
Opening to large prov. chamber door, in.			13 x38⅛
Opening to small prov. chamber door, in.			13 x11½

No. 126—Fitted with porcelain lined water cooler opening through the top, nickel plated faucet and tumbler holder, ice capacity 140 lbs., w't crated 377 lbs., otherwise same as No. 76, each★ .....**JEFHJ** $118.35

PORCELAIN LINED, OAK CASE.



Oak Case, Raised Front Panels, Quarter Sawed Oak, Golden Oak Finish, Rubbed and Polished, Insulated with Cocoa Fibre, One-Piece Porcelain Provision Chamber, Ice Chamber Lined with Heavy Galvanized Steel, Wire Shelves, Nickel Plated Locks and Hinges.

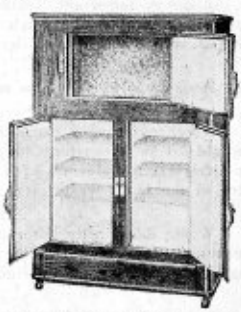
No. 77—Ice capacity 185 lbs., w't crated 468 lbs. .....each **JFCBE** $131.75

	Width	Depth	Height
Outside case, in.	41¾	24¾	58⅜
Ice chamber, in.	16⅞	18⅝	24½
Large prov. chamber, in.	16⅝	17½	43½
Small prov. chamber, in.	16⅝	17½	15⅜
Opening to ice cham. door, in.			14⅝x22¼

No. 127—Ice capacity 175 lbs., w't crated 461 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 77, each★ .....**JGJAE** $146.10

No. 80—Ice capacity 250 lbs., w't crated 555 lbs.★ .....each **JGHGJ** $164.00

	Width	Depth	Height
Outside case, in.	45¾	26½	63¾
Ice chamber, in.	18⅜	19¾	27
Large prov. chamber, in.	19½	19¼	47¼
Small prov. chamber, in.	19½	19¼	16¾
Opening to ice chamber door, in.			16½x24⅞



No. 78—Ice capacity 190 lbs., w't crated 441 lbs. .....each **JEGJJ** $118.75

	Width	Depth	Height
Outside case, in.	39¼	23½	58⅜
Ice chamber, in.	30⅛	16¾	15
Each prov. chamber, in.	15¼	16¼	25¾
Opening to ice chamber door, in.			20⅞x12⅝
Opening each prov. chamber door, in.			13½x25⅜

★*FOR FACTORY SHIPMENT ONLY.*

GREENLAND REFRIGERATORS.

Ash Case, Raised Front Panels, Golden Oak Finish, Round Corners, Insulated with Wool Felt and Waterproof Paper, Provision Chamber One-Piece Porcelain on Heavy Sheet Steel, Shelves, Ice Rack, Drain Pipe and Trap, all Removable for Cleaning, Nickel Plated Locks and Hinges.

PORCELAIN LINED HARDWOOD CASE.



No. 61—Ice capacity 70 lbs., w't crated 224 lbs. .....each **BFAE** $54.50

	Width	Depth	Height
Outside case, in.	25¼	19½	53
Ice chamber, in.	16⅜	12⅜	13½
Provision chamber, in.	18½	12⅜	23¼
Opening to ice chamber door, in.			16⅜x11½
Opening to provision chamber door, in.			16⅜x22⅞

No. 62—Ice capacity 90 lbs., w't crated 250 lbs. .....each **BIJE** $60.50

	Width	Depth	Height
Outside case, in.	27¾	20	56⅜
Ice chamber, in.	18½	13⅛	15½
Provision chamber, in.	20⅜	12¾	23¼
Opening to ice chamber door, in.			18¼x12⅜



No. 63—Ice capacity 125 lbs., w't crated 282 lbs. .....each **CJIJ** $64.35

	Width	Depth	Height
Outside case, in.	31¾	21⅝	56⅜
Ice chamber, in.	22¼	14¾	16¼
Provision chamber, in.	24½	14⅝	20
Opening to ice chamber door, in.			22¼x14

No. 113—Ice capacity 120 lbs., w't crated 287 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 63, each★ .....**CEDJ** $73.80

PORCELAIN LINED HARDWOOD CASE.



No. 19—Ice capacity 35 lbs., w't crated 150 lbs. .....each **ADDJ** $30.00

	Width	Depth	Height
Outside case, in.	25	16½	41½
Ice chamber, in.	15½	9¼	10½
Provision chamber, in.	17¾	9¼	14¼
Opening to provision chamber door, in.			15¾x14½

No. 20—Ice capacity 44 lbs., w't crated 168 lbs. .....each **AHBE** $38.00

	Width	Depth	Height
Outside case, in.	26¾	17½	43⅜
Ice chamber, in.	17¼	10¼	9¾
Provision chamber, in.	19¾	10¾	17
Opening to prov. chamber door, in.			17½x16⅞



No. 60—Ice capacity 70 lbs., three shelves, w't crated 23 lbs., each .....**BGCE** $57.00

	Width	Depth	Height
Outside case, in.	33¼	19¼	42⅜
Ice chamber, in.	12⅞	12⅜	16¼
Large, prov. chamber, in.	12⅜	12	28
Small prov. chamber, in.	12⅜	12	8¾

No. 110—Ice capacity 60 lbs., three shelves, w't crated 233 lbs., dimensions same as No. 60 .....each **CAEE** $66.45

PORCELAIN LINED HARDWOOD CASE.



No. 64.

Three Shelves.

No. 64—Ice capacity 75 lbs., three shelves, w't crated 248 lbs., each .....**BIGE** $62.00

	Width	Depth	Height
Outside case, in.	34¾	19⅜	45⅜
Ice chamber, in.	13½	12¾	17½
Large prov. chamber, in.	14⅝	12¾	31½
Small prov. chamber, in.	13⅜	12¾	10¼

No. 114—Ice capacity 70 lbs., w't crated 254 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 64, each★ .....**CDCJ** $71.45

Four Shelves.

No. 65—Ice capacity 90 lbs., four shelves, w't crated 265 lbs., each .....**CBAE** $67.00

	Width	Depth	Height
Outside case, in.	35¼	20½	47⅜
Ice chamber, in.	13¾	13¼	19½
Large prov. chamber, in.	13¾	12¾	33
Small prov. chamber, in.	13⅜	12¾	9⅞

No. 115—Ice capacity 90 lbs., w't crated 271 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 65, each★ .....**CGBJ** $77.50

No. 66—Ice capacity, 115 lbs., four shelves, w't crated 304 lbs., each .....**CFJJ** $75.00

	Width	Depth	Height
Outside case, in.	38¼	21¼	51⅜
Ice chamber, in.	15¼	13¾	33¼
Large prov. chamber, in.	15	13¼	37
Small prov. chamber, in.	15	13¼	10¼

No. 116—Ice capacity 110 lbs., w't crated 312 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 66, each★ .....**DAJE** $85.50

No. 67—Ice capacity 145 lbs., four shelves, w't crated 335 lbs., each .....**DBBE** $88.00

	Width	Depth	Height
Outside case, in.	39¼	23⅛	53¼
Ice chamber, in.	16	15¾	23⅛
Large prov. chamber, in.	15½	15¼	39½
Small prov. chamber, in.	15½	15¼	13¾
Opening to ice chamber door, in.			13¼x21½

No. 117—Ice capacity 135 lbs., w't crated 345 lbs., nickel plated faucet and tumbler holder, otherwise same as No. 67★ .....each **JDIDE** $103.00

★*FOR FACTORY SHIPMENT ONLY.*

GREENLAND REFRIGERATORS.

GREENLAND WHITE ENAMEL LINED REFRIGERATORS

have Ash Cases, Raised Front Panels, Golden Oak Finish, Round Corners, Insulated with Felt and Charcoal Sheathing, Seven Walls, Wire Shelves, Drain Pipe and Trap, All Removable for Cleaning, Base Board Lifts Up, Solid Brass Locks and Hinges, Nickel Plated, Zinc Lined, Flues Removable In Apartment House Style.

WHITE ENAMEL LINED HARDWOOD CASE.



White Enamel Lined Provision Chamber.

No. 601—Ice capacity 60 lbs., w't crated 140 lbs. .....each **ACGE** $28.60

	Width	Depth	Height
Outside case, in.	25	16¾	43
Ice chamber, in.	17⅜	11¾	12
Provision chamber, in.	19⅜	11¾	17⅛

No. 602—Ice capacity 65 lbs., w't crated 177 lbs. .....each **AFAJ** $33.55

	Width	Depth	Height
Outside case, in.	27¾	17⅞	46⅛
Ice chamber, in.	19¼	11½	13¼
Provision chamber, in.	21¾	12⅛	17½

No. 603—Ice capacity 95 lbs., w't crated 216 lbs. .....each **AHEJ** $38.50

	Width	Depth	Height
Outside case, in.	31¾	19⅜	47
Provision chamber, in.	25¾	13¼	18¼
Ice chamber, in.	23¼	13	13

WHITE ENAMEL LINED HARDWOOD CASE.



White Enamel Lined Provision Chamber.

No. 611—Ice capacity 60 lbs., w't crated 155 lbs. .....each **ADIE** $31.20

	Width	Depth	Height
Outside case, in.	22¾	17½	50¼
Ice chamber, in.	14¾	11⅞	13
Provision chamber, in.	16¾	11⅞	20¼
Opening to ice chamber door, in.			14¼x11
Opening to provision chamber door, in.			14¼x19¼

No. 612—Ice capacity 80 lbs., w't crated 197 lbs. .....each **AIDJ** $40.45

	Width	Depth	Height
Outside case, in.	26¾	18¾	54
Ice chamber, in.	18¼	13⅛	14½
Provision chamber, in.	21	13⅛	22
Opening to ice chamber door, in.			18¼x12⅝
Opening to provision chamber door, in.			18¼x21¼

No. 613—Ice capacity 110 lbs., w't crated 220 lbs. .....each **BADJ** $44.60

	Width	Depth	Height
Outside case, in.	28	17½	58
Ice chamber, in.	20¾	12⅞	15⅝
Provision chamber, in.	22¾	12⅞	25½
Opening to ice chamber door, in.			20x25½
Opening to provision chamber door, in.			20x14¼



White Enamel Lined Provision Chamber.

No. 606—Ice capacity 125 lbs., w't crated 242 lbs. .....each **BABE** $44.30

	Width	Depth	eight
Outside case, in.	30¾	21⅝	52
Ice chamber, in.	22¼	15¼	15¾
Provision chamber, in.	24¼	15¼	19
Opening to ice chamber door, in.			22¼x13¾
Opening to provision chamber door, in.			22¼x18¼

GYB GREENLAND REFRIGERATORS.

WHITE ENAMEL LINED, HARDWOOD CASE.



Ash Case, Raised Front Panels, Golden Oak Finish, Round Corners, Insulated with Felt and Charcoal Sheathing, Eight Walls, Wire Shelves, Drain Pipe and Trap, All Removable for Cleaning, Base Board Lifts Up, Solid Brass Locks and Hinges, Nickel Plated, Zinc Lined.

No. 615—Ice capacity 125 lbs., w't crated 250 lbs. .....each **BIBE** $60.90

	Width	Depth	Height
Outside case, in.	35¾	21½	50¼
Ice chamber, in.	27⅛	15¾	13½
Provision chamber, in.	14½	15¾	20
Opening to ice chamber door, in.	27x11⅞		

No. 616—Ice capacity 160 lbs., w't crated 290 lbs. .....each **CDAJ** $71.00

	Width	Depth	Height
Outside case, in.	37¾	21⅞	52⅝
Ice chamber, in.	29½	16¾	14
Provision chamber, in.	15⅜	16¾	21½
Opening to ice chamber doors, in.	21¾x12⅛		
Opening to provision chamber doors, in.	13 x21		

WHITE ENAMEL LINED. HARDWOOD CASE.



Ash Case, Raised Front Panels, Golden Oak Finish, Round Corners, Insulated with Felt and Charcoal Sheathing, Eight Walls, Wire Shelves, Drain Pipe and Trap, All Removable for Cleaning, Base Board Lifts Up, Solid Brass Locks and Hinges, Nickel Plated, White Enamel Lined.

Three Shelves.

No. 804—Ice capacity 70 lbs., three shelves, w't crated 195 lbs., each .....**BJDE** $42.65

	Width	Depth	Height
Outside case, in.	33¾	18	44¾
Ice chamber, in.	13½	12¾	17⅝
Large prov. chamber, in.	13½	12¾	30⅛
Small prov. chamber, in.	13½	12¾	9½
Opening to ice chamber door, in.	11x15⅜		
Opening to large provision chamber door, in.	11x20⅝		
Opening to small provision chamber door, in.	11x 9¼		

Four Shelves.

No. 805—Ice capacity 80 lbs., four shelves, w't crated 233 lbs., each .....**BBGE** $47.40

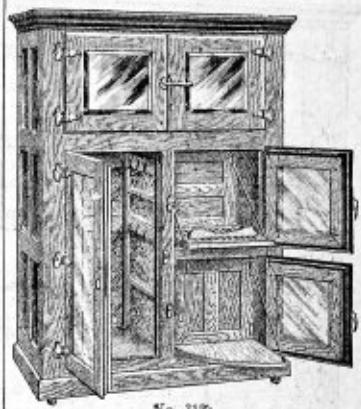
	Width	Depth	Height
Outside case, in.	34¾	19	47
Ice chamber, in.	14	13¾	18½
Large prov. chamber, in.	14	13¾	32½
Small prov. chamber, in.	14	13¾	11
Opening to ice chamber door, in.	11⅝x16⅝		
Opening to large provision chamber door, in.	11⅝x31¼		
Opening to small provision chamber door, in.	11⅝x10½		

No. 806—Ice capacity 120 lbs., four shelves, w't crated 243 lbs., each .....**BEEJ** $53.15

	Width	Depth	Height
Outside case, in.	37¾	20⅜	50
Ice chamber, in.	15¼	14½	22½
Large prov. chamber, in.	15¾	14½	35½
Small prov. chamber, in.	15¼	14½	9¼
Opening to ice chamber door, in.	12¼x20⅝		
Opening to large provision chamber door, in.	12¾x34¼		
Opening to small provision chamber door, in.	12¾x 9¼		

No. 856—Ice capacity 110 lbs., w't crated 253 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 806.,★ each .....**CJJE** $62.60

GROCERS' OR RESTAURANT.



No. 3135.

Ash Case, Insulated with Felt, Eight Walls, Drain Pipe, Flues and Ice Rack, All Removable and Easy to Clean, Heavy Nickel Plated Locks and Hinges, a Convenient Size and Style for Family, Restaurant or Grocers' Use, Can Be Furnished in Two Styles As Follows.

No. 3153—Ice capacity 370 lbs., galvanized steel lined, double glass panels in all provision chamber doors, beveled mirror in ice chamber door, trays in right hand provision chamber, galvanized meat hooks in left hand provision chamber, w't crated 612 lbs.★ .....each **JGHGJ** $164.00

	Width	Depth	Height
Outside case, in.	53	27½	71
Ice chamber, in.	39½	20½	18½
Provision chambers, in.	21¼	20½	38¾
Two provision chamber openings, right, in.	18x17½		
One provision chamber opening, left, in.	18x34½		

No. 3151—All doors have quartered oak panels instead of double glass panels, otherwise same as No. 3153,★ each .....**JGJAJ** $146.00

GROCERS' ICE CHESTS.



Hardwood, Golden Oak Finish, Zinc Lined, Insulated with Wool Felt.

Nos.	57	58
Width, in.	41¾	52¼
Depth, in.	28¼	28½
Height, in.	36¼	39
W't crated, lbs.	218	295
Capacity, ice, lbs.	276	370
Each	$52.50	69.65
	BEBJ	**CCDE**

Above boxes have sliding tops, affording place for scales on the upper cover.

★*FOR FACTORY SHIPMENT ONLY.*

GYB GREENLAND REFRIGERATORS.

Family, Grocers or Restaurant.



Ash Case, Eight Walls, Insulated with Lino-Felt, Drain Pipe, Flues and Ice Rack all Removable and Easy to Clean, Heavy Nickel Plated Locks and Hinges, a Convenient Size and Style for Family, Restaurant and Grocers' Use. Can be Furnished in Five Styles as Follows—

No. 3172—Ice capacity 475 lbs., galvanized steel lined, double glass in all provision chamber doors, beveled mirror in ice chamber door, retinned wire shelves in upper provision chambers, w't crated 850 lbs.,
Each★ ..... **AAIJE** $248.00

	Width.	Depth.	Height.
Outside case, in.	78	27½	71¾
Ice Chamber, in.	24¼	20⅜	38
Two large provision chambers, in.	21	20⅜	60½
Openings to large provision chambers, in.	18	x17½	
Opening to ice chamber, door, in.	21¼x35½		
Opening to provision chamber under ice chamber, in.	21½x18½		

No. 3173—Trays in right provision chamber, galvanized meat hooks in left provision chamber, otherwise same as No. 3172★.....each **ABAIJ** $254.00

No. 3170—Galvanized steel lined, retinned wire shelves in upper provision chambers, all doors quartered oak panels, otherwise same as No. 3172★.....each **AJIDE** $228.00

No. 3171—Trays in right provision chamber, galvanized meat hooks in left provision chamber, all doors quartered oak panels, otherwise same as No. 3173★..each **AACCJ** $234.00

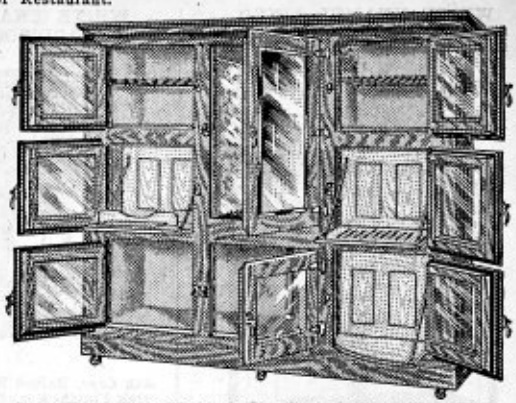
No. 3174—Porcelain lined provision chambers, retinned wire shelves in upper provision chambers, all doors have quartered oak panels, otherwise same as No. 3172,
Each★ ..... **ADHHJ** $310.00



FAMILY ICE CHESTS.

Hardwood, Golden Oak Finish, Galvanized Steel Lining.

Nos.	51	52	53	54
Width, in.	24	29¼	34½	39
Depth, in.	17½	19	21¼	24½
Height, in.	24½	25¼	30¼	33½
W't crated, lbs.	69	94	149	178
Capacity, ice, lbs.	49	94	136	179
Each	$13.95	18.60	25.80	31.85
	JFGJ	JHIJ	ABDJ	AECJ



Large Bevel Plate Mirror in Ice Chamber Door, Nine Walls, Galvanized Iron Lining, Sanitary Retinned Woven Wire Shelves, Solid Brass Locks and Hinges, Nickel Plated, One Sliding Tray with Back Stop and Tub Rest, One Sliding Tray with Back Stop, One Revolving Tray with Back Stop, Lower Left Provision Chamber Extends Under Ice Chamber without Shelves or Partition for Storing Large Articles.

No. 3183—Ice capacity 540 lbs., w't crated 965 lbs.,
Each★ ..... **ABFJJ** $262.50

	Width.	Depth.	Height.
Outside case, in.	83½	27½	72½
Ice chamber, in.	25¾	20½	38¾
Two large provision chambers, in.	23	20½	62
Provision chamber under ice chamber, in.	25¾	20½	18⅝
Opening to ice chamber, door, in.	23x36½		
Opening to provision chamber under ice chamber, in.	23x18		



Ash Case, Quartered Oak Panels, Golden Oak Finish, Insulated with Polar Felt, Eight Walls, Galvanized Iron Lined, Large Provision Chamber on Right Hand Side Fitted with Racks and Two Dozen Hooks, Large Provision Chamber on Left Hand Side Has Four Tinned Woven Sanitary Wire Shelves, Lower Compartment Extending Under Ice Chamber Has Neither Shelves nor Partition, Leaving Ample Space for Large Tubs or Packages, the Right Hand Provision Chamber Has Two Doors, the Upper Door Overlapping the Lower.

No. 3191—Ice capacity 540 lbs., w't crated 965 lbs.,
Each★ ..... **AACDJ** $236.25
Dimensions essentially the same as No. 3183 given above

★*FOR FACTORY SHIPMENT ONLY.*

NANSEN REFRIGERATORS.

GALVANIZED STEEL LINED HARDWOOD CASE.



Hardwood Case, Round Corners and Plain Front Panels, Golden Oak Finish, Insulated with Waterproof Sheathing, Retinned Wire Shelves, Drain Pipe and Trap in Bottom of Provision Chamber, All Removable for Cleaning.

ONE SHELF.

No. 900—Ice capacity 35 lbs., one shelf, w't crated 102 lbs., each **JGEE** $15.75

	Width	Depth	Height
Outside case, in.	22⅜	15⅜	38¼
Ice chamber, in.	14	9¼	11
Provision chamber, in.	16½	10	13¼
Opening to provision chamber, in.	15¼x13⅛		

TWO SHELVES.

No. 901—Ice capacity 40 lbs., two shelves, w't crated 111 lbs., each **JICE** $19.45

	Width	Depth	Height
Outside case, in.	23⅞	15⅜	41¼
Ice chamber, in.	16½	9¼	11¼
Provision chamber, in.	17⅜	10½	14¼
Opening to ice chamber door, in.	16⅝x14		

No. 902—Ice capacity 50 lbs., two shelves, raised front panels, w't crated 140 lbs. each **AAIJ** $24.80

	Width	Depth	Height
Outside case, in.	25⅛	16¼	43⅝
Ice chamber, in.	16¼	10⅜	11¾
Provision chamber, in.	19¾	10⅜	16⅛
Opening to provision chamber, in.	18x16		

No. 952—Ice capacity 40 lbs., w't crated 149 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 902, each★ **ADGE** $30.70

No. 903—Ice capacity 65 lbs., w't crated 177 lbs. each **ACIE** $29.10

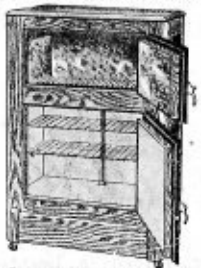
	Width	Depth	Height
Outside case, in.	27¾	17⅜	46¼
Ice chamber, in.	19¼	11½	13¾
Provision chamber, in.	21¾	12⅛	17½
Opening to provision chamber, in.	19¼x17⅛		

No. 953—Ice capacity 55 lbs., w't crated 185 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 903, each★ **AGCJ** $36.10

No. 904—Ice capacity 95 lbs., w't crated 216 lbs. each **AFJE** $33.40

	Width	Depth	Height
Outside case, in.	31¾	19⅜	47¼
Ice chamber, in.	23¼	13	13
Provision chamber, in.	25¾	13¾	18¼
Opening to provision chamber door, in.	23¼x17⅜		

GALVANIZED STEEL LINED HARDWOOD CASE.



No. 907—Ice capacity 110 lbs., w't crated 208 lbs. each **AFAJ** $33.55

	Width	Depth	Height
Outside case, in.	30¾	18¼	48
Ice chamber, in.	22¾	12½	12¾
Provision chamber, in.	24¾	12½	18
Opening to provision chamber door, in.	22¼x17⅝		

WHITE ENAMEL LINED.



No. 917—Ice capacity 110 lbs., w't crated 208 lbs., dimensions same as No. 907, each **AGGJ** $36.90



No. 916—Ice capacity 60 lbs., w't crated 185 lbs. each **AFHJ** $35.00

	Width	Depth	Height
Outside case, in.	30½	17	41¼
Ice chamber, in.	12	11½	17½
Large prov. chamber, in.	12	11½	30
Small prov. chamber, in.	12	11½	9½
Openings to doors, in.	9½x28¾		

No. 918—Ice capacity 65 lbs., w't crated 192 lbs. each **AGGE** $37.00

	Width	Depth	Height
Outside case, in.	32¾	18½	42¼
Ice chamber, in.	13	12¾	16
Large prov. chamber, in.	13	12¾	28⅜
Small prov. chamber, in.	13	12¾	8½
Openings to doors, in.	10½x27¼		

WHITE ENAMELED LINED, HARDWOOD CASE.



Ash Fronts and Tops, White Enamel Lined Provision Chamber, Round Corners, Golden Oak Finish and Raised Front Panels, Insulated with Charcoal Sheathing and Wool Felt, Re-tinned Wire Shelves and New Patent Trap and Waste Pipe in Bottom of Provision Chamber, All Removable for Cleaning.

No. 911—Ice capacity 40 lbs., two shelves, w't crated 111 lbs., each **AJBE** $21.40

	Width	Depth	Height
Outside case, in.	27⅜	15⅜	41¼
Ice chamber, in.	15½	9¾	11¼
Provision chamber, in.	17⅜	10½	14¼
Opening to ice chamber door, in.	16¼x14		

No. 912—Ice capacity 50 lbs., w't crated 140 lbs. each **ACAJ** $27.25

	Width	Depth	Height
Outside case, in.	25¾	16¾	43¼
Ice chamber, in.	16¾	10⅜	11¾
Provision chamber, in.	19¾	10⅜	16⅛
Opening to provision chamber, in.	18x16		

No. 962—Ice capacity 40 lbs., w't crated 149 lbs., porcelain lined water cooler, nickel platel faucet and tumbler holder, otherwise same as No. 912, each★ **AFBJ** $33.75

No. 913—Ice capacity 65 lbs., w't crated 177 lbs. each **AECE** $32.00

	Width	Depth	Height
Outside case, in.	27¾	17⅜	46¼
Ice chamber, in.	19¼	11½	13¾
Provision chamber, in.	21¾	12⅛	17½
Opening to ice chamber door, in.	19¼x17⅛		

No. 963—Ice capacity 55 lbs., w't crated 185 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 913, each★ **AIJE** $39.65

No. 914—Ice capacity 95 lbs., w't crated 216 lbs. each **AGFE** $36.75

	Width	Depth	Height
Outside case, in.	31¾	19⅜	47¼
Ice chamber, in.	23¼	13	13
Provision chamber, in.	25¾	13¾	18¼
Opening to provision chamber, in.	23¼x17⅜		

No. 964—Ice capacity 85 lbs., w't crated 231 lbs., porcelain lined water cooler, nickel plated faucet and tumbler holder, otherwise same as No. 914, each★ **BADJ** $44.60

★*FOR FACTORY SHIPMENT ONLY.*

COFFEE MILLS.



The REVONOC is the ideal family coffee mill. It is a great improvement in coffee mill construction and in finish and material it conforms to the high standard of REVONOC quality.

Frame—The strong **cast** iron frame is made so as to be screwed to the wall and held firmly in place. It can easily be taken apart if necessary.

Grinder—The chilled steel grinder is made with beveled knives and short teeth that do the work perfectly, cutting the coffee instead of crushing it, while the long handle gives better leverage and requires less effort to operate than other models.

Finish—The REVONOC Coffee Mill is attractively painted in red with gold stripes and the clear glass canister is neatly labeled.

No. 446 REVONOC—Height 16 in., chilled steel grinder, frame attractively painted red with gold stripes, glass canister and tumbler, capacity one pound, w't per doz. 60 lbs. per dozen **ABIJ** $20.00

Extra Canisters for No. 446 REVONOC, per dozen .....**BDJ** $4.50

Extra tumblers for No. 446 REVONOC, per dozen .....**JIJ** $1.65

ONE IN A CORRUGATED STRAWBOARD BOX, ONE-HALF DOZEN IN A CASE.



No. 077—Height 13½ in., japanned frame, embossed canister, iron cup, screws to wall, capacity 1 lb., w't per doz. 60 lbs. ...per dozen **JFJJ** $10.00

ONE-HALF DOZEN IN A CASE.



No. 025—Height 16 in., japanned frame, glass cup, air-tight hopper, retains strength of coffee until it is used, screws to wall, capacity 1 lb., w't per doz. 70 lbs., per dozen **JGBJ** $12.00

Grinder is smaller than No. 099.

Extra cups and canisters for No. 099 will interchange with No. 025.

ONE-HALF DOZEN IN A CASE.

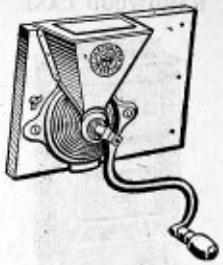


No. 099—Height 15½ in., japanned frame, bright glass canister and tumbler, screws to wall, capacity 1 lb., w't per doz. 117 lbs., per dozen .....**AJHJ** $20.00

Extra Cups, for above, per dozen .....**JIJ** 1.75

Extra Canisters, for above, per dozen .....**BDJ** 4.50

ONE-HALF DOZEN IN A CASE.



No. A21—Wilson Improved, japanned 5½x8½ in. wood back, screws to wall, w't per doz. 30 lbs., per dozen .....**CIJ** $6.00

ONE-HALF DOZEN IN A CASE.

Eagle, Japanned, Wood Back, Screws to Wall.

Nos.	50	60	70	80
Size, in.	6x8	6½x9	7½x10	9x12
W't, doz., lbs. ...	48	57	70	100
Per doz..	$7.50	8.50	10.00	16.00
	DHJ	**EAJ**	**JFFJ**	**JIFJ**

ONE-HALF DOZEN IN A CASE.

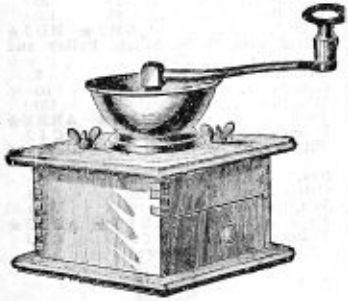
COFFEE MILLS.



No. A13—Base 6x6 in., height 3¼ in., japanned iron hopper, w't per doz. 34 lbs.....per dozen **C I J** $6.00
ONE-HALF DOZEN IN A CASE.



No. 104—Eagle, base 6x6 in., height 4 in., japanned iron hopper, w't per doz. 46 lbs.....per dozen **E G J** $8.50
ONE-HALF DOZEN IN A CASE.



No. 25—Union, double grinders, base 7¼x7¼ in., height 5¼ in., japanned iron hopper, w't per doz. 79 lbs., per dozen .....**J I C J** $15.00
ONE-HALF DOZEN IN A CASE.



No. 204—Monitor, one piece body, all steel except wooden knob, cotter adjustment, finished glossy black, w't per doz. 22 lbs., per doz. **C I J** $4.50

Grinders easily removed to clean. May be used for both coffee and spices.
ONE-HALF DOZEN IN A CASE.



No. 555—1080—Base 6⅝x6⅝ in., height 7⅝ in., capacity 1 lb., round cornered box, screw top, bronzed crank and side handle, hopper inside case, tin drawer, w't per doz. 61 lbs., per dozen .....**J E G J** $10.60
ONE-HALF DOZEN IN A CASE.



No. 1010—Waddel's, base 6x6 in., height 5 in., copper bronze covered top, iron hopper with tin cup, w't per doz. 45 lbs.....per dozen **E G J** $9.25
ONE-HALF DOZEN IN A CASE.



No. 40—Waddel's, base 6x6¾ in., height 5 in., copper bronzed covered top, with handle, iron hopper with tin cup, w't per doz. 51 lbs., per dozen .....**J F J J** $10.50
ONE-HALF DOZEN IN A CASE.



No. 431—National, base 6½x6½ in., height 5½ in., fancy bronze covered top, covered iron hopper, double grinders, extra large, with handle, w't per doz. 64 lbs., per dozen .....**J G H J** $13.00
ONE-HALF DOZEN IN A CASE.



No. 541—Base 6½x6½ in., height 8 in., capacity 1 lb., round cornered box, fancy covered iron hopper, with handle, tin drawer, w't per doz. 98 lbs., per dozen .....**J H G J** $15.00
ONE-HALF DOZEN IN A CASE.



No. 150—None-Such, steel body, base and top, japanned, chilled grinders, with self-centering device, cotter adjustment, holds one pound of coffee, w't per doz. 45 lbs., per dozen .....**F F J** $8.00
ONE-HALF DOZEN IN A CASE.

CHURNS.

DASH.



Ash, Sunk Lid.

Nos.	0	1	2
Height, in.	18	22	22
Gallons	4	5	7
W't, doz., lbs.	120	145	180
Per dozen	$12.00	13.00	15.00
	AAAJ	AAGJ	ABFJ

SIX IN A CRATE.

ANTI-BENT WOOD.



Rabbeted into the ends and put together with hydraulic pressure, making leakage an impossibility, and is constructed so that all parts swell and shrink together, which prevents splitting. Every churn warranted.

Selected White Ash, Varnished, Japanned Gearing.

Nos.	1	2	3
Gallons	5	7	10
W't, lbs.	43	45	48
Each	$8.00	8.50	9.50
	EAJ	EDJ	EDJ

Extra Parts.

No. 31—Large crank wheel, each ..... AJJ $1.00
No. 32—Small cog wheel, each CF .40

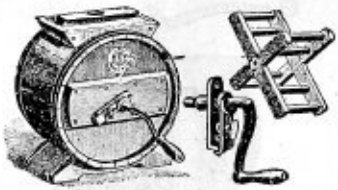
ONE IN A CRATE.

POWER WHEELS FOR ANTI-BENT CHURNS.



Per dozen ..... BAFJ $36.00

IMPROVED CYLINDER.



White Cedar, Double Dasher, Thumb Screw Lock, Large Top, Galvanized Iron Hoops.

Nos.	1	2	3	4
Gallons	3	4	7	10
W't, lbs.	14	18	21	26
Each	$2.50	3.00	3.50	4.00
	BAJ	BEJ	BIE	CCE

ONE IN A CRATE.

REVONOC



12L.

With Frame.

Nos.	0	1	2
Gallons	6	10	15
W't, lbs.	29	36	41
Each	$8.00	9.00	10.00
	BIJ	CBE	JCFJ
Nos.	3	4	5
Gallons	20	25	35
W't, lbs.	50	70	80
Each	$11.00	14.00	16.00
	JCIE	JEJE	JEGE

Extra Parts.

Cork, for covers ..... per set BD $0.75
No. 12L—Cranks for Nos. 0, 1, 2 and 3, each ..... BB $0.25

Covers Complete,

Nos.	0	1	2
W't, lbs.	2¼	3¼	4
Each	$1.00	1.25	1.50
	JIJ	AAJ	ABJ
Nos.	3	4	5
W't, lbs.	5½	7½	8¾
Each	$1.75	2.00	2.25
	ACJ	AEJ	AIJ

FOR POWER.



Fitted with 10 Inch Single Pulley and Shaft.

Nos.	0	1
Gallons	6	10
W't, lbs.	41	47
Each	DHJ★	EDJ★

Fitted with 12 in. Single Pulley and Shaft.

Nos.	2	3
Gallons	15	20
W't, lbs.	52	62
Each	EGJ★	FJJ★

Fitted with 14 Inch Single Pulley and Shaft.

Nos.	4	5
Gallons	25	35
W't, lbs.	95	100
Each	GHJ★	HDJ★

Fitted with 16 in. Single Pulley and Shaft.

Nos.	6	7
Gallons	50	60
W't, lbs.	110	130
Each	AJHJ★	ABBE★
Frames, extra, each	CJJ	CJJ

Fitted with 18. in. Single Pulley and Shaft.

Nos.	8	9
Gallons	90	100
W't, lbs.	150	180
Each	AEIJ★	AHJJ★
Frames extra, each	CJJ	CJJ



Double Pulley.

Fitted with 10 in. Double Pulley

Nos.	0	1
Each	FJJ★	FEJ★

Fitted with 12 in. Double Pulley.

Nos.	2	3
Each	GJJ★	HJJ★

Fitted with 14 in. Double Pulley.

Nos.	4	5
Each	IFJ★	AJEJ★

Fitted with 16. in. Double Pulley.

Nos.	6	7
Each	ABHE★	ADDJ★

Fitted with 18 in. Double Pulley.

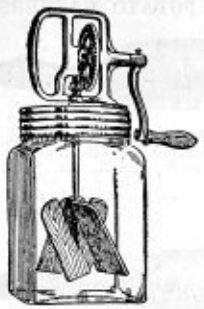
Nos.	8	9
Each	AHBJ★	BJBE★

Extra, for braced frame, each ..... ABJ $2.00
Extra, for roller bearings, each ..... AEJ 2.50

We do not furnish frames for churns over No. 5, unless specified in orders. For convenience large churns are often hung between two upright posts instead of a portable frame.

★*FOR FACTORY SHIPMENT ONLY.*

DAZEY CHURNS.



DAZEY, Heavy Clear Glass Jar, Beveled Corners, Nickel Plated Stamped Steel Threaded Screw Cap Top, Cast Iron Gear Frame with Hand Grip, Aluminum Finish, Riveted to Top Cap, Machine Cut Gearing Accurately Fitted, Cast Iron Crank with Natural Finish Hardwood Handle, Hardwood Turbine Dasher with Four Paddles, Smoothly Grooved and Nailed, Heavily Tinned Steel Dasher Rod.

Nos.	10	20
Capacity, pts.	3	5
Size of jar, in.	3¼x7	4¼x8
Height over all, in.	11	12⅛
Butter churning capacity, pts.	1½	2½
W't per doz., lbs.	45	75
Per dozen	$18.00	25.50
	AADJ	AEIJ

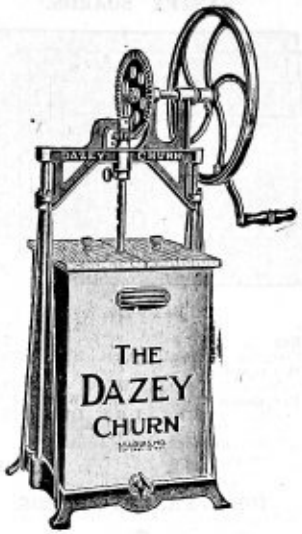
Nos.	30	40
Capacity, pts.	7½	9
Size of jar, in.	5¼x8½	6x9
Height over all, in	13¼	14⅛
Butter churning capacity, pts.	3½	4½
W't per doz., lbs.	95	100
Per dozen	$31.00	43.00
	AIBJ	BFDJ

EXTRA GLASS JARS FOR DAZEY CHURNS.

Nos.	J 10	J 20
W't per doz., lbs.	18	24
Per dozen	$3.60	6.00
	BAE	CFJ
Nos.	J 30	J 40
W't per doz., lbs.	36	42
Per dozen	$8.40	12.00
	EJE	JGBJ

Dazey Churns are made to run as noiselessly and smoothly as a bicycle. With this churn every housekeeper can provide herself with fresh and absolutely pure butter of an excellent quality without trouble, and the buttermilk left after churning will be found to be a most refreshing and healthful drink. Directions for operating with each churn.

ONE-HALF DOZEN IN A CRATE.



Adjustable Dasher of White Maple, Heavily Tin Plated Dash Rod, Will Not Rust, Extra Heavily Tinned Receptacle, Made of Best Steel and Iron.

Nos.	1	2
Capacity, gal.	6	3
Churning capacity, gal.	1 to 4	¼ to 2
W't crtd., lbs.	35	15
Each	$7.50	4.50
	DEJ	BGJ

The powerful dasher of this churn, aided by the square corners of the receptacle, produces a scientific agitation, making it possible to churn in from two to five minutes. Working of butter is eliminated by the Dazey because the globules in building up their natural condition have squeezed out all the milk and formed into hard uniform sized grains. To wash off outside of grains is all that is necessary. Each churn has butter scoop.

CAN BE SHIPPED FROM FACTORY, ST. LOUIS, MO., AT SAME PRICES.

ONE IN A CRATE.

GLASS CHURNS.



Bowls of Extra Strong Flint Glass, Metal Parts Heavily Galvanized, Rust Proof, Sanitary, Compound Cut Gears of Hard White Metal, Easily Operated.

Nos.	15	25
Capacity, qts.	1	2
Size of jar, in.	6x4	7¼x4¼
Height over all, in.	12	13½
W't per doz., lbs.	55	67
Per dozen	$17.50	23.00
	AJEJ	ACHJ

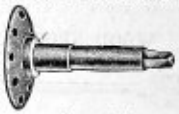
Nos.	35	45
Capacity, qts.	3	4
Size of jar, in.	8½x5½	9x6
Height over all, in.	14½	15
W't per doz., lbs.	91	102
Per dozen	$30.00	42.00
	AHJJ	BEBJ

Extra Glass Jars.

Nos.	J 15	J 25	J 35	J 45
W't, doz., lbs.	24	30	49½	65
Per dozen	$3.60	6.00	8.40	12.00
	BAE	CFJ	EJE	JGBJ

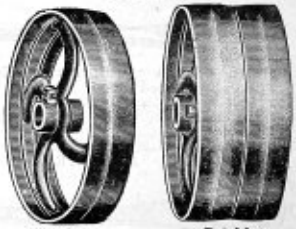
ONE DOZEN IN A BOX.

PULLEY SHAFTS.



12 in., w't per doz. 36 lbs., per dozen ..... GEE $9.00

PULLEYS FOR POWER CHURNS.



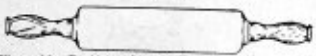
Single. Double.

12 in., w't per doz. 132 lbs., per dozen ..... AEAJ $18.00

12 in., w't per doz. 216 lbs., per dozen ..... CJBE $36.00

WOODEN WARE.

WHITE OPALITE ROLLING PINS



No. 18—Roller is pure opalite, snow white, sanitary and non-absorbent, revolves on polished hardwood handles, w't per doz. 30 lbs., per dozen .....**CIJ** $6.50

Positively the finest and best sanitary rolling pin in existence. One wipe with a damp cloth cleans it.

ONE DOZEN IN A BOX.

ROLLING PINS.



No. 11—12x2⅝ in., selected hard maple, oil finished, full size revolving plain handles, w't per doz. 25 lbs., per dozen .....**AEJ** $2.00



No. 12—12x2⅝ in., selected hard maple, oil finished, full size, revolving enameled handles, w't per doz. 27 lbs., per dozen .....**AHJ** $2.25

ONE DOZEN IN A CRATE.

JUVENILE ROLLING PINS.



No. 14—7x1¾ in., selected hard maple, oil finished, plain handles, w't per doz. 6 lbs. .....per dozen **JGJ** $1.20

ONE-HALF GROSS IN A BOX.



No. 2—Length 10 in., white wood, w't per doz. ½ lb. ....per dozen **DB** $0.70

ONE GROSS IN A BOX.

WOOD SPOONS.



Maple.			
Nos.	3	4	5
Length, in.	13	15	17
Per dozen	$0.90	1.00	1.25
	DB	**JEE**	**JFE**

ONE GROSS IN A PACKAGE.



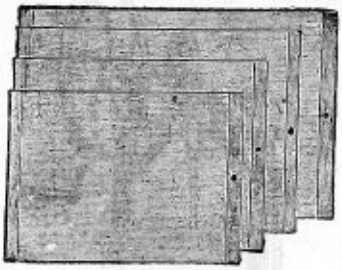
Imported	White Shaped Bowl.	Hollywood,	Egg
Nos.	93	94	
Length, in.	12½	14½	
W't per doz., lbs. ..	1	1½	
Per dozen	$2.00	2.50	
	ABJ	**AEJ**	



No. 96—Imported, white hollywood, egg shaped bowl, slotted, length 15 in., w't per doz. 1½ lbs.. per dozen .....**AEJ** $2.50

ONE DOZEN IN A PACKAGE.

PASTRY BOARDS.



Basswood.

Nos.	2	3	4	5
Size, in.	16x22	18x24	20x27	20x30
W't per doz., lbs.	50	60	80	90
Per dozen ..	$4.50	5.50	6.50	7.50
	CHJ	**DBJ**	**DHJ**	**EGJ**

ONE DOZEN IN A BUNDLE.

IDEAL PASTRY BOARDS.



No. 22—Size 21x22 in., w't per carton 35 lbs. .....per dozen **JIJJ** $15.00

The base or foundation over which the metal is securely bound, is composed of three ply veneer, the wood being laid with the grain of each piece crossed, and all solidly glued together under several tons pressure.

They are then immersed in pure boiled oil until filled, forming an indestructible base that will not warp, split or change under the severest climatic conditions.

ONE-HALF DOZEN IN A CORRUGATED CARTON.

MEAT BLOCKS.



No. 6—12x16x3⅞ in., hardwood, w't per doz. 48 lbs. .....per dozen **CCJ** $4.00

TWO DOZEN IN A BUNDLE.

POTATO MASHERS.



No. 3—Hardwood, plain handle, 10½ in., w't per doz. 11½ lbs., per dozen .....**JGE** $1.00

TWO DOZEN IN A CRATE.



No. 4—Hardwood, enameled handle, 10½ in., w't per doz. 8 lbs., per dozen .....**JHE** $1.10

TWO DOZEN IN A CRATE.

BUTTER MOULDS.

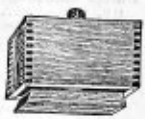


No. 10—1 oz., round, individual, w't per doz. 1 lb. .....per dozen **JFJ** $1.00
No. 10½—½ lb., round, w't per doz. 6 lbs. .....per dozen **ADJ** $1.75
No. 11—1 lb., round, w't per doz. 14 lbs., per dozen .....**AEJ** $2.25

NO. 10 LOOSE; BALANCE ONE DOZEN IN A CASE.



No. 41.



No. 50.

No. 41—1 lb., California pattern, square, brass hinges, w't per doz. 9 lbs., per dozen .....**CBJ** $4.25
No. 50—1 lb. brick, with handle and revolving stop, perfectly square sides, w't per doz. 12 lbs., per dozen .....**BAE** $5.00

ONE DOZEN IN A CASE.

SALT BOXES.



No. 7812—Blue decorated china, wood cover, lettered "Salt," size 6 x 4½ in., w't per doz. 18 lbs., per dozen..... **CFJ** $7.50

WOODEN WARE, ETC.

WOOD BOWLS.



Hard Maple.

Diam., in...	13	15	17	19
W't, doz., lbs.	25	30	50	70
Per dozen ...	$3.00	5.00	10.00	18.00
	BAJ	CCJ	FCJ	AJEJ

Nested, 15, 17 and 19 in., per single dozen .....JFFJ $11.00

NOS. 15, 17, 19 IN. AND NESTED, ONE-HALF DOZEN IN A CRATE; 13 IN., ONE DOZEN IN A CRATE.

VEGETABLE SLICERS.



No. 6 REVONOC—4½x12 in., corrugated steel blade, sliding steel gauge, w't per doz. 9 lbs....per dozen BAJ $4.50

For slicing apples, pears, bananas, potatoes, beets, cucumbers, turnips, radishes, carrots, cabbage, etc. Make dainty and attractive perforated flutings and Saratoga chips in various designs.

ONE GROSS IN A CASE.



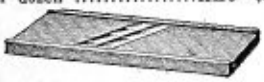
No. 0 REVONOC—3½x12 in., adjustable knife, w't per doz. 6 lbs., per dozen .....ABJ $2.00

ONE GROSS IN A CASE.

REVONOC SLAW CUTTERS.



No. 10 REVONOC—6¼x17 in., 1 knife, adjustable blade, w't per doz. 24 lbs., per dozen .....AHJ $3.50



No. 20 REVONOC—6¼x18 in., 2 knives, adjustable blades, w't per doz. 26 lbs., per dozen .....BEJ $5.00

ONE DOZEN IN A CRATE.

REVONOC KRAUT CUTTERS.



With Adjustable Knives and Sliding Box.

No. 25 REVONOC—8x24 in., 2 knives, w't per doz. 80 lbs., per dozen .....AJBJ $12.50

No. 30 REVONOC—8x24 in., 3 knives, w't per doz. 90 lbs., per dozen .....AADJ $15.55

No. 50 REVONOC—9x30 in., 3 knives, w't per doz. 120 lbs., per dozen .....BJDJ $30.00

No. 70 REVONOC—12x36 in., 3 knives, extra large, w't per doz. 180 lbs., per dozen .....CGBJ $48.00

NOS. 25 AND 30, ONE-QUARTER DOZEN; BALANCE, ONE-HALF DOZEN IN A CRATE.

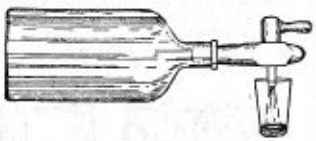
SPICE CABINETS.

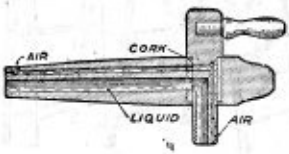


No. 8 — Hardwood, varnished, 8 stenciled drawers, height to shelf 12½ in., width 10½ in., depth 5 in., w't per doz. 80 lbs., per dozen FJJ $8.00

ONE-HALF DOZEN IN A CRATE.

AUTOMATIC FAUCETS.

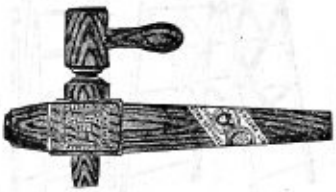




No. 021—Length 8 in., flow ⅜ in., w't per doz. 3 lbs...per dozen AEE $2.50

Made from timber that will not shrink, swell or split. Not oily or dirty to handle. No vent is necessary, the air being admitted through the faucet itself. When turned off the barrel is absolutely air tight. Contents cannot become contaminated, stale or sour.

CHICAGO WOOD FAUCETS.



Boiled in Gutta Percha, Cork Lined, Warranted.

Nos.	2	3	4	5
Length, in...	8	8½	9½	10½
W't, doz., lbs.	4	5	5½	6
Per dozen ...	$1.25	1.50	1.75	2.00
	JHJ	JIJ	AAJ	ABJ

REVONOC WOOD FAUCETS.



Nos.	52	53	54
Size	2	3	4
Length, in.	8	9	10
Flow	⅛	7/32	¼
Per dozen ...	$1.50	1.75	2.00
	JIJ	AAJ	ABJ
Nos.		55	56
Size		5	6
Length, in.		11	12
Flow		⅜	5/8
Per dozen ...		$2.50	3.00
		AEJ	AHJ

CEDAR FAUCETS.



Length, in.	8	9
W't per doz., lbs.	3½	3¾
Per dozen	$1.25	1.70
	JHJ	JIE

ONE DOZEN IN A BOX.

BLOCK TIN KEY FAUCETS.



DUPLEX, Maple Wood, Sole Leather Lined.

Nos.	0	1	2
Length, in.	7½	9	12
W't per doz., lbs.	5	7	10
Per dozen ...	$3.50	4.50	5.00
	ADE	AHJ	BAJ

LOOSE.



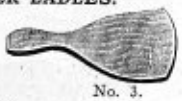
PEERLESS, Maple Wood, Sole Leather Lined.

Nos.	10	11
Length, in.	7½	9
W't per doz., lbs.	5	7
Per dozen ...	$3.50	4.50
	CJJ	CFJ

ONE DOZEN IN A BOX.

WOODEN WARE.

BUTTER LADLES.



No. 3.



No. 6.

No. 3—White maple, polished, w't per doz. 1¼ lbs. .....per dozen **E J** $0.80
No. 6—White maple, w't per doz. 3½ lbs. .....per dozen **J I J** $1.50

BUTTER SPADES.



No. 16. No. 11

No. 16—3x10 in., hardwood, smooth, machine cut grooves, w't per doz. 1¾ lbs., per dozen .....**E E** $0.90
No. 11—4x12 in., hardwood, w't per doz. 2¾ lbs. .....per dozen **J F E** $1.00
Desirable for the handling of lard, berries, etc.

X GRADE TAPERED CORKS.



Regular Length.			
Nos.	10	12	14
Diam. of top, in.	1	1⅛	1¼
Per gross	$1.15	1.35	1.70
	J D B	**J D H**	**J F J**
Nos.	16	18	20
Diam. of top, in.	1⅛	1½	1⅝
Per gross	$2.15	2.80	3.45
	J H J	**A J J**	**A B J**

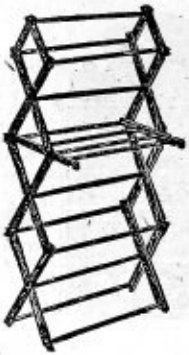
Assorted, Nos. 11 to 20, length 1⅛ to 1⅝ in., w't per gro. 2¼ lbs., per gross .....**J H J** $2.18
Assorted, Nos. 2 to 10, length ½ to 1 in., w't per gro. 2¼ lbs., per gross .....**C J** $0.65
These corks taper about ¼ inch.
ONE GROSS IN A PACKAGE. WE DO NOT BREAK PACKAGES.

HANDY BOXES ASSORTED CORKS.

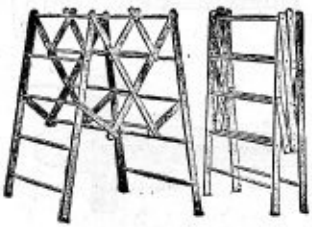


No. 100—Assorted corks to fit 1 and 2 oz. medicine bottles and gallon jugs, per dozen boxes .....**J I J** $1.50
Specially selected for family use.
TWELVE BOXES IN A CARTON. WE DO NOT BREAK CARTONS.

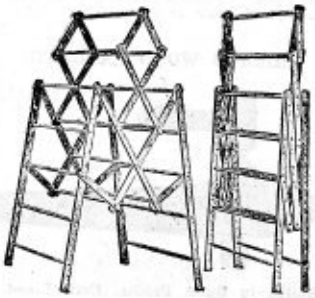
CLOTHES BARS.



No. 10—Northwestern, hardwood, adjusted to two heights, to 5 and 6½ ft., 14 rods 3 ft. long, 31 ft. of hanging surface, w't per doz. 140 lbs., per dozen .....**J I I J** $12.00
SIX OR ONE-QUARTER DOZEN IN A BUNDLE.

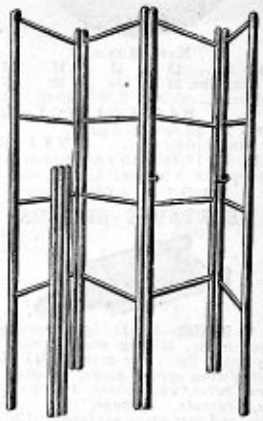


No. 2—Rome City, basswood, smooth, 4 ft. 6 in. high, 16 rods 2 ft. 10 in. long, 44 ft. of hanging surface, w't per doz. 115 lbs., per dozen .....**J I C J** $12.50
ONE-QUARTER DOZEN IN A BUNDLE.



No. 1—Rome City, basswood, smooth, 5 ft. 3 in. high, 19 rods 2 ft. 10 in. long, 54 ft. of hanging surface, w't per doz. 132 lbs., per dozen .....**A J B J** $15.00
SIX OR ONE-QUARTER DOZEN IN A BUNDLE.

CLOTHES BARS.



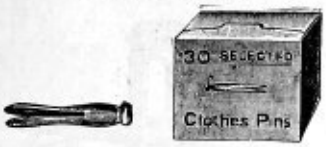
Hardwood with Pressed Steel Caps Forming Hinges, Close Folding.

Nos.	H't. ft.	Sections.	Length, Bars. in.		Per dozen.
15	3	3	9	24	**D H J** $8.00
16	4	3	9	30	**J G B J** 12.00
17	5	4	16	30	**A J H J** 18.00

THREE IN A CASE.

WOODEN WARE.

CLOTHES PINS.



No. 8. No. 10.

No. 8—Standard, 5 gross in a case, w't 21 lbs. .....per case **JIE** $1.00

No. 10—Standard, selected, 24 in a carton, 24 cartons in a case, w't 20 lbs., per case .....**AAJ** $1.50



No. 2—Spring, ¼ gross in a box, w't 1 lb. .....per gross **JDE** $1.50

TOWEL ROLLERS.



No. 30—Hardwood, oil finished, wrought steel brackets, steel pivots, 1x18 in. roll, w't per doz. 9 lbs., per dozen .....**ABJ** $2.25

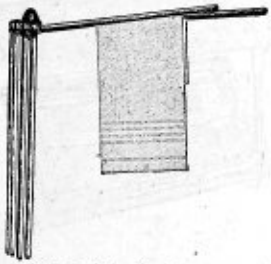
ONE DOZEN IN A PASTEBOARD BOX.



No. 1—Cherry, varnished and polished, lacquered brackets, 1¾x19 in. roll, w't per doz. 24 lbs., per dozen **DBJ** $6.00

ONE DOZEN IN A CRATE.

TOWEL BARS.

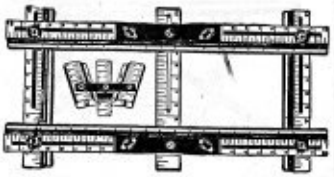


12 Feet Drying Space.

No. 4—6 hardwood arms 2 ft. long, all one piece, japanned iron brackets, w't per doz. 12 lbs., per dozen **CFJ** $6.00

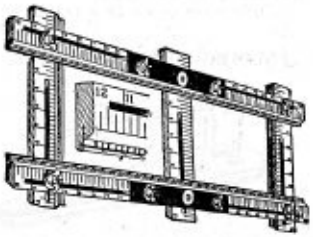
ONE DOZEN IN A CARTON

CURTAIN STRETCHERS.



With Center Bar, Will Not Sag.

No. 1—6x12 ft., ¾x2 in., basswood strips, brass pins, 2 in. apart marked in inches and quarters, adjustable for curtains from 36x72 in. to 62x134 in., folds compactly, w't per doz. 110 lbs., per dozen .....**AJBJ** $15.00



With Adjustable Pins.

No. 13—6x12 ft., 1x2 in. stock, made with measuring rule, stamped steel plate hinges, triple nickel plated brass pins, has adjustable center bar and positively cannot sag, w't per doz. 110 lbs...per dozen **AEFJ** $25.00

ONE-QUARTER DOZEN IN A CRATE.

No. 23—Has strong easel, w't per doz. 120 lbs., otherwise same as No. 13, per dozen .....**AHJJ** $28.00

ONE-QUARTER DOZEN IN A CRATE.

EXTRA BOLTS FOR CURTAIN STRETCHERS.



¼x1½ **in.**, with wing nut, per dozen .....**CJ** $0.50

¼x2¼ **in.**, with wing nut, per dozen .....**CJ** .50

STEP LADDER CHAIRS.



No. 50—Maple, varnished, height as a chair 18 in., height as a ladder 36 in., w't per doz. 135 lbs., per dozen .....**AFHJ** $33.00

ONE-SIXTH DOZEN IN A BUNDLE.

STEP LADDER STOOLS.



No. 58—Top 11 in. in diam., stands 24 in. high when open, made entirely of hardwood, natural oil finish, workmanship first class throughout, shipping w't per doz. 108 lbs., per dozen .....**ABFJ** $24.00

Can be opened with one hand, takes up small space when closed. Very convenient for use in pantries, closets, etc.

ONE-SIXTH DOZEN IN A BUNDLE.

MONEY DRAWERS.



Thirty-three Changes in Combination.
Hardwood, Varnished Front, Size 18x18½x5½ Inches, W't per Dozen 130 Lbs.

No. 1—With bell, per doz. **AFHJ** $25.00

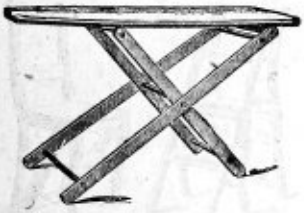
No. 6—With Cathedral Gong, per dozen .....**AGDJ** $27.00

The cathedral gong is the same as used in clocks, and has a deep tone which can be heard at a distance; the front board of both numbers is square, with moulded edge, and covers the side supporting slide from view. The inside edges are rounded and finished smooth

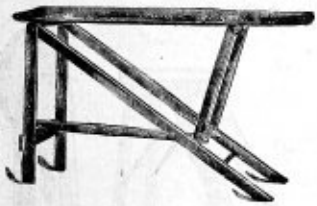
ONE-HALF DOZEN IN A CRATE.

WOODEN WARE.

IRONING TABLES.

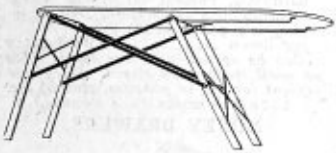


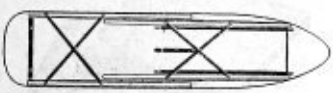
No. 50—Basswood, lift top, 53x15 in., folding rock elm legs, strongly braced, height 32 in., w't per doz. 215 lbs., per dozen .....AADJ $15.00



No. 55—Basswood, 57x15 in. top, folding hardwood legs, strongly braced, folds up very compactly, w't per doz. 240 lbs. .....per dozen AEJJ $21.00

IRONING TABLES.





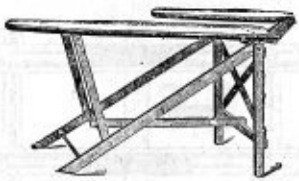
No. 59—Full length 5 ft., width 15 in., top large well shaped, built up from narrow pieces, taper dovetailed and glued together, much stronger than solid board, legs of well machined birch, ironwork black enameled, extra strong, w't per doz. about 216 lbs., per dozen .....AHJJ $30.00

This ironing table has ample room at the end to iron a skirt and will not tip from weight at the small end. When folded it is only three inches thick, and the sub-structure is entirely under and within the area of the top.

It is strong, light, simple and compact. Guaranteed not to warp or twist.

ONE-SIXTH DOZEN IN A CRATE.

IRONING TABLES.



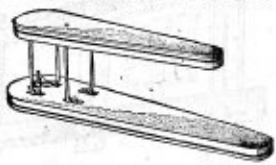
No. 56—Basewood top board, 15x58 in., hardwood legs, height 32 in., 24 in. hardwood sleeve board, width 4¾ in., tapering to 2½ in., w't per doz. 275 lbs. .....per dozen AHFJ $35.00

When in use, both ironing and sleeve boards are very rigid. Legs will not collapse when raising ironing board to put on skirt.

Sleeve board is securely fastened to ironing board with screws and bolts, and when not in use can be thrown back over end of ironing board.

ONE-THIRD DOZEN IN A CRATE.

FOLDING SLEEVE BOARDS.





No. 1—Special, top 4½x13¼x20 in., base 5½x2x22 in., basswood, heavily tinned steel wire standards fastened to board with steel brads and barbed nails, w't per doz. 25 lbs., per dozen .....DHJ $6.50

When board is thrown into position to use, thumb screw is simply given a half turn by the user, which locks the two boards into firm position. Cannot sway or wabble when in use, and when not in use may be folded up.

SKIRT OR IRONING BOARDS.



Basswood.

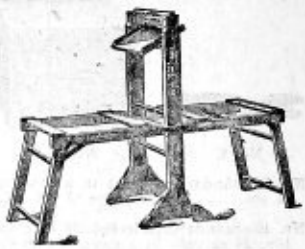
No. 4½—4½ ft., w't per doz. 75 lbs., per dozen .....EGJ $8.00

No. 5—5 ft., w't per doz. 95 lbs., per dozen .....FFJ $9.00

No. 6—6 ft., w't per doz. 135 lbs., per dozen .....JIJJ $12.00

ONE-HALF DOZEN IN A BUNDLE.

WASH BENCHES.



No. 60—Folding, hard maple, varnished, for 10, 11 or 12 in. wringers, folds up very compactly, w't per doz. 220 lbs., per dozen .....BAHE $34.00

ONE-QUARTER DOZEN IN A CRATE.

FOLDING TABLES.



No. 5—Ash, hardwood turned legs, varnished top, with yard measure, 18x36 in., height 25 in., w't per doz. 175 lbs. .....per dozen AJHJ $15.00

ONE-HALF DOZEN IN A CRATE.



No. 14—Card, ash, turned legs, varnished top, hardwood spring, 24x32 in,. height 28 in., w't per doz. 235 lbs. .....per dozen AEFJ $24.00

ONE-HALF DOZEN IN A CRATE

BASKETS, HAMPERS AND MONEY DRAWERS.

DINNER BASKETS.



No. 8—11½x7½x4½ in., diamond school or dinner, birch, w't per doz. 5 lbs., per doz. **EE** $0.75

ONE-HALF DOZEN IN A BUNDLE.

MARKET BASKETS.



Common Diamond, Birch, Elm Handles.
No. 10—10 qt., size 14½x8½x5 in., w't per doz. 8 lbs. ....per dozen **FJ** $0.90
No. 16—16 qt., size 17x12x6½ in., w't per doz. 12 lbs. ...per dozen **FE** $0.90



Extra Diamond, Rock Elm, Riveted Handles.
No. 20—16 qt., size 17x12x6½ in., w't per doz. 15 lbs...per dozen **AAJ** $1.75
No. 24—24 qt., size 20x12x7½ in., w't per doz. 19 lbs. ....per dozen **ACJ** $2.25



Common Drop Bail, Birch.
No. 26—16 qt., size 17x12x6½ in., w't per doz. 12 lbs.....per dozen **FJ** $0.90



Extra Strapped, Drop Bail, Rock Elm, Heavy Bent Hoops.
No. 28—16 qt., size17x12x6½ in., w't per doz. 14 lbs.....per dozen **JIE** $1.25

ONE-HALF DOZEN IN A BUNDLE.

PICNIC BASKETS.



Extra Diamond, Rock Elm Covered, Drop Bails.
No. 12—16 qt., size 17x12x6½ in., w't per doz. 20 lbs. .....per dozen **BAE** $3.50

ONE-THIRD DOZEN IN A BUNDLE.
WE DO NOT BREAK BUNDLES.

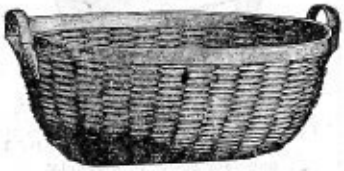
RATTAN DELIVERY BASKETS.



Rock Elm Standards, Slab Rattan Filling, Three Shoes Securely Nailed On, Ironed with Two Straps Extending from Hoop to Hoop.

Nos.	4	5
Bushels	1½	2
Size, in.	24x14x9	27x15x10
W't per doz., lbs.	50	60
Per dozen	$12.00	15.00
	JFJJ	**JFFJ**

CLOTHES BASKETS.



Rock Elm Splint, Oval Wood Bottom.

Nos.	1	2
Size, in.	28x17½x11	30x18x11
W't per doz., lbs.	45	50
Per dozen	$9.00	10.50
	EEJ	**JFCJ**

No.	3
Size, in.	32x20x11
W't per doz., lbs.	60
Per dozen	$12.50
	JFIJ



Willow.

Size	Small	Medium	Large
Size, in.	26x17x10	29x19x11	32x19x13
W't, doz., lbs.	32	43	51
Per dozen	$11.00	13.50	16.00
	JIBJ	**AJAJ**	**AAAE**

ONE DOZEN IN A BUNDLE.

DIAMOND CLOTHES BASKETS.



Extra Quality, Rock Elm Standards, Yokes on Outside Protect Bottom, Sawed Elm Hoops Inside, All Large Holes Formed in Braiding are Filled With Splices Which Add to Lasting Qualities.

Nos.	21	22
Size, in.	18x25½x11	19½x28x12
W't per doz., lbs.	38	42
Per dozen	$6.00	7.25
	CFJ	**DBJ**

HAMPERS.



Plain, Soft Peeled Willow, Two Side Handles.

No. 1000—Nest, consisting of one each, Nos. 1001, 1002 and 1003, w't per nest 34 lbs. .....per nest **JIJJ** $10.50

No. 1001—Square, wood bottom, size 15x17x22½ in., w't per doz. 99 lbs., per dozen .....**BHHJ** $36.00

No. 1002—Square, wood bottom, size 18x20x25½ in., w't per doz. 144 lbs., per dozen .....**CFJJ** $46.00

No. 1003—Square, wood bottom, size 20x23x28 in., w't per doz. 160 lbs., per dozen .....**DDDJ** $56.00

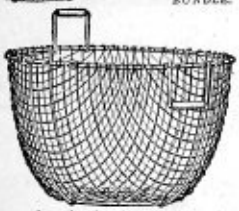
MEASURES AND BASKETS.

WIRE VEGETABLE BASKETS.



½ bu., galvanized wire No. 15, frame No. 6 wire, with bail, w't per doz. 33 lbs., per dozen...JFJJ $10.00

TWO DOZEN IN A BUNDLE.



1 bu., galvanized wire No. 14, frame of No. 4 wire, drop handle wood grip, w't per doz. 54 lbs., per dozen.....JIJJ $17.50

These are galvanized after made.

ONE DOZEN IN A BUNDLE.

GALVANIZED BASKETS.



Rope Handles, Double Bottom, Closely Riveted, Deep Corrugations.

Bushels	1	1½	2
W't doz., lbs..	76	90	110
Per dozen	$19.50	21.50	25.50
	AJEJ	ABJJ	ADDJ



CRUSO.

Bushels	½	1	1½
Style of handle	Bail	Side	Side
W't doz., lbs..	40	66	83
Per dozen	$10.00	12.00	15.50
	JCIJ	JFJJ	JHAJ

ONE-HALF DOZEN IN A BUNDLE.

GRAIN BASKETS.



Narrow Band, Stave.

Bushels	½	1
Style of handle	Bail	Side
W't per doz., lbs.	24	40
Per dozen	$2.00	2.25
	AEJ	AGE

ONE-HALF DOZEN IN A BUNDLE.



Wide, Band, Stave, Side Handles.

Bushels	1	1½	2
W't per doz., lbs...	42	50	72
Per dozen	$3.00	4.00	6.00
	BAE	BHE	DCJ

ONE-HALF DOZEN IN A BUNDLE.



BRIGG'S, Oak Stave, Galvanized Iron Hoop, Side Handles.

Bushels	½	1	1½
Style of handle	Bail	Side	Side
W't per doz., lbs...	35	50	56
Per dozen	$4.60	5.00	6.00
	CCJ	CFJ	DFE

ONE-HALF DOZEN IN A BUNDLE.

GRAIN BASKETS.



RACINE, Rock Elm Stave, Side Handles.

Bushels	1	1½	2
W't per doz., lbs...	44	55	85
Per dozen	$5.00	6.00	8.00
	BGJ	CEJ	EAJ

ONE-HALF DOZEN IN A BUNDLE.



Double Elm Splint, Side Handles.

Bushels	2	3	4
W't doz., lbs..	68	85	100
Per dozen	$11.00	13.00	15.00
	JFFJ	JHAJ	JIIJ

ONE-HALF DOZEN IN A BUNDLE.

MEASURES.



½ Bu., Bail and Side Handles.

No. 222—Cruso, Japanned, w't per doz. 40 lbs.....per dozen CJJ $5.00

No. 333—Galvanized, w't per doz. 42 lbs., per dozn .....DEJ $7.25

ONE-HALF DOZEN IN A BUNDLE.



Wood.



Galvanized Iron.

Wood Iron Bound.

Capacity	½ pk.	1 pk.	½ bu.
W't per doz., lbs...	20	30	52
Per dozen	$3.00	3.50	4.00
	AGE	BDJ	BIJ

Galvanized Iron.

No.	20	21	22½
Capacity, pk.	½	¼	1
W't per doz., lbs....	13	20	23
Per dozen	$3.75	5.00	6.00
	BJJ	BDJ	BIJ

ONE-HALF DOZEN IN A BUNDLE.

MEASURES AND TUBS.

DRY MEASURES.



Standard Galvanized.

Capacity	**1 Qt.**	**¼ Pk.**	**½ Pk.**
Inside Dimen..	5¾x3	6¾x3½	8½x4¼
Capacity	**1 Pk.**		**½ Bu.**
Inside Dimen.	11x5½		14x7

No. 25—W't per doz. nests 132 lbs., per dozen nests ..... AFHJ $22.00

Nests consist of one each 1 qt., ¼ pk., ½ pk., 1 pk. and ½ bu. Sold in nests only.

CRATED IN SINGLE NESTS.

STANDARD DRY MEASURES.

No. 95—½ pk., inside dimen. 8½x4¼ in., w't per doz. 24 lbs., per dozen ..... CBJ $4.00

No. 105—1 pk., inside dimen 11x5½ in., w't per doz. 36 lbs., per dozen ..... DEJ $6.00

No. 115—½ bu., inside dimen. 14x7 in., w't per doz. 64 lbs., per dozen ..... FFJ $8.50

In ½ doz. crates.

WOOD TUBS.



IXL.

Nos.	**2**	**1**	**Ex. large**
Diam., in.	20¼	23¼	24½
Height, in. ...	11	11½	13
W't, doz., lbs.	114	138	162
Per dozen	**$13.00**	**16.00**	**19.00**
	JGHJ	**AJBJ**	**ABJJ**

ONE-HALF DOZEN IN A BUNDLE.



Cedar, All Clear Inside, Electric Welded Wire Hoops.

Nos.	**2**	**1**	**Ex. large**
Diam., in.	21	23	24
Height, in. ...	10	11	12½
W't, doz., lbs.	125	155	190
Per dozen	**$12.00**	**13.50**	**18.00**
	AJHJ	**ABAE**	**AFBJ**

ONE-HALF DOZEN IN A BUNDLE.

REVONOC GALVANIZED TUBS.



REVONOC

Extra Heavy IXXXX.

Nos.	**150S**	**250S**	**350S**
W't, doz., lbs.	112	126	136
Per dozen	**$17.00**	**19.00**	**21.00**
	AJBJ	**AADJ**	**ABFJ**

REVONOC *galvanized ware represents the highest standard possible to attain from point of design, durable construction and beautiful galvanized effect. The material used throughout is the best that can be purchased. Trimmings are especially strong and attractive. Will last twice as long as the ordinary kind.*

ONE-HALF DOZEN IN A BUNDLE.

CRUSO GALVANIZED TUBS.



CRUSO.

26 Gauge Iron, Red Banded.

Nos.	**10S**	**20S**	**30S**
Diam., in.	20¼	22¾	24½
Height, in. ...	10½	11	11
W't, doz., lbs.	100	110	124
Per dozen	**$18.00**	**20.00**	**22.00**
	JHGJ	**JIIJ**	**AAAJ**

ONE-HALF DOZEN IN A BUNDLE.



CRUSO.

26 Gauge Iron, Red Banded, with Wringer Attachment.

Nos.	**100S**	**200S**	**300S**
Diam., in.	20¼	22¾	24½
Height, in. ...	10½	11	11
W't, doz., lbs.	110	124	136
Per dozen	**$19.50**	**21.50**	**23.50**
	JICJ	**AJEJ**	**AAGJ**

ONE-HALF DOZEN IN A BUNDLE.

GALVANIZED TUBS.



Nos.	**0**	**1**
Diam., in.	18½	20
Height, in.	10	10
W't per doz., lbs.	70	85
Per dozen	**$10.00**	**11.50**
	JDIJ	**JEIJ**

Nos.	**2**	**3**
Diam., in.	22	24½
Height, in.	10½	11
W't per doz., lbs.	95	105
Per dozen	**$12.50**	**14.00**
	JFHJ	**JGHJ**

These sizes do not correspond with sizes of wood tubs.

ONE-HALF DOZEN IN A BUNDLE.



Galvanized Iron, with Wringer Attachments Riveted to Side.

Nos.	**11**	**22**	**23**
Diam., in.	20½	22¾	24½
Height, in. ...	10½	11	11
W't, doz., lbs.	96	108	120
Per dozen	**$13.50**	**14.50**	**16.00**
	JFFJ	**JGHJ**	**JIJJ**

ONE-HALF DOZEN IN A BUNDLE.

INDURATED TUBS.



For Domestic Science Use.

No. 63—Size 3, 9½x18 in., w't per doz. 148 lbs. .....per dozen **AFHJ** $18.00

ONE-QUARTER DOZEN IN A CRATE.

MOP WRINGERS.

MOP WRINGERS.



REVONOC

No. 87 REVONOC—Heavy pressed steel, wrings all mops 16 oz. and smaller, w't per doz. 88 lbs., per doz. **ABFJ** $21.00

ONE-HALF DOZEN IN A CRATE.



REVONOC

Heavy Pressed Steel, Galvanized After Assembling, Hardwood Handle.

Nos.	88	89
W't per doz., lbs.	160	190
Wring mops up to, oz...	20	20 to 36
Per dozen	$28.00	40.00
	AFHJ	**BDJJ**

Note the strong bands extending from one side of the wringer to the other and pressing against inside of pail, also the flanges on each side that bear on outside of a wooden pail. These features protect the lightest pail (metal or wood) from injury. Fits any pail.

ONE-HALF DOZEN IN A CRATE.

PERFECTION MOP WRINGERS.



No. 5. No. 0.

Malleable Iron Japanned Frame, Wood Handle and Pressure Boards.

No. 3—Family size, opening 7x3½ in., wrings 8 to 16 oz. mops, w't per doz. 120 lbs. .....per dozen **AGAJ** $21.00

No. 1—Hotel size, opening 7½x4½ in., wrings 16 to 24 oz. mops, w't per doz. 135 lbs. .....per dozen **AIDE** $24.00

No. 0—Extra large, opening 8½x5½ in., wrings 24 to 34 oz. mops, w't per doz. 173 lbs. .....per dozen **BEBJ** $30.00

No. 5—Hotel size, opening 7½x5 in., wrings Nos. 1 and 4 round mops, w't per doz. 150 lbs., per dozen .....**AIDE** $24.00

ONE-THIRD DOZEN IN A CRATE.

MOP WRINGERS.

Built on Same Principles as Clothes Wringers.



No. 13—All steel, casters, crank, holds ordinary pail, w't per doz. 180 lbs., per dozen .....**BAJJ** $33.00

ONE-QUARTER DOZEN IN A CRATE.



No. 16—Steel frame, crank, can be used on most any pail, w't per doz. 120 lbs., per dozen .....**ADDJ** $21.50

ONE-QUARTER DOZEN IN A CRATE.

MOP WRINGERS.



No. 19—14 qt. pail, steel frame, crank, heavy cedar horse pail, w't per doz. 188 lbs. .....per dozen **BAJJ** $33.00

A favorite for barber shops, fruit stores, etc. Wringer and pail are always together.

ONE-QUARTER DOZEN IN A CRATE.



No. 21—12 qt. cedar pail, steel frame, crank, w't per doz. 156 lbs., per dozen .....**AHJJ** $28.00

Light and easy for a woman to handle. A good wringer for either house or elsewhere.

Wringer is same as No. 19.

ONE-QUARTER DOZEN IN A CRATE.

MOP WRINGERS.



No. 30—14 qt. cedar pail, electrically welded hoops, maple rollers with steel axles, tempered steel springs, steel treadle, malleable iron guide plates and foot holder, with bail, w't per doz. 156 lbs., per dozen **AEFJ** $30.00

No. 32—22 qt., janitor's size mop wringer, w't per doz. 232 lbs., otherwise same as No. 30, per doz. **BJDJ** $35.00

NO. 30, ONE-THIRD DOZEN; NO. 32, ONE-QUARTER DOZEN IN A CRATE.

PAILS, WELL BUCKETS AND TUB HOOPS.

GALVANIZED PAILS.



Regular, Water.

Nos.	8	10	12	14
Quarts	8	10	12	14
W't per doz., lbs.	20	22	25	27
Per dozen.	$7.00	8.00	9.00	10.00
	AHE	BAJ	BCE	JBFE



No. 1312-S—Size 11x10 in., capacity 12 qts., w't per doz. 30 lbs., per dozen ..... JCBE $10.50

No. 1314-S—Size 11½x10½ in., capacity 14 qts., w't per doz. 34 lbs., per dozen ..... JCFJ $12.00

These pails are made of material heavier than the regular galvanied pail. They are far more superior in quality than the regular so-called Light Galvanized Pails.



Extra Heavy, Water.

Nos.	1512	1514
Quarts	12	14
W't per doz., lbs.	42	48
Per dozen	$11.50	13.00
	JDJJ	JDCJ



Water, 26 Gauge Iron, Galvanized, Red Banded.

No. 512-S—Cruso, 12 qt., size 11½x9½ in., w't per doz. 40 lbs., per dozen ..... JDBJ $12.00

No. 514-S—Cruso, 14 qt., size 14¾x10¼ in., w't per doz. 45 lbs., per dozen ..... JDEE $13.50

ONE DOZEN IN A BUNDLE.

GALVANIZED PAILS.



REVONOC

26 Gauge Iron, Red Banded, Wood Grip Bail.

Nos.	6120	6140	6160
Size, in.	11x9½	11½x9¾	12x10½
Capacity, qts.	12	14	16
W't, doz., lbs.	40	41	45
Per dozen	$8.00	8.50	9.00
	DHJ	EAJ	EDJ



Cruso Stock.

Nos.	1	2	3	4
Quarts.	14	16	18	20
W't, doz., lbs.	36	36	46	48
Per doz.	$12.00	13.00	14.00	16.00
	JCHJ	JDBJ	JDHJ	JEEJ

ONE DOZEN IN A BUNDLE.

FIRE PAILS.



Cruso Grooved Edge, Round Bottom.

Nos.—Cruso	212	214
Quarts	12	14
W't per doz., lbs.	24	28
Per dozen	$10.00	11.00
	JCFJ	JCIJ

ONE DOZEN IN A BUNDLE.

CEMENT PAILS.



No. 147 REVONOC—Galvanized, 14 qt., w't per doz. 78 lbs., per doz. JIFJ $20.00

ONE-HALF DOZEN IN A BUNDLE.

WELL BUCKETS.



REVONOC Well, 26 Gauge Iron, Galvanized, Red Banded.

No. 102-S REVONOC—10 qt., w't per doz. 38 lbs. ..... per dozen DBJ $9.00

No. 122-S REVONOC—12 qt., w't per doz. 43 lbs. ..... per dozen JDEJ $10.00

ONE-HALF DOZEN IN A BUNDLE.



Cruso Well, Galvanized Iron.

Nos.—Cruso	101	121
Quarts	10	12
W't per doz., lbs.	25	29
Per dozen	$7.00	7.50
	CJJ	CCJ



Oak, Wrought Iron Riveted Top Ears.

No. 1—"O. K.," 2¾ gal., plain bail, per dozen...DHJ $8.00

AVERAGE W'T 96 LBS. PER DOZEN.



Oak, Side Strap Ears Passing under Middle Hoops.

No. 3—U. S., 2¾ gal., plain bail, per dozen...DIJ $8.20

AVERAGE W'T 96 LBS. PER DOZEN.

E. Z. REPAIR TUB HOOPS.



No. 12—⅜ in. hoop steel, rolled flaring, long enough to fit the largest size tubs, spring wire link attached to one end of hoop, adjustable to any size, w't per box 20 lbs., per box ..... AHJ $3.00

See the link! Every link is a powerful spring.

TWO DOZEN IN A BOX; WE DO NOT BREAK BOXES.

PAILS, WATER KEGS AND BAGS.

WOODEN PAILS.



IXL.

No. 3—3 wire hoops, w't per doz. 40 lbs., per dozen .....**BGJ** $4.50

The capacity of an ordinary wood pail is about 11 quarts.

ONE DOZEN IN A BUNDLE.



Brass Hoops.

No. 25—3 hoop, mixed and striped, size 2, w't per doz. 45 lbs., per dozen .....**AJBJ** $11.50

No. 27—3 hoop, red cedar, size 2, w't per doz. 44 lbs. ....per dozen **ACHJ** $15.50

Capacity about 11 quarts.

ONE-HALF DOZEN IN A BUNDLE.

WATER KEGS.



No. 10—10 gal., railroad, oak, 6 hoops, hinged lid, solid side handles, varnished, w't per doz. 200 lbs., per dozen .....**AHJJ** $22.50

HORSE PAILS.



Horse or Foundry.

No. 53—J. I. C., oak, 3 extra heavy steel hoops, ⅞ in. iron bail, wrought iron ears and side straps, fastened with riveted bands, flush bottom, w't per doz. 100 lbs. ....per dozen **FCJ** $7.15

ONE-HALF DOZEN IN A BUNDLE.

INDURATED FIBRE PAILS.



No. 40.



No. 45.

No. 40—Star, standard size, 12 qt., flush bottom, w't per doz. 46 lbs., per dozen .....**CCJ** $3.00

No. 45—12 qt., fire, round bottom, w't per doz. 42 lbs., per dozen **FFJ** $7.00

ONE-HALF DOZEN IN A CRATE.

INDURATED FIBRE SPITTOONS.



No. 2—12 in., loose top, w't per doz. 40 lbs. .....per dozen **FIJ** $7.20

ONE-HALF DOZEN IN A CRATE.

HARVEST KEGS.



Four Heavy Hoops, with Handle.

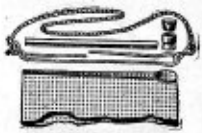
Gallons	1	2	3
W't per doz., lbs.	40	60	85
Per dozen	$4.50	6.25	8.75
	DHJ	**FCJ**	**GBJ**

5 gal., 6 heavy hoops, w't per doz. 125 lbs. .....per dozen **ABFJ** $13.75

1, 2 AND 3 GALLON, ONE-HALF DOZEN; 5 GALLON, ONE-THIRD DOZEN IN A BUNDLE.

SANITARY WATER BAGS.





Egyptian.

Nos.	7	8
Dimensions, in.	9x12	15x12
Capacity, gal.	1	2½
W't per doz., lbs.	9½	13
Per dozen	$14.00	18.00
	JIJJ	**ABJJ**

Nos.	10	9
Dimensions, in.	20x12	24x15½
Capacity, gal.	3½	5
W't per doz., lbs.	16½	22
Per dozen	$25.00	28.00
	AGDJ	**BAFJ**

Auto Motor.

Nos.	17	18
Dimensions, in.	9x12	15x12
Capacity, gal.	1	2½
W't per doz., lbs.	9½	13
Per dozen	$13.50	18.00
	JIJJ	**ABJJ**

Saturate well before using.

Constructed with steel wire holder and sliding clamp which securely fastens the spout and completely seals the open end of the bag.

These bags are made of material having the peculiar property of holding water and yet exuding enough moisture to prevent the sun from having any effect on the water inside.

Hang the bag in the air.

The material allows the water to evaporate slightly. Notice a drop of water on the outside of the bag continually. The constant exudation and evaporation keeps the water inside the bag cool and palatable.

First and second time filling, water will evaporate quite rapidly, after which bag is in condition to hold water indefinitely. Some evaporation is necessary to keep water fresh.

Guaranteed to keep water cool for forty-eight hours.

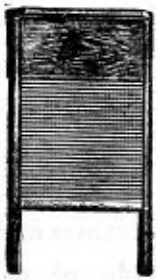
Clamp, holder and spout can be instantly removed for cleaning and the bag turned inside out. All metal parts are galvanized.

WASH BOARDS.



No. 1—Lily Lake, single, fancy crimp, 5⅞x7¾ in., used in a common pail or small keeler, w't per doz. 17 lbs., per dozen .....**ACJ** $2.30

ONE DOZEN IN A BUNDLE.

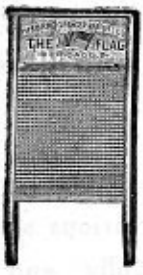


No. 2.

No. 2—Globe crimp, single zinc, plain crimp, 10x10½ in., w't per doz. 25 lbs., per dozen .....**BIJ** $4.80



No. 6.



No. 10.

No. 6—Globe, hardwood frame, single zinc, globe crimp, protected top, ventilated back, 10x10½ in., w't per doz. 33 lbs. .....per dozen **CFJ** $5.30

No. 10—Flag, double zinc, globe crimp one side, plain on other, 10x10½ in., w't per doz. 36 lbs., per dozen .....**DHJ** $5.80



No. 12—Best, double zinc, globe crimp one side, plain on other, 11x10⅞ in., w't per doz. 37 lbs., per dozen .....**EDJ** $6.30



No. 14—Banner, double, pencil crimp, one piece heavy zinc, both sides exposed for use, 10x11½ in., w't per doz. 33 lbs. .....per dozen **EAJ** $5.80



No. 25—Globe crimp, single zinc, family size, 12x13 in., w't per doz. 41 lbs., per dozen .....**DHJ** $6.50

No. 35—Globe crimp, double zinc, family size 12x13 in., w't per doz. 45 lbs., per dozen .....**GIJ** $8.50

No. 26—Globe crimp, single zinc, laundry size, 14½x13 in., w't per doz. 45 lbs. .....per dozen **FCJ** $9.00

ONE-HALF DOZEN IN A BUNDLE.



Nos. 802 to 450.

No. 802—Brass Jr., single spiral crimp, 10½x10 in., back braced with three wood rods, w't per doz. 23 lbs., per dozen .....**DAJ** $5.30

No. 430—Brass Chief, single spiral crimp, braced with four wood rods, 11½x10⅜ in., w't per doz. 30 lbs., per dozen .....**DFJ** $6.50

No. 450—Brass Chief, 11½x12 in., back braced with five wood rods, w't per doz. 32 lbs., otherwise same as No. 430 .....per dozen **EFJ** $7.30



No. 420.

No. 420—Enamel Chief, single, wave crimp, blue enamel, 12¼x11 in., w't per doz. 39 lbs., per dozen **DHJ** $6.80

ONE-HALF DOZEN IN A BUNDLE.

REV-O-NOC GLASS BOARDS.



No. 410 REV-O-NOC—Glass, single, hardwood frame, 12¾x10⅞ in., w't per doz. 58 lbs., ...per dozen **DAJ** $6.80

ONE DOZEN IN A CRATE.

WASH BOARDS.



No. 95 Cruso.

No. 95—Cruso Junior, 19x9 in. size over all, single zinc rubbing surface, 7⅜x 9⅜ in. globe crimp, w't per doz. 25 lbs. .....per dozen **BFJ** $4.30



No. 52 Cruso.

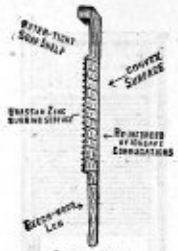
No. 52—Cruso, rubbing surface 10⅜x11 in., w't per doz. 30 lbs., per dozen .....**BGE** $1.60

ONE-HALF DOZEN IN A BUNDLE.



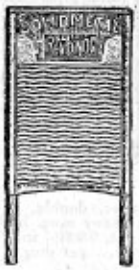
No. 722—Soap Saver, 24x12½ in. size over all, single zinc iron rubbing surface 11x12 in., globe crimp, ventilated back, extra heavy zinc, galvanized iron protected top of improved design, which returns the soap drainings to the rubbing surface, w't per doz. 40 lbs. .....per dozen **EDJ** $7.50

ONE-HALF DOZEN IN A BUNDLE.



Construction.

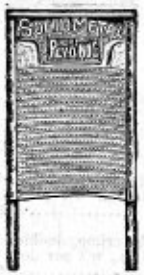
The body of these washboards is made of one piece No. 28 gauge special galvanized steel, 18x20 in. The arch over which is placed the rubbing surface is reinforced by ten heavy corrugations, thus insuring the greatest strength. The body is made rigid by the tubular side posts, extending the whole length, into which the wooden legs are received and securely fastened. The face or rubbing surface is of brass or zinc 11x 11⅜ in. When these posts are assembled the "Solid Metal" is absolutely perfect from every standpoint.



No. 55 REVERSE.

Solid Convex Rubbing Surface, Water-Tight Soap Shelf, Hollow Head, Round and Hollow Sides, Wooden Legs and Rounded Ends.

No. 55 REVERSE—Zinc face, angle crimp, w't per doz. 34 lbs., per dozen .....**DEJ** $7.50



No. 56 REVERSE.

No. 56 REVERSE—Brass face, spiral crimp, w't per doz. 34 lbs., per dozen .....**DHJ** $9.00

ONE-HALF DOZEN IN A BUNDLE.

The highest standard of excellence is maintained in the manufacture of our boards.

All these wash boards are fully guaranteed by their maker as to material, construction and finish.

The frames and backs are made of carefully seasoned wood, accurately put together, and you will find that hot or cold water and cleansing acids will not cause them to warp or come apart.

The crimps of the various styles are carefully and scientifically designed so as to give the best results for their particular purpose.

REVONOC HAND, POWER AND ELECTRIC WASHERS.



Side Lever Socket.



Top Lever Socket.



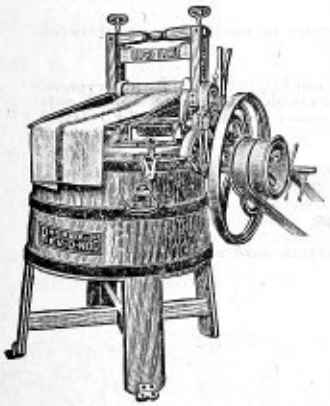
Easy Access to Tub.

No. 10 REVONOC—Height 30 in., width 23 in., diam. of fly wheel 19 in., red Louisiana tub, grained, corrugated interior, double top, hinged cover, strong wringer attachment, double handle socket, cross braced legs, absolutely rigid, w't per doz. 1080 lbs.....per dozen **JHFDJ** $144.00

The REVONOC lever arrangement is such that the machine when full may be operated by a child, and the motion is such as not to grow tiresome when continued. The fly wheel makes seven revolutions to one downward thrust of the lever. The compound gearing together with the rapid motion of the fly wheel insures a uniform and non-jerking operation of the machine. The top is made double which eliminates warping, and the metal parts are simple and strongly made.

REVONOC FOR POWER.

REVONOC Power and Electric Washers are furnished with cut gears and Babbit Bearings.



No. 26 REVONOC.

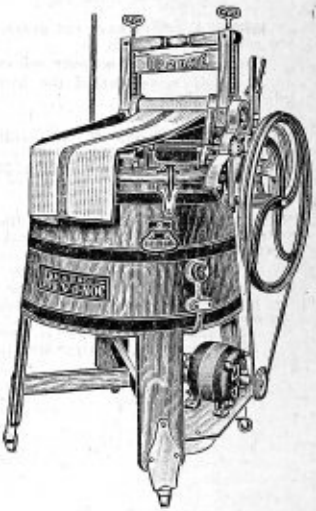
No. 26 REVONOC—Height 28 in., width at top 19½ in., width at bottom 22 in., depth of tub 12½ in., kiln dried cypress tub, grained, corrugated interior, double top, hinged cover, cross braced legs, w't crated 1860 lbs., per dozen .....**BEBJJ** $420.00

The REVONOC is being used successfully with gasoline, steam or turbine power. The best results are produced when provisions are made for 285 revolutions of the fly wheel per minute. Has shift to lead belt from the driving to the loose pulley and vice versa. Proper regulation of speed is an important essential in securing best results with the No. 26 REVONOC.

REVONOC ELECTRIC.

No. 28 REVONOC—For alternating current, w't crated 2160 lbs., otherwise same as No. 26 REVONOC★ .....per dozen **JFJJJJ** $1,080.00

No. 29 REVONOC—For direct current, otherwise same as No. 26 REVONOC, per dozen★ .....**JEDJJJ** $1,008.00



Nos. 28 and 29 REVONOC.

The REVONOC is geared so as to retain a uniform momentum from the fly wheel, thereby relieving the motor from a great strain, and consequently using less current than other machines. The motor is placed on an adjustable base so as to retain the proper tension on the belt at all times. The cut-off switch is directly in front of the machine and may be turned on or off without leaving the washer. The galvanized iron dasher center is covered by a galvanized cap, thereby preventing clothes from being caught between the wood dolly and the dasher center. Furthermore no oil or grease may possibly get down into the tub. The REVONOC Electric Washer is the most efficient and most economical that money can buy. The motors are supplied for both alternating and direct current, and have drop cord to attach to any convenient socket. All machines are supplied with Guarantee Wringers which may be detached. By the use of a simple hand lever, the wringer may be run forward, reversed or stopped instantly.

In ordering we must have the following information—Direct current, number of volts, alternating current, single phase, number of volts and cycles.

REVONOC POWER AND ELECTRIC WASHERS.



No. 31.



No. 32.

REVONOC Washers have cut gears, reducing friction to a minimum, making the machine noiseless. All exposed gears are covered.

The patent safety wringer release protects most careless operator against injury.

A simple movement of the hand swings the wringer from one position to another to enable wringing between tubs and basket.

REVONOC FOR POWER.

No. 31 REVONOC—Height 29½ in., width at top 20¼ in., width at bottom 23 in., depth of tub 13¼ in., Louisiana red cypress, natural finish, hardwood dolly with four extra large pegs and guarded post, reversible ball bearing wringer rolls 1¾x10 in., shipping w't per doz. 2100 lbs. ..... per dozen **BGCFJ** $456.00

REVONOC ELECTRIC.

No. 32 REVONOC—Height 31½ in., width at top 20¼ in., width at bottom 23 in., depth of tub 13¼ in., Louisiana red cypress, fully corrugated interior, natural finish, hardwood dolly, four extra large pegs and guarded post, shipping w't per doz. 2400 lbs. ..... per dozen **EIDJJ** $990.00

In case of trouble with your electric power, no time need be lost. The REVONOC *electric can also be operated by hand with scarcely any effort, the hand attachment runs wringer also.*

Equipped with an especially designed Fort Wayne motor, having ample power to operate both washer and wringer at the same time.

Absolutely guaranteed for five years against any electrical or mechanical defects.

When ordering, specify kind of current, voltage and cycles.

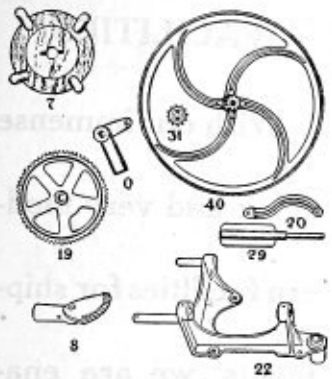
TUB STANDS.



For Nos. 31 and 32 REVONOC Washers, height 18 in., diameter of top 16 in., steel electrically welded, shipping w't per set of two 25 lbs. ..... per set of two **BGJ** $4.50

WASHERS AND WASHER PARTS.

REVONOC WASHER PARTS.



No. 7—Pinwheel, w't 2 lbs., each ..... **JDH** $1.00

No. 8—Gear segment, for new style, w't 2¼ lbs. ..... each **CJ** $0.40

No. 6—Handle socket, for new style, w't 2 lbs. ..... each **BD** $0.50

No. 22—Main frame, for new style, w't 7½ lbs. ..... each **JHJ** $1.80

No. 19—Gear wheel, 65 cogs, w't 3½ lbs., each ..... **CF** $0.70

No. 20—Pitman, w't 14 oz., each ..... **AH** .30

No. 29—Dasher center, w't 1¾ lbs., each ..... **BD** $0.50

No. 31—Pinion, w't 7 oz., each ..... **AD** .30

No. 40—Fly wheel, 10 cogs, w't 13½ lbs., each ..... **ABJ** $2.50

Extra wood handles .... each **AB** .30

IMPROVED REVONOC PARTS.



No. 19X

These additional cogs work as so many more levers, thereby increasing the easy motion.



No. 19X. No. 42.

No. 19X—Gear wheel, 94 cogs, w't 3½ lbs. ..... each **CF** $0.70

No. 42—Fly wheel, 15 cogs on pinion, wt 13½ lbs. ..... each **ABJ** $2.50

WATER MOTOR BELTS.



Showing REVONOC Washer belted to a Line Shaft.



9 ft., endless belt for No. 1994 water motors, 1 in. wide, made of rubber and cloth webbing .... each **EJ** $0.80

One of these endless belts should be purchased with each water motor, as the regular rubber and leather belts are too heavy and use too much power.

REVONOC POWER PULLEY.



REVONOC Pulley, 8 in., w't per doz. 42 lbs., per dozen ..... **ADDJ** $36.00

MOTORS AND BRACKETS.

Cut shows motor and bracket attached. Sold separately.



No. 1994—Motor 2 in. flat belt double flanged pulley, made of brass, iron and steel, w't per doz. 160 lbs., per dozen ..... **JEEJJ** $144.00

No. 1944—Wall or bench brackets, w't per doz. 17 lbs. .. per dozen **DCJ** $6.00

HIGH SPEED WASHERS.



No. 44—Il-a-noy, red Louisiana cypress tub, four peg dolly type, machine cut gears, fully corrugated interior, protection cap over dolly, wood parts natural finish, gearing and hoops varnished gold, drain bottom 24 in., drain top 22 in., height of tub 15 in., height over all 36 in., high tension spring attached to cover lightening the lifting weight of lid, ball bearings in mechanism insure great ease in operation, w't per doz. 960 lbs., per dozen ..... **AJDDJ** $174.00

A few points of superiority: The dolly has a far turn and reverse giving great agitation to the clothes. The interior being corrugated gives a wash board effect greatly assisting in cleansing. The machine cut gears makes the Il-a-noy very easy running and almost noiseless. The gearing being centrally located makes the machine evenly balanced and therefore easily moved about. The cap over the dolly prevents the tearing of fine fabrics. There are but seven moving parts in the entire machine, reducing to a minimum the possibility of breakage.

THE GEARING—The gearing of the Il-a-noy washing machine is all assembled on one casting. This being the main frame it cannot get out of order in any way, always insuring ease in operation. The dolly is operated with a rack bar and pinion. The rack-bar is connected to a lever with a cross-head movement the same as you will find in most engines so that there can be no lost motion and very little friction. The leverage is very short, giving the machine great power. There is also a pitman connection to a cut gear. This gear is in mesh with another cut gear on the fly wheel which gives it increased speed.

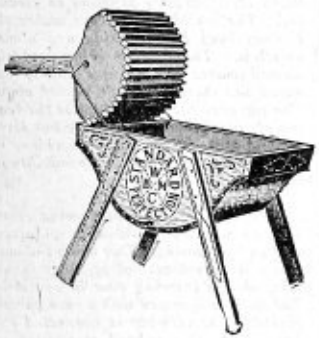
WASHING MACHINES.

PEERLESS WATER POWER WASHERS.



No. 30—Tub is very substantial, of thoroughly kiln dried clear southern cypress, rack is fully covered with a shield, shipping w't 900 lbs., per dozen .....**AEABJ** $252.00

The pressure in the motor is concentrated so perfectly alternately on each side of the piston head that it only takes a minimum of pressure to produce more strokes per minute than any other water motor, and the "Peerless" water power machine is guaranteed to operate successfully on 20 lbs. pressure.



No. 120—Standard Perfection, hardwood body, height 30 in., length 34 in., width 12½ in., wood grip, hardwood frame cylinder, malleable iron castings, hinged cover, w't per doz. 600 lbs.* ....per dozen **CAJE** $50.00



No. 4—American, family size, hardwood, height 28 in., width 24 in., inside corrugated, hinged cover, galvanized iron, standard and cog wheels, hardwood handle and dasher, w't per dozen 600 lbs., per doz. **DJBE** $70.00



No. 15—Superior, kiln dried Arkansas cottonwood, height 24 in., length 33 in., width 21 in., galvanized iron bottom, with removable hardwood corrugated slats, hardwood cylinder and handle, galvanized iron socket guides, four hardwood bolted legs, w't per doz. 480 lbs. .....per dozen $48.00

F. O. B. Chicago.....**BHBJ**
F. O. B. Ft. Wayne, Ind...**BGFJ**

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

GUARANTEED BALL BEARING WRINGERS.

On this and the following page we illustrate several patterns of Wringers, under the brands H.S.B.B. and REVONOC. The rolls in H.S.B.B. wringers are guaranteed for five years, those in the REVONOC are guaranteed for three years, otherwise they are identical.

These wringers embody two very important improvements, namely, the "Enclosed Cog Wheels" and "Ball Bearings," but in connection with these are a number of other points which contribute to their superiority.

Frame—This is made of seasoned hard wood, in the simplest manner, carefully joined and bolted, all of the working parts encased leaving nothing to be desired in the appearance and convenience of the wringer. It is carefully varnished, painted, and well finished in every detail.



Rolls—These are of exceptional quality and will last the term of years for which they are guaranteed, if used for family washing. The H.S.B.B. are made from the best solid white rubber, the same quality from outside of cover to shaft, are soft and have the proper elasticity to do good wringing. The rolls of the REVONOC are second only to the H.S.B.B.

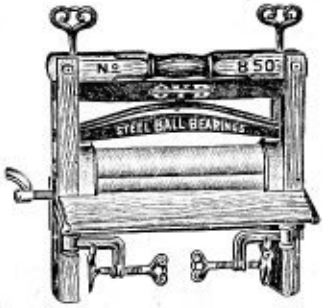
Covered Gearing—This is a very important improvement—there is no danger of clothing catching in the cogs. The appearance is vastly improved. The spring is longer, removing the strain on the rollers when rolls are separated, and the danger of children getting their fingers crushed is entirely removed.

Ball Bearings—These are located on the outside of the cog wheels, and therefore removed a considerable distance from the rolls, so that no water can reach them from wringing of clothes. The ball race is so constructed that should any water reach the bearings, it will drain out immediatley, avoiding rust. The bearings can be oiled without any danger of the oil reaching the rolls. The balls are solid steel of uniform size. The bearings are of large size and reduce friction to a minimum, and H.S.B.B. or REVONOC wringers can be operated with one half the effort of an ordinary wringer.

Other Points—Everything about these wringers is high grade and made for use. The thumb screws are large and easy to handle. The spring is made of the best quality of steel, adapted for the purpose. The clamps are extra strong, easy to apply, and are made to be attached to wood or galvanized tubs, either round or square.

H.S.B.B.





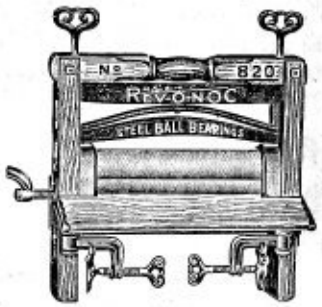
No. 850 H.S.B.B.—10x1¼ in. finest quality rolls, warranted for five years, encased cog wheels, with ball bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 275 lbs., per doz. **DFHJ** $76.00
Nos. 12, 16, 51 *and* 52 *rolls will fit No.* 850 H.S.B.B.

No. 851 H.S.B.B.—11x1¼ in. finest quality rolls, warranted for five years, otherwise same as No. 850 H.S.B.B., w't per doz. 290 lbs.....per dozen **EAFG** $84.00
Nos. 41, 42, 61 *and* 62 *rolls, will fit No.* 851 H.S.B.B.

ONE-QUARTER DOZEN IN A CASE.

REVONOC





No. 820 REVONOC—10x1¼ in. rolls, warranted for three years, ball bearings, encased cog wheels and bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 275 lbs., per dozen **DBJJ** $68.00
Nos. 12, 16, 51 *and* 52 *rolls will fit No.* 820 REVONOC.

No. 821 REVONOC—11x1¼ in. rolls, warranted for three years, otherwise same as No. 820 REVONOC, w't per doz. 290 lbs., per dozen .....**DFBJ** $75.00
Nos. 41, 42, 61 *and* 62 *rolls will fit No.* 821 REVONOC.

ONE-QUARTER DOZEN IN A CASE.

GUARANTEED BALL BEARING WRINGERS.



Bench.

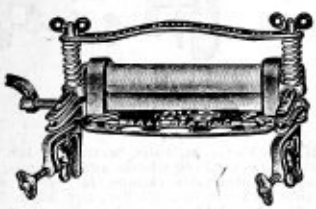
No. 860 —10x1¾ in. finest quality rolls, warranted for five years, ball bearings, encased cog wheels, large frame steel spring, improved guide board, extra wide oscillating drip board conducts water into either tub, folding bench, w't per doz. 510 lbs.....per dozen **JFJIE** $100.00
Nos. 12, 16, 51 *and* 52 *Rolls will fit No.* 860 .

No. 861 —11x1¾ in. finest quality rolls, warranted for five years, w't per doz. 525 lbs., otherwise same as *No.* 860 .....per dozen **JFFAE** $108.00
Nos. 41, 42, 61 *and* 62 *Rolls will fit No.* 861 .

ONE IN A CASE.



SECTION OF BEARING.



No. 840 —10x1¾ in. finest quality rolls, warranted for five years, encased cog wheels with ball bearings, adjustable clamps for either wood or galvanized tubs, w't per doz. 250 lbs.....per dozen **DGAE** $76.00
Nos. 31, 32, 54 *and* 55 *Rolls will fit No.* 840 .

ONE-QUARTER DOZEN IN A BOX.



Bench.

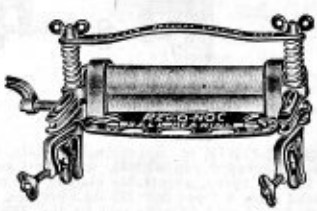
No. 830 —10x1¾ in. rolls, warranted for three years, ball bearings, encased cog wheels, large frame, steel spring, improved guide board, extra wide oscillating drip board conducts water into either tub, folding bench, w't per doz. 510 lbs.....per dozen **EEHJ** $92.00
Nos. 12, 16, 51 *and* 52 *Rolls will fit No.* 830 .

No. 831 —11x1¾ in. rolls, warranted for three years, w't per doz. 525 lbs., otherwise same as No. 830 , per dozen ..... **EHHJ** $98.00
Nos. 41, 42, 61 *and* 62 *Rolls will fit No.* 831 .

ONE IN A CASE.



SECTION OF BEARING.



No. 810 —10x1¾ in. rolls, warranted for three years, ball bearings, encased cog wheels and bearings, adjustable clamps, for either wood or galvanized tubs, w't per doz. 250 lbs.....per dozen **DBJJ** $68.00
Nos. 31, 32, 54 *and* 55 *Rolls will fit No.* 810 .

ONE-QUARTER DOZEN IN A BOX.

WRINGERS.



If either roll wears out during time of warranty we will replace the same free of charge. When making claim state if it is top or bottom roll, also give us the name and number of the wringer.

This tag to be valid must be signed and dated by the dealer selling the wringer, at time of sale, and must be sent to us when making claim.

Wringers not warranted if operated by power.

LOVELL MANUFACTURING CO., Erie, Pa.

From Whom Purchased .....
Town and State.....
Date Purchased.....19....,

Washing fluids and oils are injurious to rubber rolls.

If any wringer should prove defective with the warranty period, do not return the wringer or roll, or give your customer a new one, but send to us for the necessary repairs, enclosing warranty tag, and new roll will be forwarded promptly, free of charge. If both rolls are defective, wrap them in strong paper enclosing guarantee tag, and return them to Lovell Manufacturing Co., 62 E. Lake St., Chicago. When ordering roll always state name and number of wringer. Wringer rolls are not warranted when operated by power.



No. S12—Success, 10x1¾ in. rolls, warranted for one year, malleable iron frame, steel springs, malleable iron apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 160 lbs. .....per dozen **BGBE** $43.00



No. M130—Mendota, 10x1¾ in. rolls, warranted for one year, steel spiral pressure spring, adjustable tension, iron frame, malleable iron apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 240 lbs., per dozen .....**CJBE** $48.00

No. M131—Mendota, 11x1¾ in. rolls, w't per doz. 260 lbs., otherwise same as No. M130 .....per dozen **CCBE** $53.00



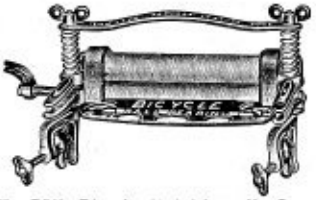
No. D22—Domestic, 10x1¾ in. rolls, warranted for three years, stationary malleable iron apron, malleable iron frame, adjustable clamps, for either wood or galvanized tubs, w't per doz. 240 lbs. .....per dozen **CCHE** $54.00

ONE-QUARTER DOZEN IN A CASE.

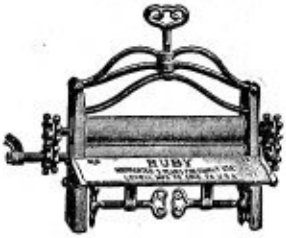


No. B122—Bicycle, 10x1¾ in. rolls, warranted for three years, iron frame, steel ball bearing, steel spiral pressure springs, adjustable tension, malleable iron apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 240 lbs., per dozen .....**CHJE** $61.00

No. B123—Bicycle, 11x1¾ in. rolls, w't per doz. 260 lbs., otherwise same as No. B122 .....per dozen **DAFE** $67.00

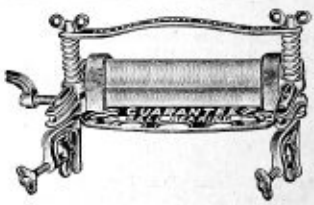


No. B740—Bicycle, 10x1¾ in. rolls, Lovel's cog wheel shields, warranted for three years, galvanized malleable iron frame, steel ball bearing, steel spiral springs, adjustable clamps, for either wood or galvanized tubs, w't per doz. 280 lbs., per dozen .....**CIHE** $64.00

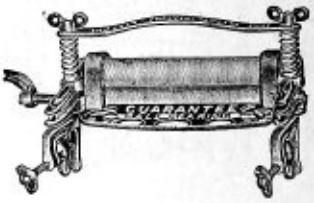


No. R22—Ruby, 10x1¾ in. rolls, warranted for one year, galvanized malleable iron frame, flat steel springs, adjustable clamps, for either wood or galvanized tubs, w't per doz. 230 lbs., per dozen .....**CJBE** $48.00

ONE-QUARTER DOZEN IN A CASE.



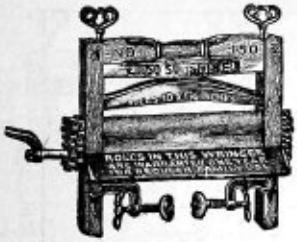
No. G22—Guarantee, 10x1¾ in. finest quality rolls, warranted for five years, iron frame, steel spiral pressure springs, adjustable tension, malleable iron apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 240 lbs., per dozen .....**CGDE** $60.00



No. G750—Guarantee, 10x1¾ in. rolls, Lovel's cog wheel shields, warranted for five years, galvanized malleable iron frame, steel ball bearing, steel spiral springs, adjustable clamps, for either wood or galvanized tubs, w't per doz. 280 lbs., per dozen .....**DCDE** $70.00

ONE-QUARTER DOZEN IN A CASE.

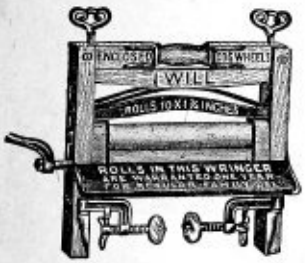
WRINGERS.



No. S150—Cruso Sunshine, 10x1¾ in. rolls, warranted for one year, steel spring, wood frame, large folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 250 lbs. .....per dozen **CJBE** $48.00

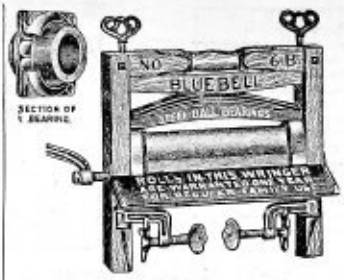
No. S350—Cruso Sunshine, 11x1¾ in. rolls, w't per doz. 265 lbs., otherwise same as No. S150,
per dozen .....**CCBE** $53.00

No. S450—Cruso Sunshine, 12x1¾ in. rolls, w't per doz. 300 lbs., otherwise same as No. S150,
per dozen .....**CFBD** $58.00



No. W260—"I Will," 10x1¾ in. rolls, warranted for one year, encased cog wheels, folding apron, large wood frame, steel spring, adjustable clamps, for either wood or galvanized tubs, w't per doz. 265 lbs., per dozen .....**CBJE** $51.00

The new construction allows the use of ½ in. extra width of rolls, prevents children from getting their fingers pinched in the cogs, and keeps the water from the bearings as well as the oil from the clothes.



No. B6—Bluebell, 10x1¾ in. rolls, warranted for one year, steel ball bearing, encased cog wheels, large wood frame, wood spring bars painted blue, steel spring, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 265 lbs., per dozen .....**CGDE** $60.00



No. D110—Domestic, 10x1¾ in. rolls, warranted three years, wood frame, steel spring, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 250 lbs., per dozen .....**CCHE** $54.00
No. D111—Domestic, 11x1¾ in. rolls, w't per doz. 265 lbs., otherwise same as No. D110...per dozen **CGDE** $60.00
No. D112—Domestic, 12x1¾ in. rolls, w't per doz. 300 lbs., otherwise same as No. D110...per dozen **DAJE** $66.00

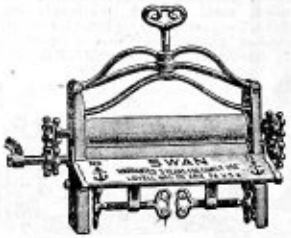


No. 670—Domestic, 10x1¾ in. rolls, warranted three years, wood frame, Lovell's cog wheel shields, galvanized metal bearings, flat steel spring, adjustable clamps, for either wood or galvanized tubs, w't per doz. 270 lbs., per dozen .....**CEFE** $57.00

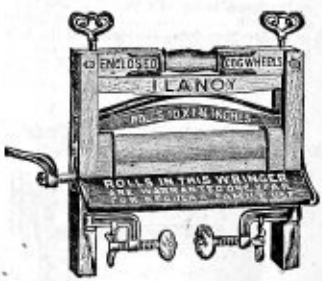


No. K310—Kingston, 10x1¾ in. rolls, warranted three years, steel spiral springs, wood frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 250 lbs. .....per dozen **CCHE** $54.00

ONE-QUARTER DOZEN IN A CASE.



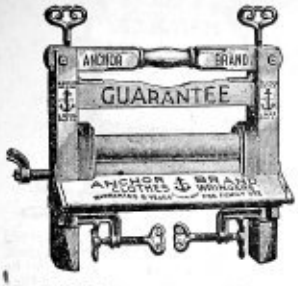
No. S22—Swan, 10x1¾ in. extra high grade rolls, warranted for three years, malleable iron frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 240 lbs., per dozen .....**CCHE** $54.00



No. 80—I-l-a-noy, 10x1¾ in. rolls, warranted for one year, steel ball bearing, encased cog wheels, folding apron, large wood frame, steel spring, adjustable clamps, for either wood or galvanized tubs, w't per doz. 265 lbs. .....**CFBE** $58.00

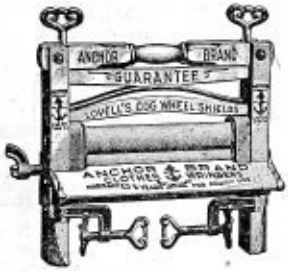
ALL ONE-QUARTER DOZEN IN A CASE.

WRINGERS.





No. G780—Guarantee, 10x1¾ in. rolls, warranted for five years, steel ball bearings, steel spiral springs, Lovel's cog wheel shields, adjustable clamps for either wood or galvanized tubs, w't per doz. 275 lbs.,
per dozen .....**DCDE** $70.00

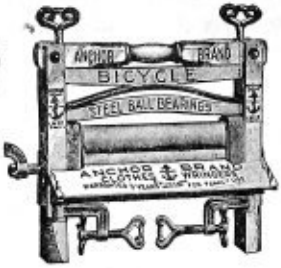


No. G790—Guarantee, 10x1¾ in. finest quality rolls, warranted for five years, encased cog wheels, with ball bearings, large frame, folding apron, adjustable clamps, for either wood or galvanized tubs, w't per doz. 280 lbs., per dozen .....**DCDE** $70.00

No. G791—Cuarantee, 11x1¾ in. rolls, w't per doz. 290 lbs., otherwise same as No. G790, per dozen **DGFE** $77.00



No. 781S—Guarantee, 11x1¾ in. rolls, warranted five years, wood frame, steel spiral springs, steel ball bearings, for round, also stationary wood or soapstone tubs, Lovel's cog wheel shields, w't per doz. 315 lbs.,
per dozen .....**EABE** $83.00

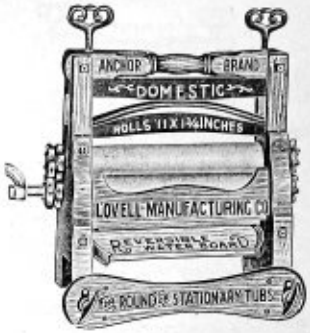


No. B770—Bicycle, 10x1¾ in. rolls, warranted for three years, ball bearings, encased cog wheels and bearings, large frame, folding apron, adjustable clamps for either wood or galvanized tubs, w't per doz. 288 lbs.,
per dozen .....**CIHE** $64.00

No. B771—Bicycle, 11x1¾ in. rolls, warranted for three years, steel ball bearings, folding apron, adjustable clamps for either wood or galvanized tubs, w't per doz. 290 lbs.,
per dozen .....**DCDE** $70.00



No. 761S—Bicycle, 11x1¾ in. rolls, warranted three years, wood frame, steel spiral springs, steel ball bearings, for round, also stationary wood or soapstone tubs, Lovel's cog wheel shields, w't per doz. 315 lbs.,
per dozen .....**DGHE** $76.00



No. D341—Domestic, 11x1¾ in. rolls, warranted three years, hardwood frame, metal bearings, flat steel spring, reversible water-board, conducts water into either tub, for round also stationary or soapstone tubs, material of which is not over 2 in. thick, w't per doz. 310 lbs.,
per dozen .....**DAJE** $66.00



No. A110—Automatic, 10x1¾ in., extra high grade rolls, warranted five years, hardwood frame, sprocket chain with gear arrangement, automatic adjustment, w't per doz. 260 lbs. .....per dozen **CHFE** $62.00

Rolls Nos. 119 and 120 adapted for this wringer.

The adjustment equalizes the roll pressure as shown in illustration, thus wringing equally dry the thick and thin portions of the garment. The sprocket chain with gear attachment gives more purchase power than in ordinary wringers, and thus makes the wringer turn with very little labor.

ALL ONE-QUARTER DOZEN IN A CASE.

WRINGERS AND MANGLES.

BENCH WRINGERS.



No. S-5—Sunshine, 10x1¾ in. rolls, warranted for one year, steel spring, improved guide board, oscillating drip board, folding bench, w't per doz. 485 lbs. .....per dozen **DEFJ** $76.00

Rolls 11 and 15 adapted for this wringer.

ONE IN A CRATE.

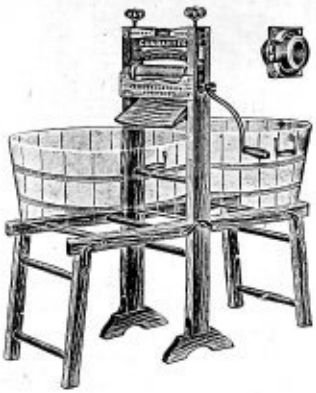


No. B16—Bluebell, 10x1¾ in. rolls, warranted for one year, steel ball bearing, encased cog wheels, large frame, steel spring, improved guide board, oscillating drip board, folding bench, w't per doz. 510 lbs., per dozen .....**EBHJ** $88.00

Rolls 12 and 16 adapted for this wringer.

ONE IN A CRATE.

BENCH WRINGERS.



No. GB790—Guarantee, 10x1¾ in. finest quality rolls, warranted for five years, ball bearings, encased cog wheels, large frame, steel spring, improved guide board, extra wide oscillating drip board conducts water into either tub, folding bench, w't per doz. 516 lbs. .....per dozen **EHHJ** $98.00

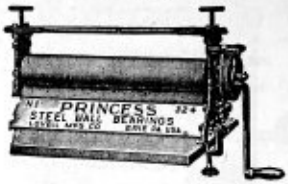
ONE IN A CRATE.



No. BB770—Bicycle, 10x1¾ in. rolls, warranted for three years, ball bearings, encased cog wheels, large frame, steel spring, improved guide board, extra wide oscillating drip board conducts water into either tub, folding bench, w't per doz. 516 lbs., per dozen .....**EEBJ** $92.00

ONE IN A CRATE.

MANGLES.



No. 324—Princess, 24x3½ in., selected hardwood rolls, thoroughly seasoned, purchase gear, iron frame, can be clamped on ordinary table, w't 72 lbs., per dozen .....**JHDJJ** $140.00

ONE IN A CASE.



No. 25—Niagara, 24x3½ in., hardwood rolls, iron frame, tempered steel ball bearing, screw clamps, w't 55 lbs., per dozen .....**JFIFJ** $116.00

ONE IN A CASE.



No. 524—Garland, 24x5¼ in., hardwood rolls, malleable iron frame, easy turning gear purchase arrangement, mounted on casters, w't 240 lbs., per dozen★ .....**CFJJJ** $600.00

Especially adapted for hotels, restaurants and laundry uses.

A mangle can be used for ironing everything that does not have buttons and that is not starched. It not only saves about one-third the time and labor but preserves the clothes, especially linens, as there is no possible chance of the fibre being destroyed with the hot iron. The clothes can be taken from the line, run through the mangle and put away. Bed linen, towels, etc., run through the mangle retain all the freshness that they get by hanging in the open air.

ONE IN A CRATE.

WRINGER ROLLS AND CRANKS, CLAMPS, ETC.

WRINGER ROLLS.



FRICTION, FOR IRON FRAME.

One Year Grade Not Warranted.

No. 1—Upper, 10x1¾ in., w't per doz. 36 lbs. .....per dozen **AJBJ** $16.50
No. 2—Lower, 10x1¾ in., w't per doz. 40 lbs. .....per dozen **AJBJ** $16.50
Nos. 1 *and* 2 *are for No.* S12 *Success.*



WITH COG, FOR IRON FRAME.

One Year Grade Not Warranted.

No. 4—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **AAAJ** $18.00
No. 5—Lower, 10x1¾ in., w't per doz. 46 lbs. .....per dozen **AAAJ** $18.00
Nos. 4 *and* 5 *are for Nos.* M130 *Mendota,* S22 *Swan,* D22 *Domestic,* G22 *Guarantee and* R22 *Ruby.*

No. 07—Upper, 11x1¾ in., w't per doz. 44 lbs. .....per dozen **ABFE** $20.50
No. 7—Lower, 11x1¾ in., w't per doz. 48 lbs. .....per dozen **ABFE** $20.50
Nos. 07 *and* 7 *are for Nos.* M131 *Mendota,* D23 *Domestic and* G23 *Guarantee.*

No. 08—Upper, 12x1¾ in., w't per doz. 51 lbs. .....per dozen **ADAF** $23.00
No. 8—Lower, 12x1¾ in., w't per doz. 54 lbs. .....per dozen **ADAF** $23.00
Nos. 08 *and* 8 *are for Nos.* M132 *Mendota and* D24 *Domestic.*

WITH COG, FOR WOOD FRAME.

One Year Grade Not Warranted.

No. 11—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **AAAJ** $18.00
No. 15—Lower, 10x1¾ in., w't per doz. 46 lbs. .....per dozen **AAAJ** $18.00
Nos. 11 *and* 15 *are for Nos.* S5 *and* S150 *Sunshine,* D110 *Domestic and* G110 *Guarantee.*

No. 13—Upper, 11x1¾ in., w't per doz. 44 lbs. .....per dozen **ABFE** $20.50
No. 17—Lower, 11x1¾ in., w't per doz. 48 lbs. .....per dozen **ABFE** $20.50
Nos. 13 *and* 17 *are for Nos.* S350 *Sunshine,* D111 *Domestic and* G111 *Guarantee.*

No. 14—Upper, 12x1¾ in., w't per doz. 51 lbs. .....per dozen **ADAE** $23.00
No. 18—Lower, 12x1¾ in., w't per doz. 54 lbs. .....per dozen **ADAE** $23.00
Nos. 14 *and* 18 *are for Nos.* S450 *Sunshine and* D112 *Domestic.*

No. 21—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **AAAJ** $18.00
No. 22—Lower, 10x1¾ in., w't per doz 46 lbs. .....per dozen **AAAJ** $18.00
Nos. 21 *and* 22 *are for No.* 310 *Kingston.*

WRINGER ROLLS.



WITH COG, FOR IRON FRAME.

One Year Grade Not Warranted.

No. 31—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **AAAJ** $18.00
No. 32—Lower, 10x1¾ in., w't per doz. 46 lbs. .....per dozen **AAAJ** $18.00
Adapted for wringers Nos. 810, 840, G750 *and* B740.

Three Year Grade Not Warranted.

No. 54—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **ABIE** $21.00
No. 55—Lower 10x1¾ in., w't per doz. 46 lbs. .....per dozen **ABIE** $21.00
Adapted for wringers Nos. 810, 840, G750 *and* B740.

WITH COG, FOR WOOD FRAME.

One Year Grade Not Warranted.

No. 12—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per doz **AAAJ** $18.00
No. 16—Lower, 10x1¾ in., w't per doz. 46 lbs. .....per doz **AAAJ** $18.00
Nos. 12 *and* 16 *are for Nos.* 80 *Il-a-noy,* 260 *I-Will,* B6 *and* B16 *Bluebell,* B770 *and* BB770 *Bicycle,* G790 *and* GB790 *Guarantee,* 810, 820 *and* 830 REVERSIBLE, 840, 850 *and* 860 REVERSIBLE, G750 *and* G690 *Guarantee,* B740 *Bicycle and Domestic.*

No. 41—Upper, 11x1¾ in., w't per doz. 44 lbs. .....per dozen **ABFE** $20.50
No. 42—Lower, 11x1¾ in., w't per doz. 48 lbs. .....per dozen **ABFE** $20.50
Nos. 41 *and* 42 *are for Nos.* 821 *and* 831 REVERSIBLE, 851 *and* 861 REVERSIBLE, B771 *Bicycle,* G781 *and* G791 *Guarantee.*

Three Year Grade Not Warranted.

No. 51—Upper, 10x1¾ in., w't per doz. 42 lbs. .....per dozen **ABIE** $21.00
No. 52—Lower, 10x1¾ in., w't per doz. 46 lbs. .....per dozen **ABIE** $21.00
Nos. 51 *and* 52 *are for Nos.* B770 *and* BB770 *Bicycle,* G790 *and* GB790 *Guarantee,* 810, 820 *and* 830 REVERSIBLE, 840, 850 *and* 860 REVERSIBLE.
No. 61—Upper, 11x1¾ in., w't per doz. 44 lbs. .....per dozen **ADHJ** $24.00
No. 62—Lower, 11x1¾ in., w't per doz. 48 lbs. .....per dozen **ADHJ** $24.00
Nos. 61 *and* 62 *are for Nos.* 821 *and* 831 REVERSIBLE, 851 *and* 861 REVERSIBLE.



With Cog, for Automatic.

Three Year Grade Not Warranted.

No. 119—Upper, 10x1¾ in., single cog wheel, w't per doz. 42 lbs, per dozen .....**ABIE** $21.00
No. 120—Lower, 10x1¾ in., with gear for chain, w't per doz. 42 lbs., per dozen .....**ABIE** $21.00
For No. 110 *Automatic.*

WRINGER ROLLS.



Cog Wheels with Ball Bearing, for Wood or Iron Frame.

One Year Grade Not Warranted.

No. 9—Upper, 10x1¾ in., w't per doz. 48 lbs. .....per dozen **ACCJ** $21.50
No. 10—Lower, 10x1¾ in., w't per doz. 52 lbs. .....per dozen **ACCJ** $21.50
Nos. 9 *and* 10 *are for Nos.* B110, B122 *and* B350 *Bicycle, and* G122 *Guarantee.*
No. 125—Upper, 11x1¾ in., w't per doz. 50 lbs. .....per dozen **ADHJ** $24.00
No. 126—Lower, 11x1¾ in., w't per doz. 54 lbs. .....per dozen **ADHJ** $24.00
Nos. 125 *and* 126 *are for Nos.* B111, B123 *and* 351 *Bicycle and* G123 *Guarantee.*

WRINGER CRANKS.



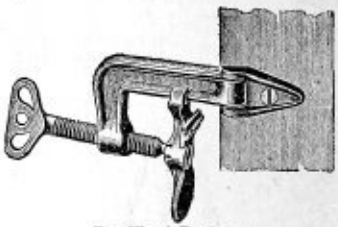
No. 0—Will fit all wringers illustrated except the Improved, w't per doz. 8½ lbs. .....per dozen **BAE** $6.50

PRESSURE SCREWS.



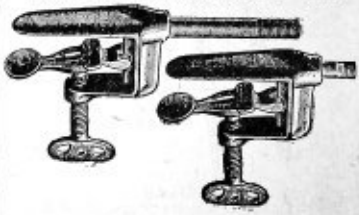
No. 25—Will fit all wringers, w't per doz. 3 lbs. .....per dozen **ABJ** $2.50

WRINGER CLAMPS.



For Wood Frame.

No. 20—For side opposite crank, per dozen .....**BDJ** $3.75
No. 21—For side next to crank, per dozen .....**BDJ** $3.75



No. 230. No. 220.

No. 220—For iron frame Success, per dozen .....**BDJ** $3.75
No. 230—For iron frame Guarantee, Bicycle, Mendota and Domestic, per dozen .....**CIJ** $5.00

LADDERS.

STEP.



STANDARD.

Nos.	74	75
Length, ft.	4	5
W't, lbs.	10½	13
Each	$0.80	1.00
	DC	JEB

Nos.	76	77	78
Length, ft.	6	7	8
W't, lbs.	15½	18	22
Each	$1.20	1.40	1.60
	JFB	JGA	JHJ

STANDARD, with Shelf.

Nos.	64	65	66
Length, ft.	4	5	6
W't, lbs.	11	13	17
Each	$1.00	1.20	1.40
	JEC	JFC	JGB

Nos.	67	68
Length, ft.	7	8
W't, lbs.	21	22
Each	$1.60	1.80
	JHB	JIA



POPULAR.
Rods Under Alternate Steps, Steel Lag Spreaders, with Shelf.

Nos.	54	55	56	57	58
Lgth, ft.	4	5	6	7	8
W't, lbs.	11	12½	15	17½	20
Each	$1.05	1.30	1.56	1.80	2.10
	JFJ	JHJ	JIE	AAJ	ABE

A safe ladder at a popular price.

STEP.



IXL IMPROVED, Extra Well Braced.

Nos.	44	45	46	47
Length, ft.	4	5	6	7
W't, lbs.	12	14	17	22
Each	$1.70	2.25	2.75	3.00
	JIJ	AAE	ADJ	AFJ

Nos.	48	410	412
Length, ft.	8	10	12
W't, lbs.	24	33	39½
Each	$3.50	4.50	5.00
	AHJ	BCJ	BGE

Malleable iron brackets and leg hinges, anchor irons under each step to prevent spreading, corner irons over end of each leg brace, new spreading brace to hold the legs.



CRUSO STERLING, with Shelf. Extra Well Braced, Iron Truss Rod Under Each Step Running from Side to Side and Over a Truss Block.

Nos.	34	35	36	37
Length, ft.	4	5	6	7
W't, lbs.	14	17	19½	23
Each	$2.00	2.75	3.30	3.85
	AJJ	ABE	AEJ	AGE

Nos.	38	310	312
Length, ft.	8	10	12
W't, lbs.	25½	36	41
Each	$4.40	5.50	6.60
	BJE	BEJ	CJJ

Has wide steps, heavy sides and legs, and is well finished throughout. Has an absolute support for step.

COMMON AND EXTENSION.



Common. Extension.

COMMON.

Length, ft.	10	12	14
W't, lbs.	25	30	35
Each	$2.00	2.40	2.80
	AAE	ACE	AEE

Length, ft.	16	18	20
W't, lbs.	40	45	50
Each	$3.20	3.60	4.00
	AHJ	BBJ	BEJ

These ladders are well made of good material, the term common being used to designate the style of ladder and does not refer to the quality.

2 Section EXTENSION.

Length ft.	Length of Sections ft.	W't lbs.		Each.
20	8-12	60	CAJ	$5.00
22	10-12	66	CDJ	5.50
24	10-14	72	CGJ	6.00
26	12-14	78	DAJ	6.50
28	12-16	84	DDJ	7.00
30	14-16	90	DGJ	7.50
32	14-18	92	EAJ	8.00
34	16-18	102	EDJ	8.50
36	16-20	108	EGE	9.00
38	18-20	114	FBJ	9.50★
40	18-22	120	JFFJ	12.00★

Additional charge for ladders shorter than 42 feet in three sections, $1.40 each.

3 Section EXTENSION.

Length ft.	Length of Sections ft.	W't lbs.		Each.
42	16-14-12	147	JGGE	$12.60★
46	16-16-14	161	JHCE	13.80★
50	20-16-14	175	JIAJ	14.50★
54	20-18-16	190	JIHE	15.50★
58	20-20-18	210	AJFJ	16.50★
60	20-20-20	215	AAIJ	17.00★

Forty-two feet and longer furnished in three sections only.

★*FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.*

STEP LADDERS AND CHAIR SEATS.

STEP LADDERS.



Showing Steps Bolted to Standards.

Nos.	14	15	16	17
Length, ft.	4	5	6	7
W't, lbs.	14	17	20	24
Each	$2.90	3.60	4.30	5.05
	AGE	BAE	BFJ	CJJ
Nos.	18	110	112	
Length, ft.	8	10	12	
W't, lbs.	27	36	45	
Each	$5.75	7.20	10.10	
	CDE	DCJ	JFJE	

The front standards of the ⓇⒺⓋⓄⓃⓄⒸ are made of hardwood, straight grained maple or birch. The steps are of poplar or basswood, and the back standards of clear spruce. The steps are locked to the standards by means of bolts which are clamped by malleable clips under the head and nut. All danger of splitting the wood is positively eliminated by this arrangement.

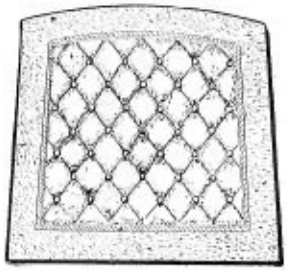


Heavy Basswood, Natural Finish, Heavy Japanned Iron Spreading Brace, with Shelf, Steps Braced by Wooden Supports.

Nos.	23	24	25	26
Length, ft.	3	4	5	6
W't lbs.	10	14	17	20
Each	$1.60	2.15	2.70	3.25
	JIE	ACJ	AFJ	AIE
Nos.	27	28	210	
Length, ft.	7	8	10	
W't, lbs.	23	27	35	
Each	$3.80	4.30	5.40	
	BBE	BFJ	CBE	

The ⓇⒺⓋⓄⓃⓄⒸ is made of the same grade material as the ⓇⒺⓋⓄⓃⓄⒸ, except that special nails are used in the steps instead of bolts.

CHAIR SEATS.

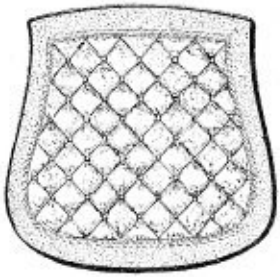


Black Fibre.

Dining, Stamped in Imitation of Leather

No. 130—In.	12	13	14	15
W't per doz., lbs.	5	6	7	8
Per dozen	$1.20	1.44	1.68	1.92
	JEE	JFJ	JGJ	JHJ

ONE DOZEN IN A PACKAGE.



Black Fibre.

Ball Top, Stamped in Imitation of Leather.

No. 120—Inches	12	13	14
W't per doz., lbs.	5	5½	6
Per dozen	$1.20	1.44	1.68
	JEE	JFJ	JGJ
No. 120—Inches	**15**	**16**	**18**
W't per doz., lbs.	7½	9½	11
Per dozen	$1.92	2.16	2.88
	JHJ	JIJ	AAJ

ONE DOZEN IN A PACKAGE.



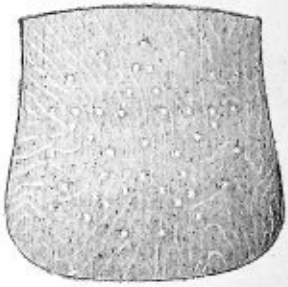
Black Fibre.

Round, Stamped in Imitation of Leather.

No. 140—Inches	12	13	14
W't per doz., lbs.	4	5	6
Per dozen	$1.20	1.44	1.68
	JEE	JFJ	JGJ

ONE DOZEN IN A PACKAGE.

CHAIR SEATS.



Wood.

Ball Top, Veneer, Birch Top, Oil Finished.

No. 60—Inches	12	13	14
W't per doz., lbs.	5	6	7
Per dozen	$1.44	1.56	1.68
	JFJ	JFE	JGJ
No .60—Inches	**15**	**16**	**18**
W't per doz., lbs.	8½	9½	12
Per dozen	$1.92	2.16	2.88
	JHJ	JIE	ABL

THREE HUNDRED IN A CRATE.

CARPET SWEEPERS.

BALL BEARING.



Ball Bearings.



Dust Proof Axle Tubs.


Brush Release and Anti-Raveler

Important as are ball bearings to the ease and comfort of sweeping, this is not the most important feature of these sweepers. They represent the experience of almost a generation in the manufacture of this important line, and embody every important improvement which has stood the test of time. They are absolutely noiseless, they sweep thoroughly, and are extremely attractive in appearance.

The Wood Work is the very best, thoroughly seasoned and beautifully finished in oak or mahogany.

Metal Ends—Each end is protected by a single piece of metal, nickel plated and highly polished, which not only serves as a protection, but secures for the working parts a perfect alignment and freedom from damage.

The Brush—The brush can be removed instantly by lifting the spring at either end, and can be as readily replaced. The sweeper has the patent broom action by which additional pressure on the handle will force the brush in closer contact with the floor. It is self-adjusting to all grades of carpet, and no pressure whatever need be put on the handle of the sweeper. A patent device on each end of the brush makes it impossible for ravelings to collect on the axle.

The Dust Pans—The sweeper may be opened on either side instantly by slight pressure on the push knobs.

The Handle—The sweeper will work in either direction, and in sweeping the handle can be held in any position and will remain in an upright position. An improved locking device secures the handle to the bail.

Ball Bearings—The four rubber-tired wheels are equipped with ball bearings of the most approved construction, reducing friction to a minimum. Each bearing consists of ten balls separated by a ball retainer and are absolutely uniform in size.

The Wheels—Made of pressed steel, as true as if turned in a lathe. The hubs are milled to an accurate fit. Fitted with soft rubber tires.



No. 28 —Assortment consists of one No. 24 mahogany, one No. 24 oak, and one No. 26 .
per assortment .....**JIJJ** $15.00



Showing Ball Retainer.



No. 24 —9x14½ in., beautifully finished in oak or mahogany, ball bearing, adjustable broom action, patent opening, braided guard, metal ends, full nickel plated trimmings, dust proof axle tubes, anti-raveler, reversible bail spring, patent brush release, w't per doz. 118 lbs.....per dozen **CABJ** $52.00

ONE-HALF DOZEN IN A CASE.

No. 26 —Special, 9x14½ in. crotch mahogany box, of improved construction and artistic shape, piano finish, ball bearing, adjustable broom action, patent opening, braided guard, metal ends, full nickel plated trimmings ,dust proof axle tubes, anti-raveler, reversible bail spring, patent brush release, w't per doz. 136 lbs.,
per dozen .....**DEFJ** $76.00



In this sweeper we have produced the finest machine in points of mechanism and finish,, that has ever been offered on the market.

The case of the "" Special" is distinctive and highly artistic. It differs from all other sweepers, in that the case is made in one continuous piece of veneer, with no joints or nail holes appearing. With a new and highly improved brush propelling power, it runs so easily a mere touch propels it.

ONE-HALF DOZEN IN A CASE.

VACUUM CLEANERS AND SWEEPERS.

ELECTRIC POWER.



Model D.

No. 322-E REVONOC—With 12 in. nozzle, for direct or alternating current, has ⅛ horse power universal type motor, 100 to 125 volts, 60 cycles, operates by patent switch, with wood piston grip handle, three permanent rollers on the machine and two on the rotary brush, brush easily removed by pressing to the right, height 6⅝ in., w't each 9 lbs. .....each **BEBJ** $30.00

ONE IN A CARTON.

ELECTRIC POWER.



No. 324-E—"Reliable," with 10 in. nozzle, for direct or alternating current, has 1-9 horse power universal type motor, 100 to 125 volts, 60 cycles, to operate by special switch, with straight wood grip handle, has three permanent rollers to allow machine to run easily over carpet, has a straight brush for picking up lint, height 6½ in., w't each 8 lbs., each .....**AFHJ** $19.95

HAND POWER.



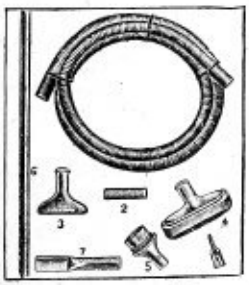
No. 240 REVONOC—Steel top, one piece, nickel plated steel sides, mahogany finish, w't per doz. 150 lbs., per dozen .....**EGFJ** $130.00

Construction.

1—Three bellows have a powerful and continuous action.
2—"T" shaped dust frame.
4—Heavy rubber tires and bumpers.
5—Steel ball bearings in one piece hangers insuring uniformity of assembling.
6—Spring clips for holding handle upright.
8—All metal parts best quality steel.
9—Dust pans open wide and close automatically.
10—Twelve-inch nozzle gets into the corners.
11—Brush revolving on metal bearings makes machine run easy.
13—Steel covers will not warp.

ONE IN A HEAVY CARTON; SIX OR TWELVE IN A CRATE.

EXTRA ATTACHMENTS FOR ELECTRIC CLEANERS.



Set consists of the following—

1—9 ft. best covered hose.

1 Nipple for hose to connect attachment.

1 Nozzle for furniture, draperies, mattresses, etc.

Brush for clothes, woodwork, etc.

1 Hose connection used to connect hose to machine.

1 Extension handle to reach high places.

1 Tool for cleaning books and radiators.

Set complete .....per set **FGJ** $7.50

Always state voltage wanted, and number of cycles, if for alternating current.

PRICES AND DATA ON LARGER CLEANERS; ALSO THE ABOVE FOR 220 VOLT CURRENT FURNISHED ON APPLICATION.

CARPET SWEEPERS AND BEATERS.

BALL BEARING CARPET SWEEPERS.



No. 18—American Queen, 14x9 in., reversible ball spring, dust proof axle tubes, nickel plated trimmings, beautifully figured mottled mahogany veneer case, piano finish, hand polished, w't per doz. 72 lbs., per dozen .....**CDHJ** $37.00



No. 19—Elite, 14x9 in., reversible ball spring, dust proof axle tubes, metal handle fastener, anti-raveler brush, nickel plated trimmings, oval case, made in Hungarian ash, curly birch mahoganized and Brazilian rosewood, w't per doz. 90 lbs., per dozen .....**CGBJ** $39.00



No. 20—Parlor Queen, 14x9 in., dust proof axle tubes, anti-raveler reversible bail spring, nickel plated trimmings, imported rosewood case, beautifully figured, highest quality piano finish, w't per doz. 72 lbs., per dozen .....**CHDJ** $40.00



No. 21—Grand, hotel size, 16x10 in., dust proof axle tubes, anti-raveler brush, reversible bail, pressed steel wheels, nickel plated trimmings, quarter sawed oak case, heavy braid furniture protector, w't per doz. 150 lbs., per dozen .....**DHJJ** $48.00

ONE-HALF DOZEN IN A CASE.

CARPET SWEEPERS.



No. 8—Bissell's Standard, 9x14 in., adjustable broom action, patent opening, rubber guard, patent spring for holding handle upright when not in use, japanned trimmings, w't per doz. 72 lbs. .....per dozen **BDJJ** $28.00



No. 10—Bissell's Universal, 9x14 in., adjustable broom action, patent opening, rubber guard, patent spring for holding handle upright when not in use, cyco bearing, dust proof axle tubes, anti-raveling collector, japanned trimmings, w't per doz. 72 lbs., per dozen .....**BFDJ** $30.00

No. 12—Bissell's Universal, 9x14 in., nickel plated trimmings, otherwise same as No. 10, per doz. **BHHJ** $32.00

ONE-HALF DOZEN IN A CASE.

CARPET BEATERS.



Just-Right.

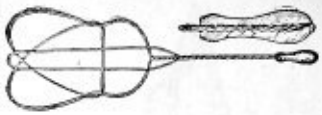
No. 17—Made of No. 10 coppered wire, length over all 30 in., width at widest spread 14¼ in., raised handle to protect knuckles, double braced, w't per doz. 8 lbs. .....per dozen **AJJ** $2.00



No. 4—Three strands No. 12 galvanized wire, braided, hardwood handle, 1⅛ in. heavy steel ferrule, length 30 in., w't per doz. 8 lbs. ..per dozen **JIJ** $2.50

ONE DOZEN IN A BUNDLE.

CARPET BEATERS.



Black Enameled Handles.

No. 7—Length 25 in., made of No. 12 tinned steel wire, w't per doz. 7 lbs., per dozen .....**AJJ** $1.70

No. 8—Length 30 in., made of No. 11 tinned steel wire, w't per doz. 9 lbs., per dozen .....**ACJ** $2.20

No. 9—Length 32 in., made of No. 10 tinned steel wire, w't per doz. 10 lbs., per dozen .....**AEJ** $2.50

Rigid and compact; well balanced. Wires in body twisted and braced by knitting.



No. 45—3 separate pieces of No. 12 coppered spring steel wire, securely held by strong iron braces, wood handle, length 36 in., w't per doz. 9 lbs., per dozen .....**BGJ** $4.00

An ideal carpet whip. It removes the dust quickly, as it strikes a large surface with its strong wire loops at every stroke, doing no damage to the carpet and so hung in the handle as to be perfectly balanced in the hand. Does not strain the wrist of the beater. Impossible to get loose in the handle.

ONE-HALF DOZEN IN A BUNDLE.



No. 14—Polished spring wire, smoothly woven, length 28 in., hard maple handle, brass ferrule, w't per doz. 4 lbs. .....per dozen **BBJ** $3.50

The reinforcement of rattan running through core and into handle preserves the shape, gives desired flexibility and prevents wires breaking and tearing fabrics.

ONE DOZEN IN A BUNDLE.

POLISHING MOPS, OILS AND WINDOW CLEANERS.

MEDICATED DUST CLOTHS.



No. 30—36x30 in., w't per doz. 2 lbs., per dozen .....AHJ $4.00

The chief advantage of this one over all other kinds of absorbing dusters is that it will not crock, stain or discolor clothing, wall papers, pictures, dainty furniture or anything to which it is applied. It takes away the dirt and leaves no other evidence of its having been around, except that it polishes shiny surfaces.

ONE IN A PACKAGE.

MEDICATED POLISHING MOP HEADS.



No. 6—Sanitary and absorbing, w't per doz. 6 lbs. .....per dozen BIJ $8.00

This is a dry mop, for use with any adjustable mop handle. It will wear almost indefinitely. It cleans the floors and polishes them at the same time.

ONE IN A PACKAGE.

MEDICATED FLOOR MOPS.



No. 07—White handle, 48 in. long, w't per doz. 14 lbs., per doz. JFJJ $12.00

This is especially designed for cleaning and polishing hardwood floors, linoleums, oilcloths, matting and painted and varnished floors. It picks up every particle of dust and lint, and polishes the floors as it goes along. You simply brush the floor lightly. No work at all. Will not stain or discolor white base boards.

FOUR DOZEN IN A BOX.

REVONOC OIL POLISHING MOPS.



No. 90—Small size, 54 in. removable handle, 5 in. head padded to protect furniture, extra quantity of thread, w't per doz. 30 lbs., per dozen.....JGHJ $15.00

No. 95—Large size, 7 in. head, w't per doz. 35 lbs., otherwise same as No. 90, per dozen .....JICE $18.00

When soiled, REVONOC mops may be washed and renewed with REVONOC Compound Oil of Cedar, an 8 oz. bottle of which goes with each mop.

ONE IN A LITHOGRAPHED TIN BOX; ONE DOZEN IN A CARTON.

REVONOC COMPOUND OIL OF CEDAR.



For Cleaning and Polishing Painted, Varnished or Waxed Woodwork, Furniture and Floors and For Re-Oiling Oil Mops. All Sizes Put Up in Glass Bottles with Patent Self-Sealing Cap.

Directions.

No hard rubbing or polishing required. Simply dampen a piece of cheese cloth, pour on a little REVONOC Compound Oil of Cedar and apply to surface, wiping with a dry cloth. When treating oil mops, allow a few minutes for oil to distribute before using.

One application produces a permanent, highly polished, piano gloss finish, making the surface brighter, richer and more lustrous than ever.

No. 213-P—1 gal. bottles, w't per doz. 100 lbs. .....per dozen AHIJ $31.50

No. 214-P—½ gal. bottles, w't per doz. 55 lbs. .....per dozen ABFJ $24.50

No. 215-P—¼ gal. bottles, w't per doz. 26 lbs. .....per dozen JFCJ $10.50

No. 216-P—⅛ gal. bottles, w't per doz. 12½ lbs. .....per dozen CGJ $6.20

No. 31P—8 oz. bottles, w't per doz. 12 lbs. .....per dozen BDJ $3.80

No. 21P—2½ oz. bottles, w't per doz. 6½ lbs. .....per dozen ABJ $2.00

REVONOC Compound Oil of Cedar is not gummy or sticky and will not darken the woodwork.

WINDOW CLEANERS.



Handle Malleable Iron Japanned, Upper Strip of Frrame Solid Brass ⅜ in. Wide, 1-16 in. Thick, Lower Strip ⅛ in. Wide, ⅛ in. Thick, Frames and Handles Fastened with Brass Screws.

No. 5—16 in. brass frame, w't per doz. 13 lbs. .....per dozen ABJJ $15.00

ONE IN A CARTON.

Cold Rolled Steel Frame, Nickel Plated.

No. 9—In.	14	16
W't per doz., lbs.	12	13½
Per dozen	$8.50	9.00
	DHJ	FJJ

ONE IN A CARTON.



Xlcr Galvanized Steel Frame, Pure Rubber.

CRUSO.

Nos.	310	312	314	316
Length, in...	10	12	14	16
W't, doz., lbs.	5	5½	6	6½
Per dozen	$4.80	5.40	6.00	7.50
	AHE	BJE	BDJ	BFJ

ONE DOZEN IN A BOX.



Galvanized Iron Frame and Handle, Double 1-16 in. Pure Gum Rubber.

IDEAL.

Nos.	112	114	116
Length, in.	12	14	16
W't per doz., lbs.	6	7½	9
Per dozen	$5.40	6.00	7.00
	AHJ	BJJ	BCJ

ONE IN A PASTEBOARD CARTON.

FLOOR SCRAPERS



3-16 Inch Rubber, Nailed.

No. 11—Cruso, 12 in., w't per doz. 6 lbs., per dozen .....AHJ $3.50

No. 25—Cruso, 16 in., w't per doz. 7 lbs., per dozen .....BAE $4.00

¼ Inch Pure Rubber, Screwed.

No. 140—Cruso, 14 in., w't per doz. 15 lbs. .....per dozen CJJ $5.00

No. 160—Cruso, 16 in., w't per doz. 21 lbs. .....per dozen CCJ $5.50

ONE DOZEN IN A BUNDLE.

MOPS, MOP STICKS, ETC.

MOP STICKS.



No. 1—Clark's, improved mop heads, w't per doz. 15 lbs., per dozen .....AJJ $1.60



No. 8. Nos. 4 and 10.

No. 8—Steel, tinned head, w't per doz. 15 lbs. .....per dozen ADJ $2.25
No. 4—Coppered head, w't per doz. 15 lbs. .....per dozen AAJ $2.00
No. 10—Janitor, extra heavy, coppered head, 52x1½ in., white handle, head 7¾ in., w't per doz. 25 lbs., per dozen .....BEJ $3.60

ONE DOZEN IN A BUNDLE.



No. 28—Janitor, wrought and malleable iron fork and head cast in one piece, doing away with all riveting, width of head 6⅝ in., wrought iron screw pin, plain handles, w't per doz. 25 lbs., per dozen .....DEJ $6.00
Will take the largest mop cloth made.

ONE DOZEN IN A BUNDLE.



No. A1—Combination, best grade rolled steel, face 4¼ in., tapered handle, 4 ft. 4 in. long, per dozen BFJ $4.00
High quality of material and simplicity of construction places on the market an article practically indestructible for purposes required. Low price warrants immediate purchase.

ONE DOZEN IN A BUNDLE.

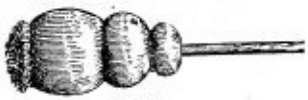
COTTON DISH MOPS.



No. 0—7¼ in. handle, w't per doz. ½ lb., per dozen .....DF $1.00
No. 2—8½ in. handle, w't per doz. 1 lb., per dozen .....JGJ $1.25

ONE DOZEN IN A PACKAGE.

HANDLED MOPS.

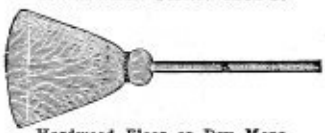


Cotton.

No. 12—12 oz., w't per doz. 22 lbs., per dozen .....BJJ $3.25
No. 16—16 oz., w't per doz. 28 lbs., per dozen .....BEJ $4.00
No. 18—18 oz., w't per doz. 29 lbs., per dozen .....BGJ $4.50
No. 24—24 oz., w't per doz. 19 lbs., per dozen .....CBJ $5.50
No. 032—32 oz., w't per doz. 24 lbs., per dozen .....DHJ $8.00

ONE-HALF DOZEN IN A BUNDLE.

HANDLED YARN MOPS.



Hardwood Floor or Dry Mops.

No. 56—Cruso, 16 oz., fine yarn, w't per doz. 23 lbs. ...per dozen JEAJ $10.00

ONE-HALF DOZEN IN A BUNDLE.

WRINGER MOPS.



No. 17—Self-wringing malleable castings throughout except cog wheels, which are cast iron, clear white hard maple handle, selected stock straight and free from knots, good grade cotton mop, w't per doz. 36 lbs., per dozen .....JFJJ $10.00

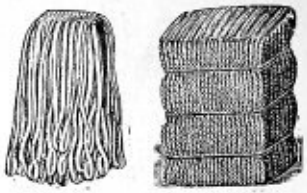
ONE-HALF DOZEN AND ONE DOZEN IN A BUNDLE.



No. 27—Erie, self-wringing, cotton knit cloth, fastened ready for use, w't per doz. 21 lbs. ....per dozen CCJ $6.50
No. 50—Extra cloths, knit cotton, cardigan stitch, adapted for Nos. 17 and No. 27 mop stick, w't per doz. 5 lbs., per dozen .....AHJ $3.00

ONE DOZEN IN A BUNDLE.

MOP HEADS.



Nos. 19 and 22. Nos. 32 to 38.

Cotton.

No. 19—W't per doz. 9 lbs., per dozen .....ACJ $2.50
No. 22—W't per doz. 12 lbs., per dozen .....AGJ $3.00
No. 25—W't per doz. 15 lbs., per dozen .....BAJ $4.00
No. 32—Extra grade cotton yarn, cut ends, w't per doz. 12 lbs., per dozen .....BFJ $5.25
No. 35—Extra grade cotton yarn, cut ends, w't per doz. 15 lbs., per dozen .....CBJ $6.50
No. 38—Extra grade cotton yarn, cut ends, w't per doz 18 lbs., per dozen .....CHE $7.75

ONE DOZEN IN A PACKAGE.

THREAD MOP.



No. 42—Extra grade cotton thread, w't per doz. 12 lbs., per dozen BEJ $5.00
No. 45—Extra grade cotton thread, w't per doz. 15 lbs., per dozen CAJ $6.00
Nos. 42 and 45 are used for hardwood floors.

ONE DOZEN IN A PACKAGE.

SCRUB BRUSH ASSORTMENT.



CRUSO Self-Seller Assortment.

No. 60—Consisting of 21 scrub and 4 stove brushes, viz., 4 No. 52, 3 each of Nos. 49, 54, 5, Spoke and Swan, 1 each of Nos. 85 and 86 scrubs, 2 each Nos. 342 and 334 stove, in a wooden hinged cover display box, w't 24 lbs., per assortment BGJ $4.50
Each brush numbered and display label inside cover, giving retail price of each.

SCRUB BRUSHES.

SELL IN FULL PACKAGES.

WHITE TAMPICO.



No. 49—6x2½ in., solid back, 5 rows white tampico, w't per doz. 4 lbs., per dozen ..... **EJ** $0.95



No. 50—8½ in., solid back, 4 rows white tampico, w't per doz. 4 lbs., per dozen ..... **JFJ** $1.00



No. 53—Special, 11 in., rounded edge, solid block, double pointed, white tampico, with raised ends, w't per doz. 7 lbs. .....per dozen **JIJ** $1.55



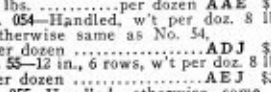
No. 053—Handled, w't per doz. 8 lbs., otherwise same as No. 53, per dozen ..... **AAE** $1.95



Double End, Solid Back, White Tampico.

No. 52—10 in., 4 rows, w't per doz. 5½ lbs. .....per dozen **JIJ** $1.50
No. 54—11½ in., 5 rows, w't per doz. 7 lbs. .....per dozen **AAE** $1.95
No. 054—Handled, w't per doz. 8 lbs., otherwise same as No. 54, per dozen ..... **ADJ** $2.20
No. 55—12 in., 6 rows, w't per doz. 8 lbs., per dozen ..... **AEJ** $2.40
No. 055—Handled, otherwise same as No. 55 .....per dozen **AGJ** $2.70

ONE DOZEN IN A BUNDLE.



CRUSO, Round Edge, Polished Solid Back, Double End, Selected White Tampico.

No. 1—8½ in., 5 rows, w't per doz. 5 lbs. .....per dozen **AJE** $1.80
No. 5—9½ in., 7 rows, w't per doz. 6 lbs. .....per dozen **ADJ** $2.60
No. 7—10½ in., 8 rows, w't per doz. 7 lbs. .....per dozen **AFJ** $3.10

ONE DOZEN IN A BOX.

DECK OR JANITOR SCRUB.



No. 85—10½x2¾ in., solid back, gray tampico, 3 rows, without handle, w't per doz. 15 lbs., per dozen **BBJ** $3.70

ONE DOZEN IN A BUNDLE.

RICE ROOT.



Double End, Solid Back, Rice Root.

No. 65—9½ in., 4 rows, without handle, w't per doz. 6½ lbs., per dozen ..... **AJJ** $1.60
No. 065—Handled, otherwise same as No. 65 .....per dozen **AAE** $1.90
No. 67—10½ in., 5 rows, without handle, w't per doz. 6 lbs., per dozen ..... **AEJ** $2.30
No. 067—Handled, otherwise same as No. 67 .....per dozen **AHJ** $2.60

ONE DOZEN IN A BUNDLE.

RICE ROOT.



Rice Root, Stapled.

No. 70—9 in. 2 rows, w't per doz. 4½ lbs., per dozen ..... **JFJ** $1.00
No. 72—9 in., 3 rows, w't per doz. 5½ lbs. .....per dozen **JIJ** $1.50

ONE DOZEN IN A BUNDLE.

MILK CAN.



No. 25—7x3 in., fall plain solid back, palmetto fibre, w't per doz. 5 lbs., per dozen ..... **ABJ** $2.30
No. 025—White tampico can, same pattern as No. 25, per dozen **JIJ** $1.90



Alderney, solid 7x2½ in., polished block, pure palmetto fibre, flared ends, w't per doz. 8½ lbs., per dozen ..... **BBJ** $5.00



Gong, Ox Fibre, per dozen **BJJ** $3.70

ONE DOZEN IN A BOX.

PALMETTO.



Solid Back, India Fibre, Five Rows.

No. 103—6x2⅝ in., w't per doz. 4 lbs., per dozen ..... **JHE** $1.35
No. 104—Special 4 row, 8x2⅝ in., w't per doz. 6 lbs.....per dozen **JIJ** $1.60
No. 109—10x2⅝ in., w't per doz. 7½ lbs., per dozen ..... **AAE** $2.00



No. 81—8x2¾ in., solid back, India fibre, 5 rows, w't per doz. 6½ lbs., per dozen ..... **JIJ** $1.55
No. 081—White tampico, otherwise same as No. 81 .....per dozen **JIJ** $1.55

These brushes are imitation Drake, Swan and Crocodile.

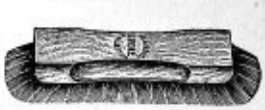
ONE DOZEN IN A PACKAGE.



Solid Back, Five Rows Genuine Palmetto Fibre.

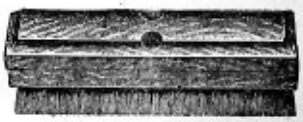
Drake, 6x2⅝ in., w't per doz. 4½ lbs., per dozen ..... **AAJ** $1.90
Swan, 8x2⅝ in., w't per doz. 7 lbs., per dozen ..... **ADJ** $2.30
Crocodile, 10x2⅝ in., w't per doz. 7½ lbs. .....per dozen **AGJ** $2.80

ONE DOZEN IN A BOX.



Spoke, 8x2¾ in., solid back, genuine palmetto fibre, 5 rows, w't per doz. 7½ lbs. .....per dozen **ADJ** $2.30

ONE DOZEN IN A BOX.



No. 86—Jumbo, 12x3 in., double thick solid back, 7 rows palmetto fibre, without handle, w't per doz. 21 lbs., per dozen ..... **BIE** $6.00

ONE DOZEN IN A BUNDLE.

BRUSHES.

NAIL.



No. 90—4 in., solid back, 3 rows white tampico, w't per doz. 2½ lbs., per dozen ..... **CJ** $0.55
No. 95—3¼x1¼ in., solid polished block, assorted—all white, white with gray center and all gray, w't per doz. 2 lbs., per dozen ..... **JDE** $1.30
No. 96—4x1⅜ in., solid polished block, 4 rows white tampico nail, w't per doz. 3 lbs. .....per dozen **EE** $0.80
No. 97—5x1⅜ in., solid polished block, 4 rows white tampico nail, w't per doz. 3½ lbs.....per dozen **JGJ** $1.00
No. 98—6x2 in., solid beveled rounded end, polished block, 5 rows white tampico nail, w't per doz. 4 lbs., per dozen ..... **JHJ** $1.40
ONE DOZEN IN A BOX; WE DO NOT BREAK BOXES.



No. 91. No. 21.

No. 91—4¾ in., oval beveled, polished solid block, 6 rows white tampico, w't per doz. 3 lbs., per dozen **JEE** $1.15
No. 21—Curved, 4½ in., solid polished back, 4 rows gray fibre, per dozen ..... **JEE** $1.20
ONE DOZEN IN A BOX.

KITCHEN OR VEGETABLE.



No. 92—Vegetable, 4½ in., solid back, 4 rows white tampico, w't per doz. 2 lbs. .....per dozen **CE** $0.60
ONE DOZEN IN A PACKAGE.



No. 93—Handled Vegetable, 4½ in., solid back, 4 rows white tampico, w't per doz. 3 lbs. .....per dozen **EJ** $0.95
ONE DOZEN IN A PACKAGE.

CUSPIDOR.



No. 0—Length 11 in., diam. 2 in., stiff bristles, w't per doz. 4 lbs., per dozen ..... **JIE** $1.70
ONE DOZEN IN A BOX.

REFRIGERATOR.



No. 48—6 in., fibre brush, tapered 1½ to 1 in., 42 in. flexible wire handle, per dozen ..... **JIJ** $1.50
For cleaning refrigerator pipes, etc.
LOOSE.

SINK.



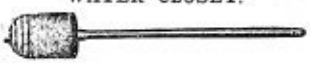
No. 40. No. 41.

No. 40—2¾ in., bassine fibre, wire drawn, tin bound, enameled wood handle, length 8 in. over all, w't per doz. 1¾ lbs.....per dozen **DE** $0.80
Can be boiled to clean.
No. 41—3¾ in., tempered steel wire bristles, wire bound, wood handle, 7 in. over all, w't per doz. 2 lbs., per dozen ..... **JHE** $1.60
For cleaning pots, kettles, pans, etc., and will scrape grease spots from floor.



No. 10—Length 7¾ in., 2 in. square face, white tampico bristles, w't per doz. 2 lbs. .....per dozen **JFJ** $1.20
No. 11—Length 11¼ in., 2½ in. square face, palmetto fibre, varnished handle, w't per doz. 4 lbs., per dozen ..... **JIE** $1.70
ONE DOZEN IN A BOX.

WATER CLOSET.



No. 0—3¼x7 in., tampico, straight handle, length 30 in., w't per doz. 6½ lbs., per dozen ..... **BFE** $4.50
No. 1—3¼x6 in., gray bristles, straight handle, length 30 in., w't per doz. 7 lbs. .....per dozen **CDJ** $6.00
No. 3—3¼x6 in., gray bristles, curved handle, length 28 in., w't per doz. 6 lbs. .....per dozen **CHE** $7.00
LOOSE.



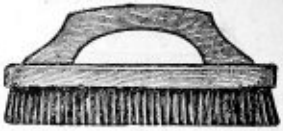
No. 4—18 in. over all, four strand heavy twisted wire shank with wood handle, curved loop brush, white tampico .....per dozen **BDJ** $6.00
HALF DOZEN IN A PACKAGE.

SHOE AND FURNITURE POLISHING MITTS.



No. 444—Cruso, 8x4½ in., leather back, lambs fleece polisher, duck packet for hand, w't per doz. 1 lb., per dozen ..... **BBJ** $4.00
This makes a particularly nice polisher for furniture, or an effective shoe polishing mitt.
ONE DOZEN IN A BOX.

SHOP STOVE.



No. 346—Luster shop, 10x2¼ in., straight, heavy varnished back, 8 rows 1¼ in. extra stiff black Canton bristles, specially adapted for shop use, w't per doz. 12 lbs., per dozen ..... **ACGJ** $24.00
ONE IN A BOX.

STOVE.



Straight, Flat Face Pattern.

No. 335—9½ in., plain solid back, white tampico center, gray outside, w't per doz. 5 lbs. .....per dozen **JIJ** $1.50
HALF DOZEN IN A PACKAGE.



Curved End Pattern.

No. 341—10½ in., stained cherry solid back, black fibre, w't per doz. 5 lbs., per doz. ..... **AAE** $1.80
No. 342—11 in., solid pointed block, gray fibre raised end, w't per doz. 7 lbs. .....per dozen **ADE** $2.50
No. 343—11 in. polished solid pointed beveled block, selected light gray fibre, w't per doz. 7 lbs., per dozen ..... **AEE** $3.00
No. 344—12 in., varnished solid back, all bristles, w't per doz. 6 lbs., per dozen ..... **BBJ** $4.20
NO. 341, HALF DOZEN IN A PACKAGE; BALANCE, ONE-HALF DOZEN IN A BOX.



Rocker Pattern.

No. 333—9½ in., curved solid back, all black fibre, w't per doz. 7 lbs., per dozen ..... **AAE** $2.00
No. 334—9 in., curved solid back, 6 rows soft gray fibre, w't per doz. 7 lbs., per dozen ..... **AEJ** $2.40
ONE DOZEN IN A BOX.

FURNACE BRUSHES.



No. 355—3½x6½ in., coarse fibre cylinder furnace brush on 4 ft. twisted heavy wire handle, w't per doz. 24 lbs. .....per dozen **DJJ** $7.20
For cleaning Furnaces and pipes.
LOOSE.

BRUSHES.

Our Brushes Are All Listed According to the Size of the Block, as is the Com Bristles have an Additional Spread from One to Three Inches.

FLOOR.



Black Hair Outside, Gray Fibre Center, Wire Drawn except 024 and 030 All Gray Fibre, Natural Finish Reversible Square Block.

Nos.	012	014	016
Back, in.	12	14	16
Per dozen	$10.00	12.00	13.00
	JFJJ	JGBJ	JHDJ
Nos.	024	030	
Back, in.	24	30	
Per dozen	$30.00	46.00	
	AGDJ	BEHJ	

For rough use. The above brushes vary in weight from 24 to 52 lbs. per dozen according to size.



Mixed All Gray Stapled Hair, Reversible Polished Cherry Solid Tapered Block, Handle to Match.

Nos.	112	114	116
Back, in.	12	14	16
Per dozen	$13.50	16.00	18.50
	JHGJ	AJEJ	ABCJ

For coarse work. Competition grade.



Extra Thick All Black Stapled Hair, No. Mixture, Polished Yellow Solid Reversible Straight Block with Handle to Match.

Nos.	214	216	218
Back, in.	14	16	18
Per dozen	$19.00	22.00	25.00
	ABCJ	ACHJ	AECJ

The best in a hair brush.
May be used wet or with oil.
The above brushes vary in weight from 18 to 20 lbs. per dozen, according to size.



Russ-Gray Bristles, Pitch Set, Stained Cherry Reversible Block with Rubber Corners, For Janitor and Public Building Use. Must Not be Used with Oil.

Nos.	614	616
Back, in.	14	16
Per dozen	$36.00	39.00
	BGFJ	CABJ
Nos.	618	620
Back, in.	18	20
Per dozen	$43.50	48.00
	CDHJ	CHDJ

The above brushes vary in weight from 33 to 40 lbs. per dozen according to size.

ABOVE BRUSHES ONE IN A BOX.

FLOOR.



Genuine Russia Long Gray, Thick Set Bristles, Polished Yellow Hardwood Reversible Block with Handle.

Nos.	414	416	418
Back, in.	14	16	18
Per dozen	$33.00	38.50	44.00
	BDJJ	BGJJ	BIGJ
Nos.	420	424	
Back, in.	20	24	
Per dozen	$49.00	60.00	
	CCFJ	DJHJ	

Must not be wet or used with oil.

Russia Pitch Set Gray Bristles, Polished Natural Reversible Solid Block with Screw Handle to Match. Competition Janitor Brush.

Nos.	0414	0416	0418
Back, in.	14	16	18
Per dozen	$28.50	31.40	35.50
	AHJJ	BJDJ	BBHJ

Must not be wet or used with oil.



Wire Set Gray Russian 2¾ in. Bristles, Polished Natural Finish Reversible Block and Handle, Rubber Bumper.

Nos.	716	718	720
Back, in.	16	18	20
Per dozen	$45.00	52.00	58.50
	CFJJ	DADJ	DFHJ

This brush can be wet, used on oiled floors or with oily sweeping compounds.

ABOVE BRUSHES WEIGH 22 TO 36 LBS. ALL ABOVE ONE IN A BOX.

FLOOR PICK UP.

For Hotels, Cafes, R. R. Waiting Rooms, Etc.



No. 44—7½ in. half round, polished cherry block with reversible holes, and 36 in. handle to match, 2½ in. outside cement set mixed gray Russian bristle, w't per doz. 11½ lbs. including handles, per doz. AJAJ $15.00

ONE-QUARTER DOZ. IN A BOX WITH HDLS.

ROUND WINDOW AND CAR BRUSHES.



No. 30—Round Window, 4¼ in., polished, wire solid hardwood block, thick set black hair, w't per doz. 13 lbs., per dozen .....$10.40 JFIJ

No. 250—Car Washer, 3½ in., mixed, Russion bristles, 6 in. diam., hardwood block, rubber edge, w't per doz. 18 lbs.....per dozen AEFJ $33.00

No. 300—Car Washer, 3½ in., all extra Russian bristles, w't per doz. 20 lbs., otherwise same as No. 250, per dozen .....BEHJ $38.50

NOS. 30, 250 AND 300, ONE IN A BOX.

WINDOW.

mon Practice of Manufacturers. The



No. 1—Spider or Cobweb, 11 in. over all, 7 in. block, gray bristles, w't per doz. 6 lbs. .....per dozen EGJ $8.80



No. 10—2½x8½ in., plain, half-round solid block, 7 rows gray fibre stapled, w't per doz. 12 lbs., per dozen .....BCJ $4.00

NOS. 1 AND 10, ONE-HALF DOZEN IN A BOX.

No. 20—2½x8½ in., varnished cherry heavy solid block, 7 rows black hair stapled, w't per doz. 12 lbs., per dozen .....DJJ $7.00



No. 22—2½x8 in., hardwood, round end block, 2½ in. thick, black hair, wire drawn, w't per doz. 12 lbs., per dozen .....DEJ $8.00

A splendid fifty-cent brush.



No. 50—Cruso, 2½x7 in., stained varnished reversible block, 8 rows stiff black hair, wire drawn, w't per doz. 12 lbs. .....per dozen FJJ $9.10

JANITOR AND CAR WINDOW.



No. 55—2½x8 in., polished hardwood reversible solid block, extra thick mixed gray hair center, pure black hair outside, wired, w't per doz. 12 lbs. .....per dozen JGEJ $12.00

No. 60—2¾x8½ in., natural finish block, 3¼ in. Russian gray bristles wire drawn, w't per doz. 12 lbs., per dozen .....AFBJ $21.50

NOS. 20, 22, 50, 55 AND 60, ONE IN A BOX.

ROUND WINDOW.



No. 40—Pope's Eye, black bristles pitch set, w't per doz. 7 lbs., per dozen .....ECJ $7.40

ONE-HALF DOZEN IN A BOX.

WINDOW BRUSH POLES.

Length, ft.	6	8	10	12
W't, doz., lbs.	12	15	20	31
Per dozen	$1.50	2.10	2.60	3.10
	JHE	ABJ	AEJ	AHJ

BRUSHES AND DUSTERS.

COUNTER BRUSHES.



No. 0—Handy, 6 in., polished back, soft bristles .....per dozen **BAJ** $3.70
For domestic use.



No. 1—8 in., oval polished back, all black fibre, wire drawn, per dozen .....**BJJ** $3.10
A good stiff brush.

No. 2—8 in., oval polished back, thick black fibre center, hair outside, wire drawn .....per dozen **BDJ** $3.70
For rough use.

No. 3—9 in., oval polished back, black bristles, white outside, wire drawn, per dozen .....**CHJ** $5.50
For domestic, factory and foundry use.



Round Polished Block and Handle, Wire Drawn, Thick Set Black Hair.

Nos.	7	8	9
Block, in.	7	8	9
Per dozen	$4.20	4.60	5.20
	BIJ	**CBE**	**CFJ**

Can be used where oil would loosen pitch set brush. For shop use.



Five Rows Bristles, Black Center, White Outside, Pitch Set, Polished Stained Oval Block and Handle.

Nos.	11	12	13
Block, in.	8	9	10
Per dozen	$7.00	8.00	9.00
	CIJ	**DEJ**	**EAJ**

HALF DOZEN IN A BOX.



Janitor and Factory.

No. 23—Special, 10x2½ in., long, all gray cement set bristles in 14 in. over all polished round hardwood block and handle, per doz. **EJJ** $8.25
ONE-HALF DOZEN IN A BOX.

No. 25—Extra Mill, 10x3 in. long, all bristle gray center black outside, cement set, 14 in. over all polished round back and handle, per dozen .....**JHFJ** $14.00
ONE IN A BOX.

WOVEN DOWN DUSTERS.



"NEVER SCRATCHED YET." "Wipe-up Dust Without Scattering," Soft Down Feathers, Woven into Cloth, Can Be Washed in Hot Ammonia Water, NO SOAP.

No. 111—7½x9 in. dusters, 11 in. enameled handle ....per dozen **AJAJ** $18.00
No. 112—8x10 in. dusters, 16 in. enameled handle ..per dozen **ACCJ** $25.50

RADIATOR BRUSHES.



No. 16—2 in., black stiff bristles held in twisted wire, enameled handle, length 20 in., w't per doz. 6 lbs., per dozen .....**BCE** $4.20
Useful also for cleaning out all nooks and corners.
ONE DOZEN IN A BOX.



No. 17—One 6 in. row black hair, long wood handle, w't per doz. 4 lbs., per dozen .....**BDJ** $4.50



No. 18—2¾x6 in., cylinder bristle, 27 in. over all, heavy twisted wire handle, per dozen .....**BDJ** $5.00
ONE DOZEN IN A CARTON.

WOOL DUSTERS.



Nos. 101 and 102.

Wire Frame, with Both Short and Long Handles.

No. 101—White wool, 10 in. wide, w't per doz. 12 lbs., per dozen . . **JFCJ** $11.00

No. 102—Tan wool, 12 in. wide, w't per doz. 15 lbs., per dozen . . **JGEJ** $13.00
ONE IN A BOX.



Colored Wool, Enameled Handle.

Nos.	000	00	0	4	6
Wool, in.	5½	6½	7½	9	10
Hndl., in.	7	8	9	12	12
Per doz.	$2.00	3.00	5.25	10.00	13.00
	ABJ	**AHJ**	**CBJ**	**JFJJ**	**JGHJ**

These dusters vary in weight from 2 to 7 lbs. per dozen according to size.
ONE DOZEN IN A BOX.

FEATHER DUSTERS.



STANDARD, Ninety Feathers, No Pointers, Enamel Screw Handle

Nos.	010	012	014
Feathers in.	10	12	14
Per dozen	$6.00	8.00	10.00
	AGJ	**BJJ**	**BDE**

A good competition duster.
ONE IN A PAPER SACK.

FEATHER DUSTERS.



EXTRA, One Hundred Tail and Wing Feathers, No Pointers, Enameled Screw Handle.

Nos.	12	14	16
Feathers, in.	12	14	16
Per dozen	$8.00	10.00	13.00
	BDJ	**JCBJ**	**JDAE**

The above dusters vary in weight from 4 to 7 lbs. per dozen according to size.
ONE IN A SEALED BAG.



SELECT, One Hundred and Twenty Selected Wide Tail and Wing Feathers, Tapered Leatheret Cuff.

Nos.	140	160	180
Feathers, in.	14	16	18
Per dozen	$14.00	16.50	19.00
	JDEJ	**JFCJ**	**JFIJ**

ONE IN A SEALED BAG.



JANITOR, One Hundred and Fifty Wide Select Wing and Tail Feathers, Screw Handle, Tapered Head and Cuff, Nickeled Ferrule.

Nos.	114	116	118
Feathers, in.	14	16	18
Per dozen	$18.00	20.00	22.00
	JGBJ	**JIJJ**	**AJEJ**

The above dusters vary in weight from 8 to 11 lbs. per dozen according to size.
ONE IN A SEALED BAG. HALF DOZEN IN A BOX.

OSTRICH FEATHER DUSTERS.



Selected Ostrich Feather, Enameled Handle.

Nos.	210	214	218	222
Feathers, in.	10	13	18	22
Per dozen	$11.00	22.50	48.00	55.00
	JFDJ	**ABIJ**	**BHEJ**	**CCJJ**

The above dusters vary in weight from 5 to 9 lbs. per dozen according to size.
ONE IN A PAPER SACK.

BRUSHES AND WHISK BROOMS.

CREAM SEPARATOR BRUSHES.



No. ½—3-32x6 in., spiral brass wire tube cleaner, **"Sharples,"** per dozen .....**CF** $0.60

No. 1—⅛x6 in., spiral brass wire tube cleaner, **"De Laval," "Empire," "U. S."** .....per dozen **CF** $0.66



No. 2—⅛x1½ in., cylinder fibre tube brush, 5½ in. over all, twisted wire handle, **"U. S. Improved,"** per dozen .....**BF** $0.44

No. 3—$\frac{7}{64}$x1½ in., cylinder fibre tube brush, 5½ in. over all, twisted wire handle, **"U. S. Old,"** per dozen .....**BF** $0.44

No. 4—$\frac{9}{64}$x1½ in., cylinder fibre tube brush, 7 in. over all, twisted wire handle, **"Sharples," "No. Western,"** per dozen .....**BF** $0.44

No. 5—⅛x2¼ in., cylinder fibre tube brush, 9½ in. over all, twisted wire handle, **"De Laval,"** per dozen .....**CJ** $0.50

No. 6—$\frac{9}{64}$x2¼ in., cylinder fibre feed tube brush, 2½ in. over all, twisted wire handle, **"Sharples,"** per dozen .....**BF** $0.50

No. 6¾—¾x1¾ in., flat fibre disc brush, 9 in. over all, twisted wire handle, **"Dairy Q"** .....per dozen **CF** $0.60



No. 7—1¼x3¼ in., cylinder fibre spout brush, 14 in. over all, twisted wire handle, **"U. S.,"** per dozen **CE** $0.65

No. 7½—¼x3 in., cylinder fibre spout brush, 12 in. over all, twisted wire handle, **"Dairy Q,"** per doz. **CF** $0.65

No. 8—2½x3 in., cylinder fibre spout brush, with wings, 12 in. over all, twisted wire handle, **"De Laval,"** per dozen .....**JEE** $0.95

No. 9—1x3½ in., cylinder fibre spout brush, 12 in. over all, twisted wire handle, **"Sharples"** and **"Domo No. 6,"** per dozen .....**CE** $0.66

No. 10—⅜x3 in., cylinder fibre spout brush, 15 in. over all, twisted wire handle, **"Davis"** and **"Domo No. 42,"** per dozen .....**DJ** $0.66

No. 10½—1¼x4 in., cylinder fibre spout brush, 11 in. over all, twisted wire handle, **"Empire,"** per dozen .....**JDH** $0.90

No. 11½—2x4 in., cylinder fibre spout brush, 14 in. over all, twisted wire handle, **"Omega," "National," "Iowa"** .....per dozen **JEE** $0.90

No. 19—⅛x2¼ in., cylinder fibre test milk bottle brush, 10 in. over all, twisted wire handle, per dozen .....**CB** $0.66

No. 20—1⅛x2¼ in., cylinder fibre test cream bottle brush, 10 in. over all, twisted wire handle, per dozen .....**DJ** $0.66

We have indicated in bold face type the machines for which the different brushes were designed; this does not, however, restrict their use to these exclusively, as they may be equally adapted to others similarly constructed.

CREAM SEPARATOR BOWL BRUSHES.



No. 12—2x3 in., palmetto cylinder, twisted wire handle, for Sharples Nos. 1, 2 and 3, per dozen **JFE** $1.10

No. 13—2½x4 in., palmetto cylinder, twisted wire handle, for Sharples Nos. 4, 6 and 9, per dozen **JIJ** $1.50

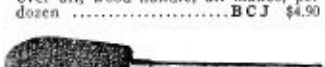


No. 14—3x5 in., light fibre wire set, 14 in. over all, wood handle, all makes .....per dozen **ABJ** $1.50

No. 15—3x5 in., black fibre, 14 in. over all, wood handle, all makes, per dozen .....**AGE** $2.90

No. 16—3x5 in., heavy fibre, 14 in. over all, wood handle, all makes, per dozen .....**BDJ** $4.00

No. 16½—3x5 in., palmetto fibre, 14 in. over all, wood handle, all makes, per dozen .....**BCJ** $4.90



No. 17—3x6, wire bound stiff bristles, wood handle, 15 in. over all, per dozen .....**BFJ** $6.00

Also suitable for goblet, dish, tumbler and bottle brushes.

ONE DOZEN IN A BOX.

DISH, TUMBLER AND BOTTLE WASHEING BRUSHES.



No .C—Black bristles, white wood handle, w't per doz. 2 lbs., per dozen .....**ABJ** $2.00

No. 01—White bristles, varnished handle, w't per doz. 2 lbs., per dozen .....**BAJ** $3.50

No. 03—Gray bristles, large size, white wood handle, w't per doz. 3 lbs., per dozen .....**BIJ** $4.80

MILK BOTTLE BRUSHES.



No. 36—Gray bristles, white wood handle, w't per doz. 3 lbs., per dozen .....**BDJ** $4.00

ONE DOZEN IN A BOX.

SILVER CLEANING BRUSHES.



No. 24—Soft white bristles, maple back, w't per doz. 1¾ lbs., per dozen .....**CBJ** $5.30

ONE-HALF DOZEN IN A BOX.

COUNTER BRUSHES.



Broom Corn, for Bench and Counter Use.

No. 00—Length 14¼ in., per dozen .....**BFJ** $5.20

ONE DOZEN IN A BOX.

WHISK BROOMS.



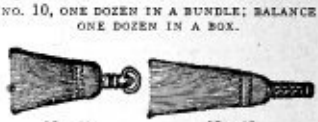
No. 10—10 in., 2 seams, hurl handle, w't per doz. 3 lbs., per dozen .....**AJJ** $1.70

No. 11—11 in., 3 seams, hurl handle, w't per doz. 4½ lbs., per dozen .....**AEJ** $2.50

No. 20—11 in., 3 seams, hurl handle, selected stock, w't per doz. 4½ lbs., per dozen .....**BDJ** $4.00

No. 24—12 in., 3 seams, hurl handle, selected stock, w't per doz. 5 lbs., per dozen .....**BHJ** $4.70

NO. 10, ONE DOZEN IN A BUNDLE; BALANCE ONE DOZEN IN A BOX.



No. 31. No. 35

No. 31—9 in., 2 seams, polished red handle, ringed, w't per doz. 3 lbs., per dozen .....**BCE** $4.30

No. 35—19 in., barbers', 3 seams, braided hurl handle, w't per doz. 6 lbs., per dozen .....**CJJ** $5.50

ONE DOZEN IN A BOX.

CLOTH BRUSHES.



No. 410—2⅛x8¼ in., solid block, stained and polished, all black, fibre center, hair outside, w't per doz. 5 lbs., per dozen .....**AEJ** $2.50

No. 415—2⅛x8¼ in., solid block, stained and polished, black fibre center, white hair outside, w't per doz. 6 lbs., per dozen .....**BAJ** $3.50

No. 420—2⅛x8½ in., solid oval block, stained and polished, all hair, black center, alternate black and white tufts outside, w't per doz. 6¼ lbs., per dozen .....**BGJ** $5.00

ONE-HALF DOZEN IN A BOX.

SHOE BRUSHES, HOLDERS, DRESSING, ETC.

SHOE POLISHERS.



No. 501—7x2 in., polished solid hardwood back, 5 rows all black hair, w't per doz. 3½ lbs., per dozen .....AHJ $3.00

No. 503—7¾x2½ in., polished natural finish solid hardwood back, 7 rows thick set all black hair, w't per doz. 5 lbs. .....per dozen BDJ $4.25

No. 508—8x2 in., polished hardwood back, long thick set soft all gray bristles, for tan shoes, w't per doz. 8 lbs., per dozen .....EJJ $8.50

ONE-HALF DOZEN IN A BOX.



No. 509—8x2¼ in., varnished back, removable double felt polisher, wire clamp, ½ in. felt cushion, black hair dauber, w't per doz. 5½ lbs., per dozen .....BAJ $3.75

ONE-HALF DOZEN IN A BOX.

SHOE BRUSHES.



No. 702—6 in., plain block, 5 rows black fibre, w't per doz. 5½ lbs., per dozen .....JIE $1.80

No. 705—6½ in. varnished block, 5 rows mixed black fibre, w't per doz. 7 lbs., per dozen .....ADE $2.50

No. 709—7½ in. stained and varnished beveled block, 6 rows all black, thick set fine fibre inside, hair outside, w't per doz. 8 lbs....per dozen BJE $3.50



No. 711—7 in. stained and varnished beveled block, 6 rows thick set all black hair, w't per doz. 8 lbs., per dozen .....BDJ $4.25

ONE-HALF DOZEN IN A BOX.

WALL SHOE HOLDERS.



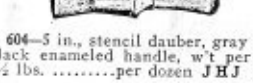
No. 66—Japanned, solid cast bracket, pressed steel arm and adjustable last, for all size shoes, w't per doz. 15 lbs., per dozen .....DHJ $8.50

ALL ABOVE, ONE DOZEN IN A BOX.

DAUBERS.



No. 604—5 in., stencil dauber, gray hair, black enameled handle, w't per doz. 1½ lbs. .....per dozen JHJ $1.50



No. 602—Black bristles, 7 in. plain wood handle, w't per doz. 1½ lbs., per dozen .....DEJ $0.80



No. 610 No. 608.

No. 608—Coppered malleable iron, with mud hook, 5½ in. handle, black bristles, w't per doz. 2 lbs., per dozen .....JIJ $1.60

No. 610—Long black bristles, tinned iron head, 6 in. oval handle with mud hook, w't per doz. 3 lbs., per dozen .....BBJ $4.00

ALL ABOVE, ONE DOZEN IN A BOX.

SHOE DRESSING.



No. 8.



No. 20.

No. 8—Liquid dressing, for ladies' and children's fine black shoes, applied with sponge on cork, dries bright, requires no brushing, 4 oz. bottles, per dozen .....JHE $1.50

No. 20—Tan, 2 oz. bottle of cleaner and small box of paste polish, per dozen .....JHE $1.50

No. 30—Black, 2 oz. bottle of cleaner and small box of paste polish, for box calf, enamel, etc., per doz. JHE $1.50





No. 40. Nos. 2½ and 3.

No. 40—Shoe Cream, paste, ¼ lb. opal glass jars, metal screw top, in carton, for all black leathers, cleans, oils and polishes, applied with brush and rubbed .....per dozen BBJ $4.00 *(The gentlemen's package.) Avoid freezing.*

No. 2½—"2 in 1," **TAN**, cleans, preserves and polishes, in 3½ oz. boxes, per dozen .....JIJ $1.60

No. 3—"2 in 1," **BLACK** shoe polish, 3½ oz. box. Preserves the leather, widely advertised, per dozen .....JIE $1.60

SHOE POLISH.





Nos. 250 and 350. No. 375.

No. 250—Eagle, tan paste polish, 1 oz. box .....per dozen DJ $0.70

No. 350—Eagle, black paste polish, for all black leathers, etc., 1 oz. boxes, per dozen .....DJ $0.70

Makes brightest waterproof polish, apply with dauber, brush and rub.

No. 375—Stayshine Cream, paste, 3 oz. boxes, a cleaner, blackener, preservative and polish in one, for all black leathers, applied with dauber, brushed and rubbed with cloth, per dozen .....JIE $1.60

ONE DOZEN IN A BOX.

SHOE BLACKING.





No. 5. No. 00.

No. 5—Challenge, 2¼x3⅛ in. boxes, Mason's original....per dozen DJ $0.75

No. 00—French, 2x3⅛ in. boxes, per dozen .....JHJ $1.40

ONE DOZEN IN A PACKAGE.

BATH ROOM STOOL AND SHOE SHINING CABINETS.



No. 03-D—13½x10¼ in. top, 17½ in. high, oak finish, heavy mission pattern, w't per doz. 144 lbs., per doz. BEBJ $45.00

ONE IN A CRATE.

BROOMS.

HOUSE.



No. 226.

No. 120—Common, broom corn, 4 seams, plain handle, w't per doz. 20 lbs., per dozen .....**CCJ** $4.50

No. 122—Kitchen, good quality broom corn, 4 seams, purple calico neck, fancy label, plain handle, w't per doz. 22 lbs.....per dozen **CGJ** $5.20

No. 125—Carpet, good quality broom corn, 5 seams, red calico neck, fancy label, plain handle, w't per doz. 25 lbs.....per dozen **DBJ** $6.00

No. 226—Extra Carpet, selected broom corn, 5 seams, green plush neck, fancy label, first quality plain handle, separate manila wrappers, w't per doz. 26 lbs. .....per dozen **DFE** $8.00



No. 328.



Nos. 1 and 2.

No. 328—Black Calla Lily, fine stemless broom corn, 5 seams, fancy braided neck, fancy label, black enameled handle, each broom in separate manila wrapper, w't per doz. 28 lbs., per dozen .....**JFJJ** $10.00

No. 1—Toy or Hearth, common broom corn, 2 seams, varnished and striped handle, w't per doz. 5½ lbs., per dozen .....**AJE** $2.00

No. 2—Toy or Hearth, common broom corn, 2 seams, plush neck, blue enameled handle, w't per doz. 5½ lbs., per dozen .....**ACE** $2.80

HOUSE.



No. 136. No. 144.

No. 130—Railroad, coarse heavy broom corn, 4 seams, plain handle, w't per doz. 30 lbs. ....per dozen **DBE** $7.20

No. 136—Extra Heavy Barn, coarse heavy broom corn, 5 seams, first quality plain handle, w't per doz. 36 lbs. .....per dozen **DHJ** $8.30

No. 144—Wire Bound Warehouse, extra heavy, coarse broom corn, with hickory splints in center, 3 heavy wires, first quality plain handle, w't per doz. 44 lbs....per dozen **JECE** $10.00



Nos. 53 & 54. No. 52.

No. 53—Warehouse, heavy corn with bamboo center, steel bound, w't per doz. 30 lbs. .....per dozen **DBJ** $6.50

No. 54—Warehouse, extra heavy corn with bamboo center, steel bound, w't per doz. 36 lbs...per dozen **DEE** $7.70

No. 52—Switch, rattan, metal bound, riveted, double wired, 1 seam, plain handle, w't per doz. 27 lbs., per dozen .....**DEJ** $6.00

STREET.



No. 212—Steel, 4 rows, 12 in. block, with handle, w't per doz. 50 lbs., per dozen .....**DJE** $8.00

STABLE.



6 Rows Flat Steel Wire, Flared Ends, with Handle.

No. 17 REVERSIBLE—12 in. wood block, 14 in. sweep, w't per doz. 50 lbs., per dozen .....**JFCJ** $12.00

No. 18 REVERSIBLE—14 in. wood block, 18 in. sweep, w't per doz. 57 lbs., per dozen .....**JGBJ** $12.80

For asphalt or other smooth surfaces, universally adopted for street cleaning departments and street railways.



4 Rows Rattan, with Handle.

No. 14—14 in. regular block, w't per doz. 53 lbs. .....per dozen **EDJ** $7.50

No. 16—16 in. regular block, w't per doz. 54 lbs. .....per dozen **FJJ** $8.50



4 Rows Bass Fibre, with Handle.

No. 140—14 in. block, w't per doz. 42 lbs. .....per dozen **JGBJ** $11.50

No. 160—16 in. block, with handle, w't per doz. 45 lbs., per doz. **JHDJ** $12.50

4 Rows Good Quality Rattan, with Handle.

No. 24—14 in. turned block, w't per doz. 50 lbs.....per dozen **JEGJ** $11.00

No. 26—16 in. turned block, w't per doz. 54 lbs. .....per dozen **JFCJ** $11.50

4 Rows Good Quality Bass Fibre, with Handle.

No. 240—Cruso, 14 in. turned block, w't per doz. 43 lbs., per doz. **JGBJ** $12.00

No. 260—Cruso, 16 in. turned block, w't per doz. 46 lbs., per doz. **JHGJ** $13.00

4 Rows Good Quality Bass, Rattan Center, with Handle.

No. 340—14 in. turned block, w't per doz. 24 lbs.....per dozen **JFFJ** $12.00

No. 360—16 in. turned block, w't per doz. 26 lbs....per dozen **JGHJ** $13.00

STABLE BROOM HANDLES.

No. 20—For stable brooms, w't per doz. 20 lbs. .....per dozen **JGJ** $1.50



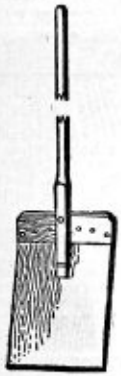
4 Rows Bass Fibre with Reversible Handle and Steel Scraper.

No. 440—14 in. regular block, w't per doz. 50 lbs.....per dozen **JIJJ** $14.00

No. 460—16 in. regular block, w't per doz. 55 lbs.....per dozen **AJEJ** $16.00

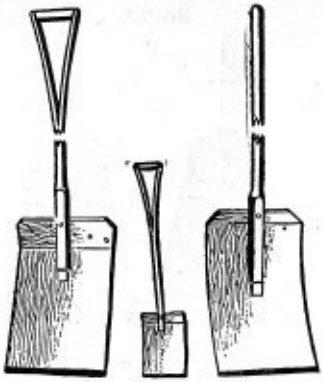
The steel scrapers can be changed as the handle is reversed from one side to the other.

SNOW SHOVELS.



No. 3-W—Basswood blade, 11½x18 in., straight handle, folded steel tip, steel back plate, w't per doz. 32 lbs., per dozen .....**BDJ** $3.60

No. 2-W—Basswood blade, 12x18 in., varnished, straight handle, folded steel tip, steel back plate, w't per doz. 34 lbs. ....per dozen **BIJ** $4.50

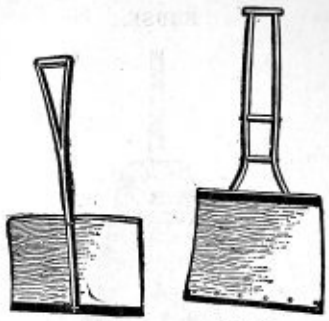


No. 02. No. 6. No.1-W.

No. 02—Basswood blade, 12x18 in., varnished, D handle, folded steel tip, steel back plate, w't per doz. 34 lbs., per dozen .....**CBJ** $5.00

No. 1-W—Basswood bent blade, 12x18 in., varnished, straight handle, folded steel tip, steel back plate, w't per doz. 34 lbs. .....per dozen **CCJ** $5.20

No. 6—Youngster, basswood blade, 7x10 in., varnished, D handle, without steel tip, w't per doz. 10 lbs., per dozen .....**ABJ** $1.90



No. 20. No. 35.

No. 20—Dispatch, basswood blade, 14x20 in., hardwood D handle, strengthened by steel strips on sides, w't per doz. 34 lbs., per dozen .....**CIJ** $6.00

No. 35—Bonanza, blade 19x24 in., made of three thicknesses of maple, glued crosswise and oiled, wide steel point, bent hardwood handles, bolted, w't per doz. 71 lbs. ....per dozen **AJEJ** $17.00

TOY.



No. 27—Galvanized steel blade, bottom 10½ in., top 8½ in., height 7 in., varnished hardwood D handle, securely riveted to blade, w't per doz. 9 lbs., pe. dozen .....**AGJ** $2.50



No. 350. No. 40. No. 015.

No. 350—Steel blade, 14x15 in., 4 ft. hardwood handle securely attached to blade with two ¾ in. bolts, w't per doz. 55 lbs. ....per dozen **CFJ** $5.50

No. 40—Steel blade, 11½x15 in., socket strap, selected long ash handle, w't per doz. 60 lbs...per dozen **CFJ** $5.50

No. 015—Steel blade, 11½x15 in., socket strap, selected hickory handle, malleable D top, w't per doz. 60 lbs., per dozen .....**DEJ** $7.00

ONE-HALF DOZEN IN A CASE.



No. 34—Galvanized steel blade, bottom 21 in., top 16 in., height 16 in., best seasoned ash handle, w't per doz. 62 lbs. .....per dozen **JHAJ** $13.00

No. 33—Galvanized steel blade, 17x15½ in., w't per doz. 52 lbs., otherwise same as No. 34., per doz. **JGEJ** $12.00

ONE-HALF DOZEN IN A CASE.

SIDEWALK CLEANERS.

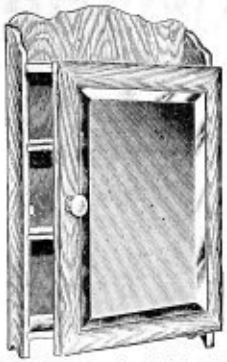


No. 2—Sidewalk Cleaners, solid shank, half polished blade 6½ or 7 in. wide, 5 in. deep, 4½ ft. handle, bold bronze steel ferrule, w't per doz. 37 lbs., per dozen .....**CHJ** $6.00

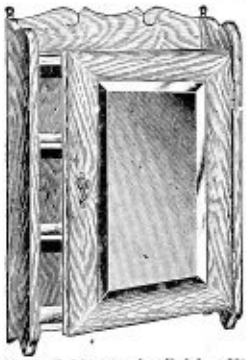
SNOW SHOVELS, ONE-HALF DOZEN; SIDEWALK CLEANERS, ONE DOZEN IN A BUNDLE.

MEDICINE CABINETS AND CLOCK SHELVES.

MEDICINE CABINETS.



No. 242—Golden oak finish, 22½ in. high, 12½ in. wide, 4½ in. deep, fitted with bevel French mirror 10x14 in., each .....**BAE** $3.60

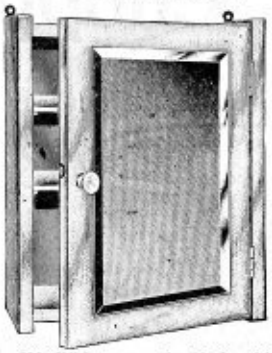


No. 240—Golden oak finish, 22½ in. high, 14¼ in. wide, 5 in. deep, fitted with bevel French mirror 10x14 in., each .....**BIJ** $4.80



No. 235—White enamel, 16½ in. high, 12⅜ in. wide, 4½in. deep, fitted with bevel French mirror 10x14 in., each .....**BAE** $3.60

MEDICINE CABINETS.



No. 226—White enamel, 18 in. high, 14 in. wide, 6 in. deep, fitted with bevel French mirror, 10x14 in., each .....**CJJ** $5.00



No. 240½—White enamel, 22½ in. high, 14¼ in. wide, 5 in. deep, fitted with bevel French mirror 10x14 in., each .....**CFG** $6.00



No. 236—White enamel, 22 in. high, 15½ in. wide, 7 in. deep, fitted with French mirror 10x14 in., each .....**EAJ** $8.50

CLOCK SHELVES.



No. 371—12½x5 in., golden oak finish, w't 2 lbs., each .....**AH** $0.26



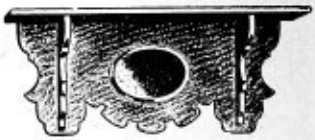
No. 615—14x5 in. golden oak finish, w't 1½ lbs., each .....**DE** $0.56



No. 370—18x6 in., golden oak finish, w't 1½ lbs., each .....**DE** $0.58



No. 368—24x7½ in., oak finish, w't 4 lbs., each .....**FE** $0.90

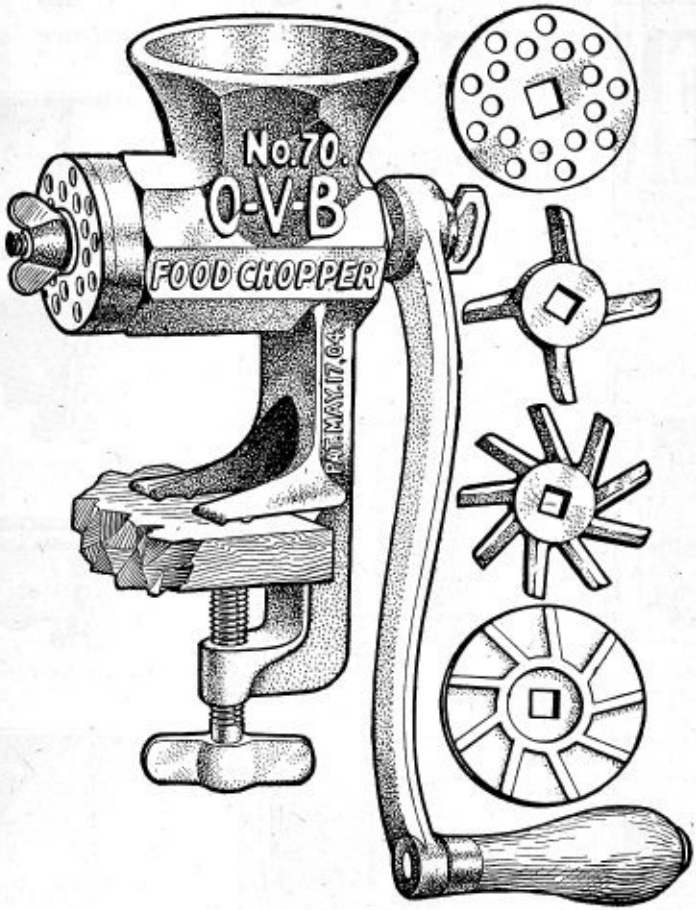


No. 403—18x6½ in., golden oak finish, French bevel mirror, w't 1½ lbs., each .....**JGE** $1.10



No. 612—22x7 in. top shelf, 6x16 in. lower shelf, oak, golden finish, w't 5 lbs., each .....**AEJ** $2.10

Do You Know That This is the Best Food Chopper Made?



OVB OUR VERY BEST is the Very Best

FOOD CHOPPERS—PAGES 924 and 925.

ENAMELED WARE

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

ENAMELED WARE.

We show on the following pages seven distinctive lines ranging from the very Highest Quality Colored Wares with White Lining to Popular Priced Gray Wares.

CHRYSOLITE.

Highest Quality, Three Coats of Enamel on Heavy Steel Base, outside Green with White Veined Markings, inside Pure White, deep Blue Edges. None but the Best Materials obtainable, are used in the production of this ware, which is free from all harmful ingredients and proof against any acids found in cooking and Absolutely Sanitary.

NUBLU.

Of shapes the same as Chrysolite—Three Coats of Enamel, Solid Blue outside with White Lining.

IRIS.

A New Line of Blended Ware made on the same shapes as Chrysolite and Nu-Blu, Color Outside the Beautiful Blue Blend of the Iris, with White Lining. This ware is produced by a New Process, Enamel being applied Evenly and Smoothly by Air Pressure, producing utensils not only Attractive but Possessing Unusual Wearing Qualities.

REVONOC

A Medium Priced Ware of Quality. Three Coats of Enamel on Steel Base, outside Mottled Blue and White with White Lining.

CRUSO.

A line which will give satisfaction in Service at Reasonable Price.

AMERICAN ALL WHITE.

High Quality, White-White Ware with Black Bead, all Shapes Seamless. Gas and Electric Welded Spouts, Ears and Handles. Especially desirable for Hospitals and Public Institutions.

H. S. B. & CO. IMPORTED SWEDISH WHITE WARE.

Beautifully finished, White-White Ware with Blue Bead. Especially adapted for Boarding, Lumber and Construction Camps, and used very largely in Public Institutions and Hospitals.

CHRYSOLITE ENAMELED WARE.

SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PAR IS, 1900. Entire page DJ %
Three Coats of Enamel, Outside Green with White Vein Mar kings, Inside White, Edge Deep Blue.

TEA POTS.



SEAMLESS, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9	11	12
Listed capacity, qts.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't, doz., lbs.	13	15	18
Per dozen	$9.00	10.50	11.50

Nos.	13	14
Listed capacity, qts.	3	4
Size, in.	6x7¼	6½x7¾
W't per doz., lbs.	21	24
Per dozen	$13.50	15.00

NO. 9, THREE DOZEN; NO. 11, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

LIPPED COFFEE POTS.



SEAMLESS, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9½	11½	12½
Listed capacity, qts.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't, doz., lbs.	13	15	18
Per dozen	$9.00	10.50	11.50

Nos.	13½	14½	15½
Listed capacity, qts.	3	4	5
Size, in.	6x7⅝	6½x7¾	6⅞x8⅜
W't, doz., lbs.	21	24	27
Per dozen	$13.50	15.00	17.00

NO. 9½, THREE DOZEN; NO. 11½, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

TEA KETTLE STEAMERS.



No. 50—1½ qt., seamless, without cover—tea kettle cover will fit—for Nos. 7, 8 and 9 tea kettles, w't per doz. 12 lbs.....per dozen $6.00

FOUR DOZEN IN A CASE.

COFFEE BOILERS.



Flat Bottom, Enameled Cover, Tinned Bail, Blue Handle.

Nos.	60	70
Listed capacity, qts.	4½	6
Size, in.	8⅛x8⅜	8⅜x9
W't per doz., lbs.	30	36
Per dozen	$16.00	18.00

Nos.	80	90
Listed capacity, qts.	8½	11½
Size, in.	9⅛x9⅜	10¼x10½
W't per doz., lbs.	39	48
Per dozen	$20.00	24.00

NO. 90, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A CASE.

TEA KETTLES.



PRINCESS, Flat Seamless Bottom, Enameled Cover, Tinned Bail, Mahogany Finish Wood Grip.

Nos.	6	7
Actual capacity, qts.	4	5
Bottom, in.	8¼	9
W't per doz., lbs.	27	36
Per dozen	$17.50	20.25

Nos.	8	9
Actual capacity, qts.	7	8
Bottom, in.	9¾	10½
W't per doz., lbs.	42	48
Per dozen	$23.00	27.00

ONE DOZEN IN A CASE.



SEAMLESS, Flat Bottom, Enameled Cover, Tinned Bail, Mahogany Finish Wood Grip.

No. 80—Actual capacity 7 qts., bottom 10⅝ in., w't per doz. 39 lbs., per dozen $25.75

ONE DOZEN IN A CASE.

"BERLIN" SAUCE PANS.



SEAMLESS, Enameled Cover, Blue Handle,

Nos.	02	03	04
Quarts—listed capacity	2	3	4
Size, in.	5½x4	7⅛x4½	8¼x4⅞
W't, doz., lbs.	18	24	27
Per dozen	$6.50	8.00	10.00

Nos.	06	08
Quarts—listed capacity.	6	8
Size, in.	9¼x5¾	10⅜x6
W't per doz., lbs.	33	39
Per dozen	$12.00	15.00

NOS. 02, 03 AND 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

"BERLIN" KETTLES.



SEAMLESS, Enameled Cover, Tinned Bail, Mahogany Finish Wood Grip.

Nos.	02	03	04
Quarts—listed capacity	2	3	4
Size, in.	5½x4	7⅛x4½	8¼x4⅞
W't, doz., lbs.	18	21	27
Per dozen	$6.50	8.00	10.00

Nos.	06	08
Quarts—listed capacity.	6	8
Size, in.	9¼x5¾	10⅜x6
W't per doz., lbs.	33	39
Per dozen	$12.00	15.00

Nos.	010	012
Quarts—listed capacity.	10	12
Size, in.	11½x6¾	11⅝x7⅛
W't per doz., lbs.	51	54
Per dozen	$20.00	25.00

NOS. 02 AND 03, THREE DOZEN; NO. 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

TEA STEEPERS.



No. 1—1½ pt., 4¼x3½ in., seamless, enameled cover, spun knob, w't per doz. 7½ lbs.....per dozen $6.00

SIX DOZEN IN A CASE.

CHRYSOLITE ENAMELED WARE.

Entire page DJ % SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PARIS, 1900.
Three Coats of Enamel, Outside Green with White Vein Markings, Inside White, Edge Deep Blue.

LIPPED PRESERVING KETTLES.



Tinned Bail, Mahogany Finish Wood Grip

Nos.	180	200	220
Quarts—listed capacity	2½	3	4
Size, in.	7¾x3⅝	8¼x3¼	9⅛x4
W't, doz., lbs.	15	16	18
Per dozen	$5.00	6.00	7.00
Nos.	**240**	**260**	**280**
Quarts—listed capacity	5	6	8
Size, in.	9¾x4⅛	10¼x5	11⅜x5⅝
W't, doz., lbs.	21	28	33
Per dozen	$8.00	9.00	10.50
Nos.	**300**	**320**	**340**
Quarts—listed capacity	10	12	13½
Size, in.	11⅞x5½	12½x6	13½x6½
W't, doz., lbs.	36	40	43
Per dozen	$12.50	15.00	17.00
Nos.		**360**	**400**
Quarts—listed capacity.		15	18
Size, in.		13⅜x6⅝	14¼x7
W't per doz., lbs.		45	54
Per dozen		$18.00	24.00

NOS. 180 AND 200, FOUR DOZEN; NO. 220, THREE DOZEN; NOS. 340, 360 AND 400, ONE AND ONE-HALF DOZEN; BALANCE, TWO DOZEN IN A CASE.

STRONG LIPPED SAUCE PANS.



Nos.	12	14	16
Quarts—listed capacity	1	1½	2
Size, in.	6x2¼	6⅜x3⅛	7⅛x3⅛
W't, doz., lbs.	6	9	12
Per dozen	$3.25	3.50	4.00
Nos.	**18**	**20**	**22**
Quarts—listed capacity	2½	3	4
Size, in.	7¾x3⅝	8⅛x3¼	9⅛x4
W't, doz., lbs.	15	16	18
Per dozen	$5.00	6.00	7.00
Nos.	**24**	**26**	**28**
Quarts—listed capacity	5	6	7½
Size, in.	9⅞x4⅝	10⅜x5	11⅝x5⅝
W't, doz., lbs.	21	28	33
Per dozen	$8.00	9.00	10.50

NOS. 12, 14 AND 16, FOUR DOZEN; NOS. 18 AND 20, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.

CEREAL COOKERS.



SEAMLESS, Enameled Cover, Blue Handle.

Nos.	16	18	20
Steamer, actual capacity, qts.	1½	1¾	2
Size steamer, in.	5⅛x4½	5¼x4⅞	6⅛x4⅞
W't, doz., lbs.	30	35	39
Per dozen	$12.50	15.00	17.50
Nos.		**22**	**24**
Steamer, actual capacity, qts.		2½	3
Size steamer, in.		6¼x6⅝	7¼x7⅛
W't per doz., lbs.		48	60
Per dozen		$20.00	22.50

ONE DOZEN IN A CASE.

FRY PANS.



Deep Lipped, Blue Handle.

Nos.	3	4	5
Bottom, in.	7½	8	9
W't, doz., lbs.	15	16	19
Per dozen	$5.50	6.50	7.50

NOS. 3 AND 4, SIX DOZEN; NO. 5, FOUR DOZEN IN A CASE.

SAUCE OR STOCK POTS.



SEAMLESS, Wire Handles.

No. 12—Listed capacity 12 qts., size 10x10½ in., w't per doz. 48 lbs., without cover.....per dozen $16.25

SEAMLESS, Hollow Handles.

Nos.	16	20	24
Quarts—listed capacity	16	20	24
Size, in.	9x12½	9½x13	10¾x13¼
W't, doz., lbs.	56	60	72
Without cover, per dozen	$20.00	24.50	29.00

NO. 24, ONE-THIRD DOZEN; BALANCE, ONE-HALF DOZEN IN A CASE.

MILK PANS.



Seamless, Straight.

Nos.	30½	31	32
Quarts—listed capacity	½	1	2
Size, in.	6x1⅝	6¼x1⅝	8⅛x2⅛
W't, doz., lbs.	5	5½	8
Per dozen	$2.25	2.50	3.50
Nos.	**33**	**34**	**35**
Quarts—listed capacity	3	4	5
Size, in.	8⅞x2⅛	10⅝x2½	11⅝x2⅝
W't, doz., lbs.	9	17	19
Per dozen	$4.00	5.00	5.50
Nos.	**36**	**38**	**310**
Quarts—listed capacity	6	8	10
Size, in.	12¼x2¾	13¼x2⅞	14⅛x3
W't, doz., lbs.	21	26	28
Per dozen	$6.00	6.75	8.00

NOS. 30½ TO 35, SIX DOZEN; NOS. 36 TO 310, THREE DOZEN IN A CASE.

DISH PANS.



Extra Deep, Hollow Handles.

Nos.	510	514	517
Quarts—listed capacity	10	14	17
Size, in.	14½x5	16¼x5¾	17½x5⅝
W't, doz., lbs.	36	45	52
Per dozen	$12.50	15.00	17.50
Nos.		**521**	**530**
Quarts, listed capacity.		21	30
Size, in.		19⅛x6	21x6¾
W't per doz., lbs.		60	72
Per dozen		$20.00	30.00

ONE DOZEN IN A CASE.

PUDDING PANS.



Round.

Nos.	16	17	18
Quarts—listed capacity	1	1½	2
Size, in.	7⅛x2½	7¼x2⅞	8⅛x3
W't, doz., lbs.	7	9	11
Per dozen	$3.00	3.50	4.00
Nos.	**19**	**20**	**21**
Quarts—listed capacity	3	4	5
Size, in.	9¼x3¼	10¼x3⅜	11x3½
W't, doz., lbs.	13	17	19
Per dozen	$4.50	5.00	5.50
Nos.		**22**	**23**
Quarts—listed capacity.		6	7
Size, in.		11⅞x3⅝	12¼x3¾
W't per doz., lbs.		22	25
Per dozen		$6.50	7.50

SIX DOZEN IN A CASE.

CHRYSOLITE ENAMELED WARE.

SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PARIS, 1900. Entire page DJ%

Three Coats of Enamel, Outside Green with White Vein Markings, Inside White, Edge Deep Blue.

MIXING BOWLS.



Seamless.

Nos.	12	16
Quarts—listed capacity.	1	2
Size, in.	6 1/16x2 3/4	7 1/8x3 1/8
W't per doz., lbs.	6	8
Per dozen	$3.00	4.00

Nos.	20	24
Quarts—listed capacity.	3	5
Size, in.	8 1/4x3 1/4	10x4 1/8
W't per doz., lbs.	11	16
Per dozen	$5.00	6.50

NOS. 12 AND 16, TWELVE DOZEN; BALANCE, SIX DOZEN IN A CASE.

ENGLISH MIXING BOWLS.



Seamless, Flaring Edge.

Nos.	28	32	36
Quarts—listed capacity	4	6	9
Size, in.	11x4 1/4	12 1/2x4 1/2	14 1/4x5 1/4
W't, doz., lbs.	21	23	28
Per dozen	$8.00	10.00	12.00

NO. 36, THREE DOZEN; BALANCE, SIX DOZEN IN A CASE.

OBLONG BAKE DISHES.



Seamless, Round Cornered.

Top, in.	8x10	8x14
W't per doz., lbs.	13	20
Per dozen	$5.00	6.50

Top, in.	8x17	10x15
W't per doz., lbs.	24	25
Per dozen	$7.25	7.75

FOUR DOZEN IN A CASE.

BASTING SPOONS.



Threaded Handle.

Length, in.	12	14
W't per doz., lbs.	3	3 1/2
Per dozen	$2.00	2.50

ONE DOZEN IN A PACKAGE.

WINDSOR DIPPERS.



Folded Blue Handle.

Nos.	410	412	414
Quarts	1/2	1	2
Size, in.	4 1/4x2 3/8	5 1/2x3 1/8	6 1/4x3 3/8
W't, doz., lbs.	10	11	12
Per dozen	$4.00	5.00	6.00

SIX DOZEN IN A CASE.

COCOA SHAPED DIPPERS.



Round Blue Handle.

No. 55—1 pt., size 3x3 in., w't per doz. 6 lbs.....per dozen $5.00

SIX DOZEN IN A CASE.

DEEP LADLES.



Flat Blue Handle.

Nos.	10	11
Size, in.	3 3/4x1 5/8	4 1/8x1 1/4
W't per doz., lbs.	4	4 1/4
Per dozen	$2.40	2.60

ONE DOZEN IN A PACKAGE.

FLARING DIPPERS.



Flat Blue Handle.

Nos.	110	111
Size, in.	4 1/4x2	4 1/2x2 1/4
W't per doz., lbs.	5	5 1/2
Per dozen	$2.75	3.25

SIX DOZEN IN A CASE.

MINERS' CUPS.



No. 100—1 qt., size 4 3/4x5 1/4 in., w't per doz. 9 lbs.....per dozen $4.75

SIX DOZEN IN A CASE.



No. 200—1 1/2 qt., size 6 1/8x5 1/4 in., w't per doz. 13 lbs.....per dozen $6.50

THREE DOZEN IN A CASE.

CHILDREN'S MUGS.



Nos.	3	5	18
Pints	1/2	1	1 1/2
Size, in.	3 1/2x2 3/4	4x3 1/4	4 1/2x4
W't, doz., lbs.	4	5	7
Per dozen	$2.50	3.00	5.00

NOS. 3 AND 5, TWELVE DOZEN; NO. 18, SIX DOZEN IN A CASE.

DRINKING CUPS.



Flaring.



Straight.

Flaring.

Nos.	8	9
Size, in.	3 3/4x1 7/8	4x2
W't per doz., lbs.	2 1/2	2 3/4
Per dozen	$1.75	2.00

Nos.	10	11
Size, in.	4 1/4x2 3/8	4 1/2x2 7/16
W't per doz., lbs.	3	4
Per dozen	$2.25	2.50

TWELVE DOZEN IN A CASE.

No. 0—Straight, 2 1/4x2 3/4 in., w't per doz. 3 lbs.....per dozen $1.75

TWELVE DOZEN IN A CASE.

CUPS AND SAUCERS.



No. 0 1/2—Cups, 4x2 in., w't per doz. 3 lbs.....per dozen $2.00

No. 1 1/2—Saucers, 6 1/8x3 1/4 in., w't per doz. 3 lbs.....per dozen $2.00

No. 01 1/2—Cups and saucers, w't per doz. 6 lbs.....per dozen $4.00

CUPS, TWELVE DOZEN; SAUCERS, TWENTY-FOUR DOZEN IN A CASE.

CHRYSOLITE ENAMELED WARE.

Entire page DJ % SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PARIS, 1900.
Three Coats of Enamel, Outside Green with White Vein Markings, Inside White, Edge Deep Blue.

DINNER PLATES.



No. 105—9⅝x¾ in., flat bottom, w't per doz. 7 lbs.....per dozen $3.25
TWELVE DOZEN IN A CASE.

PIE PLATES.



Shallow.

No. 9—9⅛x1¼ in., w't per doz. 7 lbs., per dozen $2.25

No. 10—9⅝x1 in., w't per doz. 8 lbs., per dozen $2.75
TWELVE DOZEN IN A CASE.

Deep.

No. 09—8⅞x1⅝ in., w't per doz. 8 lbs., per dozen $2.50

No. 010—9¾x1⅝ in., w't per doz. 9 lbs., per dozen $3.00
TWELVE DOZEN IN A CASE.

SEAMLESS MILK KETTLES.



Retinned Cover, Tinned Bail.

Nos.	71	72
Quarts	1	2
Size, in.	4⅝x7¼	5¼x9¼
W't per doz., lbs.	9	12
Per dozen	$6.00	8.00

Nos.	73	74
Quarts	3	4
Size, in.	6x10¼	6⅝x10½
W't per doz., lbs.	18	21
Per dozen	$10.00	12.00

NO. 74, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

WASH BASINS.



Nos.	28	30	32
Size, in.	11x3	11⅝x3¼	12⅝x3½
W't, doz., lbs.	13	14	16
Per dozen	$4.50	5.50	6.50

Nos.	34	36
Size, in.	13½x3½	14¼x3½
W't per doz., lbs.	20	24
Per dozen	$7.50	8.50

SIX DOZEN IN A CASE.

SOUP BOWLS.



No. 125—6⅛x2⅞ in., w't per doz. 5½ lbs.....per dozen $2.75
TWELVE DOZEN IN A CASE.

DINNER PAILS.



No. 45—Round, miners', seamless, enameled cover locked on by bail size 6¾x7½ in., tray 7¼x4½ in., w't per doz. 46 lbs.....per dozen $18.00



No. 40—Oval, seamless, with tray, cover locked on by bail, size of pail 9x6¼x4½ in., size of tray 9x6¼x3½ in., w't per doz. 45 lbs.....per dozen $28.00



No. 0140—Round, seamless, 7¼x9 in., inset 6¼x4¼ in., two compartments with pie tray, cover rim outside, wood grip, w't per doz. 50 lbs., per dozen $20.00
ONE DOZEN IN A CASE.

SEAMLESS COVERED BUCKETS.



Straight Enameled Covers, Tinned Bail with Wood Grip.

Nos.		20	30
Quarts—listed capacity		2	3
Size, in.		6¼x4¼	6¾x5⅝
W't, doz., lbs.		20	26
Per dozen		7.25	8.75

Nos.	40	60	80
Quarts—listed capacity	4	6	8
Size, in.	7⅝x5⅞	8⅛x6½	9⅛x8⅛
W't, doz., lbs.	30	35	42
Per dozen	$11.25	12.00	15.50

NOS. 10 AND 20, THREE DOZEN; NOS. 60 AND 80, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

FLARING WATER PAILS.



Seamless, Flat Bottom, Tinned Bail, Enameled Wood Grip.

Nos.	210	212	214
Quarts—listed capacity	10	12	14
Size, in.	10½x7⅜	11¾x8½	12x9½
W't, doz., lbs.	39	45	54
Per dozen	$15.00	18.00	21.00

ONE DOZEN IN A CASE.

COLANDERS.



No. 306—10¾x4⅝ in., w't per doz. 15½ lbs.....per dozen $8.25
SIX DOZEN IN A BOX.

CHRYSOLITE ENAMELED WARE.

SILVER MEDAL AND DIPLOMA, WORLD'S FAIR, PARIS, 1900. Entire page DJ%

Three Coats of Enamel, Outside Green with White Vein Markings, Inside White, Edge Deep Blue.

FOOT TUBS.



17½x14x7 in., seamless, hollow handles, w't per doz. 52 lbs., per dozen $20.00

ONE DOZEN IN A BOX.

WALL SOAP DISHES.



No. 60—6½x4x1 in., w't per doz. 15 lbs., per dozen $4.00

TWELVE DOZEN IN A CASE.

SEAMLESS WATER PITCHERS.



Nos.	20	30	40
Quarts listed capacity	2	3	4
Size, in.	5½x7¼	5½x8¼	6½x8⅞
W't, doz., lbs.	12	15	18
Per dozen	$11.00	13.00	15.00

TWO DOZEN IN A CASE.

BOWLS AND PITCHERS.



No. 17—Seamless pitcher 6¼x10¼ in., capacity 4 qt., bowl diameter 13¾ in., w't per doz. sets 40 lbs., per dozen sets..... $24.00

PITCHERS, ONE DOZEN; BOWLS, THREE DOZEN IN A CASE.

CHURNS.



No. 18—Height 18½ in., diam. at top 9 in., diam. at center 10½ in., capacity 5½ gal., wood lid and regulation dasher, extra enameled cover which can be put on when not used as a churn, w't per doz. 108 lbs., per dozen $44.00

A safe and sanitary vessel for flour, sugar, bread, lard and many other uses.

ONE IN A CRATE.

SPITTOONS.



Removable Top.

No. 20—9¼x4¼ in., w't per doz. 20 lbs., per dozen $10.00

No. 30—11x5¼ in., w't per doz. 36 lbs., per dozen $13.00

SIX DOZEN IN A CASE.

CUSPIDORS.



No. 4—7⅛x4¼ in., w't per doz. 12 lbs., per dozen $10.00

No. 5—8½x5¼ in., w't per doz. 16 lbs., per dozen $11.00

THREE DOZEN IN A CASE.

SEAMLESS COMBINETS.



No. 2—10½x9¼ in., enameled cover, tinned bail, enameled wood grip, w't per doz. 51 lbs.....per dozen $29.00

ONE-HALF DOZEN IN A CASE.

CHAMBERS.



No. 1—7¼x4¼ in., w't per doz. 15 lbs., per dozen $7.50

No. 1½—9x5 in., w't per doz. 18 lbs., per dozen $9.50

No. 2—10x5¼ in., w't per doz. 24 lbs., per dozen $11.50

NOS. 1 AND 1½, TWO DOZEN; NO. 2, ONE DOZEN IN A CASE.

CHAMBER COVERS.



Spun Knob.

No. 01—For No. 1 chambers, w't per doz. 6 lbs.....per dozen $3.00

No. 01½—For No. 1½ chambers, w't per doz. 9½ lbs.....per dozen $3.50

No. 02—For No. 2 chambers, w't per doz. 11 lbs.....per dozen $4.50

SIX DOZEN IN A CASE.

"NU-BLU" ENAMELED WARE.

Three Coats of Enamel, Outside a New Blue, Inside White, Edge Black.

Entire page DJ-AJ%

TEA POTS.



Seamless, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9	11	12
Listed capacity, qts.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't doz., lbs.	12	18	21
Per dozen	$12.30	13.50	15.00
Nos.		13	14
Listed capacity, qts.		3	4
Size, in.		6x7¾	6½x7¾
W't per doz., lbs.		25	30
Per dozen		$16.80	18.60

NO. 9, THREE DOZEN; NO. 11, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

LIPPED COFFEE POTS.



Seamless, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9½	11½	12½
Listed capacity, qts.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't, doz., lbs.	14	16	19
Per dozen	$11.75	12.90	14.40
Nos.	13½	14½	15½
Listed capacity, qts.	3	4	5
Size, in.	6x7¾	6½x7¾	6⅞x8⅜
W't, doz., lbs.	21	27	29
Per dozen	$16.20	18.00	20.40

NO. 9½, THREE DOZEN; NO. 11½, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

COFFEE BOILERS.



Flat Bottom, Enameled Cover, Tinned Bail.

Nos.	60	70
Listed capacity, qts.	4½	6
Size, in.	8⅛x8⅜	8⅝x9
W't per doz., lbs.	30	35
Per dozen	$17.40	19.20
Nos.	80	90
Listed capacity, qts.	8½	11½
Size, in.	9¼x9⅛	10¾x10½
W't per doz., lbs.	37	48
Per dozen	$23.40	30.40

NO. 90, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A CASE.

TEA KETTLES.



PRINCESS, Flat Seamless Bottom, Enameled Cover, Tinned Bail, Mahogany Finish Wood Grip.

Nos.	6	7
Actual capacity, qts.	4	5
Bottom, in.	8¼	9
W't per doz., lbs.	27	31
Per dozen	$16.20	18.00
Nos.	8	9
Actual capacity, qts.	7	8
Bottom, in.	9⅞	10½
W't per doz., lbs.	40	43
Per dozen	$21.00	25.20

ONE DOZEN IN A CASE.

CEREAL COOKERS.

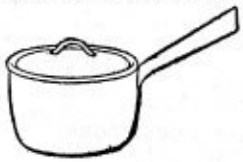


Seamless, Enameled Cover, Blue Handles.

Nos.	16	18	20
Steamer, actual capacity, qts.	1⅜	1⅞	2⅜
W't, doz., lbs.	29	30	39
Per dozen	$15.60	18.60	24.00
Nos.		22	24
Steamer, actual capacity qts.		3¼	3⅝
W't per doz., lbs.		48	60
Per dozen		$26.40	31.20

ONE DOZEN IN A CASE.

"BERLIN" SAUCE PANS.



Seamless, Enameled Cover.

Nos.	021	031	041
Actual capacity, qts.	2	3	4
Size, in.	6¼x4	7¾x3½	8¼x4⅞
W't, doz., lbs.	15	22	28
Per dozen	$9.00	10.20	12.00
Nos.		06	08
Actual capacity, qts.		5¼	8
Size, in.		9¼x5⅜	10¾x5¾
W't per doz., lbs.		36	42
Per dozen		$15.00	18.00

NOS. 02, 03 AND 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

LIPPED PRESERVING KETTLES.



Extra Deep, inned Bail, Wood Grip.

Nos.	201	221	241
Actual capacity, qts.	3⅛	4¼	5
Size, in.	8⅛x4¼	9x5	9¼x5¼
W't, doz., lbs.	13	15½	18
Per dozen	$6.30	7.20	8.10
Nos.	261	281	301
Actual capacity, qts.	6¼	8¼	10
Size, in.	10⅝x5¼	11½x6¼	12¼x6⅞
W't, doz., lbs.	28	29	32
Per dozen	$9.00	10.80	13.20
Nos.		321	361
Listed, capacity, qts.		13	15
Size, in.		13⅜x7	13¼x6⅝
W't per doz., lbs.		36	46
Per dozen		$15.60	19.20

NO. 200, FOUR DOZEN; NO. 220, THREE DOZEN; NOS. 340 AND 360, ONE AND ONE-HALF DOZEN; BALANCE, TWO DOZEN IN A CASE.

STRONG LIPPED SAUCE PANS.



Extra Deep.

Nos.	14	16	18
Actual capacity, qts.	1¼	1⅝	2⅛
Size, in.	6¼x3½	6¾x3½	7¼x4
W't, doz., lbs.	9	10½	12
Per dozen	$4.20	4.80	5.40
Nos.	20	22	24
Actual capacity, qts.	3⅛	4¼	5
Size, in.	8⅛x4¼	9x5	9¼x5¼
W't, doz., lbs.	14½	18	21
Per dozen	$6.30	7.20	8.10
Nos.		26	28
Actual capacity, qts.		6¼	8¼
Size, in.		10⅝x5¼	11½x6¼
W't per doz., lbs.		30	31
Per dozen		$9.00	10.80

NOS. 14 AND 16, FOUR DOZEN; NOS. 18 AND 20, THREE DOZEN, BALANCE, TWO DOZEN IN A CASE.

Entire page DJ-AJ%

"NU-BLU" ENAMELED WARE.

Three Coats of Enamel, Outside a New Blue, Inside White, Edge Black.

"BERLIN" KETTLES.



Seamless, Enameled Cover, Tinned Bail, Mahogany Finish Wood Grip.

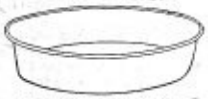
Nos.	021	031	041
Actual capacity, qts.	2	3½	4
Size, in.	6¼x4	7¼x4¼	8¼x4¾
W't, doz., lbs.	15	22	27
Per dozen	$9.00	10.20	12.00

Nos.	061	081
Actual capacity, qts.	5½	8
Size, in.	9¼x5¼	10¼x5¼
W't per doz., lbs.	33	39
Per dozen	$15.00	18.00

Nos.	0101	0121
Actual capacity, qts.	11	13½
Size, in.	11¼x6⅝	11⅝x6⅜
W't per doz., lbs.	51	54
Per dozen	$21.60	25.20

NOS. 02 AND 03, THREE DOZEN; NO. 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

MILK PANS.



Seamless, Straight.

Nos.	31	32	33
Listed capacity, qts.	1	2	3
Size, in.	6¼x1¾	8⅛x2 1/16	8⅜x2⅜
W't, doz., lbs.	5½	8	9
Per dozen	$3.00	3.60	4.20

Nos.	34	36	38
Listed capacity, qts.	4	6	8
Size, in.	10⅛x2½	12⅛x2¾	13⅛x2⅞
W't, doz., lbs.	14	20	22
Per dozen	$5.40	6.60	7.80

NOS. 31 TO 34, SIX DOZEN; NOS. 36 AND 38, THREE DOZEN IN A CASE.

DISH PANS.



Extra Deep, Hollow Handles.

Nos.	510	514
Listed capacity, qts.	10	14
Size, in.	14½x5	16¼x5⅛
W't per doz., lbs.	36	45
Per doze n	$13.20	15.60

Nos.	517	521
Listed capacity, qts.	17	21
Size, in.	17½x5⅝	19⅛x6
W't per doz., lbs.	56	65
Per dozen	$18.00	21.60

ONE DOZEN IN A CASE.

PUDDING PANS.



Round.

Nos.	16	17	18
Listed capacity, qts.	1	1½	2
Size, in.	7¼x2½	7¾x2⅞	8¼x3
W't, doz., lbs.	7	9	10
Per dozen	$3.60	3.90	4.50

Nos.	19	20
Listed capacity, qts.	3	4
Size, in.	9¼x3¼	10¼x3⅜
W't per doz., lbs.	13	14
Per dozen	$4.80	5.40

Nos.	21	22
Listed capacity, qts.	5	6
Size, in.	11x3½	11⅛x3⅝
W't per doz., lbs.	16	17
Per dozen	$6.00	7.20

SIX DOZEN IN A CASE.

MIXING BOWLS.



Seamless.

Nos.	12	16
Listed capacity, qts.	1	2
Size, in.	6 7/16x2⅜	7⅝x3⅛
W't per doz., lbs.	6	8
Per dozen	$3.10	4.20

Nos.	20	24
Listed capacity, qts.	3	5
Size, in.	8¼x3¾	10x4⅛
W't per doz., lbs.	10	14
Per dozen	$5.40	7.20

NOS. 12 AND 16, TWELVE DOZEN; BALANCE, SIX DOZEN IN A CASE.

SAUCE OR STOCK POTS.



Seamless.

Nos.	12	16
Listed capacity, qts.	12	16
Size, in.	10x10½	9x12½
W't per doz., lbs.	42	54
Per dozen	$19.20	26.40

Nos.	20	24
Listed capacity, qts.	20	24
Size, in.	9⅝x13	10¼x13⅝
W't per doz., lbs.	60	63
Per dozen	$31.20	36.00

NO. 24, ONE-THIRD DOZEN; BALANCE, ONE-HALF DOZEN IN A CASE.

WINDSOR DIPPERS.



Round Handle.

Nos.	410	412	414
Size, in.	4¼x2⅝	5½x3 1/16	6¼x3 1/16
Capacity, qts.	½	1	2
W't, doz., lbs.	7	7½	11
Per dozen	$4.80	5.40	6.00

SIX DOZEN IN A CASE.

SOUP LADLES.



No. 38—Flat handle, size 4⅜x1¾, w't per doz. 3½ lbs. .....per dozen $3.00

ONE DOZEN IN A PACKAGE.

BASTING SPOONS.



Threaded Handle.

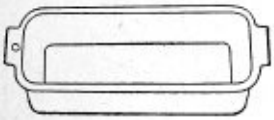
Length, in.	12	14
W't per doz., lbs.	2¼	2¾
Per dozen	$2.40	2.70

ONE DOZEN IN A PACKAGE.

"NU-BLU" ENAMELED WARE.

Three Coats of Enamel, Outside a New Blue, Inside White, Edge Black. Entire page DJ-AJ%

OBLONG BAKE DISHES.



Seamless, Round Cornered.

Top, in.	8x10	8x14
W't per doz., lbs.	14	20
Per dozen	$6.00	8.40
Top, in.	8x17	10x15
W't per doz., lbs.	24	25
Per dozen	$9.60	10.80

FOUR DOZEN IN A CASE.

SOUP BOWLS.



No. 125—6 1/8x2 3/8 in., w't per doz. 5½ lbs., per dozen $3.10

TWELVE DOZEN IN A CASE.

PIE PLATES.



Shallow.

No. 9—9¼x¾ in., w't per doz. 6½ lbs., per dozen $3.10
No. 10—9¾x1 in., w't per doz. 8 lbs., per dozen $3.90

Deep.

No. 09—8 7/8x1 3/8 in., w't per doz. 8 lbs., per dozen $3.60
No. 010—9¼x1¾ in., w't per doz. 9 lbs., per dozen $4.20

TWELVE DOZEN IN A CASE.

CUPS AND SAUCERS.



No. 0½—Cups, 4x2 in., w't per doz. 3 lbs. .....per dozen $2.40
No. 1½—Saucers, 6 1/8x¾ in., w't per doz. 3 lbs. .....per dozen $2.40
No. 01½—Cups and saucers, w't per doz. 6 lbs. .....per dozen $4.80

CUPS, TWELVE DOZEN; SAUCERS, TWENTY-FOUR DOZEN IN A CASE.

DINNER PLATES.



No. 109—9 1/16x¾ in., flat bottom, w't per doz. 7 lbs. .....per dozen $3.90

TWELVE DOZEN IN A CASE.

CHILDREN'S MUGS.



Nos.	3	5
Pints	½	1
Size, in.	3½x2⅜	4x3¼
W't per doz., lbs.	4	5
Per dozen	$2.70	3.60

TWELVE DOZEN IN A CASE.

DRINKING CUPS.



Nos. 9 and 10.



No. 0.

Flaring Cups.

Nos.	9	10
Size, in.	4x2	4 1/16x2 7/16
W't per doz., lbs.	3	3¼
Per dozen	$2.40	2.70

Straight Cups.

No. 0—2¼x2 5/16 in., w't per doz. 3 lbs., per dozen $2.40

TWELVE DOZEN IN A CASE.

FLARING WATER PAILS.



Seamless, Flat Bottom, Tinned Bail, Enameled Wood Handle.

Nos.	210	212	214
Listed capacity, qts.	10	12	14
Size, in.	10½x7⅜	11¼x8¼	12x9½
W't, doz., lbs.	36	40	47
Per dozen	$15.60	18.00	21.60

ONE DOZEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

SEAMLESS COVERED BUCKETS.



Straight, Enameled Cover, Tinned Bail.

Nos.	10	20
Listed capacity, qts.	1	2
Size, in.	5x3⅜	6¼x4¼
W't per doz., lbs.	10	13
Per dozen	$7.20	8.40
Nos.	**30**	**40**
Listed capacity, qts.	3	4
Size, in.	6¼x5⅛	7¾x5⅞
Wt per doz., lbs.	21	27
Per dozen	$10.20	12.60

NOS. 10 AND 20, THREE DOZEN; NO. 60, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

ROUND DINNER PAILS.



No. 0140—Round, seamless, 7¼x9 in., inset 6¼x4¾ in., two compartments, with pie tray, cover rim outside, wood grip, w't per doz. 50 lbs., per dozen★ $24.00

ONE DOZEN IN A CASE.

SEAMLESS MILK KETTLES.



Retinned Cover, Tinned Bail.

Nos.	71	72
Actual capacity, qts.	1	2
Size, in.	4⅝x7⅛	5¾x9¼
W't per doz., lbs.	12	18
Per dozen	$9.00	12.00
Nos.	**73**	**74**
Actual capacity, qts.	3	4
Size, in.	6x10¼	6⅝x10¾
W't per doz., lbs.	22	27½
Per dozen	$15.00	18.00

NO. 74, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

"NU-BLU" ENAMELED WARE.

Entire page DJ-AJ% Three Coats of Enamel, Outside a New Blue, Inside White, Edge Black.

SEAMLESS WATER PITCHERS.



Nos.	20	30	40
Listed capacity, qts.	2	3	4
Size, in.	5½x7¾	5⅞x8¾	6½x8⅞
W't, doz., lbs.	13½	17	21
Per dozen	$11.40	14.40	16.80

TWO DOZEN IN A CASE.

BOWLS AND PITCHERS.



No. 17—Seamless pitcher 6¾x11 in., capacity 4 qts., bowl diam. 13 in., w't per doz. sets 46 lbs., per dozen sets $25.20

TWO DOZEN IN A CASE.

WASH BASINS.



Nos.	28	30
Size, in.	11x3	11¾x3¼
W't per doz., lbs.	13	15
Per dozen	$5.40	6.00

Nos.	32	36
Size, in.	12½x3½	14¼x3½
W't per doz., lbs.	17	29
Per dozen	$7.20	8.40

SIX DOZEN IN A CASE.

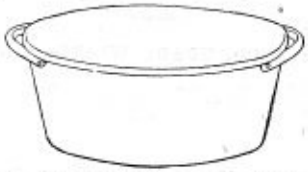
WALL SOAP DISHES.



No. 60—6¼x4x1 in., w't per doz. 5½ lbs., per dozen $3.60

TWELVE DOZEN IN A CASE.

FOOT TUBS.



No. 1—17½x14x7 in., seamless, hollow handles, w't per doz. 46 lbs., per dozen $24.00

ONE DOZEN IN A CASE.

CHAMBERS.



No. 1—7¾x4¼ in., w't per doz. 13 lbs., per dozen $7.20

No. 1½—9x5¼ in., w't per doz. 21 lbs., per dozen $9.00

No. 2—10x5¾ in., w't per doz. 24 lbs., per dozen $10.80

NOS. 1 AND 1½, TWO DOZEN; NO. 2, ONE DOZEN IN A CASE.

CHAMBER COVERS.



No. 01—Spun knob, for No. 1 chambers, w't per doz. 7 lbs. ....per dozen $3.60

No. 01½—For No. 1½ chambers, w't per doz. 7½ lbs. .....per dozen $4.20

No. 02—For No. 2 chambers, w't per doz. 9 lbs. .....per dozen $4.80

SIX DOZEN IN A CASE.

SEAMLESS COMBINETS.



No. 2—10½x9¼ in., enameled cover, tinned bail, enameled wood handle, w't per doz. 55 lbs. .....per dozen $33.60

ONE-HALF DOZEN IN A CASE.

SPITTOONS.



Removable Top.

No. 20—9¼x4½ in., w't per doz. 26 lbs., per dozen $12.60

No. 30—11x5¼ in., w't per doz. 36 lbs., per dozen $16.20

SIX DOZEN IN A CASE.

CUSPIDORS.



No. 4—7½x4 in., w't per doz. 14 lbs., per dozen $7.20

No. 5—8 4-16x5 7-16 in., w't per doz. 18 lbs. .....per dozen $10.80

THREE DOZEN IN A CASE.

No. 211 ASSORTMENT OF IRIS ENAMELED WARE.

The color is the beautiful blue blend of the Iris—made possible by the use of a new process—the enamel being applied evenly and smoothly to the ware by air pressure—producing utensils not only attractive, but strictly sanitary and having unusual wearing qualities.

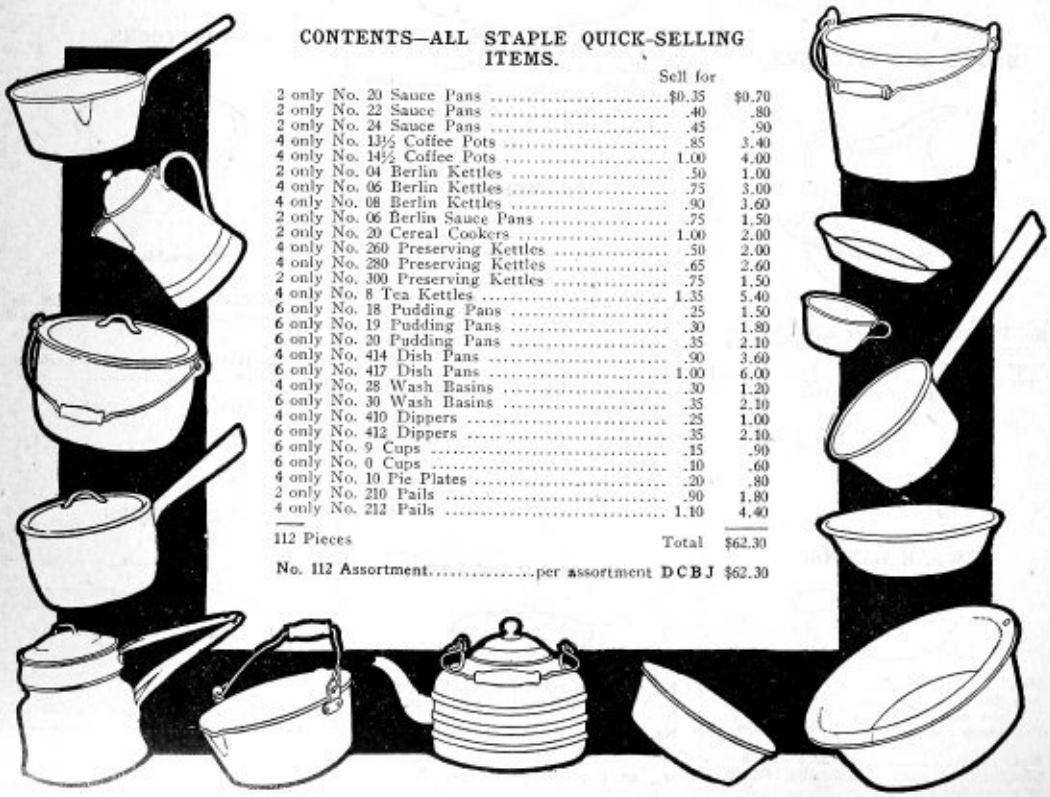


THIS LINE IS A BIG TRADE WINNER AND PROFIT MAKER.

Display this assortment in your window—the color scheme will attract the attention of the passerby. Packed ready for shipment. Weight 310 lbs.

THIS LINE WILL BE A BIG TRADE WINNER AND PROFIT MAKER.

Display this assortment in your window—the color scheme is new—it is different—it will attract the attention of the passer-by. Packed ready for shipment. Weight 310 pounds.



CONTENTS—ALL STAPLE QUICK-SELLING ITEMS.

		Sell for	
2 only	No. 20 Sauce Pans	$0.35	$0.70
2 only	No. 22 Sauce Pans	.40	.80
2 only	No. 24 Sauce Pans	.45	.90
4 only	No. 13½ Coffee Pots	.85	3.40
4 only	No. 14½ Coffee Pots	1.00	4.00
2 only	No. 04 Berlin Kettles	.50	1.00
4 only	No. 06 Berlin Kettles	.75	3.00
4 only	No. 08 Berlin Kettles	.90	3.60
2 only	No. 06 Berlin Sauce Pans	.75	1.50
2 only	No. 20 Cereal Cookers	1.00	2.00
4 only	No. 260 Preserving Kettles	.50	2.00
4 only	No. 280 Preserving Kettles	.65	2.60
2 only	No. 300 Preserving Kettles	.75	1.50
4 only	No. 8 Tea Kettles	1.35	5.40
6 only	No. 18 Pudding Pans	.25	1.50
6 only	No. 19 Pudding Pans	.30	1.80
6 only	No. 20 Pudding Pans	.35	2.10
4 only	No. 414 Dish Pans	.90	3.60
6 only	No. 417 Dish Pans	1.00	6.00
4 only	No. 28 Wash Basins	.30	1.20
6 only	No. 30 Wash Basins	.35	2.10
4 only	No. 410 Dippers	.25	1.00
6 only	No. 412 Dippers	.35	2.10
6 only	No. 9 Cups	.15	.90
6 only	No. 0 Cups	.10	.60
4 only	No. 10 Pie Plates	.20	.80
2 only	No. 210 Pails	.90	1.80
4 only	No. 212 Pails	1.10	4.40
112 Pieces		Total	$62.30

No. 112 Assortment.....per assortment DCBJ $62.30

IRIS ENAMELED WARE.

Color, Outside the Beautiful Blue Blend of the Iris, White Lined, Acid Proof and Sanitary.

TEA POTS.



SEAMLESS, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9	11	12
Qts. listed cap.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't, doz., lbs.	12	14	16
Per dozen	$9.00	10.50	11.50
	DFJ	JEDJ	JEIJ
Nos.		13	14
Quarts, listed capacity.		3	4
Size, in.		6x7¼	6½x7¼
W't per doz., lbs.		19	22
Per dozen		$13.50	15.00
		JFIJ	JGGJ

NO. 9, THREE DOZEN; NO. 11, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

LIPPED COFFEE POTS.



SEAMLESS, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	9½	11½	12½
Qts. listed cap.	1	1½	2
Size, in.	4½x6¼	5x6⅝	5½x6¾
W't, doz., lbs..	12	14	16
Per dozen	$9.00	10.50	11.50
	DFJ	JEDJ	JEIJ
Nos.	13½	14½	15½
Qts. listed cap.	3	4	5
Size, in.	6x7¾	6⅝x7¼	6¾x8⅛
W't, doz., lbs..	19	22	24
Per dozen	$13.50	15.00	17.00
	JFIJ	JGGJ	JHGJ

NO. 9½, THREE DOZEN; NO. 11½, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

COFFEE BOILERS.



Flat Bottom, Enameled Cover, Spun Knob, Tinned Bail.

Nos.	60	70
Quarts, listed capacity.	4½	6
Size, in.	8⅛x8⅛	8½x9
W't per doz. lbs.	24	32
Per dozen	$16.00	18.00
	JHBJ	JIBE
Nos.	80	90
Quarts, listed capacity.	8½	11½
Size, in.	9⅛x9¼	10¼x10½
W't per doz., lbs.	35	44
Per dozen	$20.00	24.00
	AJBE	ABCJ

NO. 90, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A CASE.

TEA KETTLES.



SEAMLESS, Flat Bottom, Enameled Cover, Tinned Bail.

Nos.	6	7
Quarts, actual capacity	4	5
Bottom, in.	8¼	9
W't per doz., lbs.	23	31
Per dozen	$16.00	18.75
	JHBJ	JIFJ
Nos.	8	9
Quarts, actual capacity	7	8
Bottom, in.	9⅜	10⅛
W't per doz., lbs.	37	43
Per dozen	$21.50	25.50
	AAJE	ACAJ

ONE DOZEN IN A CASE.

CEREAL COOKERS.



SEAMLESS, Enameled Cover.

Nos.	16	18	20
Qts. actual cap.	1	1½	2
W't, doz., lbs..	21	26	30
Per dozen	$12.50	15.00	17.50
	JFDJ	JGGJ	JHIE
Nos.		22	24
Quarts, actual capacity		2½	3¼
W't per doz., lbs.		39	48
Per dozen		$20.00	22.50
		AJBE	AAEE

ONE DOZEN IN A CASE.

"BERLIN" SAUCE PANS.

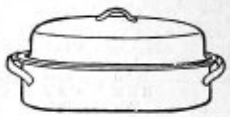


SEAMLESS, Enameled Cover.

Nos.	02	03	04
Qts., listd. cap.	2	3	4
Size, in.	5½x4	7⅛x4½	8¼x4¾
W't, doz., lbs..	15	18	22
Per dozen	$6.50	8.00	10.00
	CCE	DAJ	JEAE
Nos.		06	08
Quarts, listed capacity.		6	8
Size, in.		9¼x5¾	10¾x6
W't per doz., lbs.		30	35
Per dozen		$12.00	15.00
		JFAE	JGGJ

NOS. 02, 03 AND 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

ROASTERS.



Oval, Seamless, Raised Bottom.

No. 70—15x9½x6½ in., w't per doz. 60 lbs.....per dozen ADDJ $28.00

No. 700—18x11x7½ in., w't per doz. 75 lbs. .....per dozen AHIJ $36.00

No. 7000—20x14x7¾ in., w't per doz. 108 lbs. .....per dozen BEBJ $49.00

ONE IN A CARTON.

IRIS ENAMELED WARE.

Color, Outside the Beautiful Blue Blend of the Iris, White Lined, Acid Proof and Sanitary.

"BERLIN" KETTLES.



SEAMLESS, Enameled Cover, Tinned Bail, Wood Handle.

Nos.	02	03	04
Qts. listed cap.	2	3	4
Size, in.	5½x4	7⅝x4½	8¼x4⅞
W't, doz., lbs.	15	18	22
Per dozen	$6.50	8.00	10.00
	CCE	DAJ	JEAE
Nos.	06	08	
Quarts, listed capacity.	6	8	
Size, in.	9¼x5¼	10⅛x6	
W't per doz., lbs.	30	35	
Per dozen	$12.00	15.00	
	JFAE	JGGJ	
Nos.	010	012	
Quarts, listed capacity.	10	12	
Size, in.	11⅛x6¾	11⅝x7⅛	
W't per doz., lbs.	46	49	
Per dozen	$20.00	25.00	
	AJBE	ABHE	

NOS. 02 AND 03, THREE DOZEN; NO. 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

LIPPED PRESERVING KETTLES.



Tinned Bail, Wood Handle.

Nos.	180	200	220
Qts. listed cap.	2½	3	4
Size, in.	7¾x3⅝	8¼x3¾	9¼x4
W't, doz. lbs.	13	14	16
Per dozen	$5.00	6.00	7.00
	BEE	CAJ	CFJ
Nos.	240	260	280
Qts. listed cap.	5	6	8
Size, in.	9⅞x4½	10¾x5	11¾x5⅜
W't, doz., lbs.	18	24	29
Per dozen	$8.00	9.00	10.50
	DAJ	DFJ	JEDJ
Nos.	300	320	
Quarts, listed capacity.	10	12	
Size, in.	11⅞x5½	12½x6	
W't per doz., lbs.	32	36	
Per dozen	$12.50	15.00	
	JGDJ	JGGJ	
Nos.	340	360	
Quarts, listed capacity	13½	15	
Size, in.	13⅝x6½	13¾x6⅝	
W't per doz. lbs.	39	40	
Per dozen	$17.00	18.00	
	JHGJ	JIBE	

NOS. 180 AND 200, FOUR DOZEN; NO. 220, THREE DOZEN; NOS. 340 AND 360, ONE AND ONE-HALF DOZEN; BALANCE, TWO DOZEN IN A CASE.

STRONG LIPPED SAUCE PANS.



Nos.	12	14	16
Qts. listed cap.	1	1½	2
Size, in.	6x2¾	6⅝x3⅛	7⅛x3⅛
W't, doz., lbs.,	5	8	11
Per dozen	$3.25	3.50	4.00
	AFE	AHJ	BJE
Nos.	18	20	22
Qts. listed cap.	2½	3	4
Size, in.	7⅞x3⅜	8¼x3¾	9¼x4
W't, doz., lbs.,	13	14	16
Per dozen	$5.00	6.00	7.00
	BEE	CJE	CFJ
Nos.	24	26	28
Qts. listed cap.	5	6	7½
Size, in.	9⅞x4½	10¾x5	11⅛x5⅝
W't, doz., lbs.,	19	26	30
Per dozen	$8.00	9.00	10.50
	DAJ	DFJ	JEDJ

NOS. 12, 14 AND 16, FOUR DOZEN; NOS. 18 AND 20, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.

MILK PANS.



Nos.	31	32	33
Qts. listed cap.	1	2	3
Size, in.	6¼x1¾	8½x2 1/16	8¾x2⅛
W't, doz., lbs.,	5	7	8
Per dozen	$2.50	3.50	4.00
	ACJ	AHJ	BJE
Nos.	34	36	
Quarts, listed capacity.	4	6	
Size, in.	10⅝x2½	12¾x2¾	
W't per doz., lbs.	15	19	
Per dozen	$5.00	6.00	
	BEE	CAJ	
Nos.	38	310	
Quarts, listed capacity.	8	10	
Size, in.	13¼x2⅞	14½x3	
W't per doz., lbs.	24	26	
Per dozen	$6.75	8.00	
	CDE	DAJ	

NOS. 31 TO 34, SIX DOZEN; NOS. 36 TO 310, THREE DOZEN IN A CASE.

DISH PANS.

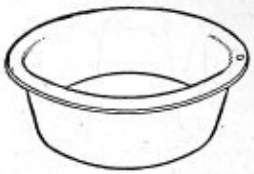


Extra Deep, Hollow Handles.

Nos.	510	514
Quarts, listed capacity.	10	14
Size, in.	14½x5	16¼x5⅛
W't per doz. lbs.	33	40
Per dozen	$12.50	15.00
	JFDJ	JGGJ
Nos.	517	521
Quarts, listed capacity.	17	21
Size, in.	17½x5⅝	19⅛x6
W't per doz. lbs.	47	55
Per dozen	$17.50	20.00
	JIJJ	AJBE

ONE DOZEN IN A CASE.

DISH PANS.

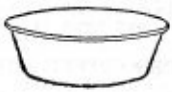


ROLL RIM, which Forms Convenient Handle All the Way Around.

Nos.	414	417
Quarts, listed capacity.	14	17
W't per doz., lbs.	40	47
Per dozen	$15.00	17.50
	JGGJ	JIJJ

ONE DOZEN IN A CASE.

PUDDING PANS.



Round.

Nos.	16	17	18
Qts. listed cap.	1	1½	2
Size, in.	7⅛x2¾	7¼x2⅞	8¾x3
W't, doz. lbs.,	6	8	10
Per dozen	$3.00	3.50	4.00
	AEE	AHJ	BJE
Nos.	19	20	21
Qts. listed cap.	3	4	5
Size, in.	9¾x3¾	10¼x3⅝	11x3⅝
W't, doz, lbs.,	12	15	17
Per dozen	$4.50	5.00	5.50
	BCJ	BEE	BHJ
Nos.	22	23	
Quarts, listed capacity.	6	7	
Size, in.	11⅞x3⅝	12¼x3¾	
W't per doz., lbs.	20	23	
Per dozen	$6.50	7.50	
	CCE	CHE	

SIX DOZEN IN A CASE.

MIXING BOWLS.



Seamless.

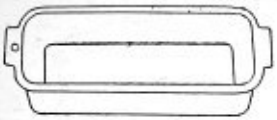
Nos.	12	16
Quarts, listed capacity.	1	2
Size, in.	6⅛x2⅛	7⅛x3⅛
W't per doz. lbs.	5	7
Per dozen	$3.00	4.00
	AEE	BJF
Nos.	20	24
Quarts, listed capacity.	3	5
Size, in.	8¼x3¼	10x4⅛
W't per doz., lbs.	9	13
Per dozen	$5.00	6.50
	BEE	CCE

NOS. 12 AND 16, TWELVE DOZEN; BALANCE, SIX DOZEN IN A CASE.

IRIS ENAMELED WARE.

Color, Outside the Beautiful Blue Blend of the Iris, White Lined, Acid Proof and Sanitary.

OBLONG BAKE DISHES.



Seamless, Round Cornered.

Top, in.	8x10	8x14
W't per doz., lbs.	11	17
Per dozen	$5.00 BEE	6.50 CCE
Top, in.	**8x17**	**10x15**
W't per doz., lbs.	21	22
Per dozen	$7.25 CGJ	7.75 CIE

FOUR DOZEN IN A CASE.

WINDSOR DIPPERS.



Nos.	410	412	414
Quarts	½	1	2
Size, in.	4¼x2⅝	5⅛x3 1/16	6¼x3 1/16
W't, doz., lbs.	8	9	10
Per dozen	$4.00 BJE	5.00 BEE	6.00 CAJ

SIX DOZEN IN A CASE.

SOUP LADLES.



No. 38—3¼x1⅜ in., w't per doz. 4 lbs., per dozen .....**ACJ** $2.50

ONE DOZEN IN A PACKAGE.

COCOA SHAPED DIPPERS.



Round Blue Handle.

No. 55—1 pt., size 3x3 in., w't per doz. 5 lbs. .....per dozen **BEE** $5.00

SIX DOZEN IN A CASE.

BASTING SPOONS.



Threaded Handle.

Length, in.	12	14
W't per doz., lbs.	2½	3
Per dozen	$2.00 AJE	2.50 ACJ

ONE DOZEN IN A PACKAGE.

MINERS' CUPS.



No. 100—1 qt., size 4⅞x5⅛ in., w't per doz. 7 lbs. .....per dozen **BDE** $4.75

SIX DOZEN IN A CASE.

DRINKING CUPS.



Nos. 0 to 5.



Nos. 9 and 10.

Straight.

Nos.	0	3	5
Pints	¼	½	1
Size, in.	2⅜x2⅝	3½x2⅞	4x3¼
W't, doz., lbs.	3	3½	4½
Per dozen	$1.75 JIJ	2.50 ACJ	3.00 AEE

TWELVE DOZEN IN A CASE.

Flaring.

Nos.	9	10
Size, in.	4x2	4¼x2 3/16
W't per doz., lbs.	2½	3
Per dozen	$2.00 AJE	2.25 AAE

TWELVE DOZEN IN A CASE.

CUPS AND SAUCERS.



No. 0½—Cups, 4x2 in., w't per doz. 2½ lbs. .....per dozen **AJE** $2.00

No. 1½—Saucers, 6⅛x⅞ in., w't per doz. 2½ lbs. .....per dozen **AJE** $2.00

No. 01½—Cups and saucers, w't per doz. 5 lbs. .....per dozen **BJE** $4.00

CUPS, TWELVE DOZEN; SAUCERS, TWENTY-FOUR DOZEN IN A CASE.

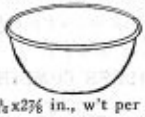
DINNER PLATES.



No. 109—9⅛x¾ in., flat bottom, w't per doz. 6 lbs. .....per dozen **AFE** $3.25

TWELVE DOZEN IN A CASE.

SOUP BOWLS.



No. 125—6 1/16x2⅜ in., w't per doz. 5 lbs., per dozen .....**ADJ** $2.75

TWELVE DOZEN IN A CASE.

PIE PLATES.



Shallow.

No. 9—9⅛x¾ in., w't per doz. 6 lbs., per dozen .....**AAE** $2.25

No. 10—9¾x1 in., w't per doz. 8 lbs., per dozen .....**ADJ** $2.75

TWELVE DOZEN IN A CASE.

Deep.

No. 09—8⅞x1⅛ in., w't per doz. 7 lbs., per dozen .....**ACJ** $2.50

No. 010—9¾x1¼ in., w't per doz. 8 lbs., per dozen .....**AEE** $3.00

TWELVE DOZEN IN A CASE.

SEAMLESS MILK KETTLES.



Retinned Cover, Tinned Bail.

Nos.	71	72
Quarts	1	2
Size, in.	4⅝x7¼	5¼x9¼
W't per doz., lbs.	7	10
Per dozen	$6.00 CAJ	8.00 DAJ
Nos.	**73**	**74**
Quarts	3	4
Size, in.	6x10¾	6⅝x10½
W't per doz., lbs.	16	19
Per dozen	$10.00 JEAJ	12.00 JFAE

NO. 74, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

DINNER PAILS.



No. 45—Round, miners', seamless enameled cover locked on by bail, size 6¾x7¼ in., tray 7⅛x4½ in., w't per doz. 42 lbs., per dozen **JIBE** $18.00



No. 40—Oval, seamless, with tray, cover locked on by bail, size of pail 9x6¾x4½ in., size of tray 9x6¾x3½ in., w't per doz. 40 lbs., per dozen .....**ADCE** $28.00

ONE DOZEN IN A CASE.



No. 0140—Round, seamless, 7⅛x9 in., inset 6¼x4¼ in., two compartments, with pie tray, cover rim outside, wood grip, w't per doz. 46 lbs., per dozen .....**AJBE** $20.00

ONE DOZEN IN A CASE.

IRIS ENAMELED WARE.

Color, Outside the Beautiful Blue Blend of the Iris, White Lined, Acid Proof and Sanitary.

COLANDERS.



No. 306—10¼x4⅝ in., w't per doz. 14 lbs. .....per dozen **DBE** $8.25
SIX DOZEN IN A BOX.

SEAMLESS COVERED BUCKETS.



Enameled Covers.

Nos.	20	30
Quarts, listed capacity.	2	3
Size, in.	6¼x4¾	6¾x5⅛
W't per doz., lbs.	16	21
Per dozen	$7.25	8.75
	CGJ	DEJ

Nos.	40
Quarts, listed capacity.	4
Size, in.	7⅛x5⅞
W't per doz., lbs.	24
Per dozen	$11.25
	JEGE

NO. 20, THREE DOZEN; NO. 60, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

FLARING WATER PAILS.



SEAMLESS, Tinned Bail, Wood Grip.

Nos.	210	212	214
Qts. listed cap.	10	12	14
Size, in.	10½x7⅞	11⅛x8½	12x9½
W't, doz., lbs.	35	40	49
Per dozen	$15.00	18.00	21.00
	JGGJ	JIBE	AJGE

ONE DOZEN IN A CASE.

SEAMLESS WATER PITCHERS.



Nos.	20	30	40
Qts. listed cap.	2	3	4
Size, in.	5⅜x7¾	5½x8¼	6½x8⅞
W't, doz., lbs.	10	13	15
Per dozen	$11.00	13.00	15.00
	JEFE	JFFE	JGGJ

TWO DOZEN IN A CASE.

BOWLS AND PITCHERS.



No. 17—Seamless pitcher, capacity 4 qts., bowl diameter 14¼ in., w't per doz. sets 37 lbs., per doz. sets **ABCJ** $24.00

WASH BASINS.

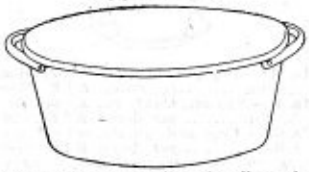


Nos.	28	30	32
Size, in.	11x3	11⅝x3¼	12½x3½
W't, doz., lbs.	11	12	14
Per dozen	$4.50	5.50	6.50
	BCJ	BHJ	CCE

Nos.	34	36
Size, in.	13½x3½	14¾x3½
W't per doz., lbs.	18	21
Per dozen	$7.50	8.50
	CHE	DCE

SIX DOZEN IN A CASE.

FOOT TUBS.



No. 1—Seamless, hollow handles, size 17½x14x7 in., w't per doz. 47 lbs., per dozen .....**AJBE** $20.00
ONE DOZEN IN A BOX.

WALL SOAP DISHES.



No. 60—6¾x4x1 in., w't per doz. 14 lbs., per dozen .....**BJE** $4.00
TWELVE DOZEN IN A CASE.

SEAMLESS COMBINETS.



No. 1—Enameled cover, tinned bail, wood grip, listed capacity 10 qts., size 9¾x9 in., w't per doz. 39 lbs., per dozen .....**ACEJ** $26.50

SEAMLESS COMBINETS.



No. 2—Enameled cover, tinned bail, enameled wood grip, size 10½x9¾ in., w't per doz. 50 lbs., per dozen .....**ADIJ** $29.00
ONE-HALF DOZEN IN A CASE.

CHAMBERS.



No. 1—7¼x4¼ in., w't per doz. 13 lbs., per dozen .....**CHE** $7.58
No. 1½—9x5¼ in., w't per doz. 15 lbs., per dozen .....**DHE** $9.50
No. 2—10x5¾ in., w't per doz. 21 lbs., per dozen .....**JEIJ** $11.50
NOS. 1 AND 1½, TWO DOZEN; NO. 2, ONE DOZEN IN A CASE.

CHAMBER COVERS.



Spun Knob.

No. 01—For No. 1 chambers, w't per doz. 5 lbs. .....per dozen **AEE** $3.00
No. 01½—or No. 1½ chambers, w't per doz. 7 lbs.....per dozen **AHJ** $3.50
No. 02—For No. 2 chambers, w't per doz. 9 lbs. .....per dozen **BCJ** $4.50
SIX DOZEN IN A CASE.

SPITTOONS.



No. 20—9¼x4¾ in., w't per doz. 17 lbs., per dozen .....**JEAE** $10.00
No. 30—11x5¼ in., w't per doz. 33 lbs., per dozen .....**JFFE** $13.00
SIX DOZEN IN A CASE.

CUSPIDORS.



No. 4—7⅝x4¼ in., w't per doz. 10 lbs., per dozen .....**JEAE** $10.00
No. 5—8½x5¼ in., w't per doz. 16 lbs., per dozen .....**JEFE** $11.00
THREE DOZEN IN A CASE.

IMPROVED REVONOC TRIPLE-COATED ENAMELED WARE.

QUICK PROFIT FOR YOU.

YOUR CUSTOMERS WILL "COME BACK" FOR MORE

PURE ACID PROOF MOTTLED BLUE AND WHITE WITH WHITE LINING.

This group may be sold at regular prices or used for a special 50c sale. Sells Out Complete. NO STICKERS.











6 only No. 80 Tea Kettles
6 only No. 517 Dish Pans
6 only No. 514 Dish Pans
6 only No. 112 Pails
6 only 3 qt. Coffee Pots, Enameled Covers
6 only 2 qt. Coffee Pots, Enameled Covers
6 only No. 06 Berlin Sauce Pans
6 only No. 08 Berlin Kettles
6 only No. 06 Berlin Kettles
6 only No. 66 Dutchess Kettles, with Covers
6 only No. 86 Duchess Kettles, with Covers
6 only No. 28 Preserving Kettles
12 only No. 26 Preserving Kettles
84 pieces in all.







No. 8416 Assortment, Weight Ready for Shipment, 315 Lbs.

RETURNS at 50c each, $42.00

No. 8416 Assortment.....CGBJ $42.00

REVO-NOC ENAMELED WARE.

Three Coats of Enamel on Heavy Steel Base, Outside Mottled Blue and White, with White Lining.

TEA POTS.



No. 0.



No. 210.

Seamed, Tin Cover, Wood Knob, Enameled Steel Handle.

Nos.	0	10	20
Quarts—listed capacity	1	1½	2
W't, doz., lbs.	11	13	15
Per dozen	$7.50	8.50	9.50
	CFJ	DAJ	DEE
Nos.	30	40	
Quarts—listed capacity.	3	4	
W't per doz., lbs.	18	20	
Per dozen	$10.50	11.50	
	JEJE	JEEJ	

Enameled Cover, Spun Knob, Enameled Steel Handle.

Nos.	101	201	301
Quarts—listed capacity	1½	2	3
W't, doz., lbs.	13	15	18
Per dozen	$9.50	10.50	11.50
	DEE	JEJE	JEEJ

TWO DOZEN IN A CASE.

Seamless, Enameled Cover, Spun Knob, Enameled Steel Handle.

Nos.	210	220	230
Quarts—listed capacity	1½	2	3
W't, doz., lbs.	14	16	18
Per dozen	$11.25	12.50	14.00
	JEDJ	JFJJ	JFGJ

ONE DOZEN IN A CASE.

TEA KETTLES.



Seamed, Enameled Cover, Metal Knob, Tinned Bail.

Nos.	60	70
Quarts—listed capacity.	4	5
W't per doz., lbs.	21	24
Per dozen	$13.50	15.00
	JFEJ	JGBJ
Nos.	80	90
Quarts—listed capacity.	7	8
W't per doz., lbs.	30	36
Per dozen	$17.50	21.00
	JHDJ	AJAJ



Princess Pattern, Enameled Cover, Spun Knob.

Nos.	170	180	190
Quarts—listed capacity	5	7	8
W't, doz., lbs.	30	35	40
Per dozen	$17.00	20.00	24.00
	JHAE	JIFJ	AAEJ

ONE DOZEN IN A CASE.

COFFEE POTS.



No. 5.



No. 2151.

Seamed, Tin Cover, Wood Knob, Enameled Steel Handle.

Nos.	5	15	25
Quarts—listed capacity	1	1½	2
W't, doz., lbs.	11	13	15
Per dozen	$7.00	8.00	9.00
	CCE	CHE	DCJ
Nos.	35	45	55
Quarts—listed capacity	3	4	5
W't, doz., lbs.	18	21	24
Per dozen	$10.00	11.00	12.50
	JDHJ	JECJ	JFJJ

Enameled Cover, Spun Knob, Enameled Steel Handle.

Nos.	151	251
Quarts—listed capacity.	1½	2
W't per doz., lbs.	13	15
Per dozen	$9.00	10.00
	DCJ	JDHJ
Nos.	351	451
Quarts—listed capacity.	3	4
W't per doz., lbs.	18	21
Per dozen	$11.00	12.00
	JECJ	JEGE

TWO DOZEN IN A CASE.

Seamless, Enameled Cover, Spun Knob, Enameled Steel Handle.

Nos.	2151	2251
Quarts—listed capacity.	1½	2
W't per doz., lbs.	14	16
Per dozen	$10.75	12.00
	JEAJ	JEGE
Nos.	2351	2451
Quarts—listed capacity.	3	4
W't per doz., lbs.	21	24
Per dozen	$13.50	15.00
	JFEJ	JGBJ

TWO DOZEN IN A CASE.

COFFEE BOILERS.



Enameled Cover, Spun Knob.

Nos.	601	701
Quarts—actual capacity.	5	6
W't per doz., lbs.	26	30
Per dozen	$14.50	16.00
	JFIE	JGGJ
Nos.	801	901
Quarts—actual capacity.	8	11
W't per doz., lbs.	35	40
Per dozen	$19.50	24.50
	JICE	AAGE

NO. 901, ONE-HALF DOZEN; BALANCE, ONE DOZEN IN A CASE.

COFFEE BIGGINS.



Tinned Top and Tin Cover, Wood Knob, Enameled Steel Handle.

Nos.	01	00
Quarts—listed capacity.	¾	1
W't per doz., lbs.	15	17
Per dozen	$8.00	9.00
	CHE	DCJ
Nos.	010	020
Quarts—listed capacity.	1½	2
W't per doz., lbs.	19	21
Per dozen	$10.50	12.00
	JEJE	JEGE

TWO DOZEN IN A CASE.

"BERLIN" KETTLES.



Retinned Cover, Wood Knob, Tinned Bail.

Nos.	02	03	04
Quarts—listed capacity	2	3	4
Size, in.	6½x4⅛	7¼x4¼	8½x5
W't, doz., lbs.	10	12	17
Per dozen	$6.00	7.00	8.50
	BIJ	CCE	DAJ
Nos.	06	08	
Quarts—listed capacity.	6	8	
Size, in.	9¼x5½	10⅜x5⅞	
W't per doz., lbs.	22	24	
Per dozen	$10.50	12.00	
	JEJE	JEGE	
Nos.	010	012	
Quarts—listed capacity.	10	12	
Size, in.	11⅝x6¾	11⅝x7¼	
W't per doz., lbs.	36	48	
Per dozen	$15.00	18.00	
	JGBJ	JHFE	



Enameled Cover, Wood Knob, Tinned Bail.

Nos.	031	041	061
Quarts—listed capacity	3	4	6
W't, doz., lbs.	14	19	24
Per dozen	$8.50	10.00	12.50
	DAJ	JDHJ	JFJJ
Nos.	081	0101	0121
Quarts—listed capacity	8	10	12
W't, doz., lbs.	26	40	50
Per dozen	$15.00	18.00	21.00
	JGBJ	JHFE	AJAJ

NOS. 02, 03 AND 031, THREE DOZEN; NOS. 04 AND 041, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

REVONOC ENAMELED WARE.

Three Coats of Enamel on Heavy Steel Base, Outside Mottled Blue and White, with White Lining.

"BERLIN" SAUCE PANS.



Retinned Cover, Wood Knob, Strong Handle.

Nos.	03	04
Quarts—listed capacity.	3	4
Size, in.	7¾x4¼	8½x5
W't per doz., lbs.	13	18
Per dozen	$7.00	8.50
	CCE	DAJ
Nos.	06	08
Quarts—listed capacity.	6	8
Size, in.	9¼x5½	10⅛x5⅞
W't per doz., lbs.	25	27
Per dozen	$10.50	12.00
	JEJE	JEGE

NO. 03, THREE DOZEN; NO. 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

CEREAL COOKERS.



Seamless Tinned Covers, Wood Knob.

Nos.	53	54	56
Quarts listed	2	3	4
W't doz., lbs.,	24	30	36
Per dozen	$14.00	18.00	24.00
	JFGJ	JHFE	AAEJ

NO. 53, TWO DOZEN; BALANCE ONE DOZEN IN A CASE.

Enameled Cover, Wood Knob.

Nos.	531	541	561
Quarts, listed	2	3	4
W't, doz., lbs.	26	33	40
Per dozen	$15.50	20.00	26.00
	JGDE	JIFJ	ABEJ

NO. 531, TWO DOZEN, BALANCE, ONE DOZEN IN A CASE.

LIPPED PRESERVING KETTLES.



Tinned Bail, Black Enameled Wood Grip.

Nos.	20	22	24
Qts., listed cap.	3	4	5
Size, in.	8¾x4	9x4	9¾x4⅝
W't, doz., lbs..	12	14	17
Per dozen	$5.25	6.00	6.75
	BEJ	BIJ	CBE
Nos.	26	28	30
Qts., listed cap.	6	8	10
Size, in.	10¾x4¾	11¾x5¼	12x5⅛
W't, doz., lbs.	21	23	25
Per dozen	$7.50	9.00	11.00
	CFJ	DCJ	JECJ
Nos.	32	36	40
Qts., listed cap.	12	15	18
Size, in.	12¾x6	14x6¼	14¼x7
W't, doz., lbs..	32	39	45
Per dozen	$13.00	16.00	24.00
	JFBE	JGGJ	AAEJ

NO. 20, SIX DOZEN; NOS. 22 AND 24, FOUR DOZEN; NOS. 26 AND 28, THREE DOZEN; NOS. 30 AND 32, TWO DOZEN IN A CASE.

LIPPED SAUCE PANS.



Extra Strong Handle.

Nos.	12	14	16
Qts., listed cap.	1	1½	2
Size, in.	6x2¾	6⅝x2⅞	7¼x3⅛
W't, doz., lbs..	5½	6½	9
Per dozen	$3.25	3.50	4.00
	AEE	AGJ	AIJ
Nos.	18	20	22
Qts., listed cap.	2½	3	4
Size, in.	7⅞x3½	8¼x4	9x4
W't, doz., lbs..	11	14	15
Per dozen	$4.50	5.25	6.00
	BAE	BEJ	BIJ
Nos.	24	24	26
Quarts, listed capacity.	5	5	6
Size, in.	9¾x4⅛	9¾x4¾	10¼x4¾
W't per doz., lbs.	17	20	
Per dozen	$6.75	7.50	
	CBE	CFJ	
Nos.	28	30	
Quarts, listed capacity.	8	10	
Size, in.	11¾x5⅛	12x5⅜	
W't per doz., lbs.	23	25	
Per dozen	$9.00	11.00	
	DCJ	JECJ	

NOS. 12 TO 20, SIX DOZEN; NO. 22, FOUR DOZEN; NO. 24, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.

STRAIGHT SEAMED SAUCE PANS.



Retinned Cover, Wood Knob, Strong Handle.

Nos.	162	163
Quarts— actual capacity	2	3
Size, in.	6⅛x5	6½x5½
W't per doz., lbs.	12	18
Per dozen	$5.50	6.50
	BFE	CAJ

NO. 162, THREE DOZEN; NO. 163, TWO DOZEN IN A CASE.

PRINCESS KETTLES.



Self-Draining, Retinned Lock Cover, Wood Knob, Tinned Bail with Wood Grip.

Nos.	66	86	106
Qts. listed cap.	6	7	10
W't, doz., lbs.	30	32	36
Per dozen	$9.50	11.50	14.50
	DEE	JEEJ	JFIE

NOS. 66 AND 86, THREE DOZEN; NO. 106, TWO DOZEN IN A CASE.

BREAD RAISERS.



Retinned Cover, Iron Handles.

Nos.	314	317
Size, in.	15⅝x5¾	18x6
W't per doz., lbs.	48	56
Per dozen	$20.00	24.00
	JIFJ	AAEJ

DISH PANS.



Round, Extra Deep, Hollow Steel Handles.

Nos.	510	514
Quarts, listed capacity.	10	14
Size, in.	14½x5	6x5⅛
W't per doz., lbs.	24	33
Per dozen	$11.00	13.00
	JECJ	JFBE
Nos.	517	521
Quarts, listed capacity.	17	21
Size, in.	17¾x5½	19x6
W't per doz., lbs.	42	57
Per dozen	$15.00	18.00
	JGBJ	JHFE

NO. 510, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.



Oval, Extra Deep, Hollow Steel Handles.

Nos.	515	518
Quarts, listed capacity.	15	18
Size, in.	13x17x 5½	15½x19x 5½
W't per doz., lbs	38	45
Per dozen	$18.00	21.00
	JHFE	AJAJ



Roll Top, Deep Shape. Flaring Roll Top Forms, Convenient Handle All the Way Around.

Nos.	414	417
Quarts, listed capacity.	14	17
W't per doz., lbs.	32	40
Per dozen	$13.00	15.00
	JFBE	JGBJ

TWO DOZEN IN A CASE.

STOCK POTS.



Seamless with Tinned Covers.

Nos.	100	120	160
Qts., listed cap.	10	12	16
W't, doz., lbs..	29	35	42
Per dozen	$18.00	21.00	27.00
	JHFE	AJAJ	ABIE
Nos.		200	240
Quarts, listed capacity.		20	24
W't per doz., lbs.		48	54
Per dozen		$33.00	39.00
		AEHE	AHGJ

REVONOC ENAMELED WARE.

Three Coats of Enamel on Heavy Steel Base, Outside Mottled Blue and White, with White Lining.

MILK PANS.



Round Edge.

Nos.	31	32	33
Quarts—listed capacity	1	2	3
Size, in.	6¾x1¾	8½x2	9¼x2¾
W't, doz., lbs.	4	6	8
Per dozen	$2.50	3.00	3.50
	ABJ	ADE	AGJ

Nos.	34	36
Quarts—listed capacity.	4	6
Size, in.	10¼x2½	12⅛x2¾
W't per doz., lbs.	12	14
Per dozen	$4.50	5.50
	BAE	BFE

Nos.	38	310
Quarts—listed capacity.	8	10
Size, in.	13¼x2⅝	14½x3
W't per doz., lbs.	16	18
Per dozen	$6.50	7.50
	CAJ	CFJ

NO. 31, TWELVE DOZEN; NOS. 32 TO 36, SIX DOZEN; NOS. 38 AND 310, THREE DOZEN IN A CASE.

PUDDING PANS.



Extra Deep, Round Edge.

Nos.	16	17	18
Quarts—listed capacity	1	1½	2
Size, in.	7¼x2½	7⅞x2½	8½x2¾
W't, doz., lbs.	6	6½	7
Per dozen	$3.00	3.25	3.75
	ADE	AEE	AHJ

Nos.	19	20	21
Quarts—listed capacity	3	4	5
Size, in.	9¼x3¼	10¼x3¼	11x3½
W't, doz., lbs.	8	9	12
Per dozen	$4.00	4.50	5.00
	AIJ	BAE	BDJ

Nos.	22	23
Quarts—listed capacity.	6	8
Size, in.	11¾x3¼	13½x4
W't per doz., lbs.	14	16
Per dozen	$6.00	7.00
	BJJ	CCE

NO. 16, TWELVE DOZEN; NOS. 17 TO 22, SIX DOZEN; NO. 23, THREE DOZEN IN A CASE.

MIXING BOWLS.



Seamless.

Nos.	12	16
Quarts—listed capacity.	1	2
Size, in.	6x2¾	7⅜x3⅛
W't per doz., lbs.	6	7
Per dozen	$2.75	3.50
	ACJ	AGJ

Nos.	20	24
Quarts—listed capacity.	3	5
Size, in.	8⅛x4	10x4¼
W't per doz., lbs.	9	14
Per dozen	$4.50	6.00
	BAE	BIJ

NO. 12, TWELVE DOZEN; BALANCE, SIX DOZEN IN A CASE.

COLANDERS.



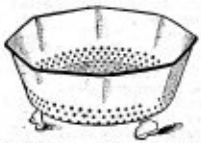
No. 205—Improved seamless, 10½x3½ in., w't per doz. 12 lbs., per dozen ..... CBE $6.75

No. 306—Improved seamless, 11¾x3½ in., w't per doz. 15 lbs., per dozen ..... CFJ $7.50

Colanders are not white lined.

NO. 205, THREE DOZEN; NO. 306, TWO DOZEN IN A CASE.

SINK STRAINERS.



8x3 in., seamless, octagonal, with feet, w't per doz. 8½ lbs., per dozen ..... BGJ $5.65

Sink strainers are all white.

SIX DOZEN IN A BOX.

STRAIGHT COVERED BUCKETS.



Seamed, One-piece Retinned Wood Knob Cover,

Nos.	21	22	23
Quarts—actual capacity	1	2	3
Size, in.	5½x3⅜	6⅜x4⅛	7x5
W't, doz., lbs.	9¼	13	15
Per dozen	$4.50	5.50	6.50
	BAE	BFE	CAJ

Nos.	24	26	28
Quarts—actual capacity	4	6	8
Size, in.	7¾x5½	8¼x6⅛	9⅝x6⅝
W't, doz., lbs.	18	24	30
Per dozen	$8.00	10.00	12.00
	CHE	DHJ	JEGE

NOS. 21 AND 22, THREE DOZEN; NOS. 23 AND 24, TWO DOZEN; NOS. 26 AND 28, ONE DOZEN IN A CASE.

SEAMLESS COVERED.



Enameled Covers.

Nos.	250	350	450
Quarts—listed capacity	2	3	4
Size, in.	6½x3¼	7x4¼	7¾x5¼
W't, doz., lbs.	17	18	24
Per dozen	$7.00	8.50	10.50
	CCE	DAJ	JEJE

FLARING WATER PAILS.



Seamless, Tinned Bail, Wood Grip.

Nos.	110	112	114
Quarts—listed capacity	10	12	14
Size, in.	10½x8	11½x9	12x9¾
W't doz., lbs.	30	35	41
Per dozen	$13.00	15.00	18.00
	JFBE	JGBJ	JHFE

TWO DOZEN IN A CASE.

SPITTOONS.



Seamless Bowl, Removable Top.

Nos.	20	30
Size, in.	9½x4¼	10½x5¼
W't per doz., lbs.	21	32
Per dozen	$10.50	13.50
	JEJE	JFEJ

TWO DOZEN IN A CASE.

SEAMLESS COMBINETS.



No. 2—Size 10½x11 in., wide flange, enameled cover, w't per doz. 55 lbs., per dozen ..... ACDE $28.00

No. 20—Seamless, size 9¼x9½ in., enameled cover, capacity 10 qts., w't per doz. 42 lbs.... per dozen AAGE $24.50

ONE-HALF DOZEN IN A CASE.

MILK KETTLES.



Tin Cover, Wire Bail.

Nos.	51	52
Quarts	1	2
W't per doz., lbs.	12	15
Per dozen	$7.00	9.00
	CCE	DCJ

Nos.	53	54
Quarts	3	4
W't per doz., lbs.	19	24
Per dozen	$10.00	12.00
	JDHJ	JEGE

NO. 54, ONE DOZEN; BALANCE, TWO DOZEN IN A CASE.

HIBBARD REVONOC ENAMELED WARE.

Three Coats of Enamel on Heavy Steel Base, Outside Mottled Blue and White, with White Lining.

DRINKING CUPS.



Nos.	8	9	10
Size, in.	3⅝	4x2	4½x2
W't, doz., lbs.	2	2½	4
Per dozen	$1.75	2.00	2.25
	JHE	JIE	AAJ

TWELVE DOZEN IN A CASE.

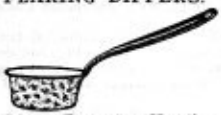
STRAIGHT CUPS.



Nos.	5	6
Size, in.	3⅜x2⅞	3½x4
W't per doz., lbs.	3	5
Per dozen	$2.50	3.00
	ABJ	ADE

TWELVE DOZEN IN A CASE.

FLARING DIPPERS.

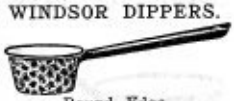


Black Enameled Handle.

Nos.	010	011
Size, in.	4½x2	4½x2¾
W't per doz., lbs.	4	4½
Per dozen	$2.50	2.75
	ABJ	ACJ

TWELVE DOZEN IN A CASE.

WINDSOR DIPPERS.



Round Edge.

Nos.	100	110
Quarts, listed capacity	½	1
Size, in.	4½x2⅝	4⅞x2¾
W't per doz., lbs.	6	7
Per dozen	$3.50	4.00
	AGJ	AIJ
Nos.	112	114
Quarts, listed capacity	2	3
Size, in.	5⅜x3⅛	6⅛x3½
W't per doz., lbs.	9	11
Per dozen	$4.50	5.00
	BAE	BDJ

NO. 100, TWELVE DOZEN; BALANCE, SIX DOZEN IN A CASE.

COCOA DIPPERS.



No. 055—Cocoa shaped bowl, round hollow handle, w't per doz. 7 lbs., per dozen ..... BDJ $5.00

TWELVE DOZEN IN A CASE.

SOUP LADLES.



No. 38—3⅞x1½ in., extra deep bowl, w't per doz. 3 lbs., per dozen ..... ABJ $2.50

TWENTY-FOUR DOZEN IN A CASE.

SAUCERS.



No. 1½—Diameter 6 in., w't per doz. 5 lbs. ..... per dozen JIE $2.00

TWENTY-FOUR DOZEN IN A CASE.

DINNER PLATES.



No. 19—Diameter 9 in., w't per doz. 6 lbs. ..... per dozen ADE $3.00

TWELVE DOZEN IN A CASE.

PIE PLATES.



Round Edge, Shallow.

Nos.	29	30
Size, in.	9x⅞	10x⅞
W't per doz., lbs.	5	6
Per dozen	$2.50	3.00
	ABJ	ADE

Round Edge, Deep.

Nos.	39	40
Size, in.	9x1¼	10x1¼
W't per doz., lbs.	6	7
Per dozen	$2.75	3.25
	ACJ	AEE

TWELVE DOZEN IN A CASE.

JELLY CAKE PANS.



Extra Deep.

Nos.	69	70
Size, in.	9x1	10x1
W't per doz., lbs.	7	9
Per dozen	$3.00	3.50
	ADE	AGJ

TWELVE DOZEN IN A CASE.

BASTING SPOONS.



Heavy Threaded Handle.

Length, in.	12	14	16
W't, doz., lbs.	2¼	2½	3
Per dozen	$1.75	2.00	2.25
	JHJ	JIE	AAJ

TWENTY-FOUR DOZEN IN A CASE.

WASH BASINS.



Extra Heavy Steel.

Nos.	28	30	32
Size, in.	11¼x2⅞	12¼x3⅛	13⅛x3⅜
W't, doz., lbs.	11	13	15
Per dozen	$4.50	5.00	6.00
	BAE	BDJ	BIJ
Nos.	34	36	
Size, in.	13¾x3½	14¾x3¾	
W't per doz., lbs.	17	19	
Per dozen	$7.00	8.00	
	CCE	CHE	

SIX DOZEN IN A CASE.

WATER PITCHERS.



Seamless.

Nos.	10	20
Quarts	1	2
W't per doz., lbs.	10	11
Per dozen	$7.50	9.50
	CFJ	DEE
Nos.	30	40
Quarts	3	4
W't per doz., lbs.	12	13
Per dozen	$12.00	15.00
	JEGE	JGBJ

NOS. 10 TO 30, TWO DOZEN; NO. 40, ONE DOZEN IN A CASE.

PITCHERS AND BOWLS.



No. 17—4 qt. pitcher, 12½x3½ in. bowl, w't per doz. 28 lbs., per dozen ..... AJAJ $21.00

ONE DOZEN EACH IN A CASE.

CHAMBERS.



Wide Flange, Without Cover.

Nos.	1	1½
Size, in.	7½x4¼	8x4⅜
W't per doz., lbs.	11	13
Per dozen	$6.00	7.50
	BIJ	CFJ
Nos.	2	3
Size, in.	9¼x5½	10¼x5⅝
W't per doz., lbs.	18	20
Per dozen	$9.00	10.00
	DCJ	JDHJ

NO. 1, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.

CHAMBER COVERS.



Nos.	01	01½
W't per doz., lbs.	5	5½
Per dozen	$3.00	3.50
	ADE	AGJ
Nos.	02	03
W't per doz., lbs.	7	8
Per dozen	$4.00	4.50
	AIJ	BAE

THREE DOZEN IN A CASE.

REVONOC ENAMELED WARE, IL-A-NOY DINNER BUCKETS, ETC.

REVONOC Enamel Ware has Three Coats of Enamel on Heavy Steel Base, Outside Mottled Blue and White, with White Lining.

REVONOC OBLONG PANS.



Nos.	13	14
Size, in.	9¼x13½	10¼x14½
W't per doz., lbs.	13	18
Per dozen	$9.00 BDJ	10.00 JCCE

Nos.	16	17
Size, in.	11¼x16¼	12½x17¼
W't per doz., lbs.	20	25
Per dozen	$12.00 JCHE	14.00 JDCJ

TWO DOZEN IN A CASE.

REVONOC WALL SOAP DISHES.



No. 060—6¼x4x1½ in., corrugated bottom, w't per doz. 4 lbs., per dozen .....**ABJ** $2.50

No. 60—With drainers, otherwise same as No. 060 .....per dozen **ADE** $3.00

TWELVE DOZEN IN A CASE.

REVONOC SEAMLESS CUSPIDORS.



No. 2—8x5¾ in., w't per doz. 22 lbs., per dozen .....**JEGE** $12.00

ONE DOZEN IN A CASE.

REVONOC COMBINATION ROASTERS AND BAKERS.



Round, Seamless.

No. 12—11½x6½ in., w't per doz. 37 lbs., per dozen .....**JFBE** $13.00

Suitable for either game or meat roasts. Also adapted for baking apples, beans, potatoes, meat pie, scalloped oysters, etc. The individual pans may be used for all ordinary mixing and baking purposes.

TWO DOZEN IN A CASE.

DINNER PAILS.



Nos. 445 and 545.



No. 0140.

No. 545—Il-a-noy—Round, seamless, enameled cover locked on by bail, size 6¼x7¼ in., tray 7¼x4½ in., two coats of enamel, mottled outside with white lining, w't per doz. 45 lbs., per dozen .....**JHAJ** $18.00

ONE DOZEN IN A CASE.

No. 445—Two coats of light speckled enamel inside and out, w't per doz. 35 lbs., otherwise same as No. 545, per dozen .....**JGGJ** $17.50

ONE DOZEN IN A CASE.

No. 0140—Il-a-noy, Round, seamless, enameled, 7¼x8¾ in., inset 6¼x4¾ in., two compartment with pie tray, cover rim outside, wood grip, w't per doz. 45 lbs. .....per dozen **JIFJ** $19.00

ONE DOZEN IN A CASE.



No. 540—Il-a-noy, Oval, 9x6¾x4½ in., seamless, with 9x6¾x3½ in. tray, enameled cover locked on by bail, w't per doz. 40 lbs., per dozen .....**AJEJ** $21.00

ONE DOZEN IN A CASE.

Il-a-noy Ware is marbleized blue and white on the outside, with white lining.

SEAMED OVAL DINNER BUCKETS.



Dark Gray Enameled with White Specks Inside and Out.

No. 1425—Listed capacity 5 quarts with deep inset and pie tray, cover rim outside, w't per doz. 42 lbs., per dozen .....**AJAJ** $25.20

No. 1425-C—With Cup, w't per doz. 45 lbs., otherwise same as No. 1425, per dozen .....**AJHJ** $27.00

ONE DOZEN IN A CASE.

TURQUOISE ENAMELED WARE.

Small Sizes for Individual and Domestic Science Use.

COFFEE POTS.



Seamless, with Enameled Covers.

No. 2007½—Outside enameled turquoise blue with white vein, inside pure white, listed capacity ½ qt., w't per doz. 6 lbs.....per dozen **DHJ** $7.75

ONE DOZEN IN A CASE.

LIPPED SAUCE PANS.



No. 9—Outside enameled turquoise blue with white vein, inside pure white, listed capacity ½ qt., w't per doz. 3 lbs. .....per dozen **AGJ** $2.75

TWELVE DOZEN IN A CASE.

CEREAL COOKERS.



Seamed, Enameled Covers.

No. 14—Outside enameled turquoise blue with white vein, inside pure white, capacity inside boiler 1¾ pts., w't per doz. 19 lbs., per dozen **JFGE** $11.

TWO DOZEN IN A CASE.

ENAMELED ROASTERS AND CHURNS.

REVONOC ROASTERS.



One Piece, Seamless, Oval Concave Bottom, Only Two Parts, no Seams, no Corners.

No. 30 REVONOC—Rustless blue glazed finish, 15x9½x6½ in., shipping w't per doz. 57 lbs. ....per dozen **ABIJ** $15.00

No. 300 REVONOC—Rustless blue glazed finish, 18x11x7½ in., shipping w't per doz. 87 lbs. ....per dozen **AEJJ** $16.00

ONE IN A CARTON.

No. 50 REVONOC—Rich glossy black enamel, flecked with white ,15x9½x6½ in., shipping w't per doz. 60 lbs., per dozen .....**AGAJ** $25.00

No. 500 REVONOC—Rich glossy black enamel, flecked with white, 18x11x7½ in., shipping w't per doz. 100 lbs., per dozen .....**AIHJ** $30.00

ONE IN A CARTON.

No. 60 REVONOC—Blended Iris enamel outside with white lining, 15x9½x6½ in., shipping w't per doz. 60 lbs., per dozen .....**AHIJ** $27.50

No. 600 REVONOC—Blended Iris enamel outside with white lining, 18x11x7½ in., shipping wt per doz. 90 lbs., per dozen .....**BBHJ** $40.00

ONE IN A CARTON.

The one piece bottom is made by pulling the stamping inside out with ingenious machinery.

The outer rim of the bottom acts as a heat retaining jacket imparting it evenly to all parts of the roast. It is impossible for anything to burn as the bottom cannot touch the oven. The juices and flavors which are lost in many roasters are all retained. The steam and juices from the roast collect in the concave bottom and as the roaster is air tight, basting is unnecessary.

Besides being the best roaster made, the REVONOC is unsurpassed for baking bread, beans and many other things.

ROASTERS.



No. 3000—Rustless, glazed finish, run of kiln grade, plain cover, 18x11x7½ in., shipping w't per doz. 70 lbs., per dozen .....**AADJ** $14.00

ONE-QUARTER DOZEN IN A CRATE.

SEAMLESS SELF-BASTING ROASTERS.



No. 2000—16½x11x7⅛ in., rich, glossy black enamel, flecked with white inside and outside, inside tray, shipping w't per doz. 120 lbs., per dozen .....**AIHJ** $30.00

No. 2050—16½x11x7⅛ in., dark enamel, flecked with white, surface finish not so smooth as No. 2000, very durable, shipping w't per doz. 80 lbs., per dozen .....**AECJ** $25.00

Entirely seamless, no sharp corners to collect grease and dirt. This size will fit the average oven.

ONE IN A CARTON.

FOR STEEL ROASTERS, SEE PAGE 894.

IRIS ROASTERS.



Color, the Beautiful Blue Blend of the Iris, Inside and Outside. Acid Proof. Sanitary.

Oval, Seamless, Raised Bottom.

No. 70—15x9½x6½ in., shipping w't per doz. 51 lbs.....per dozen **ADDJ** $28.00

No. 700—18x11x7½ in., shipping w't per doz. 72 lbs.....per dozen **AHIJ** $36.00

No. 7000—20x14x7¾ in., shipping w't per doz. 100 lbs.....per dozen **BEBJ** $49.

ONE IN A CARTON.

CHURNS.



No. 18—Il-a-noy, height 18½ in., diameter at top 9 in., at center 10½ in., capacity 5½ gal., wood lid and regulation dasher, extra enameled cover which may be put on when not used as a churn, w't per doz. 108 lbs., per dozen .....**BAFJ** $40.00

Mottled outside with white lining

ONE IN A CRATE.

CRUSO ENAMELED WARE ASSORTMENT.

No. 180 Assortment.

BIG LEADER.

Look at this for 10c.



6 of these Big Pans.





10 Qt. CRUSO GRAY RINSING PAN.

180 Pieces in this Assortment

Arranged to sell at 10c each ,leaving the dealer a good margin of profit.

Contents of Assortment—

6 only 10 qt. Rinsing Pans.
6 only No. 16 Lipped Sauce Pans.
6 only No. 22 Lipped Sauce Pans.
12 only No. 28 Wash Basins.
12 only 3 qt. Milk Pans.
12 only 4 qt. Milk Pans.
6 only No. 10 Cups.
6 only No. 20 Handled Bake Pans.
6 only No. 110 Ladles.
6 only No. 6 Cups.
6 only 9 in. Deep Jelly Cake Pans.
6 only No. 60 Soap Dishes.
12 only 1 qt. Covered Buckets.
12 only No. 110 Dippers.
12 only 12 in. Deep Pie Plates.
12 only 2 qt. Pudding Pans.
12 only 3 qt. Pudding Pans.
12 only 4 qt. Pudding Pans.
6 only No. 18 Stew Pans.
6 only 12 in. Spoons.
6 only No. 24 Preserving Kettles.









No. 180 Cruso Assortmetnt .....per assortment **AFBJ** $40.50

SHIPPING WEIGHT 165 LBS.

















"TWO-BIT" ASSORTMENT

Staple items which are usually priced at prices ranging from 35c to 50c. You can sell them at 25c—"TWO-BITS" and make a nice profit.





Each Assortment contains—

1 dozen No. 514 Dish Pans
1 dozen No. 110 Water Pails
1 dozen No. 06 Berlin Kettles
1 dozen No. 35 Coffee Pots
1 dozen No. 30 Preserving Kettles



"TWO-BITS" CRUSO Assortment .....each **ACEJ** $33.75

SHIPPING WEIGHT 130 LBS.



CRUSO GRAY ENAMELED WARE.

TEA KETTLES.



Flat Bottom, Enameled Cover, Tinned Bail, Enameled Wood Handle.

Nos.	3	4	5
Quarts, listed capacity	1¾	2	3
Diam., in.	7	7¾	8¼
W't, doz., lbs.	11	15	18
Per dozen	$9.50	10.50	12.00
	DAJ	JDBJ	JDDJ
Nos.		6	7
Quarts, listed capacity.		4	5
Diam., in.		9	10
W't per doz., lbs.		21	24
Per dozen		$13.50	15.00
		JDFJ	JEAJ
Nos.		8	9
Quarts, listed capacity.		7	8
Diam., in.		11	11¼
W't per doz., lbs.		30	33
Per dozen		$17.50	21.00
		JEIJ	JFGJ

NOS. 3 TO 6, ONE DOZEN IN A CASE; BALANCE, ONE-HALF DOZEN IN A CTARTON.

TEA POTS.



Seamed, Enameled	Retinned Steel	Cover, Hollow Handle.	
Nos. 00	0	10	20
Quarts, listed capacity .. ½	1	1½	2
W't per doz., lbs. 5	9	10	12
Per dozen..$6.25	7.50	8.50	9.50
BCJ	BDJ	BGJ	CJJ

TWO DOZEN IN A CASE.

COFFEE POTS.



Seamed, Enameled	Retinned Steel	Cover, Hollow Handle.	
Nos. 3		15	25
Quarts, listed capacity ¾		1½	2
W't per doz., lbs... 6		10	12
Per dozen ..$6.25		8.00	9.00
BDJ		BEJ	BHJ
Nos.		35	45
Quarts, listed capacity.		3	4
W't per doz., lbs.		15	18
Per dozen		$10.00	11.00
		JCAJ	JCFJ

NOS. 15 AND 25, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

MILK PANS.



Seamless, Straight.

Nos.	30½	31	31½
Usual rating, quarts	½	1	1½
Actual capacity, quart..	½	¾	1
Size, in.	6x1⅛	7x1¾	7½x1¾
W't, doz., lbs.	3	3½	4
Per dozen	$2.25	2.50	2.75
	JEE	JFJ	JGJ
Nos.	32	33	34
Usual rating, quarts	2	3	4
Actual capacity, quarts.	1½	1¾	2¼
Size, in.	8½x2	9½x2¼	10⅝x2½
W't, doz., lbs.	5	6	8
Per dozen	$3.00	3.50	4.50
	JHJ	JHE	AAJ
Nos.	36	38	310
Usual rating, quarts	6	8	10
Actual capacity, quarts.	4	5	6
Size, in.	12¾x2¼	13¼x2⅞	14¼x3
W't, doz., lbs.	12	14	16
Per dozen	$5.50	6.50	7.50
	AEJ	AIJ	BEJ

NOS. 30½ TO 36, SIX DOZEN; NOS. 38 AND 310, FOUR DOZEN IN A CASE.



LIPPED PRESERVING KETTLES.

Seamless, Tinned Bail.

Nos.	160	180	200
Usual rating, quarts	2	2½	3
Actual capacity, quarts.	1½	2	2½
Size, in.	7x3½	7¾x3½	8¼x3¼
W't, doz., lbs.	8	9½	12
Per dozen	$4.00	4.50	5.25
	ABE	ADJ	AEJ
Nos.	220	240	260
Usual rating, quarts	4	5	6
Actual capacity, quarts.	3¼	4	6
Size, in.	9½x4	9¼x4¼	10¼x5
W't, doz., lbs.	14	15	18
Per dozen	$6.00	6.75	7.50
	AGJ	AHE	BCJ
Nos.	280	300	320
Usual rating, quarts	8	10	12
Actual capacity, quarts.	7½	8	9
Size, in.	11¼x5½	12x5½	13x5½
W't, doz., lbs.	21	24	30
Per dozen	$9.00	11.00	13.00
	BGJ	JCCJ	JCGJ
Nos.	340	360	400
Usual rating, quarts	14	14	18
Actual capacity, quarts.	11	13	15
Size, in.	11½x6¾	14x6¾	14⅜x7⅜
W't, doz., lbs.	25	38	45
Per dozen	$15.00	16.00	24.00
	JDJJ	JEFJ	JHAJ

NOS. 160 TO 180, THREE DOZEN; NOS. 300 TO 340, TWO DOZEN; NOS. 360 AND 400, ONE DOZEN IN A CASE.



LIPPED SAUCE PANS.

Seamless.

Nos.	12	14	16
Usual rating, quarts	1	1¼	2
Actual capacity, quarts.	¾	1	1¼
Size, in.	6x2½	6½x3¼	7x3½
W't, doz., lbs.	5½	7	9
Per dozen	$3.25	3.50	4.00
	JIE	AJE	ABE
Nos.	18	20	22
Usual rating, quarts	2½	3	4
Actual capacity, quarts.	2	2½	3¼
Size, in.	7¾x3½	8½x3¾	9x4
W't, doz., lbs.	11	14	15
Per dozen	$4.50	5.25	6.00
	ADJ	AEJ	AGJ
Nos.		24	26
Usual rating, quarts...		5	6
Actual capacity, quarts.		4	6
Size, in.		9¼x4¼	11x5
W't per doz., lbs.		17	26
Per dozen		$6.75	7.50
		AHE	BCJ
Nos.		28	30
Usual rating, quarts...		7½	10
Actual capacity, quarts.		7	8
Size, in.		11⅛x5½	12x6
W't per doz., lbs.		27	30
Per dozen		$9.00	11.00
		BGJ	CCJ

NO. 12, SIX DOZEN; NOS. 14 TO 24, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.



DEEP PUDDING PANS.

Seamless.

Nos.	16	17	18
Usual rating, quarts	1	1½	2
Actual capacity, quarts.	1	1½	1¾
Size, in.	7½x2½	7¾x2⅞	8⅛x3
W't, doz., lbs.	4½	5	6
Per dozen	$3.00	3.25	3.75
	JGJ	JHJ	JIJ
Nos.		19	20
Usual rating, quarts...		3	4
Actual capacity, quarts.		2	2¾
Size, in.		9⅜x3¼	10¼x3⅜
W't per doz., lbs.		7	8½
Per dozen		$4.00	4.50
		JIE	AAJ
Nos.		21	22
Usual rating, quarts...		5	6
Actual capacity, quarts.		3½	4½
Size, in.		11x3½	11⅞x3⅝
W't per doz., lbs.		10	12
Per dozen		$5.00	6.00
		ADJ	AFJ



COFFEE BOILERS.

Flat Bottoms, Tin Covers.

Nos.	70	80	90
Act. cap., qts..	6	8	11
W't, doz., lbs..	24	28½	33
Per dozen	$15.00	18.00	23.00
	JFEJ	JGFJ	JIFJ

ONE DOZEN IN A CASE.

CRUSO GRAY ENAMELED WARE.

SEAMLESS DISH PANS.



Deep.

Nos.	510	514
Quarts, listed capacity.	10	14
Size, in.	14½x5	15¾x5½
W't per doz., lbs.	24	30
Per dozen	$11.00	13.00
	JBIE	JCCE
Nos.	517	521
Quarts, listed capacity.	17	21
Size, in.	17¾x5¼	19¼x6
W't per doz., lbs.	39	51
Per dozen	$15.00	18.00
	JDBJ	JEDJ

ONE DOZEN IN A CASE.

ROLL RIM DISH PANS.



No. 34—14 qt., size 16½x5 in., w't per doz. 25 lbs. ....per dozen JCFJ $15.00

ONE DOZEN IN A CASE.

OBLONG STOVE PANS.



Seamless, 2½ Inches Deep.

Nos.	13	14	15
Size, in.	9x13	9½x14	10½x15
W't, doz., lbs.	22	24	33
Per dozen	$9.00	10.00	11.00
	CJJ	JCEJ	JCIJ
Nos.		16	17
Size, in.		11x16	11¾x17
W't per doz., lbs.		35	39
Per dozen		$12.00	13.00
		JDEJ	JDHJ

ONE DOZEN IN A CASE.

OBLONG PANS.



Wired, Folded Ends.

Nos.	02	03
Size, in.	10x6x2	11¼x7¾x1⅜
W't per doz., lbs.	8	9½
Per dozen	$4.00	4.00
	AGE	AGE

SIX DOZEN IN A CASE.

TEA STEEPERS.



Seamless, Enameled Steel	Retinned Cover, Hollow Handle.	
Nos.	1	2
Pints, listed capacity...	1½	2
Size, in.	4⅛x3⅛	4⅛x4
W't per doz., lbs.	6	8
Per dozen	$5.00	5.50
	BDJ	BGJ

THREE DOZEN IN A CASE.

DEEP BREAD PANS.



Oblong, Wired.

Nos.	11	12
Size, in.	9¾x4½x3	10½x5¼x3
W't per doz., lbs.	9	10
Per dozen	$4.50	5.50
	AIJ	BCE

SIX DOZEN IN A CASE.

PIE PLATES.



1¼ Inches Deep.

Nos.	39	40
Size, in.	9	10
W't per doz., lbs.	4½	6
Per dozen	$3.00	3.50
	JHE	JIE



Shallow.

Nos.	9	10
Size, in.	9	10
W't per doz., lbs.	5	6
Per dozen	$2.50	3.00
	JGE	JHE

TWELVE DOZEN IN A CASE.

DRINKING CUPS.



Nos. 9 and 10. No. 6.

No. 9—Seamless, ¾ pt., 3⅞x2½ in., w't per doz. 2½ lbs..per doz. JFE $2.00

No. 10—Seamless, 1 pt., 4⅛x2½ in., w't per doz. 2¾ lbs..per doz. JGJ $2.25

No. 6—Straight, seamless, 1 pt., 3⅞x2¾ in., w't per doz. 3 lbs., per dozen ..... AJJ $3.00

TWELVE DOZEN IN A CASE.

SOUP LADLES.



No. 38—3½ in., threaded handle, w't per doz. 3½ lbs.....per dozen JHE $2.50

TWELVE DOZEN IN A CASE.

FRUIT FUNNELS.



No. 20—4½ in., with handle, w't per doz. 4½ lbs.....per dozen AJE $3.00

SIX DOZEN IN A CASE.

PIECED FUNNELS.



With Ring.

Nos.	02	03	04	05	06
Pints	½	1	2	4	8
Diam., in.	3⅜	4⅜	5¾	7⅛	9⅜
W't per doz., lbs.	2¼	3	4½	7	12
Per doz.	$3.50	4.00	4.50	6.00	7.50
	ACJ	ADE	AHJ	BFJ	CBE

NOS. 02 AND 03, TWELVE DOZEN; NOS. 04 TO 06, SIX DOZEN IN A CASE.

MEASURES.



Seamed, Hollow Handle.

Nos.	03	04
Pints	1	2
W't per doz., lbs.	4½	6
Per dozen	$4.50	6.00
	AIE	BFJ
Nos.	05	06
Pints	4	8
W't per doz., lbs.	12	16
Per dozen	$8.00	11.50
	CDE	DIE

NOS. 05 AND 06, TWO DOZEN; BALANCE, THREE DOZEN IN A CASE.



Graduated.

No. 10—1 qt., w't per doz. 6 lbs., per dozen ..... BBJ $6.00

THREE DOZEN IN A CASE.

COFFEE FLASKS.



No. 1—1 pt. listed capacity, w't per doz. 4 lbs.....per dozen BDJ $6.00

SIX DOZEN IN A CASE.

SANITARY SINK DRAINERS.



No. 40—Seamed round bottom, wired top, 8⅛x8⅛x4⅝ in., w't per doz. 8½ lbs., per dozen ..... BAJ $5.50

TWO DOZEN IN A CASE.

CRUSO GRAY ENAMELED WARE.

RICE BOILERS.



Seamless, with Tin Covers.

Nos.	552½	553	553½
Listed capacity, qts.	2	2½	3
W't, doz., lbs.	24	27	30
Per dozen	$14.00	16.00	18.00
	JEDJ	JEIJ	JFIJ

ONE DOZEN IN A CASE.

BERLIN SAUCE PANS.



Seamless, Retinned Cover.

Nos.	03	04	06
Quarts, listed capacity	3	4	6
W't, doz., lbs.	13	18	22
Per Dozen	$7.00	8.50	10.50
	BFE	CJJ	JCFJ

TRIPLE COMBINATION SAUCE PANS.



No. 10—With tin covers, 3 to a set, listed capacity of each pan 3 qts., w't per doz. sets 42 lbs., per dozen sets ..... **AAAJ** $27.00

The three sauce pans fit over one burner, causing a great saving of fuel.

BERLIN KETTLES.



Seamless, Retinned Cover, Tinned Bail.

Nos.	04	06	08
Quarts, listed capacity	4	6	8
W't, doz., lbs.	14	21	30
Per dozen	$8.50	10.50	12.00
	BHJ	JCCE	JDAJ

Nos.	010	012
Quarts, listed capacity	10	12
W't per doz., lbs.	34	40
Per dozen	$15.00	18.00
	JEAJ	JFCJ

NO. 04, TWO DOZEN; BALANCE, ONE DOZEN IN A CASE.

DINNER PAILS.



Seamed Case, Tinned Cover, No Cup.

No. 030—6½x8⅜ in., listed capacity 4 qts., w't per doz. 27 lbs., per dozen **JEFJ** $13.50

No. 040—7⅜x9¼ in., listed capacity 5 qts., w't per doz. 26 lbs., per dozen **JFBJ** $15.00

ONE DOZEN IN A CASE.



Round Edge, with Coffee Flask in Cover, Pie Tray and Cup, Improved Tinned Bail, Enameled Wood Handle.

Nos.	10	11	12
Sizes, in.	8x5	8¼x5½	8½x6
W't, doz., lbs.	27	28	30
Per dozen	$19.50	21.00	22.50
	JHAJ	JHFE	JIBE

ONE DOZEN IN A CASE.



Aurora Pattern.

No. 77—Oval, seamless cover, deep tin inset, seamless tin pie tray, tinned wire bail, enameled wood handle, 9x5½x7 in., w't per doz. 30 lbs., per dozen ..... **JGBJ** $17.50



No. 140—4 qt., miner's size., 6¾x8½ in., seamless enameled cover, fitting over outside, 1 case and pie tray, tinned bail, enameled wood handle, w't per doz. 27 lbs., per dozen **JGHJ** $19.00

ONE DOZEN IN A CASE.



MILK KETTLES.

Seamed, with Bails and Tin Covers.

Nos.	571	572
Actual capacity, qts.	1	2
W't per doz., lbs.	8	12
Per dozen	$6.00	7.50
	BDJ	CAJ

NO. 571, THREE DOZEN; NO. 572, TWO DOZEN IN A CASE.

SEAMED CULLENDERS.



Nos.	1	2
Diam., in.	10	11
W't per doz., lbs.	11	13
Per dozen	$6.00	7.00
	AFE	BDJ

THREE DOZEN IN A CASE.

SEAMED COVERED BUCKETS.



Retinned Cover, Tinned Bail.

Nos.	50	100	200
Quarts, listed capacity	½	1	2
Sizes, in.	4½x2⅜	5⅛x3½	6¼x4⅛
W't, doz., lbs.	5	10	12
Per dozen	$4.50	5.00	6.00
	ABJ	AEJ	AGJ

Nos.	300	400
Quarts, listed capacity.	2¾	3¼
Sizes, in.	6⅛x4½	7¼x5
W't per doz., lbs.	15	18
Per dozen	$7.50	9.00
	BBJ	BGE

THREE DOZEN IN A CASE.

SEAMLESS WATER PAILS.



Tinned Bail, Enameled Wood Grip.

Nos.	110	112	114
Quarts, listed capacity	10	12	15
Sizes, in.	10½x7¾	11½x8¼	12x9¼
W't, doz., lbs.	30	36	42
Per dozen	$13.00	15.00	18.00
	JDBJ	JDHJ	JFBE

ONE DOZEN IN A CASE.

CRUSO POT COVERS.



Metal Knobs.

Size, in.	9½	10	10½
Per dozen	$3.25	3.40	3.50
	AAE	ABJ	ABE
Size, in.	11	11½	12
Per dozen	$3.75	4.25	4.75
	ADJ	AEJ	AGJ

No. 325 Assortment, 6 covers each 9½, 10, 10½, 11, 11½ and 12 in., w't 26 lbs., per assortment ..... **JCIJ** $10.50

ONE ASSORTMENT IN A SHIPPING CARTON.

CRUSO GRAY ENAMELED WARE.

STRAIGHT SAUCE POTS.



Seamed, with Tin Cover.

Nos.	024	026	028
Quarts, listed capacity	10	12	16
Size, in.	9⅞x7¼	10⅝x8½	11⅜x9¼
W't, doz., lbs.	24	33	42
Per dozen	$16.00	20.00	24.00
	JFCJ	JGEJ	JIIJ

Nos.	030	032
Quarts, listed capacity	18	24
Size, in.	12⅜x10	12⅝x10¾
W't per doz., lbs.	48	54
Per dozen	$27.00	30.00
	ABJJ	ACEJ

NOS. 018 TO 026, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A CASE.

SEAMLESS STOVE POTS.



Flat Bottom, Enameled Cover.

Nos.	607	608	609
Quarts, actual capacity	9	14	18
Size, in.	9¼x9	10x9¾	12x10½
W't, doz., lbs.	42	54	69
Per dozen	$21.00	27.00	33.00
	JIAJ	AAGJ	ADCJ

ONE DOZEN IN A CASE.

SEAMLESS STOCK POTS.



Heavy Retinned Seamless Cover.

Nos.	1028	1030	1032
Quarts, listed capacity	16	18	24
Size, in.	7¼x11¼	9x12½	8¼x13¼
W't, doz., lbs.	48	61	71
Per dozen	$25.00	33.00	39.00
	AJHJ	ADCJ	AFHJ

ONE DOZEN IN A CASE.

OVAL FOOT TUBS.



No. 2—Seamed, round handles, size 18x14½x8 in., w't per doz. 51 lbs., per dozen ..... JEGJ $20.00

ONE DOZEN IN A CASE.

WASH BOWLS.



With Eyelet.

Nos.	26	28	30
Diam., in.	10⅛	11⅜	12⅝
W't per doz., lbs.	7½	8	11
Per dozen	$4.00	4.50	5.00
	JIE	AAJ	ABJ

Nos.	32	34
Diam., in.	13	14
W't per doz., lbs.	12	14
Per dozen	$6.00	7.00
	AEJ	AIJ

NOS. 26 TO 32, SIX DOZEN; BALANCE, FOUR DOZEN IN A CASE.

SOAP DISHES.



No. 6—6½x4x1½ in., seamless with drainer, w't per doz. 3¼ lbs., per dozen ..... AJJ $3.00

SIX DOZEN IN A CASE.

WINDSOR DIPPERS.



Improved Round Handle.

Nos.	100	110	112
Quarts, listed capacity	½	1	2
W't per doz., lbs.	4	5	6
Per dozen	$3.50	4.00	4.50
	JIE	AJE	AAE

SIX DOZEN IN A CASE.

CUSPIDORS.



No. 1—7x4 in., w't per doz. 10½ lbs., per dozen ..... BJE $5.00

No. 8—7⅝x4½ in., w't per doz. 14 lbs., per dozen ..... CJJ $7.50

THREE DOZEN IN A CASE.

CHAMBER PAILS.



Seamed, Enameled Cover, Tinned Bail, Enameled Wood Grip.

No. 10—10 qt., listed capacity, w't per doz. 33 lbs., per dozen JGBJ $18.00

No. 20—12 qt., listed capacity, w't per doz. 54 lbs., per dozen JHDJ $21.00

ONE-HALF DOZEN IN A CASE.

CHAMBERS.



Seamless, Hollow Handle.

Nos.	1	1½	2
Size, in.	7¼x4	8¼x4⅝	9⅝x4⅞
W't, doz., lbs.	7½	12	18
Per dozen	$6.00	7.50	9.00
	AIJ	BBJ	BHJ

TWO DOZEN IN A CASE.

CHAMBER COVERS.



No. 01—For No. 1 Chambers, w't per doz. 4½ lbs.....per dozen JIJ $3.00

No. 01½—For No. 1½ Chambers, w't per doz. 5 lbs., per dozen AAE $3.50

No. 02—For No. 2 Chambers, w't per doz. 6 lbs.....per dozen ABJ $4.00

BED OR DOUCHE PANS.



No. 2—15¾x11¼x3 in., seamless, w't per doz. 40 lbs....per dozen AJAJ $24.00

ONE IN A PASTEBOARD BOX.

BED PANS.



No. 1—17¾x12½x4¾ in., w't per doz. 36 lbs.....per dozen ADFE $36.00

ONE IN A PASTEBOARD BOX.

AMERICAN ALL WHITE ENAMELED WARE.

Triple Coated with Pure Brilliant White Porcelain Enamel, Black Bead, Gas and Electric Welded Spouts, Ears and Handles.

TEA POTS.



Seamless, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	01	01½	02
Quarts, actual capacity	1	1½	2
W't, doz., lbs.	15	18	24
Per dozen	$13.50	15.00	16.50
	JGIJ	JHGE	JIFE

ONE DOZEN IN A CASE.

COFFEE POTS.



Seamless, Enameled Cover, Spun Knob, Hollow Handle.

Nos.	01	01½	02
Quarts, actual capacity	1	1½	2
W't, doz., lbs.	14	18	21
Per dozen	$13.50	15.00	16.50
	JGIJ	JHGE	JIFE

Nos.	03	04	05
Quarts, actual capacity	3	4	5
W't, doz., lbs.	24	30	33
Per dozen	$18.00	21.00	24.00
	AJED	ABCJ	ADJE

ONE DOZEN IN A CASE.

TEA KETTLES.



Seamless, Flat Bottom, Enameled Cover, Spun Knob, Tinned Bail, Wood Grip.

Nos.	07	08	09
Quarts, actual capacity	5	7	8
W't ,doz., lbs.	36	42	44
Per dozen	$28.00	32.00	38.00
	AFDJ	AHGJ	BBBE

ONE DOZEN IN A CASE.

MILK PANS.



Seamless.

Nos.	1	2	3
Quarts, actual cap.	1	2	3
W't per doz., lbs.	5	7	9
Per dozen	$3.25	3.75	4.00
	AIJ	BBJ	BCE
Nos.		4	5
Quarts, actual capacity		4	5
W't per doz., lbs.		14	16
Per dozen		$5.50	6.25
		CBJ	CFE

SIX DOZEN IN A CASE.

"BERLIN" KETTLES.



Seamless, Enameled Cover, Wood Knob, Tinned Bail, Wood Grip.

Nos.	04	06	08
Quarts, actual capacity	4	6	8
W't, doz., lbs.	27	36	42
Per dozen	$13.00	16.00	19.00
	JGFJ	JICE	AAAJ

ONE DOZEN IN A CASE.

LIPPED PRESERVING KETTLES.



Seamless, New Deep Pattern, Tinned Bail, Wood Grip.

Nos.	24	26
Quarts, actual capacity	5	6
W't per doz., lbs.	24	26
Per dozen	$8.50	9.50
	DIE	EEE
Nos.	28	30
Quarts, actual capacity	8	10
W't per doz., lbs.	32	36
Per dozen	$11.50	14.00
	JFHJ	JHBJ

NOS. 24 TO 28, TWO DOZEN; NO. 30, ONE DOZEN IN A CASE.

LIPPED SAUCE PANS.



Seamless, New Deep Pattern, Strong Handle.

Nos.	12	14	16	18
Quarts, actual capacity	1	1½	2	2½
W't, doz., lbs.	8	10	12	14
Per dozen	$4.00	4.50	5.00	5.75
	BCE	BFJ	BIJ	CCE
Nos.	20	22	24	
Quarts, actual cap.	3	4	5	
W't per doz., lbs.	16	20	24	
Per dozen	$6.75	7.50	8.50	
	CIE	DDJ	DIE	

NOS. 12 TO 18, THREE DOZEN; BALANCE, TWO DOZEN IN A CASE.

RICE BOILERS.



Seamless, Enameled Cover.

Nos.	53	54
Quarts, steamer, actual capacity	2	3
W't per doz., lbs.	40	54
Per dozen	$19.50	25.50
	AADJ	ADIJ

ONE DOZEN IN A CASE.

MILK KETTLES.



Seamless, Enameled Cover, Tinned Bail, Wood Grip.

Nos.	10	20	30
Quarts, actual capacity	1	2	3
W't, doz., lbs.	12	24	30
Per dozen	$10.00	13.00	14.50
	JEHE	JGFJ	JHEJ

ONE DOZEN IN A CASE.

DISH PANS.



Seamless, Extra Deep, Hollow Handles.

Nos.	10	14	17
Quarts, actual capacity	10	14	17
W't, doz., lbs.	30	54	63
Per dozen	$13.75	16.25	18.75
	JHJE	JIEJ	AJIE



Seamless, Oval, Hollow Handles.

Nos.	15	18
Quarts, actual capacity	15	18
W't per doz., lbs.	55	70
Per dozen	$22.00	26.25
	ABHE	AECE

ONE DOZEN IN A CASE.

IL-A-NOY WHITE ENAMEL WARE.

IL-A-NOY Three Coats of Pure Porcelain Enamel on Heavy Steel Base.

DISH PANS.

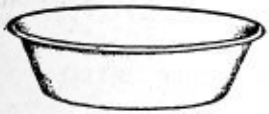


Oval, Handled.

No. 409—Size 17¼x13x5½ in., w't per doz. 33 lbs. ....per dozen **JGBJ** $13.50

ONE DOZEN IN A CASE.

SINK DISH PANS.

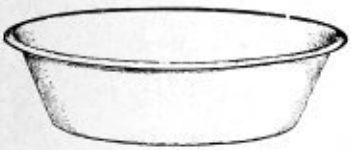


Infants' Bath or Foot Tubs. Oval, Roll Rim.

Nos.	415	418
Size, in.	19x15x5¼	21x17x5¼
Listed capacity, qts.	15	18
W't per doz., lbs.	42	48
Per dozen	$20.00 AJHJ	24.00 ABFJ

ONE DOZEN IN A CASE.

INFANTS BATH.



Oval, Roll Rim.

No. 701—Size 25¼x20¼x5¾ in., w't per doz. 81 lbs. ....per dozen **BJGJ** $39.00

ONE-HALF DOZEN IN A CASE.

SINK STRAINERS.



Seamless, with Feet.

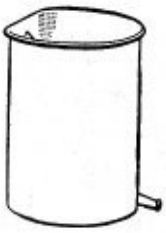
No. 309—Size 9¼x8¼x4 in., w't per doz. 12 lbs. .....per dozen **CAE** $4.00

No. 308—Size 8x3⅝ in., w't per doz. 9 lbs. .....per dozen **BDJ** $3.75

The best sink strainer made. May be used in any sink.

SIX DOZEN IN A CASE.

IRRIGATORS.



Seamless.

No. 22—Listed capacity 2 qts., w't per doz. 15 lbs. ..per dozen **JEEE** $10.00

TWO DOZEN IN A CASE.

INFANT'S FOLDING BATH STANDS.



Complete With White Enameled Tub.

No. 709—White enamel finish, brass nickel plated towel rack, rubber feet, folds down flat, height 27 in., tub three coat white enameled, extra large, seamless, 27x19x7 in., w't per doz. 168 lbs..per dozen **JFDHJ** $120.00

AMERICAN ALL WHITE ENAMELED WARE.

Triple Coated with Pure Brilliant White Porcelain Enamel, Black Bead, Gas and Electric Welded Spouts, Ears and Handles.

DEEP PUDDING PANS.



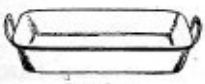
Seamless Round.

Nos.	1	1½	2
Quarts, actual cap.	1	1½	2
W't per doz., lbs.	6	7	9
Per dozen	$3.75 BBJ	4.00 BCE	4.50 BFJ

Nos.	3	4	5	6
Quarts, actual capacity	3	4	5	6
W't, doz., lbs.	10	12	15¼	20
Per dozen	$5.00 BIJ	5.50 CBJ	6.25 CFE	7.50 DDJ

SIX DOZEN IN A CASE.

OBLONG PANS.



Seamless.

Nos.	13	14	15
Size, inside, in.	9x13	9½x14	10½x15
W't, doz., lbs.	31	38	43
Per dozen	$11.50 JFHJ	12.50 JGCJ	14.00 JHBJ

TWO DOZEN IN A CASE.

WINDSOR DIPPERS.



Seamless, Round, Hollow Handle.

Nos.	110	112
Quarts, actual capacity	¾	1
W't per doz., lbs.	7	8
Per dozen	$5.00 BIJ	5.50 CBJ

SIX DOZEN IN A CASE.

BASTING SPOONS.

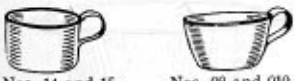


Threaded Handle.

Length, in.	12	14
W't per doz., lbs.	2½	3
Per dozen	$2.25 ACJ	2.50 ADE

TWELVE DOZEN IN A CASE.

SEAMLESS DRINKING CUPS.



Nos. 14 and 15. Nos. 09 and 010.

Nos.	14	15	09	010
Size, in.	3½x2¼	4x2½	4x2½	4½x2¼
W't, doz., lbs.	4	5	3	4
Per dozen	$2.25 ACJ	2.50 ADE	2.50 ADE	2.75 AFJ

TWELVE DOZEN IN A CASE.

WATER PAILS.



Seamless, Tinned Bail, Wood Grip.

Nos.	110	112	114
Quarts, actual capacity	10	12	14
W't, doz., lbs.	42	47	51
Per dozen	$16.50 JIFE	19.00 AAAJ	22.50 ACAE

ONE DOZEN IN A CASE.

PITCHERS.



Seamless.

Nos.	1	2
Quarts, actual capacity	1	2
W't per doz., lbs.	12	15
Per dozen	$10.75 JFCJ	12.25 JGAE

Nos.	3	4
Quarts, actual capacity	3	4
W't per doz., lbs.	23	26
Per dozen	$16.00 JHGE	17.50 AJBE

ONE DOZEN IN A CASE.

BOWLS AND PITCHERS.



No. 7—Seamless pitcher, actual capacity 6½ qts., 14 in. bowl, w't per doz. sets 168 lbs., per dozen sets AGCJ $34.50

ONE SET IN A BOX.

WALL SOAP DISHES.



Seamless.

No. 60—6x4 in., with drainer, w't per doz. 5 lbs. .....per dozen BBJ $3.75

TWELVE DOZEN IN A CASE.

PIE PLATES.



Seamless, Shallow.

Nos.	9	10
W't per doz., lbs.	6	8
Per dozen	$3.25 AIJ	3.75 BBJ

TWELVE DOZEN IN A CASE.

CULLENDERS.



Seamless, Hollow Handles.

No. 1306—11½x4½ in., w't per doz. 17 lbs. .....per dozen EEE $9.50

TWO DOZEN IN A CASE.

WASH BOWLS.



Seamless.

Nos.	028	030
Size, in.	11¼x3	12½x3½
W't per doz., lbs.	14	15
Per dozen	$5.75 CCE	6.50 CHJ

Nos.	032	034
Size, in.	13½x3½	14x3¾
W't per doz., lbs.	18	25
Per dozen	$7.50 DDJ	9.00 EBE

NOS. 028 AND 030, SIX DOZEN; NOS. 032 AND 034, THREE DOZEN IN A CASE.

CHAMBERS.



Seamless.

Nos.	1½	2
Size, in.	8½	10
W't per doz., lbs.	18	21
Per dozen	$9.50 DBJ	11.50 JECJ

ONE DOZEN IN A CASE.

CHAMBER COVERS.



Wood Knob.

Nos.	1½	2
W't per doz., lbs.	8	9
Per dozen	$4.50 BDJ	5.00 BGJ

LOOSE.

AMERICAN ALL WHITE ENAMELED WARE.

Triple Coated with Pure Brilliant White Porcelain Enamel, Black Bead, Gas and Electric Welded Spouts, Ears and Handles.

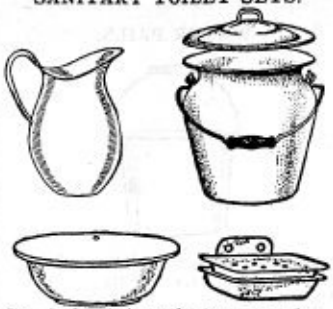
COMBINETS.



No. 3—Seamless, 12 qts. actual capacity, tinned bail, wood grip, w't per doz. 57 lbs. .....per dozen **AEFJ** $31.00

ONE IN A CARTON.

SANITARY TOILET SETS.



No. 1—Consisting of 12 qt. seamless combinet, 14 in. wash basin, 7 qt. pitcher and 6x4 in. soap dish with drainer, handles and ears welded, no rivets, w't 21 lbs., per set **CFJ** $7.50

ONE SET COMPLETE IN A CASE.

CUSPIDORS.



Seamless.

No. 20—8x5 in., w't per doz. 13 lbs., per dozen .....**JGIJ** $13.50

ONE DOZEN IN A CASE.

WHITE AND WHITE ENAMELED WARE.

BOTTLE FUNNELS.



Seamless, Blue Handles.

No. 0—Diameter 1¼ in., w't per doz. 1¾ lbs. .....per dozen **JIJ** $1.50

CUP, PLATE AND SAUCER SETS.



No. 8—Set consists of 3½ in. cup, 5 in. saucer, 7 in. plate, w't per doz. sets 15 lbs. .....per dozen sets **CJJ** $5.00

CUPS AND SAUCERS.



No. 01½—Cups 4x2 in., saucers 6 in., w't per doz. sets 5 lbs., per dozen sets.....**BAJ** $4.00

TEA AND COFFEE STRAINERS.



No. 142—Seamless, diameter 3¾ in., w't per doz. 1¼ lbs., per doz. **AAJ** $2.00

MOLASSES PITCHERS.

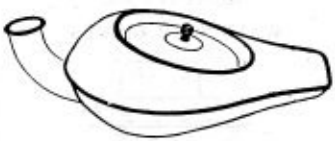


Black Handle.

No. 10—1½ pts., seamless, heavy nickel plated spring top, w't per doz. 12 lbs., per dozen .....**EDJ** $9.00

FOUR DOZEN IN A CASE.

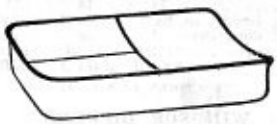
BED PANS.



No. 1—Full length 17½ in., body 15x12½ in., w't per doz. 42 lbs., per dozen .....**AHJJ** $30.00

ONE IN A CARTON.

BED OR DOUCHE PANS.



Seamless.

No. 2—16x12x2¼ in., w't per doz. 48 lbs., per dozen .....**ACEJ** $25.00

ONE IN A CARTON.

COMBINETS.



Seamless.

No. 2—10 qt., w't per doz. 54 lbs., per dozen .....**ACBJ** $25.00

ONE-HALF DOZEN IN A CASE.

FOOT TUBS.



Seamless.

No. 1—17½x14x7 in., w't per doz. 48 lbs., per dozen .....**AAEJ** $20.00

ONE DOZEN IN A CASE.

H. S. B. & CO.'S IMPORTED "SWEDISH" WHITE AND WHITE ENAMELED WARE.

First Quality Heavy Steel Base Coated with Purest White Enamel Inside and Outside, Edges Deep Blue.

TEA POTS.



Seamless, Enameled Covers, Blue Handles.

No. 211—Size..	½	1	1½
Quarts	½	1	1½
W't, doz., lbs.	7	11	14½
Per dozen	$21.60	24.00	30.00
	JFEJ	JGBJ	JIJJ

SUGAR BOWLS.



Seamless, Enameled Covers, Blue Handles.

Nos. 211½—Size	12	14
Inches	4¼	5½
Quarts	½	1
W't per doz., lbs.	6½	11½
Per dozen	$21.60	24.00
	JFEJ	JGBJ

CREAM JUGS.



Seamless, Blue Handles.

No. 212—Size	8	9
Inches	3⅛	3½
Quarts	⅜	½
W't per doz., lbs.	3	4
Per dozen	$12.00	13.20
	JCFJ	JCIE

MIXING BOWLS.



No. 223—Size..	12	14	16
Inches	4¾	5½	6¼
Quarts	¾	½	¾
W't, doz., lbs.	3	4	4¼
Per dozen	$4.80	6.00	7.20
	ADE	AHJ	BAE

No. 223—Size..	18	20	22
Inches	7⅛	8	8¾
Quarts	1¼	1¾	2½
W't, doz., lbs.	5¾	8½	10½
Per dozen	$9.00	11.40	14.40
	BGJ	JCDJ	JDCJ

SOUP BOWLS.



Footed.

No. 223-B—Size	12	14
Inches	4¾	5½
W't per doz., lbs.	3¾	5
Per dozen	$6.00	7.20
	AHJ	BAE

CUSTARD OR PUDDING BOWLS.



No. 223-A—Size	7	8	9
Inches	2¼	3¼	3½
W't, doz., lbs.	1½	2½	2½
Per dozen	$3.60	4.20	4.80
	AAJ	ABE	ADE

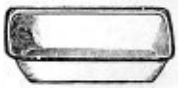
DEEP BOWLS.



No. 228—Size	24	28
Inches	9½	11
Quarts	2¾	4
W't per doz., lbs.	10½	14
Per dozen	$13.20	16.80
	JDAJ	JEAE

No. 228—Size..	32	34	36
Inches	12½	13½	14¼
Quarts	6	7	8½
W't, doz., lbs.	19	21	24
Per dozen	$21.60	24.00	26.40
	JEDJ	JFEJ	JGIJ

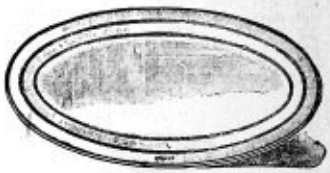
OBLONG DISHES.



No. 225—Size..	20	22	24
Inches	8	8¾	9½
W't, doz., lbs.	5½	6½	8
Per dozen	$7.80	9.00	10.20
	BCE	BGJ	JCJE

No. 225—Size	26	28
Inches	10¼	11
W't per doz., lbs.	10	12
Per dozen	$11.40	12.60
	JCDJ	JCHJ

OVAL PLATTERS.



No. 227—Size	30	35
Inches	11¾	13¾
W't per doz., lbs.	6½	9
Per dozen	$14.40	18.00
	JDCJ	JEDJ

No. 227—Size	40	45
Inches	15¾	17¾
W't per doz., lbs.	12	18
Per dozen	$21.60	30.00
	JGEJ	JIJJ

DINNER PLATES.



No. 219—Size..	20	22	24
Inches	8	8¾	9½
W't, doz., lbs.	3	3½	5
Per dozen	$5.40	6.00	6.60
	AFJ	AHJ	BJJ

H. S. B. & CO.'S IMPORTED "SWEDISH" WHITE AND WHITE ENAMELED WARE.

FIRST QUALITY HEAVY STEEL BASE COATED WITH PUREST WHITE ENAMEL INSIDE AND OUTSIDE, EDGES DEEP BLUE.

DEEP SOUP PLATES.



No. 220—Size..	22	24	26
Inches	8¼	9½	10¾
W't, doz., lbs.	3¼	5	6
Per dozen	$6.00	6.60	7.80
	AHJ	BJJ	BCE

CUPS.



Flaring, Blue Handles.

No. 202—Size..	7	8	9
Inches	2¾	3⅛	3½
W't, doz., lbs.	1¾	2	2½
Per dozen	$4.80	5.40	6.00
	ADE	AFJ	AHJ

SAUCERS.



No. 205-A—Size	13	14
Inches	5⅛	5½
W't per doz., lbs.	1¾	2
Per dozen	$3.72	4.08
	AAJ	ABJ

MUGS.



Seamless, Straight, Blue Handles.

No. 207—Size..	6	7	8
Inches	2⅜	2¾	3⅛
Quarts	¼	⅜	½
W't, doz., lbs.	2	3½	4¼
Per dozen	$4.20	4.80	5.40
	ABE	ADE	AFJ

No. 207—Size.....	9	10
Inches	3½	4
Quarts	⅝	⅞
W't per doz., lbs.	5	6
Per dozen	$6.60	7.80
	BJJ	BCE

TUMBLERS.



No. 206½—Size 7, diam. 2¾ in., w't per doz. 1 lb. .....per dozen **AFJ** $5.40

LADLES.



No. 231—Size.....	9	10
Inches	3½	4
W't per doz., lbs.	3½	4
Per dozen	$5.40	6.00
	AFJ	AHJ

SOAP DISHES.





Hanging, With Drainer.

No. 243—Size 3½x4¾ in., w't per doz. 3¾ lbs. .....per dozen **BGJ** $9.00

SPITTOONS.



Removable Cover.

No. 247—Size 8¼ in., w't per doz. 12 lbs., per dozen .....**JGBJ** $24.00

WASH BOWLS.



No. 236—Size.....	28	30
Inches	11	11¾
W't per doz., lbs.	11	12
Per dozen	$11.40	12.60
	JCDJ	JCHJ
No. 236—Size.....	32	34
Inches	12½	13½
W't per doz., lbs.	14	17
Per dozen	$13.80	15.60
	JDAE	JDGJ
No. 236—Size.....	36	40
Inches	14¾	15¾
W't per doz., lbs.	19	26
Per dozen	$18.00	24.00
	JEDJ	JGBJ

PITCHERS.



No. 237—Size.....	13	15
Inches	5⅛	5¾
Quarts	2	3
W't per doz., lbs.	11½	18
Per dozen	$25.80	30.00
	JGGE	JIJJ
Nos. 237—Size.....	17	19
Inches	6¼	7½
Quarts	4	6
W't per doz., lbs.....	24	30
Per dozen	$36.00	54.00
	AJHJ	AFBJ

CHAMBERS.



No. 238—Size.....	18	20
Inches	7⅛	8
W't per doz., lbs.	9	11
Per dozen	$13.20	14.40
	JDAJ	JDCJ
No. 238—Size.....	22	24
Inches	8¾	9½
W't per doz., lbs.	13	17½
Per dozen	$18.00	21.60
	JEDJ	JFEJ

CHAMBER COVERS.



No. 238-A—Size	18	20
W't per doz., lbs.	4	5
Per dozen	$7.80	8.40
	BCE	BEJ
No 2.38-A—Size	22	24
W't per doz., lbs.....	6¼	7½
Per dozen	$9.00	9.60
	BGJ	BIJ





TINWARE

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





NICKEL PLATED COPPER KETTLES.



Rome, Best Grade, 14 oz., Polished, Nickel Plated, Tinned Inside, Solid Copper, Seamless, Double Seamed Body and Breast with Reinforced Wired Cover Opening, Wired Lip Spout Solid Seamed to Body, Solid One-Piece Bail and Brass Ears, Cover-Knob Riveted.

Nos.	35	36	37
Size—Diam., in.	5-6½	6-7½	7-8½
W't per doz., lbs.	24	28	44
Per dozen	$14.00	15.50	17.00
	AAGJ	ABFJ	ACHJ
Nos.	38		39
Size—Diam. in.	8-9½		9-10½
W't per doz., lbs.	50		56
Per dozen	$18.50		20.00
	ADGJ		AEFJ



Goose Neck Spout, Rome Standard 14 Oz. Nickel Plated Kettles.

Nos.	638	639
Size—Diam., in.	8-9½	9-10½
W't per doz., lbs.	50	56
Per dozen	$18.50	20.00
	AEFJ	AFHJ

These kettles are the same as No. 38 and No. 39, except for the gooze neck spout.



Nickel Plated Standard Solid Copper, Seamless, Double Seamed Body and Breast, Solid One-Piece Bail, Enameled Wood Handle.

Nos.	227	228	229
Size—Diam., in.	7-8½	8-9½	9-10½
W't per doz., lbs.	40	45	50
Per dozen	$17.00	18.50	20.00
	ABIJ	ACHJ	ADGJ

These are best grade competitive kettles and will compare favorably with any.



Nickel Plated Solid Copper Tea Kettles, Seamless 20 Oz. Copper Bottom and Body, Concave Convex Pattern, Straight Double Seamed Spout and High Non-buckling Breast, Extra Heavy Brass Ears, Large Bail, Rosewood Grip and Knob.

Nos.	338	339
Size—Diam., in.	8-9½	9-10½
W't per doz., lbs.	60	65
Per doz.	$28.00	30.00
	BCDJ	BEBJ

"The last word in Nickel Plated Copper Kettles."



Special Pattern and Trimmings, Best Nickel Plated 14 oz. Solid Lake Superior Copper, Seamless Body and Bottom, 14 oz. Breast Double Seamed to Body, Reinforced Heavy Wired Cover Opening, Straight Spout, Solid Double Seamed to Body, Special Heavy Copper Deep Rimmed, High Dome Cover, One-Piece Bail with Imitation Rosewood Grip and Cover Knob, Brass Ears.

No.	280	290
Size drain, in.	8-9	9-10
W't per doz., lbs.	53	60
Per dozen	$19.50	21.00
	ADGJ	AECJ

Kettles are special pattern, trimmed to pay better profit. Each kettle has an illustrated descriptive tag attached with printed resale price which can be readily cut off if not satisfactory.

ONE IN A CARTON, ONE-QUARTER DOZEN IN A CASE.

APPROXIMATE KETTLE CAPACITIES.

SIZES	5	6	7	8	9
QUARTS	2¼	3	5	6	7½

WEIGHTS GIVEN ARE PER DOZEN, CASED.



Seamless, Polished Copper, Tinned Inside.

No. 305 —Range, solid brass bail and ear, rosewood grip and cover knob, 6½ in. in diameter, capacity 5 pints, wt per doz. 25 lbs., per dozen ..... **AAAJ** $18.50

A little beauty for parlor or kitchen, gas or gasoline.

ONE-QUARTER DOZEN IN A FIBRE CASE.



No. 376. No. 12.

Range, Nickel Plated Copper, Enameled Wood Handle.

No. 376—Range, nickel plated coppe enameled wood handle, capacity 2 qts 5½ in. flat bottom, w't per do 15½ lbs. .....per dozen **JGBJ** $13.

No. 12—Range, nickel plated IXX ti enameled wood handle, capacity 4 qts 7¼ in. flat bottom, w't per doz. 14 lbs per dozen .....**DBJ** $8.0



No. 20. No. 200.

Range, Nickel Plated Brass, Enameled Wood Handle.

Nos.	20	30	40
Capacity, quarts	1½	2	3
W't per doz., lbs.	12	15	15
Per dozen	$9.00	10.00	12.00
	GEJ	JHGJ	AAAJ

No. 200—Engraved nickel plated brass, enameled wood handle, capacity 3 qts., bottom 6⅝ in., w't per doz. 16 lbs., per doz. ..... **AJEJ** $16.00

ONE IN A BOX.

NICKEL PLATED COPPER WARE.

TEA AND COFFEE POTS.



Coffee. Tea.

ROME, Polished Nickel Plated, 12 oz. Solid Copper, Tinned Inside, Reinforced Wired Top, Riveted Cover Hinge, Improved Riveted Handles.

Coffee, Nos.	1153	1154	1155
Pints	3	4	5
W't doz., bxd., lbs.	20	22	24
Per dozen	$10.00	11.00	12.00
	JHDJ	JICJ	JIIJ
Coffee, Nos.		1156	1158
Pints		6	8
W't doz., bxd., lbs.		26	32
Per dozen		$13.00	15.00
		AJHJ	ABFJ
Tea, Nos.	1102	1103	1104
Pints	2	3	4
W't doz., bxd., lbs.	15	20	22
Per dozen	$9.00	10.00	11.00
	GHJ	JHDJ	JICJ
Tea, Nos.		1105	1106
Pints		5	6
W't doz., bxd., lbs.		24	26
Per dozen		$12.00	13.00
		JIIJ	AJHJ

The best in competition pots.



Coffee. Tea.

ROME, Highest Grade Polished Nickel Plated Full 14 oz. Solid Copper, Purest Block Tinned Inside, Handsomely Plain Swaged, Reinforced Wired Top, Riveted Cover Hinge and Knob, Improved Cold Ferruled Ebonized Handle Riveted Fast from Inside, Solid Seamed Spout, Wired Lip.

Coffee, Nos.	1253	1254	1255
Pints	3	4	5
W't doz., bxd., lbs.	20	24	26
Per dozen	$12.00	13.00	14.00
	JIIJ	AJEJ	AAGJ
Coffee, Nos.		1256	1258
Pints		6	8
W't doz., bxd., lbs.		28	36
Per dozen		$15.00	17.00
		ABIJ	AECJ
Tea, Nos.	1202	1203	1204	1205
Pints	2	3	4	5
W't doz. bxd. lbs.	15	20	24	25
Per dozen	$11.00	12.00	13.00	14.00
	JHHJ	JIIJ	AJEJ	AAGJ

Highest quality tall pattern Pots.

ONE IN A BOX; ONE-QUARTER DOZEN IN A CASE.

PERCOLATORS.



UNIVERSAL Competition Nickel Plated Solid Copper, Pure Tin Lined, Ebonized Handle,

Glass Top.

Nos.	44	46	48	410
Cups	4	6	8	10
Each	$2.00	2.25	2.50	2.75
	AGJ	AHE	BAJ	BCE



UNIVERSAL, Competition Nickel Plated Solid Copper, Pure Tin Lined, Ebonized Handle,

Glass Top.

Nos.	54	56	58	510
Cups	4	6	8	10
W't, lbs.	3½	3½	4	4¼
Each	$2.50	2.75	3.25	3.75
	BAJ	BCE	BGJ	CBJ

INDIVIDUAL TEA AND COFFEE POTS.



Coffee. Tea.

No. 634—Individual coffee, ¾ pt., etched nickel plated tin, metal handle, w't per doz. 4½ lbs., per doz. **ADJ** $5.00

No. 534—Individual tea, ¾ pt., etched nickel plated tin, metal handle, w't per doz. 4½ lbs., per doz. **ADJ** $5.00

ONE IN A PACKAGE.

PERCOLATORS.



ROME, Nickel Plated Heavy Copper Solid Aluminum Fittings, Glass Top, Ebonized Handle.

Nos.	1223	1224	1225
Size, pts.	3	4	5
Cups	4	6	9
W't, lbs.	2	2¼	2½
Each	$1.75	2.00	2.25
	ACJ	AEJ	AGJ



Interior View.

ROME, Nickel Plated Heavy Copper, Solid Aluminum Fittings, Glass Top, Ebonized Handle.

Nos.	2023	2024	2026
Size, pts.	3	4	5
Cups	4	6	9
W't, lbs.	2	2¼	2½
Each	$2.25	2.50	3.00
	AHJ	BJJ	BEJ

Rome Percolators are heavy copper, beautifully nickel plated and finished; intended to supply a good percolator at moderate price.

ONE IN A CARTON.

TEA KETTLE INSET PAILS.



No. 70—Nickel plated copper, highly finished, tinned inside, capacity 3 pts., will fit 7, 8 or 9 Rome tea kettles, w't per doz. 6 lbs...per doz. **EBJ** $7.50

No. 71—Sauce pan handle, otherwise same as No. 70 ..per dozen **DEJ** $7.50

The tea kettle cover can be used for this pail. Convenient and handy, without another vessel on the stove, as a cereal cooker, milk steriliser, etc. Can also be used for a bucket.

PACKED IN INDIVIDUAL CARTONS; ONE-FOURTH DOZEN IN A FIBRE CASE.

"UNIVERSAL" PERCOLATORS AND GLASS PERCOLATOR TOPS.

NICKEL PLATED COPPER PERCOLATORS.



UNIVERSAL, Nickel Plated Copper, Pure Tin Lined, Ebonized Handles, Aluminum Filter Cup and Spreader Plate, Glass Top.

Nos.	25	27	29
Cups	5	7	9
Height, in.	8¼	9¼	10¼
W't each, lbs.	3½	4½	5½
Each	$2.75	3.25	3.75
	BCJ	BGJ	CAE

ONE IN A CARTON.



UNIVERSAL, Nickel Plated Copper, Pure Tin Lined, Ebonized Handles, Aluminum Filter Cup and Spreader Plate, Glass Top.

Nos.	435	437	439
Cups	5	7	9
Height, in.	8	9	10
W't each, lbs.	3	4	5
Each	$4.00	4.50	5.00
	CCE	CGE	DBJ

ONE IN A CARTON.

ALUMINUM PERCOLATORS.



No. 3—3 pt. 6 cup, 6x9½ in. tall, competition polished aluminum, fluted pattern hinged cover with glass top, and ebonized handle, w't each 1½ lbs., each ..... **ABJ** $1.75

This is the percolator used of late as newspaper premium and is intended to meet competition on cheap aluminum percolators.

ONE IN A CARTON.

ALUMINUM PERCOLATORS.



UNIVERSAL, EMPIRE PATTERN. Solid Aluminum Body and Fittings, Ebonized Handle, Glass Top.

Nos.	74	76	79	714
Cups	4	6	9	14
W't, lbs.	2¾	3¼	3¾	4¼
Each	$3.50	4.00	4.50	5.00
	BIE	CCE	CHJ	DBJ



UNIVERSAL, Empire Fluted, Solid Aluminum Body and Fittings, Ebonized Handle, Glass Top.

Nos.	474	476	479
Cups	4	6	9
W't, lbs.	3¼	4	5
Each	$4.00	4.50	5.00
	CCE	CHJ	DBJ

ONE IN A BOX.



No. 10—3½ pt. 7 cup, 5x9½ in. tall, polished heavy aluminum, with glass top and hinged cover and ebonized handle, w't each 2 lbs. ..... each **AFJ** $2.75

A substantial and moderate priced percolator.

ONE IN A CARTON; ONE DOZEN IN A FIBER CASE.

ALUMINUM PERCOLATORS.



UNIVERSAL, COLONIAL PATTERN. Solid Aluminum Body and Fittings, Ebonized Handle, Glass Top.

Nos.	64	66	69	614
Cups	4	6	9	14
W't, lbs.	2¼	3	3¼	5
Each	$3.00	3.50	4.00	4.50
	BEJ	BIE	CCE	CHJ

ONE IN A BOX.



UNIVERSAL, Colonial Fluted, Solid Aluminum Body and Fittings, Ebonized Handle, Glass Top.

Nos.	464	466	469
Cups	4	6	9
W't, lbs.	3	4¼	5
Each	$3.50	4.00	4.50
	BIE	CCE	CHJ

ONE IN A BOX.

GLASS TOPS.

No. 1—Best quality plain glass top, toughest annealed, interchangeable, Universal, Rome, Rochester, etc., per gross ..... **DBJ** $7.20

ONE GROSS IN A PACKAGE.

No. 00—Fluted, interchangeable, same as No. 1 only in kegs of one gross, per gross ..... **CFJ** $6.00

Separate Parts for Universal Percolator Pots Mailed from Factory Only.

Body	each	BAJ	$2.50★
Handle	"	AG	.20★
Handle brackets	"	AB	.15★
Spout, with nut	"	EE	.65★
Foot plate	"	EE	.65★
Ring for top	"	AG	.20★
Filter cup	"	CH	.45★
Spreader plate	"	AG	.20★
Tube only	"	BJ	.25★
Valve cap	"	AG	.20★
Valve with seat	"	AG	.20★
Stove plate	"	BJ	.25★
Tube nuts	"	CE	.40★
Tube, complete with filter cup	"	AJJ	1.20★
Complete inside without top ring	"	AJE	1.25★

PERCOLATORS, TEA BALL POTS AND FIVE O'CLOCK TEA KETTLES.

ROME TEA BALL POTS.



Polished Nickel Plated 18 oz. Solid Copper, Thoroughly Tinned Inside, Aluminum Tea Ball, with German Silver Fastening, Ebonized Knobs and Handle with Shield at Lower End.

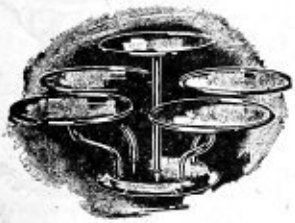
Nos.	2013	2014
Cups	4	6
W't per doz., lbs.	25	30
Each	$2.25	2.50
	AGE	BJJ

Polished Solid Aluminum with German Silver Fastening, Ebonized Knobs and Handle with Shield at Lower End.

Nos.	5013	5014
Cups	4	6
W't per doz., lbs.	20	24
Each	$2.50	2.85
	BAJ	BDJ

ONE-QUARTER DOZEN IN A CASE.

PERCOLATOR DISPLAY STANDS.



No. 14—Universal, nickel plated, a handsome store fixture and an efficient silent salesman, furnished free with an order for 1 dozen assorted Nos. 64, 66, 69, 614, 74, 76, 79, 714, 464, 466, 469, 474, 476 and 479 **Aluminum Universal Percolators.**

UNIVERSAL TEA BALL POTS.



Lowering Tea Ball into freshly boiled water.



Perfect Tea ready to serve.

Note that the Tea Ball is entirely above the liquid.

No. 100—Universal, nickel plated copper, capacity 6 cups, w't 4 lbs., each .....**DCJ** $6.50



No. 200—Universal, polished solid aluminum, ebonized handle and knob, capacity 6 cups, w't 3 lbs., each .....**BEJ** $3.00



No. 400—Universal, polished solid aluminum, octagon pattern, ebonized handle and knob, capacity 6 cups, w't 3 lbs. .....each **BIE** $3.50

ONE IN A PASTEBOARD BOX.

FIVE O'CLOCK TEA KETTLES.



No. 111—Solid brass 2 pt. kettle and stand, asbestos burner, height 11 in., w't 1 lb. .....each **BAE** $4.00



No. 104—2 pt. polished brass tilting kettle, brass stand, asbestos burner, height 10 in., diam. of base 6 in., w't 6 lbs. .....each **CFJ** $7.00

No. 1040—Nickel plated copper, otherwise same as No. 104, each **DBJ** $7.50

No. 1045—Polished copper, otherwise same as No. 104 .....each **DBJ** $7.50



No. 1214—2 pt. dull copper, tilting kettle, mission style, asbestos, forced draft burner, height 10¼ in., w't 2½ lbs., each .....**JGBJ** $12.50

ONE IN A BOX.

"UNIVERSAL" PERCOLATING MACHINES, CREAMERS AND SUGARS.

PERCOLATING MACHINES.



Nos. 226-C to 229-N. Nos. 006 to 1009.

Polished Copper Finish.

Nos.	226-C	229-C
Cups	6	9
W't, lbs.	8½	10
Each	$8.75	10.00
	EHJ	JFEE

Nickel Plated Copper.

Nos.	226-N	229-N
Cups	6	9
W't, lbs.	8½	10
Each	$8.75	10.00
	EHJ	JFEE

ONE IN A CASE.

Polished Copper Finish.

Nos.	1006	1009
Cups	6	9
W't, lbs.	8	8½
Each	$10.50	11.75
	JFJJ	JGEJ

Nickel Plated Copper.

Nos.	006	009
Cups	6	9
W't, lbs.	8	8½
Each	$10.50	11.75
	JFEJ	JGEJ

Beginning with cold water the "Universal" pumps while the water is heating and completes the percolation before the water boils. In this the "Universal" differs from all others. Coffee made in the "Universal" is easily known by its delicious aroma, fine flavor and the absence of the bitter taste, found in coffee BOILED in other devices.

PERCOLATING MACHINES.



Nos. 366, 369. Nos. 406, 409.

Nickel Plated Copper.

Nos.	366	369
Cups	6	9
W't, lbs.	10	12
Each	$15.75	17.00
	AJJJ	AJHJ
Nos.	406	409
Cups	6	9
W't, lbs.	9	10
Each	$13.75	15.00
	JHGH	JIHJ

Any of the above can be supplied polished copper finish if so specified, at same price as nickel plated, also silver plated at the regular advance for same, but nickel plated is strongly recommended as most satisfactory and durable.



Nos. 796-C to 799-N. Nos. 134 to 1139.

Combination Coffee Pot and Percolating Machine.

Polished Copper.

Nos.	1134	1136	1139
Cups	4	6	9
Height, in.	11	12	13
W't, lbs.	8	8	9¼
Each	$10.00	11.25	12.50
	JFDJ	JGEJ	JHJJ

Nickel Plated.

Nos.	134	136	139
Each	$10.00	11.25	12.50
	JFDJ	JGEJ	JHJJ

Pot is removable, allowing one to make coffee on a stove and keep it warm at the table.

Polished Copper Finish.

Nos.	796-C	799-C
Cups	6	9
W't, lbs.	9	10½
Each	$11.00	12.25
	JGCE	JHAE

Nickel Plated Copper.

Nos.	796-N	799-N
Cups	6	9
W't, lbs.	9	10½
Each	$11.00	12.25
	JGCE	JHAE

ONE IN A CASE.

PERCOLATING MACHINES.



Polished Copper Finish.

Nos.	4436-C	4439-C
Cups	6	9
W't, lbs.	8	10¾
Each	$12.50	13.75
	JHCE	JIAE

Nickel Plated Copper.

Nos.	4436-N	4439-N
Cups	6	9
W't, lbs.	8	10¾
Each	$12.50	13.75
	JHCE	JIAE

ONE IN A CASE.

CREAMERS AND SUGARS.

Solid Copper, Gold Lined, Capacity of Sugar ½ lb., Cream 1-3 pt.

As used with percolator sets, page 831.



No. 100N—Nickel plated, creamer or sugar .....each **ADE** $2.00

No. 100C—Polished copper, creamer or sugar .....each **ADE** $2.00



No. 400N—Nickel plated, creamer or sugar .....each **AIJ** $2.75

No. 400C—Polished copper,, creamer or sugar .....each **AIJ** $2.75



No. 600N—Nickel plated, creamer or sugar .....each **BAJ** $3.00

No. 600C—Polished copper, creamer or sugar .....each **BAJ** $3.00

CHAFING DISHES.



No. 651—Individual, 1 pt., nickel plated brass stand and 7 in. tin lined copper pans, ebony handles and knob, with vapor lamp, 9 in. high, w't 3 lbs., each . **CHJ** $5.75

No. 652—2 pt. nickel plated brass stand and 8 in. tin lined copper pans, ebony handles and knob, with vapor lamp, 11 in. high, w't 4 lbs., each ..... **DBJ** $5.75



No. 4530—3 pts., nickel plated brass stand and 9½ in. tin lined copper pans, ebony handles and knob, asbestos lamp with handled regulating cap, w't 5 lbs. .....each **CDJ** $5.50

The asbestos lamp is the simplest and not liable to get out of order.



No. 173—3 pts., nickel plated brass stand and 9½ in. tin lined copper pans, ebony handles and knob, regulating lamp, w't 6½ lbs., each ..... **FJJ** $8.50

No. 175—3 pts., enameled food pan, otherwise same as No. 173, w't 6½ lbs., each ..... **FCJ** $9.00

The enameled food pan is considered more healthful.

ONE IN A PASTEBOARD BOX.



No. 403—3 pts., nickel plated brass stand and 9½ in. tin lined copper pans, ebony handles and knob, w't 7½ lbs., each ..... **EGJ** $8.50

No. 1403—Dull satin copper finish, otherwise same as No. 403, each ..... **FCJ** $8.50

These are first quality, finely finished and have new vapor lamps.



No. 743—3 pts., colonial pattern, nickel plated brass stand and 9½ in. tin lined copper pans, square handles and knob, with vapor lamp, w't 7½ lbs., each ..... **JIJJ** $13.50

This is the stove chafer. A sad iron or any dish or pan may be put over the lamp if the pan is removed.

ONE IN A BOX.



No. 623—3 pts., nickel plated brass stand and 9½ in. tin lined copper pans, square ebony handles and knob, fitted with alcohol stove burner, 11 in. high, w't 10 lbs.....each **JHGJ** $12.50

This chafer with pans removed, may be used as an alcohol stove.

ONE IN A BOX.



No. 297—3 pts., mission pattern nickel plated brass stand and 9½ in. tin lined copper pans, square handles and knob, vapor lamp, w't 7½ lbs., each ..... **JHGJ** $12.00

No. 1297—Dull satin finish, pans copper, tin lined, trimmings, stand and lamp brass, otherwise same as No. 297, each ..... **JHGJ** $12.50

These are heavy and well made, and show big value.

ONE IN A BOX.



No. 2971—3 pts., mission pattern nickel plated brass stand and 9½ in. tin lined copper pans, square handles and knob, mounted on round, heavy oak block, vapor lamp, w't 7½ lbs., each ..... **JIIJ** $14.50

No. 2977—Dull satin copper finish, studded brass hoop around the wood block, otherwise same as No. 2971, each ..... **AJHJ** $17.00

ONE IN A BOX.



No. 9713—Set, nickel plated, consisting of No. 297 chafer, No. 3112 tray, and No. 417-8 Spoon and Fork, each ..... **ABJJ** $18.00

No. 9712—Set, dull satin copper, consisting of No. 1297 chafer, No. 3612 tray and No. 417-8 spoon and fork, each ..... **ABJJ** $18.00

Weights shown are in paper boxes. They must be packed for shipping. Any chafer may be combined with trays on page 832 and accessories, page 831, to make up sets as desired, similar to 9713 and 9712.

PERCOLATOR SETS, CHAFER ACCESSORIES AND SERVING TRAYS.

PERCOLATOR SETS.



Four Piece Set, Nickel Plated Copper or Polished Copper Finish—No. 100 Sugar Bowl and Cream Pitcher, Coffee Machine, 12x18 Inch Tray with Satin Center and Polished Rim.

No. 0064—With 6 cup machine, w't 15 lbs. .....per set **AADJ** $19.50
No. 0094—With 9 cup machine, w t 17 lbs. .....per set **ABFJ** $20.75



Four Piece Set, Nickel Plated Copper, No. 400 Sugar Bowl and Cream Pitcher, Coffee Machine, 12x18 Inch Tray with Satin Center and Polished Rim.

No. 4064—With 6 cup machine, w't 15 lbs. .....per set **ADDJ** $24.25
No. 4094—With 9 cup machine, w't 17 lbs. .....per set **AECJ** $25.50
No. 4066—With 6 cup machine, fluted pattern, six pieces—sugar bowl, cream pitcher, alcohol flagon, wind shield and tray—w't 16 lbs., per set .....**AIHJ** $30.75
No. 4096—With 9 cup machine, otherwise same as No. 4066, w't 18 lbs., per set .....**BAJJ** $32.00



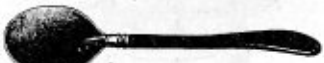
Four Piece Set, Nickel Plated Finish, No. 600 Sugar Bowl and Cream Pitcher, Coffee Machine, 12x16 Inch Tray, Satin Center and Polished Rim.

No. 3664—With 6 cup machine, w't 17 lbs. .....per set **AFHJ** $28.25
No. 3694—With 9 cup machine, w't 19 lbs. .....per set **AHJJ** $29.50

Nickel Plated always supplied unless specified Polished Copper.

ONE IN A CASE.

CHAFING DISH SPOONS AND FORKS.



No. 317—Chafing dish spoon, heavy nickel plated brass, ebonized handle, length 11½ in., w't ½ lb., each .....**JHJ** $1.50



No. 318—Chafing dish fork, heavy nickel plated brass, ebonized handle, length 11½ in., w't ½ lb., each **JHJ** $1.50



No. 117—Chafing dish spoon, polished solid nickel silver, ebony handle, length 12⅛ in., w't ½ lb., each .....**JIE** $2.00



No. 118—Chafing dish fork, polished solid nickel silver, ebony handle, length 12⅛ in., w't ½ lb., each .....**JIE** $2.00



No. 417—Chafing dish spoon, polished solid nickel silver, square handle, length 12 in., w't ½ lb., each .....**JIE** $2.00



No. 418—Chafing dish fork, polished solid nickel silver, square handle, length 12 in., w't ½ lb., each .....**JIE** $2.00



No. 217—Chafing dish spoon, polished solid nickel silver, crown stag handle, length 10½ in., w't ½ lb., each .....**AGJ** $3.00



No. 218—Chafing dish fork, polished solid nickel silver, crown stag handle, length 10½ in., w't ½ lb., each .....**AGJ** $3.00

Spoons and forks are not supplied in copper finish, copper being liable to contaminate food if directly in contact with it.

ONE IN A BOX.

ALCOHOL FLAGONS.



No. 52—Nickel plated copper, polished, low pattern, with thumb valve, capacity ½ pt., height 3¼ in., diam. 3½ in., long spout, w't ½ lb., each .....**AFJ** $3.00

No. 53—Dull brushed, copper finish, otherwise same as No. 52, each .....**AFJ** $3.00

ONE IN A BOX.

SERVING TRAYS.



Round Brass Mountings, Silver Nickel Plated, Brightly Polished.

No. 810—12 in. in diam., depth 1½ in., fitted with glass bottoms showing imitation tapestry underneath, w't per doz. 16 lbs., per dozen **JIFJ** $18.00

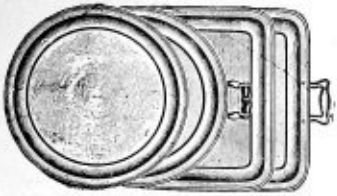
No. 811—12 in. in diam., depth 1½ in., fitted with good quality mirror bottoms, w't per doz. 18 lbs., per dozen .....**ABIE** $24.00

No. 812—12 in. in diam., depth 1½ in., fitted with genuine polished plate glass mirror bottoms, beveled edges, w't per doz. 30 lbs., per dozen .....**AHJJ** $33.00

The glass bottoms of these trays are removable and can be replaced in case of breakage.

ONE IN A CARTON.

TRAYS.



Round, Nickel Plated Heavy Brass, Plain Polished Rims, Satin Centers.

Nos.	3112	3114
Diam., in.	12	14
W't per doz., lbs.	15	18
Per dozen	$20.00	25.00
	AFEE	BJIJ

Side Handles, Otherwise Same as Nos. 3112 and 3114.

Nos.	3212	3214
Diam., in.	12	14
W't per doz., lbs.	20	25
Per dozen	$33.00	42.00
	AHGJ	BDJJ

Oblong, Nickel Plated, Heavy Brass, Plain Polished Rims, Satin Centers.

Nos.	3314	3316
Size, in.	10x14	12x16
W't per doz., lbs.	18	25
Per dozen	$37.00	50.00
	BDJJ	CBDJ

No. 3418—12x18 in. oblong, handled, nickel plated heavy brass, plain polished rims, satin center, w't per doz. 51 lbs. .....per dozen **CHIJ** $70.00

Round, Copper, Plain Polished Rims, Satin Centers.

Nos.	3612	3614
Diam., in.	12	14
W't per doz., lbs.	20	23
Per dozen	$30.00	40.00
	AFEE	BJIJ

Side Handle, Otherwise Same as Nos. 3612 and 3614.

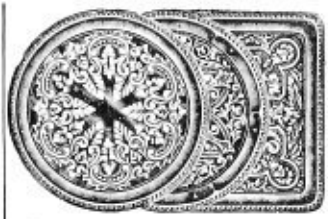
Nos.	3912	3914
Diam., in.	12	14
W't per doz., lbs.	20	25
Per dozen	$33.00	42.00
	AHGJ	BDJJ

Oblong Copper, Plain Polished Rim, Satin Centers.

Nos.	3714	3716
Size, in.	10x14	12x18
W't per doz., lbs.	25	44
Per dozen	$45.00	60.00
	BEBJ	CDEE

No. 3876—12x18 in., oblong, handled copper, plain polished rims, satin centers, w't per doz. 51 lbs., per dozen .....**CHIJ** $70.00

ALL ABOVE WRAPPED SEPARATELY.



Nos. 312, 313, 314. No. 414. Nos. 614, 616.

Round, Etched, Heavy Tin, Nickel Plated.

Nos.	312	313
Diam., in.	12	13
W't per doz., lbs.	7	10
Per dozen	$4.00	4.50
	BJJ	BAE
Nos.	**314**	**414**
Diam., in.	14	14
W't per doz., lbs.	12	12
Per dozen	$5.00	5.75
	BDJ	BEJ

Oblong, Etched, Heavy Tin, Nickel Plated.

Nos.	614	616
Size, in.	10½x14	12x16
W't per doz., lbs.	12	14
Per dozen	$6.50	8.00
	CCE	DBJ

ONE-QUARTER DOZEN IN A PACKAGE.

BREAD.



No. 2—12x6½ in., oval, nickel plated tin, etched "Bread," w't per doz. 4 lbs. .....per dozen **ABJ** $5.00

WRAPPED SEPARATELY.

CRUMB.



No. 118—9x8½ in., embossed tin tray and scraper, w't per doz. sets 7 lbs., per dozen sets .....**AAE** $2.00



No. 114—10x6½ in., nickel plated etched tin tray and scraper with embossed rim, with ebonized handle, w't per doz. 7 lbs...per dozen sets **CJJ** $5.50

ONE DOZEN SETS IN A BOX.

CRUMB.



No. 116—9x8½ in., nickel plated tin, fancy border etched, black and white bristle crumb brush, w't per doz. sets 7 lbs. .....per dozen sets **DEJ** $8.00

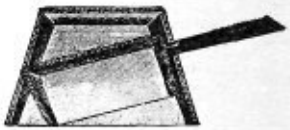
HALF DOZEN SETS IN A BOX.



No. 400—9x6 in., nickel plated brass, scraper to match, with ebonized handle, w't per doz. sets 10 lbs., per dozen sets .....**ABCJ** $22.50

No. 402—Dull brass, otherwise same as No. 400, per doz. sets **ABCJ** $22.50

ONE-HALF DOZEN IN A BOX.



No. 420—8½x5 in., mission pattern, nickel plated brass, beaded edge tray with scraper to match, square ebony handle, w't per doz. 8 lbs., per dozen sets .....**AHJJ** $24.00

No. 422—Brushed brass, otherwise same as No. 420, per doz. sets **AFBJ** $24.00

No. 423—Brushed copper, otherwise same as No. 420, per dozen sets .....**AFBJ** $24.00

ONE-QUARTER DOZEN IN A BOX.



No. 132—8½x6¼ in., nickel plated heavy brass including handle, w't per doz. 10 lbs.....per dozen **ADDJ** $24.00

No. 133—Brushed brass, otherwise same as No. 132, per doz. **ADDJ** $24.00

No. 134—Brushed or polished copper, otherwise same as No. 132, per dozen .....**ADDJ** $24.00

EACH SET WRAPPED SEPARATELY.

BAKING DISHES, DIPPERS, ETC.

BAKING DISHES.



Open.

Nickel Plated Copper with Loose Ring, Ebonized Knob, Flat Indestructible Handles, Food Pan, White Enameled Inside, Blue Outside.

No. 030—Capacity 3 pts., without loose ring, diam. 9 in., w't 2¼ lbs., each .....**BAJ** $2.50
No. 30—Capacity 3 pts., diam. 9 in., w't 2½ lbs. .....each **BFJ** $3.00
No. 40—Capacity 4 pts., diam. 10 in., w't 3 lbs. .....each **BIE** $3.50
A very handsome dish.



Nickel Plated Copper, Block Tin Lined, Beaded Cover, without Loose Ring, Stamped Handle, with Ebonized Wodos, Food Pan, White Enameled Inside, Blue Outside.

No. 10—Capacity 3 pts., diam. 9 in., w't 2½ lbs. .....each **CJJ** $5.00
No. 20—Capacity 4 pts., diam. 10 in., w't 3 lbs. .....each **CBJ** $6.25



No. 204—Nickel plated copper, block tin lined, ornamental cover, ebonized knob, loose rim, fancy handles, 4 pt. blue and white enameled food pan, diam. 10 in., w't 2¼ lbs., each .....**CCJ** $7.00



No. 214—Nickel plated copper, block tin lined, handsome cover beaded, loose rim, fancy handles, 4 pt. white enameled food pan, diam. 10 in., w't 2¼ lbs. .....each **CHJ** $8.00
ONE IN A BOX.

BAKING DISHES.



No. 1848—Solid brush copper, block tin lined, brushed brass knob, legs and handles with ebonized handle woods, heavily nickel plated detachable ring, 3 pt., blue and white enameled food pan, diam. 9 in., w't 3½ lbs., each .....**EBJ** $8.00

No. 848—Nickel plated copper, otherwise same as No. 1848, each .....**EBJ** $8.00
One of the handsomest dishes made.

Unsurpassed in design and finish.

ONE IN A BOX.



No. 1860—Brushed solid copper, block tin lined, mahogany cover knob and side handles, 3 pt. enameled white inside food pan with nickel plated ring, diam. 9 in., w't 3 lbs., each .....**EDJ** $8.00

No. 860—Nickel plated, otherwise same as No. 1860 .....each **EDJ** $8.00

FISH AND STEAK PLANKS.



Heavy White Oak Block, Mounted on Handsome, Nickel Plated Brass Frame.

No. 716—Fish, 16x7 in., w't 5 lbs., each .....**DDJ** $8.50

No. 816—Steak, 16x10 in., w't 7 lbs., each .....**EAJ** $9.50

No. 820—Steak, 20x13 in., w't 11 lbs., each .....**JFIJ** $15.50

SYRUP PITCHERS.



No. 5—Pitcher only, nickel plated etched tin, enameled handle, diam. 3¼ in., w't per doz. 6 lbs., per dozen .....**BCJ** $4.00
ONE IN A BOX.

No. 50—Sets, No. 5 syrup pitcher and 4½ in. tray, w't per doz. 12 lbs., per dozen sets .....**BGJ** $6.75
ONE SET IN A BOX.

COPPER DIPPERS.



Heavy Copper, Nickel Plated, Tinned Inside, Enameled Wood Handle.

No. 30½—½ qt., size 3½x2½ in., w't per doz. 3½ lbs.....per dozen **BFJ** $4.50
No. 31—1 qt., size 4½x3¾ in., w't per doz. 4½ lbs. ....per dozen **DDJ** $7.50
No. 32—2 qt., size 5½x4¼ in., w't per doz. 6 lbs. .....per dozen **EDJ** $9.50

LIQUOR MIXERS.



No. 3. No. 5.

No. 3—5¾x4 in., tin, seamed, w't per doz. 2½ lbs. ....per dozen **JGJ** $1.50
No. 5—7x3¾ in., nickel plated seamless brass, w't per doz. 2½ lbs., per dozen .....**JHFE** $14.00
No. 5½—9¼x4 in., nickel plated, seamless heavy brass, w't per doz. 6 lbs., per dozen .....**ABIJ** $25.00
HALF DOZEN IN A BOX.

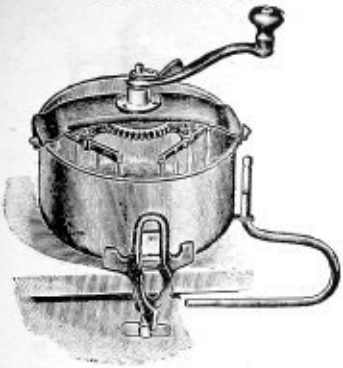


No. 6. No. 7.

No. 6—8x3½ in., combination, nickel plated copper, with strainer, detachable cover and cap, w't per doz. 6 lbs., per dozen .....**ABFJ** $22.50
No. 7—3½x8½ in., combination, aluminum, with strainer, detachable cover and cap, w't per doz. 4 lbs., per dozen .....**JGBJ** $14.00
QUARTER DOZEN IN A BOX.

UNIVERSAL CAKE AND BREAD MAKERS.

CAKE MAKERS.



No. 5—Wrought steel, one piece stamped bowl with extra kneading rod, all parts heavily tinned, capacity 4 qts. or less, w't per doz. 96 lbs., per dozen .....**BJAJ** $21.00

For every revoluton of the crank the beaters revolve five times, insuring rapid, uniform and thorough mixing. Beng open, the mixing process is easily watched, and flavoring, sugars, etc., can be added as required. Can easily be attached to the table.

ONE IN A PASTEBOARD BOX; HALF DOZEN IN A CASE.

BREAD MAKERS.



No. 44—Heavy tin cover, sheet steel body with side clamp, height 10 in., diam. 11 in., w't per doz. 106 lbs., per dozen .....**AHJJ** $24.00

The top of this bread maker is on a level with the table and it can be used by a person sitting down.

ONE-QUARTER OR HALF DOZEN IN A CASE.

BREAD MAKERS.



All Parts Heavily Retinned, with Tinned Cover and Tinned Steel Pail, With Bottom Clamps.

Nos.	2	4	8
Capcty, loaves	2	4	8
Height, in. ...	9	10	11¾
W't, doz., lbs..	65	104	168
Per dozen	$18.00	24.00	27.00
	ABIE	**AIBJ**	**BDJJ**

ONE-QUARTER OR HALF DOZEN IN A CASE.

These machines will mix and knead bread thoroughly in three minutes without putting hands to the dough, simple in construction, readily cleaned, easy to attach to a table. The dough may be left in the pail to raise, thereby doing away with the bread raiser.

REPAIRS FOR ABOVE.

Nos.		5	2	4	Disc. AB% 8	44
Pail	each	$0.50★	.60★	.75	.95	.75★
Cover	each	.....	...	.25	.30	.25★
Bridge	each	.20	.40★	.50	.60	.50★
Crank	each	.20★	.20★	.25	.30	.25
Kneader	each	.20★	.20★	.25	.30	.25
Clamp	each	.20	.20	.25	.30	.50★
Gearing	each	.85	...	...	...	...

★*FOR FACTORY SHIPMENT ONLY, NEW BRITAIN, CONN.*

BEATEN BISCUIT KNEADERS.

For Family Use.

No. 1—Polished steel rollers, double geared, 16x36 in., marble top, steel stand 32 in. high, w't packed complete 100 lbs.★ .....each **ABFJ** $21.00



No. 1.

No. 3—Without stand and fitted to clamp on table, otherwise same as No. 1, w't 20 lbs.,★ each **JFJJ** $10.50

★*FOR FACTORY SHIPMENT ONLY, ST. JOSEPH, MO.*

HOTEL WARE.

HOT WATER AND COFFEE URNS.



Polished Nickel Plated Copper, Nicely Finished, Equipped with Water Gauge Glass and Termometer to Tell Quantity and Temperature of Contents.

Nos.	2302	2303
Capacity, gals.	2	3
W't each, lbs.	18	20
Each	$9.00	10.00
	EHJ	JFEJ

ONE IN A CASE.

EXTRA GAUGE GLASS TUBES.

For Our Urns.

Each ..... BE $0.40

In ordering, specify diameter and length of tube desired.

COFFEE URNS.



Polfshed Nickel Plated Copper, Including Solid Ornamental Base, Single Reservoir Heavily Tinned Inside, Without Water Jacket, Equipped with Glass Gauge and Thermometer to Tell Amount and Temperature of Coffee and Cloth Coffee Sack to Hold Coffee Grounds.

Nos.	2102	2103	2104
Capacity, gals.	2	3	4
W't each, lbs..	25	25	30
Each	$12.00	14.00	16.00
	JGBJ	JHDJ	JIIJ
Nos.	2105		2106
Capacity, gals.	5		6
W't each, lbs.	30		35
Each	$18.00		20.00
	AAAJ		ABCJ
Nos.	2108		2110
Capacity, gals.	8		10
W't each, lbs.	40		50
Each	$22.00		24.00
	ACEJ		ADGJ

Have no inside reservoir, but furnished with a cotton bag to strain, and hold the coffee grounds.

ONE IN A CASE.

COFFEE URNS.



Polished Nickel Plated Heavy Copper Outer Water Jacket and Ornamental Base, Handsomely Finished, Suspended Vitrified Stone, Center Draining, Coffee Reservoir, Absolutely Clean, with Handsome Large Clean-Out Lever Faucets, Screw Clamp Hot Water and Coffee Gauges, Thermometer and Cloth Sack.

Nos.	2003	2004	2005
Capacity, gals.	3	4	5
W't each, lbs.	70	75	80
Each	$40.00	45.00	50.00
	BDCJ	BGCJ	BIDJ
Nos.	2006	2008	2010
Capacity, gals.	6	8	10
W't each, lbs.	85	95	105
Each	$55.00	60.00	65.00
	CCFJ	CFFJ	CIFJ
Nos.	2012	2015	2020
Capacity, gals.	12	15	20
W't each, lbs..	115	125	145
Each	$70.00★	77.50★	90.00★
	DAGJ	DEFJ	EBEJ

Provided with steam coil pipes between the walls, for heating the water, when so ordered.



Nos.	3002	3003	3005
Capacity, gals.	2	3	5
W't each, lbs..	100	120	150
Each	$90.00★	97.50★	112.50★
	EDJJ	EGJJ	JFFJJ

Same quality and equipment as Nos. 2003 to 2020 Series, but has twin vitrified stone reservoirs, instead of one, in one water jacket.

Can be used one for coffee and one for chocolate, both coffee or one alone if water is kept in the other.

ONE IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

COFFEE URN DRIPS.



No. 100—Nickel plated copper, height 2 in., diam. 6 in. ....each JIE $1.75

LIGHTNING COFFEE URN HEATERS.

For Gasoline Only.



No. 91—1 qt., tank 2½x6 in., full nickel elbow to burner w't 2 lbs...each AFJ $2.25

No. 92—2 qt., tank 3½x12 in., full nickel elbow to burner, w't 3 lbs...each BFE $4.25

This burner is furnished with plate and four bolts to attach to urn.

No. 991—Burners only for No. 91 Urn Heater .....each JIE $1.60

No. 992—Burners only for No. 92 Urn Heater .....each ADJ $3.20

HOTEL SOLID LADLES.



Retinned, Flat Handle.

Nos.	100	200
Size, in.	5⅛x2½	6x2¼
W't per doz., lbs.	16½	17½
Per dozen	$5.50	7.00
	BEE	CAJ

HOTEL PIERCED LADLES.



Retinned, Flat Handle.

Nos.	101	201
Size, in.	5⅛x2½	6x2¼
W't per doz., lbs.	14	16
Per dozen	$6.25	7.75
	BHJ	CEJ

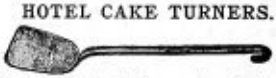
HOTEL FLAT SKIMMERS.



Retinned.

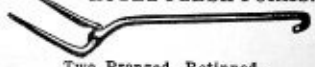
Nos.	150	180
Diameter, in.	6½	7¾
W't per doz., lbs.	14	20
Per dozen	$5.50	6.75
	BFJ	CJE

HOTEL CAKE TURNERS.



No. 160—Steel blade, retinned, length 20 in., w't per doz. 12½ lbs., per dozen .....BCE $5.50

HOTEL FLESH FORKS.



Two Pronged, Retinned.

Nos.	200	240
Length, in.	21½	24
W't per doz., lbs.	14	15
Per dozen	$7.00	9.00
	DBJ	DHJ

WROUGHT STEEL HOTEL WARE.

HOTEL SAUCE PANS.



Shallow, Seamless, Retinned.

Nos.	45	48
Capacity, qts.	2	3
Size, in.	7x2¼	8⅛x3⅛
W't per doz., lbs.	33	40
Per dozen	$21.00	25.00
	JHDJ	AJBJ

Nos.	50	55
Capacity, qts.	4½	6¼
Size, in.	9¼x3½	11⅜x3¾
W't per doz., lbs.	55	72
Per dozen	$33.00	42.00
	ACHJ	AHJJ



Medium, Seamless, Retinned.

Nos.	145	148	150
Capacity, qts.	3	4½	7½
Size, in.	7x4⅞	8⅛x5⅛	9¾x5½
W't, doz., lbs.	41	44	66
Per dozen	$25.00	33.50	42.00
	AJBJ	ABFJ	AEIJ

Nos.	155	165
Capacity, qts.	10¾	17
Size, in.	11¾x6	13¾x7⅛
W't per doz., lbs.	84	144
Per dozen	$50.50	67.00
	BJDJ	BFDJ



Deep, Seamless, Retinned.

Nos.	248	250	255
Capacity, qts.	5½	9	15½
Size, in.	8⅛x6¼	9¾x6⅜	11¾x8
W't, doz., lbs.	54	84	114
Per dozen	$42.00	50.50	60.00
	AECJ	AHIJ	BBHJ

Nos.	265	275	285
Capacity, qts.	21½	26	36
Size, in.	13¼x8⅞	14x9⅝	16x10½
W't, doz., lbs.	168	186	198
Per dozen	$75.50	92.50	117.50
	CJJJ	CGHJ	DEFJ

HOTEL COVERS.



Retinned.

Nos.	335	340	345
Diam., in.	5	6	7
W't, doz., lbs.	4	6	10
Per dozen	$5.00	5.50	7.00
	BAJ	BDJ	CJJ

Nos.	348	350	355
Diam., in.	8½	9¼	11½
W't, doz., lbs.	13	18	24
Per dozen	$8.50	11.25	14.00
	CFJ	DHJ	FFJ

Nos.	365	375	385
Diam., in.	13½	14	16
W't, doz., lbs.	30	40	44
Per dozen	$17.00	19.50	22.50
	JGHJ	JIFJ	AJHJ

HOTEL CULLENDERS.



Seamless, Retinned.

Nos.	110	114
Size, in.	13¾x4½	16½x5½
W't per doz., lbs.	34	46
Per dozen	$19.50	25.25
	JHBJ	AJBJ

Nos.	217	321
Size, in.	17¾x6	19½x7⅛
W't per doz., lbs.	58	61
Per dozen	$30.75	36.50
	ABFJ	AEAJ

HOTEL CHINESE STRAINERS.



Extra Strong, Retinned.

Nos.	60	70	75
Diam., in.	6	7	7½
W't, doz., lbs.	19	23½	24½
Per dozen	$28.00	33.50	42.00
	AIFJ	AJEJ	AADJ

Nos.	80	90
Diam., in.	8	9
W't per doz., lbs.	34	41
Per dozen	$50.50	59.00
	ABIJ	AEFJ

HOTEL BEATING BOWLS.



Extra Strong, Retinned.

Nos.	14	17	21
Capacity, qts.	14	17	21
Size, in.	14⅞x7¼	16⅛x7½	18½x7¾
W't, doz., lbs.	44	54	61
Per dozen	$22.50	28.00	33.50
	JHDJ	AJHJ	ADDJ

HOTEL SOUP STOCK POTS.



Covered, Seamless, Retinned.

Nos.	12	18
Capacity, gals.	3½	4¾
Size, in.	10½x10¼	11¼x11⅝
W't each, lbs.	9½	14
Per dozen	$50.50	60.00
	AGGJ	BBHJ

Nos.	24	36
Capacity, gals.	6	9
Size, in.	13x11¾	15x14
W't each, lbs.	19	22½
Per dozen	$75.50	92.50
	CJJJ	CGHJ

Nos.	48	60	72
Capacity, gals.	14	20	25
Size, in.	17x15¾	19x17	21x18¾
W't each, lbs.	40	45	50
Per dozen	$200.00	250.00	300.00
	JIJJJ	AADCJ	ADJDJ

ONE IN A CRATE.



Covered, Seamless, Retinned, with Strainer and 1 Inch Brass Faucet.

Nos.	112	118
Capacity, gals.	3¼	4¾
Size, in.	10½x10¼	11¼x11⅝
W't each, lbs.	13½	15½
Per dozen	$109.00	118.00
	JDEFJ	JEBHJ

Nos.	124	136
Capacity, gals.	6	9
Size, in.	13x11¾	15x14
W't each, lbs.	23	25
Per dozen	$135.00	151.00
	JFABJ	JFHDJ

Nos.	148	160	172
Capacity, gals.	14	20	25
Size, in.	17x15¾	19x17	21x18¾
W't each, lbs.	40	45	50
Per dozen	$250.00	300.00	350.00
	AADCJ	ADJDJ	AFEFJ

HOTEL SPONGE OR EGG KETTLES.



Seamless, Retinned.

Nos.	8½	9
Capacity, qts.	10	12
W't per doz., lbs.	36	40
Per dozen	$19.50	22.50
	JGHJ	JIFJ

Nos.	10	11
Capacity, qts.	16	24
W't per doz., lbs.	51	58
Per dozen	$25.25	28.00
	AJIJ	ABJJ

Hotel Trays, page 859; Hotel Whips, page 904A; Hotel Scoops, page 848.

STAMPED TINWARE.

LIPPED SAUCE PANS.



Plain.

Nos.	012	014	016
Size, in.	5½x2¾	6½x2¾	7¾x3¼
W't doz., lbs.	3½	4½	6
Per dozen	$0.95	1.10	1.20
	JEE	JFE	JGJ
Nos.	018	020	
Size, in.	7¾x3½	8x3¾	
W't per doz., lbs.	6½	7	
Per dozen	$1.30	1.50	
	JGE	JIJ	
Nos.	022	026	
Size, in.	9x4	10¼x4¼	
W't per doz., lbs.	8	12½	
Per dozen	$1.70	2.20	
	AJJ	ACJ	

STRAIGHT SAUCE PANS.



Extra Heavy Steel.

Nos.	16	18	20
Size, in.	6¾x3½	7⅝x3⅞	8⅝x4½
W't doz., lbs.	11	15	17
Per dozen	$5.50	6.70	7.50
	CDJ	DAE	DHJ
Nos.	22	24	
Size, in.	9¼x4¼	10x5	
W't per doz., lbs.	24	29	
Per dozen	$9.50	10.00	
	EEJ	JGAJ	
Nos.	26	28	
Size, in.	10¾x5	11⅛x5¼	
W't per doz., lbs.	30	41	
Per dozen	$12.50	14.50	
	JHAJ	JICJ	

ONE-HALF DOZEN IN A PACKAGE.

LIPPED PRESERVING KETTLES.



Plain.

Nos.	221	241
Size, in.	9¼x4	9¾x4½
W't per doz., lbs.	8	9½
Per dozen	$1.30	1.90
	AJJ	AAE
Nos.	261	281
Size, in.	10¾x4½	11¼x4¾
W't per doz., lbs.	10½	12½
Per dozen	$2.20	2.70
	ACJ	AFJ

ONE-HALF DOZEN IN A PACKAGE.

MILK PANS.



IC. Plain.

Size	¼	½
Dimensions, in.	5¼x3¼	6¼x3⅝
W't per doz., lbs.	1¼	1½
Per dozen	$0.28	0.32
	AE	BJ
Size	01	02
Dimensions, in.	6⅞x3¼	8½x2
W't per doz., lbs.	2½	3
Per dozen	$0.42	0.58
	BE	CE
Size	03	04
Dimensions, in.	9¼x2⅞	10⅝x2¼
W't per doz., lbs.	4	5
Per dozen	$0.68	0.82
	DJ	EJ
Size	06	08
Dimensions, in.	12⅜x2½	13½x2¾
W't per doz., lbs.	6¼	7½
Per dozen	$1.05	1.25
	JFE	JGE
Size	010	012
Dimensions, in.	14½x2¾	15x3⅛
W't per doz., lbs.	8½	9
Per dozen	$1.40	1.70
	JHE	AAE

IC. Retinned.

Size	1	2	3
Dimen's, in.	6¾x1¾	8½x2	9¼x2⅛
W't doz., lbs.	2¼	3¼	4
Per dozen	$0.90	1.15	1.25
	EE	JGJ	JHJ
Size, in.	4	6	8
Dimen's, in.	10⅝x2¼	12⅜x2½	13½x2¾
W't doz., lbs.	5½	7	8
Per dozen	$1.70	1.95	2.50
	AAE	ABE	AEJ
Size	10	12	
Dimensions, in.	14½x2¼	15⅝x3⅛	
W't per doz., lbs.	9	10	
Per dozen	$3.00	3.50	
	AHJ	BAJ	

IX, Retinned.

Size.	6	8
Dimensions, in.	12⅜x2½	13½x2¼
W't per doz., lbs.	9	11
Per dozen	$2.60	2.90
	AEE	AGE
Size	10	12
Dimensions, in.	14⅝x2¾	15x3¼
W't per doz., lbs.	12	14
Per dozen	$2.40	4.00
	BJE	BDJ

ONE DOZEN IN A PACKAGE.



XXXX, Triple Block Tin, Coated.

Size	6	8
Dimensions, in.	12⅝x2½	13½x3
W't per doz., lbs.	14	16½
Per dozen	$4.30	5.30
	BIE	CCJ
Size	10	12
Dimensions, in.	14⅝x3	15⅛x3½
W't per doz., lbs.	18	20
Per dozen	$6.00	6.70
	CFJ	CIJ

PUDDING PANS.



IC. Plain.

Size	10	02	03
Dimen's, in.	7x2⅛	8½x2¾	9¾x3
W't doz., lbs.	2½	4	4½
Per doz.	$0.52	0.63	0.80
	CJ	DJ	DE
Size	04	05	06
Dimen's, in.	10¼x3	10¾x3⅛	11⅝x3½
W't doz., lbs.	5	6	6½
Per doz.	$0.90	1.10	1.20
	EE	JFE	JGJ
Size	08	010	
Dimensions, in.	12¾x3¼	13x4	
W't per doz., lbs.	7½	8½	
Per dozen	$1.45	1.90	
	JHE	AAE	

IC. Retinned.

Size	1	2	3
Dimen's, in.	7x2⅛	8½x2¾	9¼x3
W't doz., lbs.	3	4	5
Per doz.	$1.15	1.25	1.60
	JFE	JHE	JIE
Size	4	5	6
Dimen's, in.	10¼x3	10¾x3⅛	11⅝x3½
W't doz., lbs.	5¼	6	8
Per doz.	$1.80	2.10	2.30
	AAE	ABE	ADE
Size	8	10	
Dimensions, in.	12⅜x3¾	13x4	
W't per doz., lbs.	8	9	
Per doz.	$3.00	3.50	
	AHE	BAJ	

ONE DOZEN IN A PACKAGE.



XXXX, Triple Block Tin Coated.

Size	2	4	6
Dimen's, in.	9x3⅛	10⅝x3⅜	12½x4
W't doz., lbs.	10	13	18
Per doz.	$3.30	4.30	5.20
	BJE	BGJ	CCJ
Size	8	10	
Dimensions, in.	13x4¼	14½x4½	
W't per doz., lbs.	20	26	
Per doz.	$5.70	6.40	
	CFJ	CIJ	

EGG POACHERS.



No. 00—Buffalo, 3 pans, **plain** tin, 9 in. diameter, w't per doz. 12 lbs., per dozen ..... BGJ $4.50

No. 01—Buffalo, 5 pans, **plain** tin, 10 in. diameter, w't per doz. 15 lbs., per dozen ..... DCE $7.25

No. 2—Buffalo, 5 pans, **Retinned**, 10 in. in diameter, w't per doz. 15 lbs., per dozen ..... EHJ $9.50

ONE DOZEN IN A CARTON.

STAMPED TINWARE.

Stamped Tinware, though not sold under guarantee, is as fully anti-rust quality as any stamped ware so called; and merchants, if they charge accordingly, can safely make any guarantee they see fit, as tinware will give satisfaction with any reasonable usage, excepting exposure to alkali water.

BREAD RAISERS.



XXXX Triple Block Tin Coated, Ventilating Cover.

—Size..	14	17	21
Diameter, in..	17	18¾	20¾
W't doz., lbs...	58	66	80
Per dozen	$21.50	24.00	27.00
	ACHJ	ADDJ	AGGE

IX, Plain, Ventilating Cover.

Size	010	014	017
Diameter, in..	14½	16	17¾
W't doz., lbs..	26	33	39
Per dozen ...	$6.00	7.00	8.00
	CGJ	DAE	DHJ

IX, Retinned, Ventilating Cover.

Size	110	114
Diameter, in.....	14½	16
W't per doz., lbs.....	29	35
Per dozen	$9.00	10.50
	EAJ	JFJJ

ONE DOZEN IN A CRATE.

Size	117	121
Diameter, in.....	17¼	19½
W't per doz., lbs.....	40	46
Per dozen	$12.50	15.00
	JGBI	JIJJ

ONE-HALF DOZEN IN A CRATE.

RETINNED COVERS FOR BREAD RAISERS.

Nos.	110	114	117	121
Diam., in...	14½	16	17¾	19½
W't dz., lbs..	29	35	40	46
Per dozen ..	$3.60	4.40	4.90	5.40
	BBJ	BGJ	CJJ	CBE

ONE-HALF DOZEN IN A PACKAGE.

RINSING PANS.



IC, Plain.

Size	08	010
Dimensions, in.....	14x3½	14¼x3¼
W't per doz., lbs.....	10	10½
Per dozen	$1.75	2.00
	AAJ	ADJ

Size	014	017
Dimensions, in.....	16¼x4⅝	17⅛x4¾
W't per doz., lbs.....	14	18
Per dozen	$2.40	3.80
	AEJ	AIJ

ONE-HALF DOZEN IN A PACKAGE.

DISH PANS.



XXXX Triple Block Tin Coated.

—Size..	10	14	17
Dimen., in....	15x4½	16½x4¼	18x5¼
W't, doz., lbs..	32	38	45
Per dozen	$9.50	11.50	13.00
	FCJ	JHAJ	JIJJ

—Size.....	21	30
Dimensions, in.	19¼x5½	21x5½
W't per doz., lbs.	52	62
Per dozen	$15.00	22.00
	AJBJ	ADDJ

ONE-QUARTER DOZEN IN A PACKAGE.

IX, Plain.

Size	P10	P14
Dimensions, in.....	14¾x4½	16½x5
W't per doz., lbs.	17	20
Per dozen	$3.00	3.60
	AHE	BAE

Size	P17	P21
Dimensions, in.....	18x5¼	19½x5½
W't per doz., lbs.....	23	31
Per dozen	$4.10	5.20
	BEJ	BGE

IX, Retinned.

Size	10	14
Dimensions, in.....	14¾x4½	16½x5
W't per doz., lbs.....	17½	20½
Per dozen	$4.40	5.30
	BGF	CBJ

Size	17	21
Dimensions, in.....	18x5¼	19½x5½
W't per doz., lbs.....	24	32
Per dozen	$6.30	7.20
	DAJ	DFJ

XX, Medium, Retinned.

Size	214	217	221
Dimen's, in...	16½x5	18x5¼	19½x5½
W't doz., lbs..	24	27	28½
Per dozen	$6.30	7.50	8.50
	DAE	DHJ	EEJ

ONE-HALF DOZEN IN A PACKAGE.

XXX, Heavy, Retinned.

Size 30—22x6 in., w't per doz. 43 lbs. per dozen.....JIJJ $15.50

XXXX, Extra Heavy, Retinned.

Size 40—24½x6½ in., w't per doz., 64 lbs. .....per dozen ABFJ $21.50

ONE-QUARTER DOZEN IN A PACKAGE.

WASH BOWLS.



XXX Triple Block Tin Coated.

—Nos...	31	32	33
Diameter, in..	11½	12½	13
W't, doz., lbs..	11½	14	15
Per dozen	$4.00	4.60	5.80
	BDJ	CJJ	CFJ

IC, Plain.

Nos.	06	07
Diameter, in.	10	11½
W't per doz., lbs.	4	5
Per dozen	$0.70	.90
	DJ	EE

Nos.	07½	08
Diameter, in.....	12¼	13
W't per doz., lbs.....	6	6¾
Per dozen	$1.05	1.15
	JFE	JGJ

IC, Retinned.

Nos.	7	7½	8
Diameter, in.	11½	12¼	12¾
W't per doz., lbs....	5½	6½	7
Per dozen.....	$1.60	1.90	2.10
	AJJ	ABJ	ACJ

IX, Retinned.

Nos.	14	15	16
Diameter, in.	11½	12¼	13
W't per doz., lbs....	7½	8½	9
Per dozen	$2.20	2.60	2.90
	ACE	AFJ	AGE

ONE DOZEN IN A PACKAGE.

Galvanized Iron.

Nos, ...	17	17½	18
Diameter, in.....	11½	12¼	13
W't per doz., lbs....	7	8	9
Per dozen.....	$1.50	1.80	2.00
	ABJ	ACJ	ADE

ONE DOZEN IN A PACKAGE.

OVAL DISH PANS.



IX, Retinned.

Size	15	18
Dimensions, in.	18½x4½	20¼x4¾
W't per doz., lbs.	18	25
Per dozen	$7.50	9.00
	DBJ	EGJ

ONE-QUARTER DOZEN IN A PACKAGE.

STAMPED TINWARE.

CAKE PANS.



Plain Scalloped.

Nos., with Tube	84	104
Diameter, in.	8	10
W't per doz., lbs.	3½	4½
Per dozen	$0.75	1.00
	EE	JGJ



Turban, Retinned, with Tube.

Nos.	870	880
Size, in.	9¼x3	10x3½
W't per doz., lbs.	6	7
Per dozen	$2.10	2.35
	ABJ	ADJ



Deep, Round, Retinned, with Tube.

Nos.	42	43	44
Size, in.	8½x3	9x3¼	10¼x3½
W't per doz., lbs.	4½	5½	6
Per dozen	$1.70	2.00	2.40
	AJJ	AAE	ADE

Nos.	45	46
Size, in.	11x3½	11½x3½
W't per doz., lbs.	7½	8
Per dozen	$2.70	3.10
	AEJ	AGE



Deep, Octagon, Retinned, with Tube.

Nos.	72	73
Size, in.	8½x3	9¼x3
W't per doz., lbs.	5¾	6½
Per dozen	$1.85	2.20
	AAJ	ACJ

Nos.	74	75
Size, in.	10x3½	10½x3¾
W't per doz., lbs.	7	8
Per dozen	$2.50	3.10
	AEJ	AHE

TURKS MOULDS OR GERMAN FORM CAKE PANS.



Retinned, with Tube.

Nos.	61	61½	62
Size, in.	7x3½	8x3½	9x4
W't per doz., lbs.	5	5½	6½
Per dozen	$2.10	2.40	2.60
	ABE	ADE	AEE

ONE DOZEN IN A PACKAGE.

MUFFIN AND TEA BISCUIT PANS.



Muffin, Plain, Cups 3¼x1 Inch.

Nos.	6	8	12
Size, in.	11x7½	14½x7½	14½x11
Cups	6	8	12
W't per doz., lbs.	4	5½	9
Per dozen	$1.30	1.60	2.40
	JGE	JIE	ADE

ONE-HALF DOZEN IN A PACKAGE.

Muffin, Retinned, Cups 3¼x1 Inch.

Nos.	6½	8½	12½
Size, in.	11x7½	14½x7½	14½x11
Cups	6	8	12
W't per doz., lbs.	5	7	9
Per dozen	$2.30	2.70	4.00
	AEJ	AHE	BDJ

ONE-HALF DOZEN IN A PACKAGE.

Tea Biscuit, Plain, Solid Frame, Cups 2½x1⅛ Inch Deep.

Nos.	60	80	124
Cups	6	8	12
Frame, in.	8x5½	10½x5½	10½x8
W't per doz., lbs.	3	5	8
Per dozen	$1.40	1.80	2.50
	JHE	AAJ	AEJ

ONE-HALF DOZEN IN A PACKAGE.

DEEP MUFFIN OR CORN CAKE PANS.



No. 06.

Plain, Cups 3¼x1½ Inch.

Nos.	06	08	012
Size, in.	11x7½	14½x7½	14½x11
Cups	6	8	12
W't per doz., lbs.	5	7	10½
Per dozen	$1.60	2.00	3.00
	JIE	AAE	AGE

ONE-HALF DOZEN IN A PACKAGE.

COOKY OR TURKSHEADS PANS.



No. 106.

Plain, Cups 3¼x⅞ Inch.

Nos.	106	108	112
Size, in.	11x7½	14½x7½	14½x11
Cups	6	8	12
W't per doz., lbs.	5	8	10
Per dozen	$1.50	1.80	2.50
	JHE	AAJ	AFJ

ONE-HALF DOZEN IN A PACKAGE.

LOOSE BEADED BOTTOM TINS.



Round J. C. Pans.

Nos.	95	96	105	106
Size, in.	9x1	9x1⅛	10x1	10x1⅛
W't, doz., lbs.	4	5	4½	5½
Per dozen	$1.30	1.45	1.45	1.55
	JGE	JHE	JHE	JIJ

ONE DOZEN IN A PACKAGE.



Nos. 101 to 103.



Nos. 211 to 213.

Square J. C. Pans.

Nos.	101	102	103
Size, in.	8x8	9x9	10x10
Depth, in.	1	1	1
W't per doz., lbs.	3½	4½	5
Per dozen	$1.35	1.55	1.80
	JHJ	JIJ	AAJ

Nos.	211	212	213
Size ,in.	8x8	9x9	10x10
Depth, in.	2	2	2
W't per doz., lbs.	4	5½	6
Per dozen	$1.70	2.00	2.25
	AJJ	AAJ	ACJ

No. 190—Extra deep, 9x9x2⅜ in., per dozen ..... AFJ $2.75



Cake, Round, with Tube.

No. 233—9¼x2¼ in., w't per doz. 6 lbs., per dozen ..... AAE $2.00
No. 244—10¼x3¼ in., w't per doz. 7 lbs., per dozen ..... AEJ $2.50

ONE-HALF DOZEN IN A PACKAGE.

Cake, Round, Without Tube.

No. 133—9¼x2¼ in., w't per doz. 5 lbs., per dozen ..... AJJ $1.75
No. 144—10¼x3¼ in., w't per doz. 6 lbs., per dozen ..... AAE $2.00

ONE DOZEN IN A PACKAGE.



Cake, Oblong.

No. 220—10x6x2 in., w't per doz. 8 lbs., per dozen ..... AAE $2.00

ONE DOZEN IN A PACKAGE.



Angel Cake, Square.

No. 290—9x9x2½ in., without tube, w't per doz. 7 lbs., per dozen BJJ $3.50
No. 390—9x9x2½ in., with tube, w't per doz. 7½ lbs.....per dozen BDJ $4.00

ONE-HALF DOZEN IN A PACKAGE.

The above loose bottom pans have a bead around edge of bottom which prevents warping.

STAMPED TINWARE.

JELLY CAKE PANS.



SHALLOW, IC, Plain, ½ Inch Deep.

Diameter, in.	9	10
Per dozen	$0.46	.54
	BG	CB

DEEP, IC, Plain, 1 Inch Deep.

Diameter, in.	9	10	11
Per dozen	$0.54	.64	1.25
	CB	CH	JHE

MOUNTAIN, IC, Plain, 1⅛ In. Deep.

Diameter, in.	9	10
Per dozen	$0.64	.72
	CF	DC

ONE DOZEN IN A PACKAGE.



E-Z-OUT JC Pans, 1 Inch Deep.

Diameter, in.	9	10
Per dozen	$0.95	1.10
	EJ	JEE

MOUNTAIN, 1⅛ Inch Deep.

Diameter, in.	9	10
Per dozen	$1.15	1.25
	JEJ	JFJ

ONE DOZEN IN A PACKAGE.

PIE PLATES.



Common. Deep.

COMMON, IC, Plain.

Diameter, in.	6	7	8
Per dozen	$0.24	.32	.38
	AD	AI	BC
Diameter, in.	9	10	
Per dozen	$0.42	.54	
	BE	CB	

DEEP, IC, Plain.

Diameter, in.	9	10	11
Per dozen	$0.48	.60	.80
	CJ	CE	EJ

XX Tin.

Diameter, in.	9	10
Per dozen	$1.50	1.75
	JGJ	JHE

XX Tin.

Deep....	Ex. Deep.	
Diameter, in.	8	9	10
Per dozen	$1.60	1.75	2.50
	JHJ	JIJ	AAE

ONE DOZEN IN a PACKAGE.



Scalloped. Perforated.

IC, Plain.

Scalloped, diameter 9 in., per dozen ..... CJ $0.48

Perforated, diameter 9 in., per dozen ..... DJ $0.65

ONE DOZEN IN A PACKAGE.

Jelly cake pans and common pie tins, 8 to 10 in., vary 25 to 38 lbs. per gro., according to size.

pie plates, 55 to 78 lbs. per gro.

PIE PLATES.



E-Z-OUT, IC, Plain.

Shallow.

Diameter, in.	9	10
Per dozen	$0.95	1.10
	DE	JEJ

Deep.

Diameter, in.	9	10
Per dozen	$1.00	1.15
	JEJ	JEE

ONE DOZEN IN A PACKAGE.

CHILD'S PLATES.



8 in., Cock Robin, w't per doz. 2 lbs., per dozen ..... CE $0.56

PATTY PANS.



Plain. Scalloped.

Plain.

Diameter, in.	3	3½	4
W't per gro., lbs.	4	5	6
Per gross	$1.30	1.70	2.30
	JHJ	JIE	AAE

Scalloped.

Diameter, in.	3	3½	4
W't per gro., lbs.	4	5	6½
Per gross	$1.30	1.70	2.30
	JHJ	JIE	AAE



Heart. Star. Shell.

Heart—3 in., w't per gro. 3½ lbs., per gross ..... AJE $1.75

Star—3½ in., w't per gro. 4 lbs., per gross ..... AJE $1.75

Shell—3 in., w't per gro. 3½ lbs., per gross ..... AJE $1.75

ONE-HALF GROSS IN A PACKAGE.



No. 700—Assorted, 6 patterns, two dozen in a box, 5x9 in., w't per gro. 5 lbs., per gross ..... JIJ $2.00



No. 210—Assorted, one dozen on a 9x12 in. card, per dozen cards ..... JGBJ $14.50

JELLY MOULDS.



No. 200. No. 202. No. 204.

Individual.

No. 200—2¼ in., round, per dozen ..... JHJ $1.40

No. 202—2½ in., hexagon, per dozen ..... ADE 2.30

No. 204—2½ in., fluted, per dozen ..... JHJ 1.40



No. 206. No. 208.

Individual.

No. 206—2½ in.....per dozen JHJ $1.40

No. 208—2½ in.....per dozen JHJ 1.40



No. 104. No. 112.

No. 104—5 in., w't per doz. 2½ lbs., per dozen ..... BDJ $5.70

No. 112—6½ in., w't per doz. 6 lbs., per dozen ..... ADJ $2.50



Oval Melon.

Nos.	30	40	50
Capacity, pts.	2	2¾	3
Size, in.	6¼x5	7¼x5½	7¾x6
W't, doz., lbs.	6½	7½	8¼
Per dozen	$8.00	9.00	10.00
	DEJ	EAJ	JEDJ

Nos.	55	60
Capacity, pts.	3½	4
Size, in.	8x6	8¼x6¼
W't per doz., lbs.	9½	10
Per dozen	$10.50	11.50
	JEIJ	JFBE

ICE CREAM BRICK MOULDS.



Heavy Tin, Loose Top and Bottom.

Capacity, pts.	1	2
W't per doz., lbs.	9	12
Per dozen	$5.00	5.75
	BIE	CDE

STAMPED TINWARE.

DRINKING CUPS.



IC, Plain, Riveted Handle.

Nos.	08	09	010
Pints	½	¾	1
Size	4x1¾	4¼x1⅞	4⅜x2⅛
W't doz., lbs.	1	1	1¼
Per dozen	$0.50	0.55	0.60
	CJ	CE	CE

Retinned, Riveted Handle.

Nos.	8	9	10
Pints	½	¾	1
Size	4x1¾	4¼x1⅞	4⅜x2
W't doz., lbs.	1	1¼	1½
Per dozen	$0.70	0.75	0.85
	DE	DE	EJ

ONE-HALF DOZEN IN A PACKAGE.

MINERS' OR CALIFORNIA CUPS.



1 Pt., Size 4⅝x2⅛ in.

No. 02—Plain, w't per doz. 1¼ lbs., per dozen .....CE $0.60

No. 2—Retinned, w't per doz. 1½ lbs., per dozen.....EJ $0.80

ONE-HALF DOZEN IN A PACKAGE.

STRAIGHT CUPS.



No. 023—1 pt., plain, 4x2½ in., w't per doz. 2 lbs.....per dozen **DJ** $0.75

Retinned, Seamless.

Nos.	23	26	28
Pints	1	2	4
Size, in.	4x2½	5⅛x3½	6x4
W't doz., lbs.	2	4	5½
Per dozen	$1.00	2.30	3.10
	JGJ	ACJ	AGE

ONE DOZEN IN A PACKAGE.

DIPPER BOWLS.



IC, Plain.

Nos.	2	4
Pints	1	2
Size, in.	4¼x2	5¾x2¼
W't per doz., lbs.	1½	2
Per dozen	$0.55	0.80
	CE	DJ

ONE DOZEN IN A PACKAGE.

WATER DIPPERS.



IC, Plain.

Nos.	25	45	55
Pints	1	2	4
Size, in.	4½x2	5⅜x2¼	5¾x2½
W't doz., lbs.	2	2½	3½
Per dozen	$0.80	1.00	1.10
	DJ	JEJ	JFJ

IC, Retinned.

Nos.	28	48	58
Pints	1	2	4
Size, in.	4½x2	5⅛x2¼	5¾x2½
W't doz., lbs.	2½	3	3½
Per dozen	$1.05	1.30	1.50
	JFE	JHJ	JIJ

ONE-HALF DOZEN IN A PACKAGE.

CUP DIPPERS.



Flat Handle, Retinned.

Nos.	09	010	011
Pints	¾	1	1¼
Size, in.	3⅞x2¼	4⅛x2⅜	4⅜x2⅝
W't doz., lbs.	3	3½	4
Per dozen	$1.05	1.25	1.45
	JGJ	JHJ	JIJ

ONE DOZEN IN A PACKAGE.



No. 21—¾ pt., 3⅞x2¼ in., retinned, steel shank, enameled wood handle, w't per doz. 2½ lbs., per dozen.....JHJ $1.25

ONE-HALF DOZEN IN A PACKAGE.

FAMILY DIPPERS.



Heavy, Retinned, Riveted Handle.

Nos.	41	42	43
Pints	2	4	6
Size, in.	5x2¼	5⅜x3	6x3½
W't doz., lbs.	4	5	6
Per dozen	$1.75	2.00	2.50
	JIE	AAE	AEJ

ONE-HALF DOZEN IN A PACKAGE.

LAUNDRY DIPPERS.



No. 020—3 qt., retinned, 8½ x3½ in., heavy, 6 in. handle, w't per doz. 8 lbs. .....per dozen **AHJ** $3.30

ONE-HALF DOZEN IN A PACKAGE.

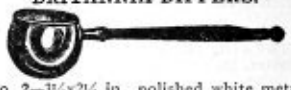
COCOA SHAPED DIPPERS.



No. 151—¾ pt., 4½x2¼ in., retinned, riveted steel shank, enameled wood handle, w't per doz. 3 lbs., per dozen .....JEE $1.00

ONE-HALF DOZEN IN A PACKAGE.

BRITANNIA DIPPERS.



No. 2—3½x2½ in., polished white metal, cocobola handle, w't per doz. 5 lbs., per dozen .....CFJ $6.00

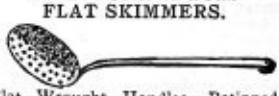
ONE-HALF DOZEN IN A BOX.



No. 1—4x2¼ in., polished white metal, cocobolo handle, w't per doz. 6 lbs., per dozen.....CGH $6.25

ONE-HALF DOZEN IN A BOX.

FLAT SKIMMERS.



Flat Wrought Handles, Retinned, Pierced.

Nos.	16	17	18	19
Diam., in.	4½	4¼	5	5½
W't dz., lbs.	2½	2⅞	3	3½
Per dozen	$1.05	1.15	1.25	1.35
	JEE	JFE	JGJ	JGE

ONE DOZEN IN A PACKAGE.



No. 30—5½ in., wood handle, pierced, w't per doz. 4 lbs., per dozen.....JIE $3.00

ONE DOZEN IN A PACKAGE.

MILK SKIMMERS.



6 in., Retinned.

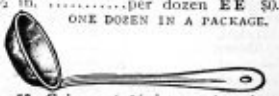
No. 40—Solid, ...per dozen **BJ** $0.35
No. 45—Pierced .....per dozen **BJ** .40

THREE DOZEN IN A PACKAGE.



No. 65—Retinned, pierced, with handle, 4½ in. .....per dozen **EE** $0.90

ONE DOZEN IN A PACKAGE.

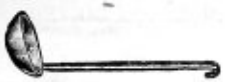


No. 50—Cairns, 4x7¼ in., retinned, w't per doz. 2¼ lbs., per dozen **JFE** $1.00

ONE-HALF DOZEN IN A PACKAGE.

STAMPED TINWARE.

SOLID LADLES.



Retinned.

Nos.	9	10	11	12
Diam., in.	3¼	4	4¼	4½
W't dz., lbs.	3½	3¾	4	4½
Per dozen	$1.15	1.25	1.35	1.45
	JEE	JFE	JGJ	JGJ

ONE DOZEN IN A PACKAGE.

PIERCED LADLES.



Retinned.

Nos.	09	010	011	012
Diam., in.	3¼	4	4¼	4½
W't dz., lbs.	3	3¼	3½	4
Per dozen	$1.20	1.30	1.40	1.50
	JFE	JGJ	JHJ	JHJ

ONE DOZEN IN A PACKAGE.

HOTEL SOLID LADLES.



Retinned, Flat Handle.

Nos.	100	200
Size, in.	5⅛x2½	6x2¾
W't per doz., lbs.	16½	17½
Per dozen	$5.50	7.00
	BDJ	CJJ

HOTEL PIERCED LADLES.



Retinned, Flat Handle.

Nos.	101	201
Size, in.	5⅛x2½	6x2¾
W't per doz., lbs.	14	16
Per dozen	$6.25	7.75
	BHJ	CCE

SOUP LADLES.



Retinned, Threaded Handle.

No.	38	39
Size, in.	3¾	4
W't per doz., lbs.	1½	2½
Per dozen	$0.90	1.00
	EE	JFJ

ONE DOZEN IN A PACKAGE.



Retinned, Enameled Wood Handle with Steel Shank.

No.	29	30
Size, in.	3¾	4
W't per doz., lbs.	2¾	2¾
Per dozen	$1.05	1.20
	JFJ	JFE

ONE DOZEN IN A PACKAGE.

CREAM LADLES.



No. 7—1¼x1 in., retinned, w't per doz. ½ lb. ..... per dozen **BE** $0.60

ONE DOZEN IN A PACKAGE.

PUMP LADLES.



No. 110—4½ in., retinned, w't per doz. 2¼ lbs. ..... per dozen **JHE** $1.10

ONE DOZEN IN A PACKAGE.

OYSTER LADLES.



No. 50—3x1 in., retinned, w't per doz. 1 lb. ..... per dozen **EJ** $0.80

ONE DOZEN IN A PACKAGE.

SPICE SCOOPS.



No. 60—5x3¼ in., retinned, loop handle, w't per doz. 1½ lbs., per dozen ..... **EJ** $0.90

ONE DOZEN IN A PACKAGE.

FAMILY SCOOPS.



No. 34—5x3½ in., retinned, flat handle, w't per doz. 2 lbs., per dozen ..... **JEE** $1.00

ONE DOZEN IN A PACKAGE.

GROCERS' SCOOPS.



Open, Retinned.

Nos.	2	3
Sizes, in.	6¼x4¼	8x5½
W't per doz., lbs.	3	5
Per dozen	$2.30	2.70
	ABJ	ADE

Nos.	4	5
Sizes,	9¼x6¼	11x7¼
W't per doz., lbs.	6	7
Per dozen	$3.10	3.70
	AHJ	BAJ

ONE-HALF DOZEN IN A PACKAGE.



Covered, Retinned.

Nos.	20	30
Sizes, in.	6¼x4¼	8x5¼
W't per doz., lbs.	4	4½
Per dozen	$2.70	3.30
	AHJ	BCJ

Nos.	40	50
Sizes, in.	9¼x6¼	11x7¼
W't per doz., lbs.	7	9
Per dozen	$4.40	5.00
	BFJ	CBJ

ONE-HALF DOZEN IN A PACKAGE.



Ideal, IXXX Tin. Stands Upright Loaded.

Nos.	11	12	13
Sizes, in.	5½x3¼	6x3½	6½x4
W't doz., lbs.	4	5	6½
Per dozen	$5.50	6.00	6.50
	BIJ	CBE	CFJ

Nos.	14	15
Sizes, in.	7¼x4½	7¾x5
W't per doz., lbs.	7½	9
Per dozen	$7.00	8.00
	CIJ	DBJ

ONE DOZEN IN A PACKAGE.



Extra Heavy, Seamless Steel, Tinned, Wood Handle.

Nos.	164	165	166
Sizes, in.	7½x5½	8½x6¾	11¼x7¾
W't doz., lbs.	15	22	36
Per dozen	$15.50	18.25	24.00
	JFFJ	JGAJ	JICJ

ONE-SIXTH DOZEN IN A PACKAGE.

STAMPED TINWARE.

Entige Page DJ%

GRAVY STRAINERS.



IC Plain, Round Handle, Perforated Bottom.

Nos.	2	3
Diameter, in.	4¼	5¼
W't per doz., lbs.	1	2
Per dozen	$0.70	0.90



No. 20—4¼ in., retinned, wood handle, w't per doz. 2 lbs., per dozen....$1.00

ONE-HALF DOZEN IN A PACKAGE.

JELLY STRAINERS.



IC Plain, Seamless, Side Handles, Wire Bottom.

No. 12—7x2¼ in., w't per doz. 4 lbs., per dozen.....$1.40

No. 16—8x3 in., w't per doz., 5 lbs., per dozen.....$1.75



IC Plain, Long Handle, Wire Bottom.

No. 120—6x2¼ in., w't per doz. 3 lbs., per dozen.....$1.15

No. 160—8x3 in., w't per doz. 5½ lbs., per dozen.....$1.75

ONE-HALF DOZEN IN A PACKAGE.

SOUP STRAINERS.



9 in., —Pieced, heavy polished XXX tin, perforated bottom, w't per doz. 14 lbs., per dozen $7.50



No. 4—8 in., IC pieced, perforated bottom, w't per doz. 6 lbs., per dozen $2.40

LOOSE.



No. 112—6 in., IC pieced tin, wire strainer bottom, w't per doz. 2½ lbs., per dozen $1.45

ONE-HALF DOZEN IN A PACKAGE.

PAIL COVERS.



IC, Plain, Without Rim.

Diameter, in.	4½	6⅝	7
W't doz., lbs.	½	1½	1¼
Per dozen	$0.30	0.50	0.60
Diameter, in.	7¾	9¼	
W't doz., lbs.	2	2¼	
Per dozen	$0.70	0.90	

ONE DOZEN IN A PACKAGE.

BOILER COVERS.



Stamped IC, Plain, Not Rimmed.

Nos.	84	19	39
Sizes	8	9	9
Inches	11⅜x2¼	12x2¾	12¼x2¾
W't doz., lbs.	8½	10	11
Per dozen	$2.10	2.20	2.50

ONE DOZEN IN A PACKAGE.

CHAMPION SIEVES.



Stamped Tin, Plain, Perforated Bottom.

Nos.	7	8
Size, in.	9¼x2	12x2
W't per doz., lbs.	4	6
Per dozen	$1.00	1.40

ONE DOZEN IN A PACKAGE.

CULLENDERS.



11 in., —XXX heavy polished, pieced, w't per doz. 15 lbs., per dozen $8.50

LOOSE.



IC Pieced.

Nos.	10	12
Size, in.	10	12
W't per doz., lbs.	9	11
Per dozen	$1.60	2.40



Stamped, Retinned, Feet Fast.

Nos.	104	205	306	407
Diam., in.	9½	10½	11	13
W't dz., lbs.	6	6½	7	9½
Per dozen	$2.40	2.70	3.00	3.50

ONE-HALF DOZEN IN A PACKAGE.

STAMPED TINWARE AND COVER AND BOILER RACKS.

Entire Page DJ%.

H. &R. POT COVERS.



Regular Sizes, IC, Plain, Hemmed and Ringed.

Diam., in...	7	7½	8	8½
Per dozen ..	$0.40	.40	.40	.45
Diam., in...	9	9½	10	10½
Per dozen ..	$0.50	.55	.60	.60
Diam., in.	11	11½	12	
Per dozen	$0.70	.75	.80	
Diam., in.	12½	13	13½	
Per dozen	$0.90	.95	1.10	
Diam., in.	14	14½	15	
Per dozen	$1.25	1.40	1.75	

W't per dozen ranges from 1¼ lbs. on 7 in. to 7 lbs. on 15 in.

L. H. POT COVERS.



Spring Clip Handle, Lasher Pattern.

Diam., in. ..	7½	8	8½	9
W't, lbs. ...	2¼	2½	2¾	3
Per dozen ..	$0.52	.54	.58	.64
Diam., in.	9½	10	10½	
W't, lbs.	3½	3¾	4	
Per dozen	$0.68	.74	.78	
Diam., in.	11	11½	12	
W't, lbs.	4½	4¾	5	
Per dozen	$0.90	1.00	1.18	
Diam., in.	12½	13	13½	
W't, lbs.	5½	5¾	6	
Per dozen	$1.35	1.50	1.74	

ONE DOZEN IN A PACKAGE.

NEW KINK POT COVERS.



With Folding Wire Handles.

Diam., in...	8	8½	9	9½
Per dozen ..	$0.75	.80	.80	.80
Diam., in...	10	10½	11	11½
Per dozen ..	$0.85	.95	1.05	1.20
Diam., in.	12	12½	13	
Per dozen	$1.35	1.50	1.60	
Diam., in.	13½	14¼	15¼	
Per dozen	$1.75	2.20	2.70	

W't per dozen ranges from 2 lbs. on 7 in. to 7 lbs. on 15 in.

ONE DOZEN IN A PACKAGE.

WIRE COVER RACKS.



No. 10—Steel wire, holds six to eight assorted sizes up to 11½ in. ringed covers, without covers, w't per doz. 3 lbs. .....per dozen $0.90
Without covers.

POT COVER RACKS.

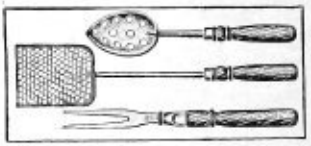


No. 12—Cabinet only, 36 in. high, 12x10 in. top, 17x15 in. bottom, clear cypress, natural finish, well varnished, twelve numbered shelves and place at bottom for handles, w't crtd. 44 lbs., each $7.50
Covers and handles packed separately.
No. 12 H. R.—With 1 doz. each, 12 sizes 8 to 13½, H. & R. covers, otherwise same as No. 12 .....each $15.00
No. 12 L. H.—With 1 doz. each, 12 sizes 8 to 13½, L. H. covers, otherwise same as No. 12 .....each $17.00



No. 8—Japanned steel pot cover rack with of covers 7 to 13½ spaces for 14 sizes in., rack 18x15 in. base by 56 in. tall, w't packed K. D. 11 lbs., each ....BGJ $4.50
No. 8 H. R.—With 1 doz. each 14 sizes 7 to 13½ in. H. R. coversJGBJ $12.50
No. 8 L. H.—With 1 doz. each 13 sizes 7½ to 13½ Spring Clip—Lasher pattern—covers .....JIFJ $16.00

KITCHEN SETS.



No. 200—12 in. steel fork, 14 in. perforated turner, 11 in. spoon, all tinned, steel shanks, hardwood handles, w't per doz. sets 9 lbs., per dozen sets $3.50

ONE SET ON A DISPLAY CARD; ONE DOZEN SETS IN A BOX.

KITCHEN SETS.



No. 11—Complete without covers, 11 pieces consisting of 24 in. japanned steel rack, perforated cake turner, 2 tine 12 in. wood handled fork, 12 in. perforated wood handled mixing spoon, 14 in. tinned, forged basting spoon, 7 in. wood handled paring knife, wood handled tin dipper or ladle, combination can opener and cork screw, 6 in. best steel ice pick, wood handled tea strainer, fibre sink brush, w't per doz. sets 36 lbs., per dozen sets $14.50

No. 9—24 in., japan steel brackets only, with 10 hooks, as illustrated with No. 11 kitchen sets, per dozen $4.00

KITCHEN UTENSILS.

TEA AND TABLE SPOONS.



Tin, Threaded.

No. 70—5¾ in., tea, w't per gro. 2¼ lbs., per gross .....JFJ $1.00

No. 140—6¾ in., table, w't per gro. 6½ lbs. .....per gross AAJ $2.00

ONE-HALF GROSS IN A BOX.



Tinned, Steel Tipped.

No. 900—5¾ in., tea, w't per gro. 7 lbs., per gross .....AEJ $2.10

No. 0900—7⅛ in., dessert—soup size—w't per gro. 10 lbs., per gross.....BHJ $4.00

No. 9000—8¼ in., table, w't per gro. 13½ lbs.....per gross CJJ $4.20

NO. 900, ONE-QUARTER GROSS; NOS. 0900 AND 9000, ONE-SIXTH GROSS IN A BOX.



Tinned, Steel, Figured.

No. 650—5¾ in., tea, w't per gro. 6½ lbs., per gross.....AEJ $4.30

No. 6500—8¼ in., table, w't per gro. 13½ lbs.....per gross CJJ $5.00

NO. 650, THREE DOZEN; NO. 6500, TWO DOZEN IN A BOX.

MIXING SPOONS.



No. 7—13 in., slotted, tinned, plain wood handle, w't per doz. 2 lbs., per dozen .....DJ $0.70

ONE DOZEN IN A PACKAGE.



No. 08—12 in. long, light perforated bowl, tinned riveted wire shank, natural wood handle, w't per doz. 2 lbs.....per dozen DE $0.80

ONE DOZEN IN A BOX.



No. 8—10½ in., tinned heavy shank and perforated bowl, hardwood handle, w't per doz. 2½ lbs., per dozen.....JGJ $1.15

ONE DOZEN IN A BOX.



No. 695—11½ in., heavy forged steel, slotted, w't per doz. 3 lbs., per dozen .....JHJ $1.20

ONE-HALF DOZEN IN A PACKAGE.

BASTING SPOONS.



Retinned, Threaded Handle.

Nos.	010	012	014	016
Length, in.	10	12	14	16
Per dozen...	$0.50	0.60	0.70	0.80
	BE	CE	DJ	EJ



Retinned, Forged, Extra Heavy.

Nos.	10	12	14
Length, in.....	10	12	14
W't doz., lbs.....	2½	3	4½
Per dozen.....	$0.75	0.95	1.20
	JDE	JEE	JGJ

Nos.	16	18
Length, in.....	16	18
W't per doz., lbs.....	5¼	6
Per dozen	$1.40	1.70
	JHE	AJE

ICE CREAM OR BASTING SPOONS.



Tinned Heaviest Forged Steel, Riveted Wood Handle Basting Spoons.

Nos.	150	155	160
Length, in.....	12	14	16
W't per doz., lbs. ..	5½	6	6½
Per dozen	$3.00	3.50	4.00
	AGJ	AIJ	BAE

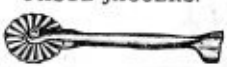
ONE DOZEN IN A BOX.

STRAWBERRY HULLERS.



No. 1—2¼ in. long, nickel plated, per dozen..... CE $0.55

PASTE JAGGERS.

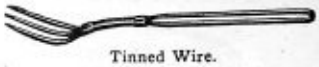


No. 10—Tinned, malleable shank steel wheel .....per dozen DJ $0.65

LARDING NEEDLES.

9 in., polished steel, per doz. JFE $1.10

FLESH FORKS.



Tinned Wire.

No. 9—Light, 12 in., 3 tines, sharp points, w't per doz. 1½ lbs., per dozen .....BE $0.40

No. 35—Heavy, 15 in., 3 tines, w't per doz. 2 lbs.....per dozen CE $0.55

No. 38—Heavy, 18 in., 3 tines, w't per doz. 3 lbs.....per dozen DJ $0.65

ONE DOZEN IN A PACKAGE.



No. 315—15 in., 3 tines, tinned wire tines and shank, enameled wood handle, w't per doz. 3 lbs., per dozen .....JEE $0.85

ONE DOZEN IN A PACKAGE.



No. 28—15 in., 2 tines, tinned malleable, w't per doz. 2½ lbs., per dozen .....JFE $1.10

ONE DOZEN IN A BOX.



No. 610—12 in., 2 tines, bright steel—not tinned—wood handle, w't per doz. 2 lbs.....per dozen JEE $0.95

No. 611—12 in., 2 steel tines, tinned, wood handle, w't per doz 2 lbs., per dozen .....JHJ $1.35

ONE DOZEN IN A BOX.



No. 612—12 in., 2 tines, heavy forged steel, tinned, w't per doz. 3½ lbs., per dozen.....JGJ $1.25

ONE DOZEN IN A BOX.



No. 614—14 in., 3 tines, heavy forged steel, tinned, w't per doz. 4½ lbs., per dozen .....JIE $1.60

ONE DOZEN IN A BOX.

HOTEL FORKS, page 841.

KITCHEN UTENSILS.

CAKE TURNERS.



No. 16—3¼x4½ in., tinned, threaded handle.....per dozen **JFJ** $1.00

ONE DOZEN IN A BOX.



Wood Handle.

No. 1—2¾x3⅛ in., length 12 in., polished steel blade, stained handle, per dozen .....**BE** $0.50

No. 2—2⅞x3⅛ in., length 12 in., tinned steel blade, enameled handle per dozen .....**CE** $0.60

No. 4—3¼x4¼ in., length 15 in., plated steel blade, natural finish handle, per dozen .....**JEE** $0.90

ONE DOZEN IN A BOX.



No. 5—3¼x4 in., polished and perforated steel blade, natural finish handle, length 15 in....per dozen **DE** $0.80

ONE DOZEN IN A BOX.



No. 3—3¾x6¼ in., length 17 in., polished steel blade, natural finish handle, per dozen .....**DE** $0.85

ONE DOZEN IN A BOX.



No. 81—3¼x5 in., perforated and dished steel blade, nickeled including shank and ferrule, with ebony finish handle, 16 in over all...per dozen **JHE** $1.45

ONE DOZEN IN A BOX.

TROWEL CAKE TURNERS.



No. 10—4¾x3½ in., polished steel blade, enameled wood handle, 10½ in. over all .....per dozen **JFJ** $1.50

ONE DOZEN IN A BOX.



No. 12—Perforated, 4¾x3½ in., polished steel blade, enameled wood handle, 10½ in. over all, per dozen **JFJ** $1.50

ONE DOZEN IN A BOX.

CAKE TURNERS.

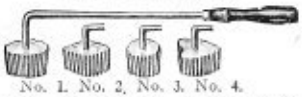


No. 15—4x5½ in., perforated, polished blade, flat 12 in. hooked steel handle, 17 in. over all, w't per doz. 6 lbs., per dozen.....**AAE** $2.00

HOTEL CAKE TURNERS, page 841.

ONE DOZEN IN A BOX.

TIMBALE IRONS.



No. 1. No. 2. No. 3. No. 4.

Fluted, Nickel Plated, Walnut Handle.

No. 1—18 in., oval, per doz. **JFJJ** $10.00
No. 2—18 in., diamond " **EGJ** 9.50
No. 3—18 in., round " **EDJ** 9.00
No. 4—18 in., heart " **JGJJ** 10.00

ONE-HALF DOZEN IN A BOX. W'T 20 LBS. PER DOZEN.

ROSETTES WAFER TIMBALES.



No. 5—Two cast forms, one 9 in. steel wire handle, w't per doz. sets 10 lbs., per dozen sets.....**CHJ** $6.50

ONE SET IN A BOX.

ROSETTE PATTY TIMBALES.



No. 6—Two cast forms, one 9 in. tinned steel wire handle, w't per doz. sets 20 lbs., per dozen sets.....**CHJ** $6.70

ONE SET IN A BOX.



PASTRY DECORATING BAGS.

Rubber with No. 0 Fancy Nozzle.

Nos.	1	2	3
Size, in.	5x9	6x12	8½x15
Per doz.	$4.00	5.20	6.50
	BDJ	**CAJ**	**CIJ**

LOOSE.

PASTRY BAG NOZZLES.

No. 0—Fancy, 2¼ in., tin, for pastry bags above, for domestic use, per dozen .....**JHJ** $1.30
No. 03—Plain, ⅛ in. hole length 2¼ in. .....per dozen **JFE** $1.10
No. 04—Plain, ⅛ in. hole, length 2¼ in. .....per dozen **JFE** $1.10
No. 33—Star, ⅛ in. hole, length 2¼ in. .....per dozen **JFE** $1.10
No. 44—Star, ⅛ in. hole, length 2¼ in. .....per dozen **JFE** $1.10

LOOSE.

ICE CREAM DISHERS.



No. 1 No. 2.
Bright Tin Bowl, Wrought Handle.

No. 1—Dishes to quart ...	16	10	8	6
W't, doz., lbs.	2	2¼	2½	2⅝
Per dozen	$1.50	1.50	1.50	1.50
	JHJ	**JHJ**	**JHJ**	**JHJ**

ONE DOZEN IN A PACKAGE.

Retinned XXXX Seamless Steel Bowl Removable German Silver Wipers.

No. 2—Dishes to quart	20	16	12
W't per doz., lbs....	3¼	3¼	3¼
Per dozen	$2.50	3.00	3.25
	AGE	**AHE**	**BJJ**

No. 2 Dishes to quart.....	10	8	6
W't per doz., lbs....	3¼	4½	5
Per dozen.....	$3.50	4.00	4.25
	BAJ	**BCJ**	**BDJ**

DISHES 6 TO QT., ONE DOZEN; DISHES 8 TO QT., ONE AND ONE-HALF DOZEN; BALANCE, TWO DOZEN IN A BOX.



Hard Wood Handle, All Metal Parts, Solid Polished German Silver, Bronze Gear, Round Rigid Bowl, Revolving Wiper, Working Parts Encased.

No. 4—Dishes to quart	20	16	12
Per dozen....	$24.00	24.00	24.00
	ADDJ	**ADDJ**	**ADDJ**

No. 4—Dishes to quart....	10	8	6
Per dozen....	$24.00	24.00	24.00
	ADDJ	**ADDJ**	**ADDJ**

W'T PER DOZ. 8 TO 10 LBS. ONE IN A BOX.



Conical Solid German Silver Bowl and Shank, German Silver Wipers, Bronze Working Parts, Hardwood Handle.

No. 6—Dishes to quart....	20	16	12
Per dozen....	$26.00	26.00	26.00
	AEFJ	**AEFJ**	**AEFJ**

No. 6—Dishes to quart....	10	8	6
Per dozen.....	$26.00	26.00	26.00
	AEFJ	**AEFJ**	**AEFJ**

W'T PER DOZ. 10 TO 12 LBS. ONE IN A BOX.

ICE CREAM SCOOPS.



Tinned, Heavy Forged Steel, Riveted Plain Wood Handles, Spade Pattern Spoon.

Nos.	212	214
Length, in.	12	14
W't per doz., lbs.	5	6
Per dozen	$3.50	4.00
	BAJ	**BDJ**

ONE-HALF DOZEN IN A PACKAGE.

See Ice Cream Spoons, Page 851.

TINNERS' TRIMMINGS.

CAN SCREWS.



Straight. Regular.

½ in., tin, deep straight pattern, cork lined, per gross $4.00

Tin, Regular Deep Pattern, Not Lined.

Diameter, in...	¾	1	1¼
Per gross.....	$3.50	5.00	7.00
Diameter, in.....		1½	2
Per gross		$10.00	12.00

2 IN., ONE-HALF GROSS; BALANCE, ONE GROSS IN A BOX.

Zinc, Regular, Deep Pattern, Not Lined.

Diameter, in.	½	¾	1
Per gross	$4.00	4.50	6.00
Diameter, in...	1¼	1½	2
Per gross.....	$8.00	12.00	20.00

2 IN., ONE-HALF GROSS; BALANCE, ONE GROSS IN A BOX.

Brass, Regular, Deep Pattern, Not Lined.

Diameter, in...	¾	1	1¼
Per gross.....	$5.50	7.50	10.00
Diameter, in.....		1½	2
Per gross.....		$13.00	21.00

ONE-HALF GROSS IN A BOX.



Tin, Flat, Flange, Unlined.

3 in.....	per gross	$5.00
4 in.....	per gross	6.00

TWO DOZEN IN A PACKAGE.

SPRINKLER ROSES.



Zinc Face, Tin Base.

Nos.	100	120	121	122
Diam., in....	1¼	2¼	3¼	3¾
W't dz., lbs.	¾	1	1½	2
Per dozen ...	$0.65	1.00	1.50	2.00

ONE DOZEN IN A BOX.

RIVETS AND BURRS.



Revised List March 19, 1913.

TINNERS' RIVETS.

Size	Metallic Tinned Pkgs. of 1000 per 1000	Black Pkgs. of 1000 per 1000	Black In Bulk per Pounds
8 oz.	$0.31	$0.22	$0.42 ★
10 "	.35	.24	.38 ★
12 "	.39	.26	.35 ★
1 lb.	.47	.29	.30 ★
1¼ "	.54	.32	.27 ★
1½ "	.64	.37	.26 ★
1¾ "	.72	.41	.25 ★
2 "	.79	.44	.24 ★
2½ "	1.00	.56	.24 ★
3 "	1.15	.62	.23 ★
3½ "	1.34	.72	.23 ★
4 "	1.49	.79	.22 ★
5 "	1.88	1.00	.22 ★
6 "	2.17	1.12	.21 ★
7 "	2.54	1.31	.21 ★
8 "	2.90	1.50	.21 ★
10 "	3.52	1.77	.20 ★
12 "	4.16	2.06	.19½★
14 "	4.85	2.40	.19½★

12 AND 14 LB. PACKAGES 500; BALANCE, 1000 IN A PACKAGE.

Black, bulk, in 100 lb. kegs, list 4 cents less per pound.

Write for prices on bulk rivets.

RIVETING BURRS.

Tinned Iron.

Nos.	8	7	6
Per pound	$0.60	.56	.52

Black Iron.

Inches		⅞	¼
Per pound		$0.43	0.36

ONE POUND IN A PACKAGE.

WROUGHT PAIL EARS.



Tinned.

Nos.	1	2	4	6
Height, in...	1¼	1⅜	1⅝	2⅛
W't gro. prs., lbs.	2½	2½	5	10
Per gro prs..	$1.00	1.25	1.75	2.75

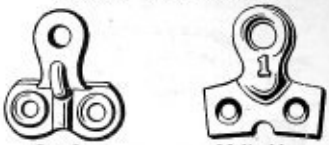
ONE-HALF GROSS PAIRS IN A BOX; WE DO NOT BREAK BOXES.

TEA KETTLE EARS.

No. 85—Nickel plated brass, for repairing Rome tea kettles, w't per gro. prs. 12 lbs.....per gross pairs $20.00

LOOSE.

HEAVY PAIL EARS.



Cut Steel. Malleable.

Cut Steel, Tinned.

Nos.	10	20	30	40
Height, in...	1⅛	1¼	1½	1¾
W't gro. prs., lbs.	4½	5	5¼	8
Per gro. prs.	$2.25	3.00	3.75	5.00

Nos.	50	60	70
Height, in.....	1⅞	2⅛	2⅜
W't gro. prs., lbs...	13½	17	40
Per gro. prs.....	$6.50	8.00	11.25

ONE-HALF GROSS PAIRS IN A BOX.

Heavy Steel Tinned, Extra Wide.

No. 75—Height 2¼ in., width 2⅝ in., w't per gro. prs. 20 lbs., per gross pairs.....$6.00

Extra Heavy Tinned, Malleable Iron.

Nos.	1	2	3	4
Length, in...	1¾	2	2½	2¾
W't gro. prs., lbs.	17	25	39	54
Per lb.	$0.25	0.25	0.25	0.25

100 LBS. BULK IN A KEG.

STRAINER WIRE CLOTH.



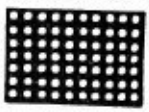
Brass, 12 Inches Wide.

Rolls 60 inches long.

Mesh	40	50	60
Per roll	$1.25	1.50	2.00
	JFE	JHJ	JIJ
Mesh	70	80	100
Per roll	$3.00	4.00	5.00
	AFJ	BAJ	CCJ

Its the weight and number of meshes which determines the value of strainer cloth. Our strainer cloth is strictly new one piece, not reclaimed paper mill cloth.

PERFORATED TIN.



IC, 14x20 Inches.

Nos.	1	2	3
Holes, per in.....	18	15	12
Per dozen	$3.50	3.25	3.25
	ADJ	ADJ	ADJ

Nos.	4	5
Holes, per in.....	10	8
Per dozen	$3.00	3.00
	ADJ	ADJ

AVERAGE W'T 8 LBS. PER DOZ.; BOX CONTAINS 112 SHEETS.

TINNERS' TRIMMINGS

ENAMELED WOOD KNOBS.



No. 25. Nos. 30 & 100. No. 54.

TEA POT.

No. 25—**Small,** w't per gro. 1 lb., per gross .....**DJ** $0.80

No. 30—**Medium,** w't per gro. 1½ lbs., per gross .....**EJ** $0.90

No. 100—**Large,** w't per gro. 1¾ lbs., per gross .....**JEE** $1.00

REPAIR.

No. 54—Enameled wood, assorted sizes, with bolt, nut and tin washer, for repairing without solder, per gross .....**JGJ** $1.50

ONE GROSS IN A BOX.

COVER, ON CARDS.



No. 55—Three dozen assorted on a card, enameled wood, with bolt and nut, and two tin washers, to be used without solder, can be attached by any one.....per dozen cards **CDJ** $2.00

ONE DOZEN CARDS IN A BUNDLE.

TEA POT HANDLES.



Enameled Wood, for Slanting Pots.

No. 54½—5 in., w't per doz. 1½ lbs., per dozen.....**JDE** $1.00

No. 55½—5½ in., w't per doz. 1¾ lbs., per dozen.....**JDE** $1.00

Both ears for soldering.

ONE DOZEN IN A BOX.

ENAMELED PAIL WOODS.



Nos.	3	3½	4
Length, in.	3	3½	4
W't per gro., lbs...	3	6	12
Per gross	$0.90	1.00	1.20
	FE	**JGJ**	**JIE**

LOOSE.

TINNERS' TRIMMINGS

BOILER HANDLES.



Nos. 1 & 2. No. 35.

Coppered.

No. 1—3½ in., 5 to lb., per dozen pairs .....**CJ** $0.50

No. 2—4 in., 3 to lb., per dozen pairs .....**DJ** $0.60

We give the average number to the pound and extreme length. Ask for price 100 lb. kegs or 500 lb. barrels.

100 LBS. IN A KEG.

No. 35—Heavy, 4 in., wood grip, tinned, hooked, rigid steel shanks for oval boilers, w't per doz. prs. 4½ lbs., per dozen pairs .....**AJJ** $2.00

LOOSE.

CAN HANDLES, WITH CLIPS.



No. 3575. Nos. 015 & 15.

Tinned Malleable.

No. 3575—Inches....	3	3½	4
W't doz. prs., lbs...	3½	5	6½
Per dozen pairs....	$1.60	1.80	2.20
	JGJ	**JHE**	**AJJ**

ONE DOZEN PAIRS IN A BOX.

No. 015—4 in., **japanned iron,** japanned steel clip, w't per doz. prs. 11 lbs., per dozen pairs.....**JIJ** $1.50

No. 15—4 in., **tinned iron,** tinned steel clip, w't per doz. prs. 11 lbs., per dozen pairs .....**ADJ** $2.00

Specially adapted for ash, garbage and heavy cans of all kinds; the cross bar prevents rubbing hand.

IN BULK.



No. 217. No. 218.

Galvanized, All Steel.

No. 217—2x2 in. clip, 3¼ in. grip stop drop lifting handles, w't per doz. prs. 5¼ lbs. ...per dozen pairs **JHJ** $1.50

No. 218—3x3 in. clip, 3¼ in. grip stop drop lifting handles, w't per doz. prs. 9 lbs.....per dozen pairs **AAE** $2.00

ONE DOZEN PAIRS IN A BOX.

WIRE RINGS AND CLIPS.



Coppered Wire, Tin Clip.

Diam., in.	¾	1	1¼	1½
W't per gro., lbs...	⅝	1	1¼	1¾
Per gross	$0.30	.40	.45	.65
	AG	**BB**	**BE**	**CJ**

ONE GROSS IN A BOX.

PEPPER BOXES.



No. 1—Small japanned pepper, 1½x2½ in., w't per doz. 2½ lbs., per doz. **CJ** $0.50

No. 2—Large japanned pepper, 1½x3 in., w't per doz. 1 lb., per dozen **CB** $0.60

ONE DOZEN IN A PACKAGE.

DREDGE BOXES.



No. 3. No. 8. No. 10.

No. 3—Japanned all white dredge, 3x3½ in., w't per doz. 2 lbs., per dozen .....**EE** $0.95

ONE DOZEN IN A PACKAGE.

No. 8—Large bright tin dredge, 2½x4 in., w't per doz. 2½ lbs., per dozen .....**JHE** $1.50

No. 10—Glass dredge, 4x5 in. plated perforated screw top, w't per doz. 5 lbs. .....per dozen **AHJ** $1.50

ONE DOZEN IN A CARTON.



SALTS AND PEPPERS.

No. 4—**Jumbo,** glass, diam. 2 in., height 4½ in., nickel plated tops, w't per doz. 3½ lbs., per doz. **JHE** $1.20

TWO-THIRDS DOZEN SALTS, ONE-THIRD DOZEN PEPPERS IN A BOX.

We do not break boxes.

KITCHEN CABINET JARS.



7 Piece Set, glass, consisting of 1 large, 40 oz., lettered "Coffee," 1 medium, 12 oz., not marked, 2 small, 8 oz., sifter tops, 1 salt, 1 pepper, 3 small, 8 oz., solid top not marked, w't per set 6 lbs. ....per dozen sets **JFEJ** $11.50

ONE SET IN A SHIPPING CARTON.

POST OFFICE BOXES.



No. 1. No. 3.

Nos.	1	2	3
Compartments	1	2	3
W't per doz., lbs. ..	4	7½	10½
Per dozen	$1.80	3.70	5.00
	AJJ	**BAJ**	**BIJ**

ONE-SIXTH DOZEN IN A PACKAGE.

JAPANNED TINWARE.

FLOUR BOXES.



Nos. 25 to 100. Nos. 125 to 200.

Round Flour Boxes, with Hasped Hinged Cover, Japanned in Color, Including White.

No. 25—16¾x9¾ in., capacity 25 lbs., w't per doz. 84 lbs., per dozen .....**JEDJ** $10.50

No. 50—20½x12½ in., capacity 50 lbs., w't per doz. 114 lbs., per dozen .....**JGBJ** $14.50

No. 100—26x15 in., capacity 100 lbs., w't per doz. 150 lbs., per dozen .....**AJHJ** $22.00

NOS. 25 AND 50, TWO ONLY; NO. 100, ONE ONLY IN A CRATE.

Japanned, Rotary Flour Bin Sifters.

No. 125—Cream City White, 23x10½ in., capacity 25 lbs., w't per doz. 144 lbs., per dozen .....**AHFJ** $36.00

No. 150—Cream City White, 27¼x12⅞ in., capacity 50 lbs., w't per doz. 204 lbs., per dozen .....**BCDJ** $44.00

No. 0150—Superior, japanned in colors, 27¼x12⅞ in., capacity 50 lbs., w't per doz. 200 lbs., per dozen .....**AHCJ** $31.00

No. 200—Cream City White, 34x15½ in., capacity 100 lbs., w't per doz. 300 lbs., per dozen .....**CDBJ** $60.00

ONE IN A CRATE.

R. C. BREAD BOXES.



Japanned Seamless, Round Corners and Cover.

No. 112—White, size 13½x9⅝x9¼ in., shipping w't per doz. 40 lbs., per dozen .....**JFIJ** $13.00

No. 113—White, size 15x11x10 in., shipping w't per doz. 55 lbs., per dozen .....**JGHJ** $15.00

No. 114—All white, size 17x12x10½ in., shipping w't per doz. 60 lbs., per dozen .....**JHDJ** $16.00

No. 115—White, size 19x13½x10½ in., shipping w't per doz. 75 lbs., per dozen .....**AJEJ** $17.50

Nested.

No. 235—Nest, consisting of one each of Nos. 112, 113 and 114, w't per doz. nests, 145 lbs., per dozen nests.....**BJGJ** $37.00

No. 1234—Nest, consisting of one each of Nos. 113, 114 and 115, w't per doz. nests 165 lbs., per dozen nests .....**BAFJ** $38.00

Sanitary and easier to keep sweet and clean than the old style square corner bread boxes.

ONE-SIXTH DOZEN IN A CRATE.

BREAD AND CAKE BOXES.



Nos. 12 to 15. No. 3.

Round Corner Bread Boxes, Assorted Colors, Blue, Red and Green.

Nos.	12	13
Size, in.	13½x9½x9¾	15x11x10
W't per doz., crtd., lbs.	50	65
Per dozen	$11.50 **JFEJ**	12.50 **JGAE**

Nos.	14	15
Size, in.	17x12x10½	19x13½x10½
W't per doz., crtd., lbs.	75	85
Per dozen	$14.50 **JHAJ**	16.00 **JICJ**

Nested.

No. 30—Three in a nest, one each Nos. 12, 13 and 14, marked "Bread," w't per doz. nests 140 lbs., per dozen nests .....**AHCJ** $33.00

No. 32—Three in a nest, one each Nos. 13, 14 and 15, marked "Bread," w't per doz. nests 170 lbs., per dozen nests .....**AIEJ** $35.00

No. 3—Round, white japanned, stamped top ornamented, 3 in a nest, 10½, 11½ and 12½ in., marked "Cake," w't per dozen nests 72 lbs., per dozen nests .....**AEHE** $27.00

ONE-SIXTH DOZEN IN A CRATE.

BREAD AND CAKE CLOSETS.



White.

No. 1—1 shelf, 12x9¼x15½ in., w't per doz. 48 lbs., per dozen **ADDJ** $25.00

No. 2—2 shelf, 12½x12x19 in., w't per doz. 90 lbs., per dozen **AHJJ** $31.50





The attractive idea in these cabinets is the "knock down" feature, insuring delivery in perfect condition at lower freight rate.

Aluminum Finish.

No. 11—**Tin,** 14x17x11 in., 1 shelf, w't per doz. 98 lbs., per dozen **ADDJ** $25.00

No. 21—**Galvanized,** 24x15x12 in., 2 shelves, w't per doz. 190 lbs., per dozen .....**BHHJ** $45.50

No. 22—**Galvanized,** 28x17x13½ in., 2 shelves, w't per doz. 228 lbs., per dozen .....**CFJJ** $55.00

No. 23—**Galvanized,** 30x20x13½ in., 3 shelves, w't per doz. 310 lbs., per dozen .....**DEFJ** $80.00

NO. 11 HALF DOZEN; 21 AND 22 QUARTER DOZEN; AND 23 ONE ONLY IN A CASE.

SYRUP PITCHERS.



Nos. 1 and 2. No. 20.

Nos. 1 and 2 Japanned Tin.

	1	2
Pints		
W't per doz., lbs.	3	4
Per dozen	$2.20 **ABE**	2.80 **AFJ**

HALF DOZEN IN A PACKAGE.

No. 20—18 oz., 1 pt., Glass including lip, tin top, w't per doz. 14 lbs., per dozen .....**AEJ** $2.60

SPICE AND SUGAR BOXES.



No. 4—White, sugar, flat top, 3 in a nest, capacity 3½, 7 and 10 lbs., diam. 6¼ in., 7¼ in., 8¼ in., w't per nest 2½ lbs. ...per dozen nests **EDJ** $9.50

ONE NEST IN A PACKAGE.

CASH AND DOCUMENT BOXES.



No. 14—**Cash Box,** seamless blued steel, round cornered, 11x5¼x2¼ in. inside, 2 flat keys, holds 40 silver dollars, other coins in proportion, space in lid for bills, checks, etc., w't per doz. 10 lbs. .....per dozen **JGBJ** $12.00

No. 15—**Document Box,** without inside partitions, pressed blued steel, round cornered, 11x5¼x2¼ in. inside, 2 flat keys, w't per doz. 10 lbs., per dozen .....**CJJ** $5.00

ONE IN A CARTON.

STRONG BOXES.



No. 116—11½x7½ in. inside, height 6 in., old copper finish, 16 gauge steel strapped and riveted, 2 flat keys, 12 changes, w't per doz. 120 lbs., per dozen .....**DBJJ** $72.00

JAPANNED TINWARE.

LUNCH BOXES.



No. 00.



Nos. 1 and 2.

Brown Fibre, with Strap.

No. 00—In nests of three sizes, small 6x5x4 in., medium 7x6x4½ in., large 8x6x5 in., average w't per doz. 18 lbs., per dozen nests ..... CFJ $5.70

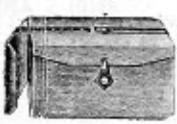
ONE DOZEN NESTS IN A CARTON.

Japanned Tin, Folding.

No. 1—7½x3½x3¾ in., w't per doz. 6 lbs., per dozen ..... AFJ $3.10

No. 2—8½x4x4½ in., w't per doz. 7½ lbs., per dozen ..... BJJ $3.80

LOOSE.



No. 10.



No. 15.

No. 10—Waterproofed fibre, with clasp, 8x5x4 in., folds flat, average w't per doz. 5½ lbs....per dozen ABE $2.30

No. 15—Folding, imitation camera, 8x4½x4½ in., black cloth covered, linen paper lined, with storm shoe clasps, w't per doz. 6 lbs., per dozen ..... BCE $5.00

LOOSE.



Nos. 8 and 9.



No. 6.

Japanned Tin, Round Corners, Hinge Cover, Swinging Wire Bale, Wood Grip.

No. 8—8¼x5x4¾ in., w't per doz. 9 lbs., per dozen ..... BIJ $5.25

No. 9—9¼x6¼x5¼ in., w't per doz. 11 lbs. .....per dozen CCJ $5.80

ONE DOZEN IN A CRATE.

No. 6—Spring Cover Clasp, 5x5x7½ in., clasp cover fastening, cloth covered imitation leather, removable tin case, heavy corner feet, w't per doz. 12 lbs., per dozen ..... EAJ $8.40

ONE DOZEN IN A FIBRE CASE.

LUNCH BOXES.



No. 27—Cloth covered and lined, 8½x4½x5½ in. tall, strap handles, storm shoe clasp, w't per doz. 3 lbs., per dozen ..... BAE $2.50

An attractive school lunch box.



No. 29—Cruso, Imitation black pebbled leather, 10x5½x7½ in. high, satchel pattern, enameled jacket bright screw cap pint vacuum bottle **suspended in** peak on end brackets, w't per doz. 20 lbs. .....per dozen ACHJ $25.50

LOOSE.



IMPROVED UNIVERSAL HOT BOTTLE LUNCH BOX.

Heavy Tin, 9x4½x7 In., Imitation Leather, Genuine Leather Handle, Equipped with Metal Spring Bottle Container.

No. 110—Brown, without aluminum trays, w't per doz. 62 lbs., per dozen ..... BBGJ $27.00

No. 310—Black, without aluminum trays, w't per doz. 62 lbs., per dozen ..... BBEE $27.00

No. 120—Brown, with 2 aluminum trays, w't per doz. 64 lbs., per dozen ..... BEBJ $30.00

No. 320—Black, with 2 aluminum trays, w't per doz. 64 lbs., per dozen ..... BEBJ $30.00

ONE-HALF DOZEN IN A CASE.

EXTRA PARTS FOR UNIVERSAL LUNCH BOXES.

Vacuum Bottles, per dozen JHFE $10.20
Tin Bottle Jackets, per doz. FEJ 7.20
Bottle Holder Springs, for jacket, per dozen ..... BEJ $3.00
Corks for Bottles, per dozen FE .80

BOND BOXES.



No. 11—Flat keyed lock, 11 in. long, 5¼ in. wide, 3½ in. high, w't per doz 14 lbs. .....per dozen EJJ $8.80

ONE IN A PACKAGE.

DEED BOXES.



With Hasp.

Nos.	2	3	4
Length, in.	10½	11½	13½
Width, in.	7½	8¼	9¼
Depth, in.	4¼	4¾	5¼
W't, doz., lbs.	14	18	24
Per dozen	$7.60	8.70	11.20
	DEJ	EJE	JFEJ

ONE IN A PACKAGE.

CASH BOXES.



Flat Keyed Lock.

Nos.	8½	9½	10½
Length, in.	8½	9½	10½
Width, in.	5⅜	6⅛	7⅛
Depth, in.	3⅛	3½	3¾
W't per doz., lbs.	12	15	18
Per dozen	$7.30	8.00	8.80
	DBJ	DFJ	EJE

Nos.	11½	13½
Length, in.	11½	13½
Width, in.	8¼	10
Depth, in.	5	6½
W't per doz., lbs.	24	28
Per dozen	$10.40	12.50
	JFJJ	JGBJ

ONE IN A PACKAGE.

CRUSO HEAVY CASH BOXES.



Heavy IX Tin, Bright Maroon Japanned, Gold Banded, Two Flat Keys with Each Box, All Locks Different, No Two Alike.

Nos.	210	212
Length, in.	10¾	12¾
Width, in.	7¾	8¾
Height, in.	4¼	5⅛
W't per doz., lbs.	24	31
Per dozen	$17.50	19.20
	AJEJ	AAEJ

Nos.	213	214
Length, in.	13½	14½
Width, in.	9¼	10⅛
Height, in.	6	6¼
W't per doz., lbs.	43	49
Per dozen	$21.60	23.50
	ABIE	ADAJ

Dimensions are overall outside; inside dimensions about ⅜ in. less.

ONE DOZEN IN A FIBRE CASE.

JAPANNED TINWARE.

MATCH SAFES.



No. 21. No. 22.

No. 21—Twin, japanned, per dozen .....CE $0.65
No. 22—Square, japanned, per dozen .....DE .80

ONE DOZEN IN A PACKAGE.



No. 7—Japanned tin, 3¼x2¾x5½ in., w't per doz. 3½ lbs., per doz. **ABJ** $2.00
Takes a whole box (any size) of Barber matches.

ONE DOZEN IN A PACKAGE.



No. 17—White japanned tin, 3¼x2¾x5½ in., luminous patches on three sides, glowing in the dark if hung in the light during the day, w't per doz. 3½ lbs.....per dozen **BEJ** $3.00



No. 6 New—2¾x1¼ round bottom, hinged cover box on 4¼x3¾ wall plate, bronzed cast iron, w't per doz. 8 lbs. .....per dozen **JHJ** $1.40

ONE DOZEN IN A BOX.

CANDLESTICKS.



No. 1. No. 111.

No. 1—Japanned, diam. 5 in., per dozen .....DJ $0.75

No. 111—Spun brass, diam. 5 in., w't per doz. 3 lbs. .....per dozen **BDE** $4.00

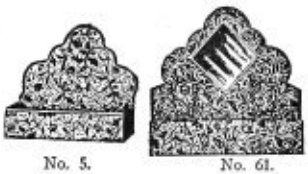
ONE-HALF DOZEN IN A PACKAGE.

COMB CASES.



No. 1—7x6 in., tin, japanned, per dozen .....JFJ $1.00

ONE-HALF DOZEN IN A PACKAGE.



No. 5. No. 61.

No. 5—8x8 in., embossed silverine tin, w't per doz. 3½ lbs., per dozen .....JFJ $1.00

ONE DOZEN IN A BOX.

No. 61—9x9 in., embossed silverine tin, with mirror and two match receptacles, w't per doz. 7 lbs., per dozen .....AAJ $1.90

ONE-HALF DOZEN IN A BOX.
WE DO NOT BREAK BOXES.

CHILD'S LITHOGRAPHED SAND PAILS.

With Shovels.



No. 390—5½x6 in. diam., tin, outside lithographed, assorted decorations, w't per doz. 3 lbs., per dozen .....JIE $1.60

CHAMBER PAILS.



Nos. 2 and 3. Nos. 2½ to 03.

No. 2—10 qt., japanned, w't per doz. 28 lbs. .....per dozen **CDJ** $5.00
No. 3—12 qt., japanned, w't per doz. 28 lbs. .....per dozen **DAJ** $6.00
No. 2½—10 qt., galvanized, w't per doz. 34 lbs. .....per dozen **DHJ** $6.00
No. 3½—12 qt., galvanized, w't per doz. 36 lbs. .....per dozen **EDJ** $6.50
No. 4½—14 qt., galvanized, w't per doz. 40 lbs. .....per dozen **FEJ** $8.00
No. 03—12 qt., galvanized and painted outside, w't per doz. 36 lbs., per dozen .....FEJ $8.00

ONE-HALF DOZEN IN A CRATE.

COMBINATION COMMODE AND CHAMBER PAILS.



No. 25—14 qt., heavy galvanized, w't per doz. 90 lbs. ...per dozen **AAAJ** $15.00
Has two covers and removable metal ring seat, used with large cover only for chamber pail. The small cover has ring for disinfecting sponge.
This is a desirable article in that it is smooth, without corners or grooves, cleaning perfectly.
No. 24—13 qt., galvanized, pattern No. 25, without large cover, w't crtd. 60 lbs. .....per dozen **JFEJ** $12.00

ONE-QUARTER DOZEN IN A CRATE.

COMMODE PAILS.



No. 26—14 qt., gold banded white japanned, heavy XXX tin, with small cover only, w't per doz. 30 lbs., per dozen .....AAAJ $19.00

ONE-QUARTER DOZEN IN A CRATE.

JAPANNED TINWARE.

TOILET STANDS.



No. 03½.

No. 03 — Stand only with soap dish, white japanned wrought iron frame, height 30½ in., diam. at base 12 in., w't crtd. 13 lbs. each, per dozen..**AJBJ** $17.00

No. 03½—Stand same as No. 03, fitted with 12 in. japanned wash basin, japanned soap dish and water pitcher, all white, w't crated 15 lbs., each .....per dozen **ADAJ** $23.00



No. 71—White enameled steel stand, 30 in. high, 14½ in. top, 16x16 in. base, made of ⅞ in. steel rod, solidly bolted, stamped steel top ring and under shelf, complete with all white best quality enameled, 14 in. wash basin, 4 qt. pitcher and 12 qt. covered combinet, w't crated complete for shipment 30 lbs., per dozen .....**EGJJ** $95.00

No. 70—Without combinet, otherwise same as No. 71, per doz. **DEJJ** $80.00

A handsome, substantial piece of furniture suitable for any bedroom.



No. 2—Japanned all white toilet set, complete with soap dish, 12¼ in. bowl, and slop jar, height 31 in. not including tank, top 20x16 in., w't each, packed, 65 lbs., per dozen **JHDJJ** $140.00

ONE SET IN A CRATE AND CASE.

TOILET SETS WITH STANDS.



No. 72—White enameled steel stand, with steel-framed 10x12 oval tilting mirror on steel bracket extending 24 in. above stand, no combinet, otherwise same as No. 71, w't each crtd. complete 30 lbs., per dozen .....**JFCJJ** $100.00

COMBINATION BATH TUBS.



Dark Japanned, Green Inside.

No. 34—34 in., w't 22 lbs. each crtd., per dozen .....**DFBJ** $80.00

HIP OR SITZ BATH TUBS.



Dark Japanned, Green Inside.

No. 26—26 in., w't 20 lbs. each, crtd., per dozen .....**DJCJ** $67.50

PLUNGE BATH TUBS.



Dark Japanned, Green Inside.

No. 04—4 ft., wood bottom, w't each 25 lbs. crtd., per dozen **DFHJ** $80.00

No. 05—5 ft., wood bottom, w't each 32 lbs. crtd., per dozen **EDJJ** $93.00

No. 06—6 ft., wood bottom, w't each 37 lbs. crtd., per doz. **JFCFJ** $108.00

ONE IN A CRATE.

OVAL FOOT TUBS.



No. 218.



No. 100.

No. 218—Cruse, 18 in. oval, heavy galvanized, wood grip rigid end handles, w't per doz. 60 lbs., per dozen .....**JHDJ** $14.00

ONE-HALF DOZEN IN A CRATE.

Nos.	100	101	102	103
Length in...	15	16	17½	18½
W't per doz. loose, lbs..	20	22	24	35
Per dozen ..	$3.70	4.50	5.30	8.00
	BCJ	**BDJ**	**CBE**	**DEJ**



No. 00.



No. 114.

Dark Japanned, Green Inside. Nos.	00	01	02
Length, in.	15	16	17½
W't, doz. loose, lbs.	15	18	21
Per dozen	$3.50	4.50	5.00
	BJJ	**BFJ**	**BHJ**

White, Gold Banded.

No. 119—Extra heavy XXX tin, 20 in., japanned all white, w't per doz. 60 lbs. .....per dozen **JHDJ** $18.00

ONE DOZEN IN A CRATE.

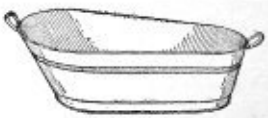
INFANTS' BATH TUBS.



Dark Japanned, Green Inside.

Nos.	1	2
Length, in.	27	30
W't per doz. loose, lbs..	36	45
Per dozen	$17.50	20.00
	AADJ	**ABIJ**
Nos.	3	4
Length, in.	33	36
W't per doz. loose, lbs..	70	84
Per dozen	$25.00	30.00
	AEJJ	**AGDJ**

No. 1234—Nest—1-2-3-4, w't per doz. nests 235 lbs., per dozen **DHJJ** $80.00



White, Gold Banded.

No. 131—Extra heavy XXXX tin, 31 in., japanned white, gilt banded, drop end handles, w't per doz. 110 lbs., per dozen .....**AHGJ** $27.50

ONE-HALF DOZEN IN A CRATE.

JAPANNED TINWARE.

DUST PANS.



Nos. 01 and 1. Nos. 021 to 121. Quaker Pattern.

No. 01—IC, 9x13 in., japanned, corrugated, w't per doz. 5 lbs., per dozen .....**JDH** $1.10

No. 1—IX, 9x13 in., japanned, corrugated, w't per doz. 8½ lbs., per dozen .....**JIJ** $1.50

ONE-HALF DOZEN IN A PACKAGE.

No. 021—1X, 8½x12½ in., japanned, Quaker pattern, turned edge, w't per doz. 9 lbs. .....per dozen **JIJ** $2.25

No. 21—XXX, 8½x12½ in., japanned, heavy Quaker, turned edge, wired rim, w't per doz. 12 lbs., per dozen .....**AGE** $3.50

No. 121—XXX, 8½x12½ in., japanned, heavy Quaker, inserted steel edge, w't per doz. 13 lbs., per dozen **BFJ** $4.50

ONE-QUARTER DOZEN IN A PACKAGE.



Nos. 010 and 10. Nos. 0210 and 210.

No. 010—IC, 9x13 in., half covered, japanned, w't per doz. 6 lbs., per dozen .....**JHJ** $2.10

No. 10—IX, 9x13 in., half covered, japanned, plain, w't per doz. 9 lbs., per dozen .....**ABE** $2.50

ONE-QUARTER DOZEN IN A PACKAGE.

No. 0210—IX, 8½x12½ in., japanned, Quaker pattern, w't per doz. 12 lbs., per dozen .....**AAJ** $2.25

No. 210—XXX, 8½x12½ in., heavy Quaker, japanned, half covered, turned edges, w't per doz. 16 lbs., per dozen .....**BFJ** $5.50

ONE-THIRD DOZEN IN A PACKAGE.



No. 3—Japanned covered pan, twisted wire handle, w't per doz. 23 lbs., per dozen .....**BGJ** $4.00

No stooping. Suspended by handle it serves as a wall pocket catch-all.

ONE DOZEN IN A CRATE.

No. 4—"Her Ideal," 7½x12 in., japanned, smooth steel, 23 in. wire handle and foot clamp, w't per doz. 12 lbs., per dozen .....**BGJ** $3.90

The foot clip is the feature. It binds the edge to the floor and holds the pan, allowing both hands to work the broom.

ONE DOZEN IN A CARTON.

CRUMB PANS AND BRUSHES.



No. 1—6x9¼ in., assorted colors, black tampico brush, w't per doz. 5 lbs., per dozen .....**BJE** $4.50

ONE IN A PACKAGE.

OVAL TEA TRAYS.



Black Japanned, Gilt Striped.

Nos.	012	014	016	018
Length, in...	12	14	16	18
W't per doz., lbs.	4	5	7	10
Per dozen	$1.40	1.60	2.00	2.50
	JFJ	**JGJ**	**JIJ**	**AAJ**

ONE-HALF DOZEN IN A PACKAGE.



Black Japanned, Gilt Leaf Design.

No. 395—In..	12	14	16	18
W't per doz., lbs.	5	6	7	11
Per dozen	$2.00	2.25	2.50	3.00
	JHJ	**JIE**	**ABJ**	**AEJ**

No. 395—In.	20	22	24	26
W't per doz., lbs.	15	17	24	25
Per dozen	$4.00	4.25	6.00	7.50
	AHJ	**BAJ**	**BEJ**	**CCJ**

ONE-QUARTER DOZEN IN A PACKAGE.



Extra Heavy Japanned.	Hotel,	Plain	Black
No. 54—Inches	20	22	24
W't, doz., lbs.	30	43	49
Per dozen	$8.00	10.00	12.50
	BIE	**JCHJ**	**JDHJ**

No. 54—Inches	26	28
W't per doz., lbs.	64	76
Per dozen	$15.50	20.00
	JEBJ	**JGDJ**

WRAPPED SEPARATELY IN PAPER.

CHILDREN'S TRAYS.



No. 900—Etched tin, 13½x10½ in. oblong, with removable wire clip for attaching to table, w't per doz. 7½ lbs., per dozen .....**BCE** $3.85

ONE-QUARTER DOZEN IN A PACKAGE.

TRAYS.



No. 013—Tin, 13 in., round, polished, embossed, w't per doz. 6 lbs., per dozen .....**JGJ** $1.25



No. 13—13 in., polished and etched tin, w't per doz. 6 lbs., per dozen .....**JIJ** $2.00



No. 00—16x13 in., oval, handsomely lithographed in ten colors, per dozen .....**BEJ** $5.00

These trays are made up in four very artistic patterns which are numbered 15—Child, 16—Maiden, 17—Flowers, 18—Fruit, respectively. When ordering, designate which numbers are wanted, otherwise assortments will be sent.

ONE DOZEN IN A PACKAGE.

CUSPIDORS.



No. 14. No. 24.

No. 14—Pressed steel, japanned in colors, white inside, self-righting, diameter of top 8 in., height 5 in., w't per doz. 40 lbs, per dozen **DHJ** $8.25

No. 24—Heavy pressed steel, self-righting, japanned in colors outside, white porcelain inside, 9 in. broad top, 5 in. high, w't per doz. 55 lbs., per dozen .....**JGHJ** $12.00

ONE DOZEN IN A CRATE.



No. 44—Heavy pressed steel, indestructible, 10⅝ in. top, 4½ in. high, japanned in colors outside, white porcelain inside, w't per doz. 83 lbs., per dozen .....**AJEJ** $18.00

ONE DOZEN IN A CRATE.



Nos 30 and 40. No. 4.

No. 30—Japanned tin, assorted colors and striped, diameter of top 7 in., height 3⅜ in., w't per doz. 4½ lbs., per dozen .....**JHJ** $1.70

No. 40—Japanned tin, assorted colors and striped, diameter of top 8¼ in., height 5¼ in., w't per doz. 7 lbs., per dozen .....**ABE** $3.00

ONE-QUARTER DOZEN IN A PACKAGE.

No. 4—Cast, broad top, painted and striped, self-righting, porcelain lined, diameter of top 9½ in., height 6 in., w't per doz. 80 lbs., per dozen .....**JEDE** $10.00

ONE-HALF DOZEN IN A CRATE.



Nos. 11 and 350. No. 13.

No. 11—Planished tin, plain, diam. of top 7½ in., height 4 in., w't per doz. 6 lbs.....per dozen **AJJ** $2.25

ONE-HALF DOZEN IN A PACKAGE.

No. 13—Nickel plated tin, 7½ in. diam., 5 in. high, fluted body, loaded bottom, w't per doz., 9 lbs., per dozen .....**BAJ** $3.75

No. 350—Nickel plated plain tin, loaded bottom, 9⅝ in. diam., 5¾ in. high, w't per doz. 17 lbs., per dozen .....**CFJ** $9.00

WRAPPED SEPARATELY.



Nos. 1001 and 1002. No. 1218.

No. 1001—Pullman, nickel plated tin, diameter of top 5⅝ in., diameter of base 7½ lbs., height 3⅝ in., w't per doz. 10½ lbs., per dozen **CEE** $6.00

No. 1002—Pullman, nickel plated brass, w't per doz. 10½ lbs., otherwise same as No. 1001, per dozen **AJHJ** $15.00

No. 1218—Heavy polished brass, solid iron lined, heavy loose cover, diameter 10⅝ in., height 4¼ in., w't per doz. 135 lbs....per dozen **BBBJ** $42.00

For hotels, saloons, club houses or public buildings. Will not jam or break.

WRAPPED SEPARATELY.



No. 16. Nos. 404 and 505.

No. 16—Plain nickel plated brass, 8 in. diam., 4½ in. high, loaded bottom, w't per doz. 17 lbs...per dozen **FFJ** $9.00

No. 404—Polished brass, 7¼ in. by 5¼ in. with 3½ in. opening, loaded bottom, w't per doz. 18 lbs., per dozen .....**JICJ** $15.00

No. 505—Nickel plated brass, 7¾ in. by 5¼ in., with 3½ in. opening, loaded bottom, w't per doz. 20 lbs., per dozen .....**JICJ** $15.00

ONE IN A BOX.



No. 1226—Brass, highly polished, heavily weighted bottom, self-righting, diameter 11 in., height 6⅞ in., w't per doz. 77 lbs. .....per dozen **AIHJ** $36.00

Suitable for halls, hotels or club rooms.

WRAPPED SEPARATELY.



Sanitary.

No. 1219—Polished spun brass removable jacket, 5¼ in. diam. by 4¾ in., enameled raised round bottom receptacle, 8½x4½ in., w't per doz. 50 lbs., per dozen .....**AHJJ** $33.00

Jacket polished 20 gauge solid brass. Container germ proof, vitrous enamel, perfectly cleanable, with ball center obscuring contents and preventing billiard balls or any article dropped from falling into the filth.

WRAPPED SEPARATELY.



No. 1225. No. 1220.

No. 1225—Polished, solid spun brass, loaded, self-righting, body 7 in. high 7 in. wide, 6⅛ in. top, 3½ in. wide opening, w't per doz. 30 lbs., per dozen .....**JIJJ** $15.00

No. 1220—Brass, highly polished, very heavily weighted bottom, self-righting, diameter top 8 in., height 12 in., w't per doz. 66 lbs., per dozen .....**BCEJ** $48.00

No. 1221—14½ in. tall polished solid brass, self-righting loaded bottom cuspidors, large size pattern No. 1220, w't per doz. 150 lbs., per dozen .....**CBDJ** $54.00

ONE IN A FIBRE SHIPPING CASE.



No. 1228—Heavy polished brass, heavy 9 in. cast false bottom, 8 in. high, w't per doz. 66 lbs., per doz. **BAFJ** $45.00

ONE IN A FIBRE SHIPPING CASE.

CUSPIDOR MATS.



No. 4—18 in., round, rubber, w't per doz. 18 lbs. .....per dozen **CFJ** $6.00

CREAM SEPARATORS AND STANDS.

SIMPLEX SEPARATORS.



Single Can, Dilution Type, XXXX Bright Tin, Concave Bottom Slanting to Outlet to Drain Completely, Concealed Straightway Faucet Readily Cleaned and Cannot Be Knocked Off, Two Gauges, Reversible Combination Ventilating Cover and Strainer, Strainer Removable.

Nos.	206	208	210	212
Milk capacity, gal.	5½	7½	9½	11
Sizes, in.	15x20	15x23	15x27	15x30
W't crated, lbs.	16	16½	18½	24
Each	$4.00	4.50	5.00	5.50
	BGJ	BHJ	CJJ	CBE

DIRECTIONS—Set in cool place on bench or shelf high enough for pail to go under and extended over edge of bench so faucet will clear; pour fresh milk through reversed cover, add like amount of cold water or ice, in cold weather less water answers. When separation is complete (after two or three hours) first draw skim milk, then the cream, after which scald and sun-sweeten for next milking.

Nature's way, with only pure water added.

(Actual capacity is double milk capacity shown.)

ONE IN A CRATE.

SIMPLEX SEPARATOR STANDS.

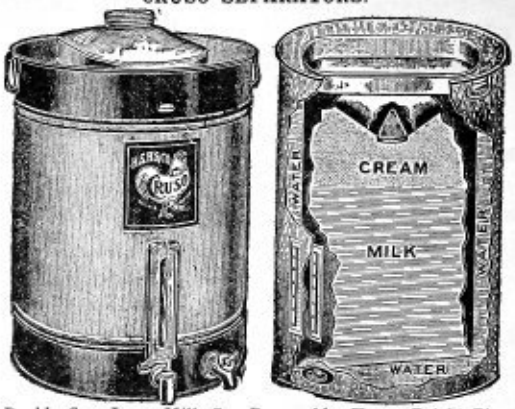


Japanned Steel.

No. 201—18 in. high, for mounting Simplex separators, legs of ⅜ in. twisted steel rod and bolted to top rim, w't 8 lbs., each .....stand only **AAJ** $2.00

ONE IN A BUNDLE KNOCKED DOWN.

CRUSO SEPARATORS.



Double Can Inner Milk Can Removable, Heavy Bright Tin Painted Water Side, Slanting Bottom, Draining Completely, Reversible Combination Cover and Strainer, the Cone Strainer Removable.

Nos.	6	8	9	10
Milk capacity, gal.	6	8	11	13
W't crated, lbs.	28	31	35	39
Each	$5.00	5.50	6.50	7.50
	CDJ	CIJ	DBJ	DEJ



No. 53—Galvanized iron water tank, containing two 4½ gal. removable oval tin milk cans, and 1—3 gal. round cream storage can, w't crated 52 lbs. .....each **JHBJ** $13.00



Double Can, Accommodates Two Milkings, Galvanized Iron Outer Can, Two Oval Inner Cans of Heavy Bright Tin, Painted on Water Side, Concave Perfectly Draining Bottom, Milk Cans Removable by Unscrewing Faucet, Concealed Faucet not Easily Knocked Off, Reversible Strainer and Ventilating Covers.

Nos.	305	308	310
Milk capacity, gal.	9	15	19
W't crated, lbs.	33½	40	45½
Each	$9.00	9.50	10.00
	FGE	GAJ	JGDJ

DIRECTIONS FOR ALL ABOVE:—Set where it will not be disturbed; pour milk into inner can through reversed cover, cold water into outer can (colder the better), water may run continually. When cream has all raised, draw off skimmed milk, then the cream, scalding and sunning inner can for next milking.

ALL NOS. ONE IN A CRATE.

DAIRY GOODS.

MILKING TUBES.



No. SR—2½ in. self-retaining nickel plated metal, w't per doz. 2 oz., per dozen .....**BDJ** $4.00
ONE DOZEN IN A BOX.

No. SRA—Assorted ¼ doz., 2 in., ½ doz. 2½ in. and ¼ doz. 3 in., w't per doz. 2 oz. .....per dozen **BAE** $4.00
ONE DOZEN ASSORTED IN A BOX. WE DO NOT BREAK ASSORTMENTS.

MILK TESTING OUTFITS.



No. 22—Facile Jr. Babcock, 2 bottle tester, w't each 9 lbs., each .....**DAE** $7.00

No. 24—Facile Jr. Babcock, 4 bottle, w't each 14 lbs. .....each **EAJ** $9.25

Including full milk test bottles, pipette for measuring milk or cream, acid measure, test bottle brush and directions. This tester has cut steel encased gears, deep, seamless detachable brass swinging bottle pockets, tinned malleable iron head. Attaches to table or bench with thumb screw. Well made, smooth running.

(Sulphuric acid not included.)

ONE IN A BOX, PACKED COMPLETE.



No. 46—Facile Encased Babcock, 6 bottle, w't each 63 lbs., each .....**JIJJ** $15.00

No. 48—8 bottle whirler for Babcock test, w't each 70 lbs., each .....**AJBJ** $17.00

Cast iron case with cover, cut spur and worm gear, malleable iron bottle carrier, seamless brass swinging pockets, enclosed gearing, turns easy, high speed, noiseless. Includes milk test bottles, pipette, acid measure, and bottle brush.

ONE IN A BOX, COMPLETE.

MILK TESTING GLASSWARE.



No. 1. No. 5. No. 16. No. 26.

No. 1—Graduated Babcock, full milk test bottles, w't per doz. 1 lb., per dozen .....**ADJ** $2.50

No. 5—Graduated Babcock cream test bottles, w't per doz. 1 lb., per dozen .....**AHJ** $3.00
No. 5 is graduated 50%.
ONE DOZEN IN A BOX.

No. 16—Graduated double neck skim milk test bottles, w't per doz. 1½ lbs., per dozen .....**FJJ** $8.00
ONE IN A CARTON.

No. 26—Acid measures, w't per doz. ½ lb. .....per dozen **JIJ** $2.00
ONE DOZEN IN A BOX.

PIPETTES.



No. 21—Graduated pipettes for milk or cream, w't per doz. 1¼ lbs., per dozen .....**ADJ** $3.00
ONE IN A TUBE.

WYANDOTTE DAIRY CLEANER AND CLEANSER.



Sold only in cases and barrels.
For All Kinds of Dairy and Domestic Cleaning.

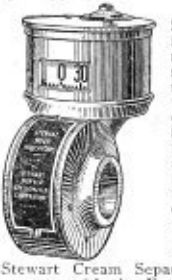
*Cases of twenty-four 5-lb. sacks, per case .....**EDJ** $9.50
Barrels of fifty 5-lb. sacks only, per barrel .....**AJBJ** $12.50

Wyandotte Dairyman's Cleaner and Cleanser is a scientific powder cleaner, free from all organic matter, caustic, lye, acid, poison or preservatives. It is made expressly for cleaning and sweetening milk pails, strainers, separators, cans, churns, etc. It works in perfect harmony with milk. It dissolves and easily and quickly removes all deposits which form on milk and dairy utensils without leaving any harmful after-effect in the utensils to be absorbed by the milk and injure the quality. Its use throughout the household is also strongly recommended.

SHIPPED FROM CHICAGO STOCK OR FROM VARIOUS STORE-HOUSES IN ALL PRINCIPAL CITIES OF U. S. AND CANADA.

STEWART SPEED INDICATOR FOR CENTRIFUGAL CREAM SEPARATORS.

Cream is wasted by any separator when turned too fast or too slow. Guessing at the number of turns per minute is very expensive. A reliable speed indicator on any cream separator is an excellent investment, more than paying for itself in a very short time by stopping astonishing waste.



The Stewart Speed Indicator is fitted to and furnished with extra shaft for cream separator for which it is ordered. In ordering it is therefore necessary to always give the name and size number or letter of cream separator to which speed indicator is to be attached.

Stewart Cream Separator Speed Indicator with the Extra Crank Shaft Required.

No. 200—For all makes of cream separators operated by hand—except below—w't 2 to 5 lbs. according to size of shaft required.....each **JIJJ** $10.00

No. 200-A—For De Laval, 4, 5, 10 and 12 with clutch on shaft, each .....**JIJJ** $10.00

No. 200-B—For De Laval 15, 17 and 22 with clutch on shaft, serial number above one million, each **JIJJ** $10.00

No. 200-C—For De Laval 15, 17 and 22 with clutch on bowl spindle, serial number under one million, each .....**JIJJ** $10.00

These high grade instruments embody the same principle and design of the high priced indicators used on automobiles. The dial reads from 30 up to the maximum number of turns of any separator. If the crank is to be turned 55 times per minute, it is only necessary to watch the indicator and operate the crank to keep the number 55 directly opposite the pointer.

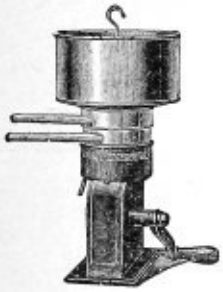
Special Pattern Speedometer is Required for Power Separators, Quoted on Application.

MILK TESTING BOOK.



No. 1914—Cloth bound, volume 5x8 in. 300 pages, by Farrington and Woll, authorities at the Wisconsin Agricultural College, Madison, Wis., devoted to all the different branches of the industry and presnted in such attractive form as will be interesting to anyone engaged in dairying, each **ABJ** $1.25

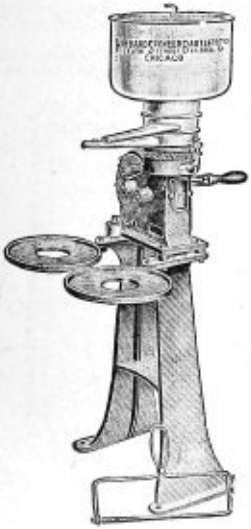
IMPROVED DOMO CREAM SEPARATORS.



No. A.



Nos. 11 and 12, Without Stand.



Nos. 11 and 12, Mounted on Stand.

AN UNEXCELLED SKIMMER, PERFECTLY CLEANABLE, POPULAR PRICED.

A Variety of Sizes Suited to Use With One or Many.

DOMO'S success is attested by the hundreds of Agents in every part of the United States, participating in the distribution of the thousands put into service during past seasons in competition with the best Separators made the world over. Every DOMO was placed by a regular established merchant.

DOMO is most substantially built, as examination will show and as proven in service, of the very best materials suited to its various parts, all thoroughly well finished. The Domo will render the best of service indefinitely with proper care.

DOMO'S loose, overhung, self-balancing, small, all pressed steel bowl, with gears running in a constant oil bath and with bronze brushed bearings insures the smoothest, easiest running.

DOMO'S bowl is most simple and compact as made of fewest parts possible to cleanest skimming, is quickly and completely taken apart to clean as perfectly as a china plate and as readily re-assembled, features of the utmost importance in its daily use.

DOMO'S unexcelled skimming which is of first importance, combined with its superior construction, accounts for its most satisfactory service and the success it enjoys.

DOMO'S bowl discs are mixable, but best skimming results from keeping the discs in the same order after it is put into service. It will also skim cool milk, which, however, is discouraged as a wasteful practice.

Kept in condition and handled according to DIRECTIONS, DOMO pays for itself in a short time in the extra cream it takes out of the milk, skimming so perfectly that less than 3-100ths of 1% of fat remains in the skimmed milk, an amount imperceptible except by Babcock test.

DOMO is most handy in consequence of its compactness and simplicity, yet it has the capacity of larger, heavier separators, and excepting the small "A" size, has oil bathed gears as illustrated Fig. 1, and with its small, light, highly efficient, loose overhung self-balancing bowl—Fig. 2—and bronze bushed bearings is easiest running.

Substantially durable, smooth running and perfectly cleanable, of utmost simplicity, handy and easy to operate and care for, with a range of sizes suited to use with one cow or many, and with all popular priced, DOMO provides a separator for every cow keeper and user of cream.

IMPORTANT.

Every DOMO, when carefully set up so it runs smooth will skim perfectly if operated according to DIRECTIONS, kept in nice running condition and the bowl kept bright and sweet.

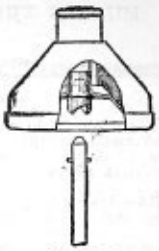
See description of DOMO'S details in DIRECTIONS packed with every separator.

RE-READ the DIRECTIONS until fully understood before attempting to set up and operate separator.

Always place the wood feet between gear case and stand or base. Make sure the separator stands level and solid as any shaking will prevent perfect skimming.

AVOID freezing the bowl and keep the bowl away from hot stove.

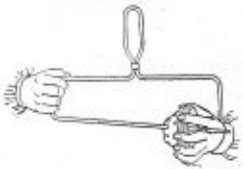
Always URGE the purchase of a separator somewhat larger than is needed, as a larger size skims small lots of milk equally clean or when required, the milk of more cows, or the increased quantity of milk when cows are fresh.



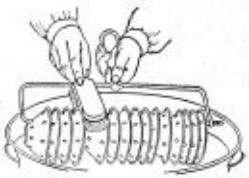
No. 2.



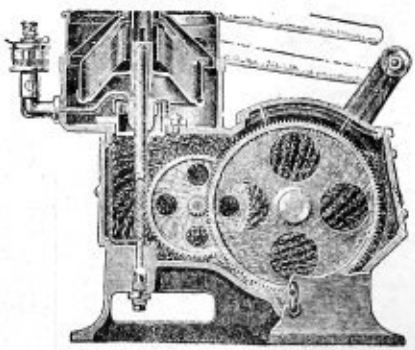
No. 3.



No. 4.



No. 5.



No. 1.



No. A



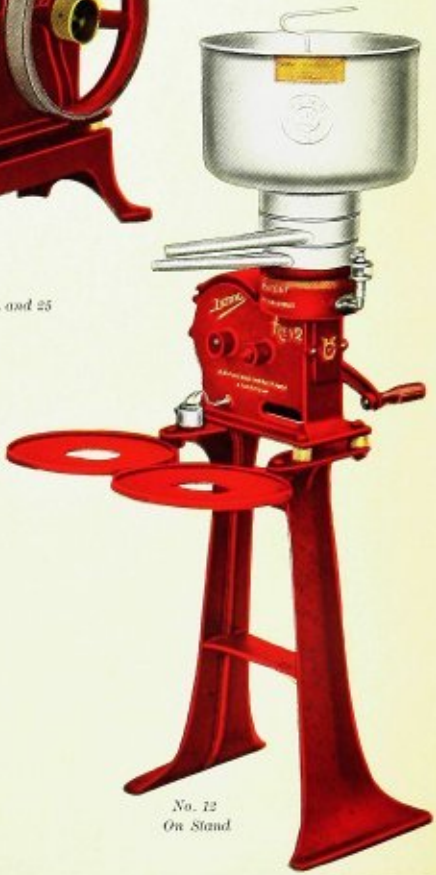
Nos. 23, 24 and 25



Nos. 11 and 12
Unmounted



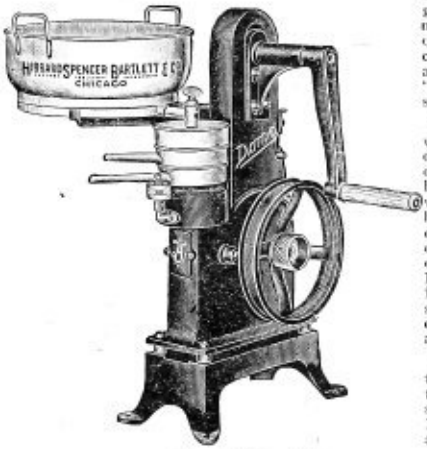
No. 13



No. 12
On Stand

For descriptions and prices see pages 862A and 862B.

DOMO CENTRIFUGAL CREAM SEPARATORS.

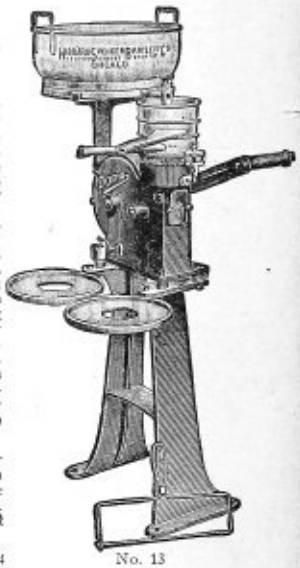


Nos. 23, 24 and 25.

The small "A" size, 10 in. x13 in. base and 16 in. tall—for Domestic use only—not more than two cows, has an open solid one-piece bowl convenient to operate and as readily cleaned as a milk bottle. This "A" size will get more cream than is possible by setting the milk, skimming a single cow's milk, 8 to 12 quarts in 10 to 15 minutes, and providing table cream sweet and strictly fresh a few minutes after milking for fruits, cereal and coffee. The "A" size is usually sold without stand, but the solid stand for No. 11 also mounts the "A."

The No. 11 and larger sizes are all equipped with the most efficient disced bowl previously described. Nos. 11 and 12 sizes may be mounted on a table or bench to operate successfully, but must stand solid to skim perfectly and not wiggle or vibrate in operation. Any vibration binders skimming the same as does shaking or stirring milk on which cream is rising. Only one-tenth of the No. 12 size are now sold without the stand and a larger portion of the No. 11 without stands. The No. 13 size is always furnished with stand, as required for best results, while the low models No. 23 and larger do not require stands but are equipped with a low foot as illustrated.

The low models No. 23 and larger, except for their chain drive to transmit the power from the crank to the low down gears, have the same arrangement of gears and bowl as the No. 13 model and smaller sizes, and are operated according to the same directions.



No. 13

For power the low models No. 23 and No. 24 are equipped with their lower gear wheel shaft extended outside the gear case to take a 12 in. belt pulley which is not included regularly with these sizes unless ordered, while the No. 25 has a 20 inch pulley included in its equipment. The pulley on lower shaft No. 23 must be rigged to turn 50 revolutions per minute and No. 24 and No. 25-45 revolutions per minute. When driven by the pulley the crank and chain of the low models hangs idle, cut out by the ratchet in the gears. With the No. 13 and No. 12 the pulley is substituted for the crank and must be rigged to turn the same number of revolutions as marked on the crank.

No. A—Domo,, capacity 90 lbs. per hour, w't boxed 35 lbs., without stand	each $15.00
No. 11—Domo, capacity 180 lbs., per hour, w't boxed 50 lbs., without stand	each 23.50
No. 12—Domo, capacity 300 lbs. per hour, w't boxed 70 lb.s., without stand	each 30.00
No. 13—Domo, capacity 450 lbs. per hour, w't boxed with solid stand, loose 155 lbs.	each 43.50
No. 23—Domo, low model, capacity 500 lbs. per hour, w't boxed 175 lbs., complete, without pulley	each 50.00
No. 24—Domo, low model, capacity 700 lbs. per hour, w't boxed 200 lbs., complete, without pulley	each 60.00
No. 25—Domo, low model, capacity 1000 lbs. per hour, w't boxed 240 lbs., complete, with pulley	each 75.00
Solid Stands, for Nos. 11—also mounts No. A—and 12 Domos, w't each 50 lbs., loose, extra	each 4.50
12 in. Ratchet Belt Pulley for Domos No. 12 and 13	each 2.75
12 in. Ratchet Belt Pulley for lower shaft Nos. 23 and 24	each 2.75

For list of seperate parts and details of operation, see DOMO DIRECTIONS with every separator.

ASK FOR DOMO PRINTED MATTER FOR DISTRIBUTION.

DOMO REPAIRS.

No. 25—Spiral Crank Ratchet Springs,

for Old Model Domos Nos.	A & 0	1, 2&3	4
Per dozen	$0.50	.60	.75
	CJ	CJ	CJ

No. 244—Spiral Crank Ratchet Springs

For Domos Nos.	11	12, 13&23	24	25
Per dozen	$0.50	.60	.75	.75
	CJ	CJ	CJ	CJ

No. 31—Flat Neck Bearing Springs

for Domos Nos.	A & 0	1 & 2	3 & 4
Per dozen	$0.60	.60	.75
	CE	CE	DE

No. 250—Flat Neck Bearing Springs

For Domos Nos.	11	12	13,23&24	25
Per dozen	$0.60	.60	.75	1.25
	CE	CE	DE	AAJ

No. 57—Bowl Rubber Rings, two sizes,

to fit Old Model Domos Nos.	0, 1&2	3 & 4
Each	$0.15	.15
	AJ	AJ

No. 274—Bowl Rubber Rings, four sizes,

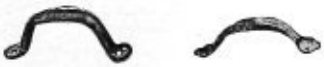
to fit Domos Nos.	11&12	13&23	24	25
Each	$0.15	.15	.15	.20
	AJ	AJ	AJ	AB

MILK CAN TRIMMINGS.

HANDLES.



No. 1.



No. 2. No. 20.

No. 1—Stamped tinned steel, 5½ in. spread, w't per single doz. 1¼ lbs., per single dozen.....**JEJ** $1.00
ONE DOZEN IN A PACKAGE.

No. 2—Stamped tinned steel, 5¼ in. spread, w't per single doz. 1 lb., per single dozen.....**DJ** $0.90

No. 20—Heavy steel, tinned, 5½ in. spread, w't per single doz. 2 lbs., per single dozen.....**JEJ** $1.10
PACKED LOOSE.

BREAST HANDLES.



No. 3. No. 30.

No. 3—Stamped tinned steel, 6½ in. spread, w't per doz. prs. 5 lbs., per dozen pairs.....**AJJ** $2.00

No. 30—Malleable iron, tinned, 6½ in. spread, w't per doz. prs. 11 lbs., per dozen pairs.....**AFJ** $3.00



No. 5—All tubular, tinned steel, 7¾ in. spread, w't per doz. prs. 10 lbs., per dozen pairs .....**AGE** $3.50

FACTORY MILK CAN SIDE HANDLES.



No. 121—Tinned all steel, 3x3 in. clip with stop drop lifting handle, 3½ in. swelled grip, w't per doz. prs. 125 lbs., per dozen pairs.....**BGJ** $5.00
PACKED LOOSE.

MILK STIRRERS.



No. 155—Tinned, length over all 24 in., 5¼ in. dished steel dasher lipped, ¾ in., steel handle rod, w't per doz. 8 lbs.....per dozen **BGJ** $4.50
ONE-HALF DOZEN IN A BUNDLE.



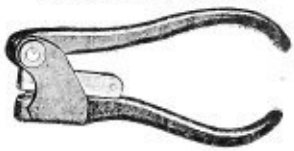
No. 157—Tinned wrought steel conical milk stirrer, with long wrought hook handle, w't per doz. 12 lbs., per dozen .....**CJJ** $5.00
PACKED LOOSE.

WIRE CAN SEALS.



No. 8—Lead seal, with 20 ga. plain steel wire, 6 in. long...per 1000 **AHJ** $2.50
ONE THOUSAND IN A BOX.

CAN SEAL PINCERS.



Can Seal Pincers, wrought steel, for setting above seals, to order with initial.....per dozen **BDJJ** $36.00

MILK CAN LINKS AND WASHERS.



Links. Washers.

No. 29—Links, tinned, malleable iron, for attaching cover to can, w't per doz. ⅝ lb.....per dozen **BE** $0.50
No. 27—Tinned washers, ⅜ in. hole, put up in 1 lb. boxes of about 300, per pound .....**AH** $0.25
ONE POUND IN A BOX.

LETTERS AND FIGURES.



1¾ in., brass, letters A to Z, including & and figures 0 to 9 inclusive, per hundred .....**JFE** $1.75
1¾ in., copper, tinned back, per hundred .....**JGJ** $1.30
FIFTY IN A BUNDLE.

CAN GAUGES.



6 in., tin frame, glass face, w't per hundred 16 lbs.....per 100 **CIJ** $7.00
8 in., tin frame, glass face, w't per hundred 18 lbs.....per 100 **DFJ** $8.00
ONE HUNDRED IN A BOX.

EXTRA DEEP SETTER COVERS.



No. 4—8½ in., w't per gro. 42 lbs., per gross .....**JEDJ** $11.00
ONE DOZEN IN A PACKAGE.

SETTER CAN BOTTOMS.



8½ in., IX tin, w't per gro. 42 lbs., per gross .....**JEJE** $10.00
8½ in., XX tin, w't per gro. 48 lbs., per gross .....**JEGE** $11.00
8½ in., XXX tin, w't per gro. 54 lbs., per gross .....**JFCJ** $13.00
ONE DOZEN IN A PACKAGE.

R. R. MILK CAN COVERS.



Regular. Sanitary.

Regular, seamless one piece as supplied regularly with our cans, Nos. 205, 208, 210 and 305 to 810 inclusive, w't per doz. 15 lbs.....per dozen **CIJ** $5.00
Sanitary, flush bottom, seamless one piece substituted on above cans for "Regular" when so specified without extra charge, w't per doz. 16 lbs., per dozen .....**CIJ** $5.00



Umbrella, w't per doz. 28½ lbs., per dozen .....**EGJ** $6.00
Umbrella, substituted on above mentioned numbers of cans when so specified, extra per dozen $2.50.
These cuts have been broken to show construction.

R. R. MILK CAN BOTTOMS.



Heavy Tinned Steel as Used on Our Nos. 205, 208, 210 and 305 to 810 Cans Inclusive.
For 5 gal. cans...per dozen **BFJ** $5.25
For 8 and 10 gal. cans, per dozen .....**DJJ** $7.25
PACKED LOOSE.

MILK CANS.

ELGIN PATTERN.



COMPETITION.
All Tubular Handles, Regular Pattern Cover, Seamless One Piece Bowl and Neck, Seamless Breast, Strong Breast Hoops, Bottom Hoop Inside with Flush Flange at Bottom on Which Body and Bottom Rest, all Retinned.

Nos.	105	108	110
Capacity, gal..	5	8	10
W't each, lbs..	12	14	17
Per dozen	$23.00	26.00	28.00
	BAJJ	BCGJ	BDIJ

A good general purpose can.

IOWA PATTERN.



EXTRA QUALITY COMPETITION.
All Tubular Handles, Regular Pattern One Piece Cover, Seamless One Piece Bowl and Neck, Seamless Breast, Stout Breast Hoop and Strong Outside Bottom Hoop, Extra Well Made and Retinned for a Can in this Grade.

Nos.	205	208	210
Capacity, gal..	5	8	10
W't each, lbs..	12	15	17
Per dozen	$24.00	27.00	29.00
	BACJ	BDJJ	BEBJ

No. 1205—5 gal., light Iowa carrying can, bailed with wood grip, otherwise same as No. 205, w't each 12 lbs., per dozen ..... **BEBJ** $27.00

PACIFIC R R. CANS.



Extra Heavy and Retinned, Solid Plug Covers, Brass Chains.

Nos.	102	103
Capacity, gal.	2	3
W't each, lbs.	7½	8
Per dozen	$18.00	20.00
	AHJJ	AIAJ

ELGIN PATTERN. EXTRA QUALITY.



THE BEST IN CANS.
Heavy all Tubular Handles, Regular Pattern, Seamless Covers, Heaviest Welded Breast and Bottom Hoops, Bottom Hoops Have Flange Flush With Outside of Can—Except No. 305—on Which Bottom and Sides Rest, all Thoroughly Well Retinned and Soldered.

For General Purpose, Medium Weight.

Nos.	305	308	310
Capacity, gal..	5	8	10
W't each, lbs..	12	15	17
Per dozen	$25.00	28.00	30.00
	BACJ	BDJJ	BEBJ

Heavy Hard Service Can.

Nos.	408	410
Capacity, gal.	8	10
W't each, lbs.	19	20
Per dozen	$30.00	33.00
	BFDJ	BHHJ

Extra Heavy R. R. Shipping Can.

Nos.	808	810
Capacity, gal.	8	10
W't each, lbs.	21	23
Per dozen	$32.00	35.00
	BHHJ	CABJ

No. 888M Narrow, 8 gal., malleable handles, made to ride three abreast in ordinary wagon box, otherwise same as No. 808.....per dozen **BHHJ** $32.00

Nos. 408 and 808 can be supplied with malleable handles when specified without extra charge.

Nos. 305 to 810, inclusive, and Nos. 205 to 210 fitted with patent regular seamless covers—see page 863—will be fitted with sanitary covers when so specified without extra charge.

Umbrella Covers, can be fitted to Nos. 305 to 810, also Nos. 205, 208 and 210, extra .....per dozen **AEJ** $2.50

ROYAL.



Highest Quality Cheese Factory Milk Cans, Stationary Top Cover, Body Swaged to Stop Slopping.

Nos.	320	330	340
Capacity, gal..	20	30	40
W't each, lbs..	29	33	40
Each .....$9.50★	11.50★	13.50★	
	EGJ	JFIJ	JHAJ

K. D. stock $2.00 less per set.
F. O. B. Detroit, Mich.

★*FOR FACTORY SHIPMENT ONLY.*

HEAVY MILK CANS.



The Bottom is the Feature of this Can, Made of Heaviest Materials, as Shown by its Weight Without the Usual Heavy Bottom Hoop, the Bottom and Sides are Rolled Around a Solid Bottom Rod and Flooded with Solder, Has a Double Neck and is Thoroughly Retinned.

Nos.	750	780	781
Capacity, gal..	5	8	10
W't, each, lbs.	14	19	21
Per dozen	$28.00	32.00	36.00
	BDIJ	BGCJ	BHEJ

FACTORY MILK CANS.



Milwaukee Pattern.

Wisconsin Pattern.

MILWAUKEE PATTERN.
Floating Seamless Cover, Tin Body, Solid Hoops.

Nos.	115	120	130
Capacity, gal..	15	20	30
W't each, lbs..	25	30	35
Each .....$4.50★	5.00★	5.75★	
	CFJ	CIJ	DEJ

WISCONSIN PATTERN.
Stationary Ventilating Cover, Tin Body, Solid Hoops.

Nos.	215	220	230
Capacity, gal..	15	20	30
W't each, lbs..	25	30	35
Each .....$4.50★	5.00★	5.75★	
	CFJ	CIJ	DEJ

DAIRY TINWARE.

PEDDLERS' MILK KETTLES.



IXXX Tin, Polished Brass Bail, Spout Tip and Bands.

Nos.	73	75
Quarts	8	10
W't per doz., lbs.	57	60
Per dozen	$40.00	45.00
	AHGJ	BBCJ

MILK KETTLES.



IC Tin, with Bail.

Nos.	11	12	13	14
Quarts	1	2	3	4
W't, doz., lbs.	5½	8	10	11
Per dozen	$2.00	2.75	3.50	4.50
	AJJ	ACJ	BAJ	BBJ

IX Tin, with Bail.

Nos.	26	28
Quarts	6	8
W't per doz., lbs.	16	18
Per dozen	$7.00	8.50
	CHE	DHJ

NOS. 11 AND 12, ONE DOZEN IN A PACKAGE; BALANCE, ONE DOZEN IN A CRATE.



With Side Handle.

Nos.	04	08
Quarts	4-IC	8-IX
W't per doz., lbs.	12	22
Per dozen	$4.50	10.50
	BBJ	JDHJ

ONE DOZEN IN A CRATE.

MILK KETTLES.



IXXX Polished, Heavy Inset Bottom Hoop, with Heavy Bail and Ears.

Quarts	2	3	4
W't, doz., lbs.	17	21	25
Per dozen	$8.00	10.00	12.50
	EJJ	JFBJ	JGBJ
Quarts	6	8	10
W't, doz., lbs.	30	39	41
Per dozen	$15.00	17.50	19.50
	JHDJ	JIIJ	AAGJ
Quarts	12	20	
W't, doz., lbs.	43	65	
Per dozen	$30.00	36.00	
	ADDJ	AGDJ	



IXXX Polished, Heavy Inset Bottom Hoop, with Side Handle.

Quarts	2-SH	4-SH
W't per doz., lbs.	17	25
Per dozen	$8.00	12.50
	EJJ	JGBJ
Quarts	6-SH	8-SH
W't per doz., lbs.	30	39
Per dozen	$15.00	17.50
	JHDJ	JIIJ

LOOSE.

WELL MILK COOLERS.



IC Tin, 4 in. Screw Top.

Nos.	4	6	8
Quarts	4	6	8
W't, doz., lbs.	14	16	22
Per dozen	$4.50	5.00	5.50
	BEJ	BIJ	CFJ

ONE DOZEN IN A CRATE.

SETTER CANS.



XXX Heavy Coated Charcoal Tin, and Deep Retinned Cover, Heavy Steel Ears.

Quarts	14	20
W't per doz., lbs.	45	57
Per dozen	$10.00	12.00
	JEGE	JFFJ

EACH PAPER WRAPPED. ONE-HALF DOZEN IN A CRATE.



IX Tin, with Deep Cover.

Quarts	11	14	20
W't, doz., lbs.	40	42	54
Per dozen	$4.40	6.50	8.00
	BGJ	CJJ	CFJ

ONE-HALF DOZEN IN A CRATE. WE DO NOT BREAK CRATES.

CREAM CARRYING CANS.



Bright IX Tin, Handled Cover with Deep Rim Inside.

Quarts	14	20
W't, doz., crated, lbs.	45	55
Per dozen	$6.00	6.75
	CFJ	DJJ

ONE-HALF DOZEN IN A CRATE.

TIN PAILS.

DAIRY PAILS.



Competition IX, Tinned Steel Ears.

Quarts	010	012	014
W't, doz. crated, lbs.	25	28	30
Per dozen	$2.25	2.50	2.75
	BDJ	BEJ	BGJ

ONE DOZEN IN A CRATE.



CRUSO, XX Tin, Heavy Steel Ears with Rivets Soldered Inside, Heavy Tinned Bail, with Large Wood.

Quarts	10	12	14
W't doz. crated, lbs.	32	34	37
Per dozen	$3.00	3.50	4.00
	BEJ	BHJ	CCJ

These pails show particularly big value.

ONE DOZEN IN A CRATE.



JERSEY, 4 Rivet Ears, Soldered Inside, Heavy Tinned Bail.

Quarts	12	14	16
W't doz. crated, lbs.	46	50	53
Per dozen	$5.00	5.50	10.00
	DCJ	EJE	JEGE

Specify wood grip when desired.

ONE DOZEN IN A CRATE.

STRAINER PAILS.



IXX Tin, Removable Strainer.

Nos.	510	512	514
Quarts	10	12	14
W't, per doz., loose, lbs.	28	30	34
Per dozen	$5.50	6.00	6.50
	DFJ	EJE	EFE

LOOSE.

TIN PAILS.
STRAINER PAILS.



IX Tin, Dairy Shape, Round Lip and Strainer.

Nos.	612	614
Quarts	12	14
W't per doz. crated, lbs.	40	50
Per dozen	$4.50	5.25
	DCJ	DHJ

ONE-HALF DOZEN IN A CRATE.



SPECIAL XX Tin, with Back Handle, Heavy Steel Ears with Rivets Soldered Inside, Tinned Bail, with Large Wood, Square Lip with Brass Strainer Cloth.

Nos.	912	914
Quarts	12	14
W't per doz. crated, lbs.	85	90
Per dozen	$8.50	9.00
	EDJ	FJJ

These pails show particularly big value.

ONE-HALF DOZEN IN A CRATE.

FLARING PAILS.



IC Tin, Wood Grip.

Nos.	6	8	10	12
Actual capacity, quarts	4	6	8	10
W't per half gro. crated, lbs.	58	74	80	86
Per dozen	$1.25	1.50	1.75	2.00
	AJJ	AAE	ABJ	AEE

Competition Flaring Pails are sold undersize; when full size is wanted, order next larger size.

ONE-HALF GROSS IN A CRATE.

SAP PAILS.

10 Quart—IC flaring, w't per doz. 12 lbs., per dozen ..... AAE $1.50

Sap pails are without bail and have hole for sap spout, otherwise same as flaring pails.

ONE GROSS IN A CRATE.

DAIRY PAILS.



XX, Extra Coated Charcoal, Sanitary Double Soldered Inside and Outside Including Wiring Top and Bottom, Heavy Steel Ears Reinforced, Heavy Tinned Bail, Without Wood Grip.

Nos.	312	314	316
Quarts	12	14	16
W't, doz., lbs.	45	47	49
Per dozen	$11.00	12.00	13.00
	JFEJ	JGBJ	JGIJ

Specify wood grip when wanted, otherwise sent without.

No. 320—30 qt., XXXX 5A charcoal, wood grip bail, w't per doz. crated 70 lbs., per dozen JHFE $14.00

Not sanitary soldered.

WRAPPED IN PAPER, ONE DOZEN IN A CRATE.

STRAINER PAILS.



XX, Extra Coated Charcoal, Sanitary Double Soldered Inside and Outside, Including Wiring Top and Bottom, Heavy Steel Ears Reinforced, Heavy Tinned Bail Without Wood Grip.

Nos.	812	814
Quarts	12	14
W't per doz. crated, lbs.	85	100
Per dozen	$16.00	17.50
	AJAJ	AJHJ

ONE-HALF DOZEN IN A CRATE.

SANITARY MILKING PAILS.



OUR VERY BEST

XX Charcoal Tin with Solid Hood, Soldered Inside and Outside.

No. 715—15 quarts, w't per doz. crated, 50 lbs. .....per dozen ADDJ $25.00

ONE-QUARTER DOZEN IN A CRATE.

PIECED TINWARE.

HEAVY TIN DASHER CHURNS.

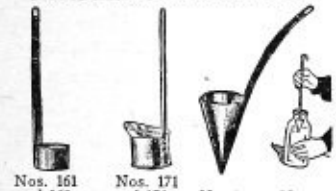


Heavy Tin with Perforated Funnel Shaped Tin Dasher with Wood Handle.

No. 33—3 gal. ...per dozen **ACBJ** $32.00
No. 44—4 gal. ...per dozen **ADDJ** 24.00

ONE-HALF DOZEN IN A CASE.

MILK AND CREAM DIPPERS.



Nos. 161 and 162. Nos. 171 and 172. No. 3. No. 84.

Heavy Polished, Riveted Straight Looped Handles, 22 in. Over All.

No. 161—Pint, w't per doz. 8¼ lbs., per dozen .....**CCJ** $5.50
No. 162—Quart, w't per doz. 13 lbs., per dozen .....**CFJ** $6.00
No. 171—Pint, side lipped, w't per doz. 8¼ lbs. .....per dozen **CIJ** $6.50
No. 172—Quart, side lipped, w't per doz. 13 lbs. .....per dozen **DEJ** $7.50
No. 3—Cream, IX tin, cone shape, 4x5⅞ in., w't per doz. 3 lbs., per dozen .....**JIE** $1.50
No. 84—Bottle Skimmer pieced tin, bowl 1¼x1¼ in., handle 5½ in., w't per doz. ¾ lb. .....per dozen **EJ** $0.60

LOOSE.

CAN STRAINERS.



No. 011—Can IC, 10½ in., retinned, stamped tin, brass cloth, w't per doz. 11 lbs. .....per dozen **CCJ** $6.00

ONE DOZEN IN A CRATE.

MILK STRAINERS.



No. 21. No. 33.

No. 21—10 in., retinned, stamped, brass cloth center, w't per doz. 5 lbs., per dozen .....**ADE** $2.70
No. 33—10½ in., retinned, stamped, brass cloth strainer, with hoop, w't per doz. 6½ lbs. .....per dozen **AGE** $3.50

ONE-HALF DOZEN IN A PACKAGE.

MILK STRAINERS.



No. 28—XXX seamless retinned, 10 in., brass cloth strainer and outside foot hoop for cloth, w't per doz. 21 lbs. .....per dozen **JEGJ** $12.00
No. 40—8¼ in. diameter, IC pieced tin, with 3½ in. brass cloth strainer with foot, w't per doz. 7 lbs., per dozen .....**BDJ** $3.75
No. 55—10 in. diameter, IX pieced tin, with 4½ in. brass cloth strainer and foot with tin hoop for cloth, w't per doz. 8 lbs. .....per dozen **CFJ** $6.00
No. 60—11½ in. diameter, XX pieced tin, with 4½ in. brass cloth strainer and foot with tin hoop for cloth, w't per doz. 22 lbs. .....per dozen **JGAJ** $12.00

ONE DOZEN IN A CRATE.



No. 87.

No. 87—Can XXX seamless, retinned, diam. 12 in., throat 5 in., fine brass strainer cloth and outside foot hoop for holding cloth, w't per doz. 36 lbs. .....per dozen **AAGJ** $25.00



No. 88—Double—Borden— pattern, 12 in., retinned, seamless, inset has solid bottom and brass cloth covered holes in sides only, the jacket has fine brass cloth in bottom, w't per doz. 57 lbs.....per dozen **AIBJ** $32.00
This is the prescribed pattern for inspected dairies.



No. 47—Friberg's, XX tin, solid bottom retains dirt, milk escapes through strainers on side of throat, diam. 10 in., height 7½ in., throat 4½ in., w't crated per doz. 25 lbs., per dozen .....**JGBJ** $12.00

ONE DOZEN IN A CRATE.

MILK STRAINERS.



Nos. 7 to 12. No. 010.

IC Pieced Tin, Brass Cloth Center.

Nos.	7	10	12
Diam., in.	8	10	11
W't per doz., lbs.	4	6	8
Per dozen	$1.75	2.00	2.50
	JHE	**AJE**	**ADJ**

No. 010—10 in., IC pieced tin, all of bottom brass cloth, w't per doz. 6 lbs., per dozen .....**AFJ** $3.00

ONE DOZEN IN A PACKAGE.

MILK COOLERS.



No. 22—18 qt. milk tank, 1 to 25 cows, accommodating 3 milkers, bright, heavy tin, diam. base 23 in., height 25 in., w't crtd. 30 lbs., each **CEE** $7.00
No. 33—34 qt., 25 to 50 cows, 5 milkers, diam. of base 26 in., height 26 in., w't crtd. 37½ lbs.....each **DCJ** $9.00
No. 44—50 qt., 50 to 100 cows, 8 milkers, diam. of base 29 in., height 26 in., w't crtd. 40 lbs., each **JEDJ** $11.00

ONE IN A CRATE.

MILK BOTTLES AND CAPS.

BOTTLES.



ONE-HALF PINT, ONE GROSS; BALANCE ONE-HALF GROSS IN A CRATE AVOID BREAKING CRATES.



BOTTLES.

Plain Heavy Clear Glass, Standard Full Weight and Capacity.

Pints	½	1	2
W't, gro., lbs.	110	165	250
Per dozen	$0.80	.90	1.20
	EJ	**EE**	**JHJ**

Strictly F. O. B. Chicago.

CAPS.

Standard Wood Pulp, Waxed.

No. 62—In boxes of 1 M—less quantity not sold—w't per M 1½ lbs., per M .....**CJ** $0.50
No. 62½—In boxes of 5 M, w't per box 13 lbs. .....per M **BJ** $0.38
No. 610—In boxes of 10 M, w't per box 21 lbs. .....per M **AI** $0.36

PIECED TINWARE.

TEA POTS.



Nos.	241	242	243
Quarts—listed capacity	1	2	3
W't per doz., lbs.	5	6	9
Per dozen	$1.75	2.25	2.75
	AAE	ACJ	ABE

ONE DOZEN IN A FIBRE CASE.

COFFEE POTS.



IC Tin, Flat Tin Bottom.

Nos.	11	12	13
Quarts—listed capacity	1	2	3
W't per doz., lbs.	5	6	9
Per dozen	$1.60	2.20	2.60
	AJJ	ACJ	ADE

No.	14
Quarts—listed capacity	4
W't per doz., lbs.	10
Per dozen	$3.00
	AGJ

ONE DOZEN IN A FIBRE CASE.

COFFEE BOILERS.



IX Tin, Flat Copper Bottom.

Nos.	088	089
Size	8	9
Qts., actual capacity	6	8
W't per doz., lbs.	18	21
Per dozen	$9.50	10.25
	DHJ	JEFJ

LOOSE.

Camp Boilers, Heavy Tin, Flat Copper Bottom.

Gallons	3	4	5
Diam. bottom, in.	11	11½	13
W't, doz., lbs.	30	36	42
Per dozen	$20.00	22.50	25.00
	ACJJ	ADDJ	AFEJ

LOOSE.

STEAM COOKERS.



No. 11—3½x10 in., plain tin water pans, 2 qt. retinned food pan, per dozen ..... EJE $7.50

No. 800—3½x10 in., retinned pan, 2 qt. enameled food pan, per dozen ..... JIGJ $15.00

For vegetables ordinarily boiled, viz: potatoes, peas, beans, corn, etc., also cereals, this cooker gets most appetizing results. The food pan is suspended, the steam from water pan comes up through holes in supporting ring, steam cooking the food.

ONE-HALF DOZEN IN A CARTON.

TEA KETTLES.



Stamped, Plain, Tin.

No. 80—7½ in., flat tin bottom, capacity 1½ qts., w't per doz. 9 lbs., per dozen ..... ACJ $3.00

No. 81—8¼ in., flat tin bottom, capacity 2 qts., w't per doz. 10 lbs., per dozen ..... AEJ $4.00

ONE DOZEN IN A PACKAGE.



Polished, IX Tin, Flat Copper Bottom and Rim.

Nos.	0814	0914
Trade Size—No.	8	9
Diam., in.	9½	10½
W't per doz. crtd., lbs.	33	35
Per dozen	$11.50	13.00
	JHDJ	JIJJ

ONE-HALF DOZEN IN A CRATE.

STEAMERS.



IC Tin, High Rimmed Cover.

Nos.	80	90
Size, in.	5¼x9¾	5¼x11
W't per doz. crtd., lbs.	24	26
Per dozen	$4.50	5.00
	CJJ	CCJ

ONE-HALF DOZEN IN A CRATE.



Polished XXX.

Nos.	188	199
Size, in.	6¼x10¾	6¾x12
W't per doz., lbs.	36	39
Per dozen	$13.00	15.00
	JFIJ	JHAJ

Heavy and well made, a very attractive utensil.

LOOSE.

STEAM COOKERS.



IX Tin, Copper Bottom.

Nos.	0	1	3
Diam., in.	7⅝	9	10¼
Capacity of boiler, qts.	2	3	5
Number of vessels	4	4	4
W't per doz. crtd., lbs.	84	100	120
Per dozen	$25.80	27.50	30.00
	AAGE	ACEJ	AEFJ

The cooker has four vessels consisting of a water vessel with a copper bottom, and three solid bottom steamers with steam pipe connections.

ONE IN A CRATE.

WASH BOILERS.



Straight Pattern, Large Sizes, Polished 16 Oz. Solid opper, High Pattern, Seamless, Heavy Tinned Cover with Suspending Hook, Heavy Wood Grip Handles.

Nos.	268	269
Size, in.	11¼x21½	12x23
W't, doz., crtd., lbs.	225	250
Per dozen	$71.00	75.00
	DADJ	DFHJ

No. 279—Size 12x23 in., 16 oz. copper, 20 oz. copper bottom, high heavy tin cover, heavy handles with wood grips, w't per doz. crtd. 260 lbs., per dozen .....DFBJ $67.50

ONE-QUARTER DOZEN IN A CRATE.

No. 999—23x12½x13½ in., net w't 13 lbs., solid 20 oz. polished copper, tinned inside, with 14 oz. copper cover, brass handles, shanks, enameled woods, w't per doz. crtd. 325 lbs., per dozen .....JFHDJ $110.00

ONE IN A CRATE.



Straight Pattern, Large Sizes, Polished 14 Oz. Solid Copper, High Pattern, Seamless, Heavy Tinned Cover with Suspending Hook, Heavy Wood Grip Handles.

Nos.	068	069
Size, in.	11¼x21½	12x23
W't, doz., crtd., lbs.	200	225
Per dozen	$54.00	58.00
	CEDJ	CIFJ

ONE-QUARTER DOZEN IN A CRATE.

Ordinary Competition 14 Oz. Grade, Polished 12 Oz. Solid Copper, High Tin Cover, Rigid Wood Grip End Handles.

Nos.	108	109
Size, in.	11x21	12x23
W't per doz. crtd., lbs..	120	140
Per dozen	$52.00	56.50
	CDHJ	CDHJ

ONE-QUARTER DOZEN IN A CRATE.



Regular Straight Pattern, XXXX Heavy AAA Charcoal, Full 14 Oz. Solid Copper Bottom, High Seamless Cover with Suspending Hooks, Heavy Wood Grip Handles.

Nos.	288	289
Size, in.	11½x21	12x23½
W't, doz., crtd., lbs.	140	150
Per dozen	$36.00	39.00
	BAFJ	BEHJ

No.	2810
Size, in.	12½x24
W't per doz., crated, lbs.	170
Per dozen	$44.00
	CJJJ

ONE-QUARTER DOZEN IN A CRATE.



Regular Straight Pattern, IX AAA Charcoal Tin, 12 Oz. Solid Copper Bottom, High One-piece Cover, Heavy Wood Grip Handles, Highest Quality in Light Weight.

Nos.	178	179
Size, in.	11¼x22	12x23
W't, doz., crtd., lbs.	150	175
Per dozen	$30.00	32.00
	AEFJ	AIHJ

ONE-QUARTER DOZEN IN A CRATE.



Nos. 018 and 019.

Nos. 118 and 119.

No. 1119.

Nested, Competition Galvanized, Flat Stamped Tin Cover, Drop End Handles.

Nos.	018	019
Size, in.	11x21	11½x22½
W't, doz., crtd., lbs..	95	105
Per dozen ..	$12.50	13.50
	JIFJ	JIFJ

ONE-HALF DOZEN IN A CRATE.

Nested, Heavy Galvanized, Rigid Large Wood Grip End and Cover Handles, High Pitched Tin Covers.

Nos.	118	119
Size, in. top	22½x11½	24x12½
W't, doz., crtd., lbs.	140	155
Per dozen.	$18.00	20.00
	AJEJ	ADDJ

Nested, Extra Large, Heavy 26 Ga. Galvanized, Wood Grip Rigid End Handles, Deep Rimmed High, Heavy Tin Cover with Wooden Grip Hook Handle.

No. 1119—12½x23½x13 in., w't per doz. crtd. 175 lbs., per dozen BHHJ $28.00

ONE-QUARTER DOZEN IN A CRATE.



No. 269 O V B



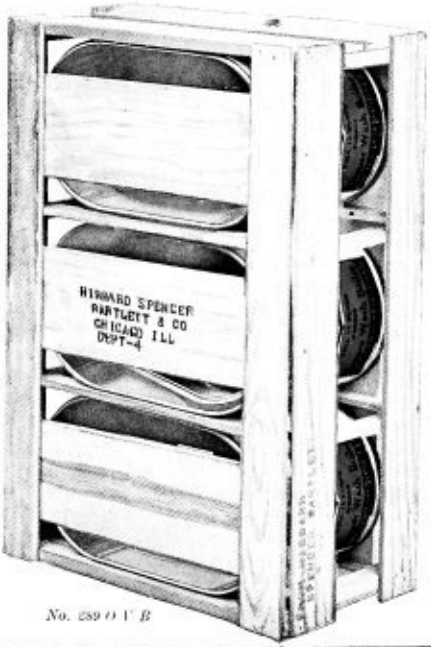
No. 58 Cruso



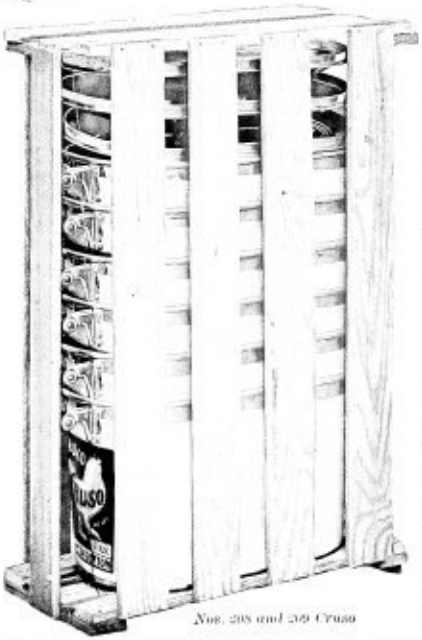
No. 068 Revonoc



No. 265 Cruso



No. 289 O V B



Nos. 208 and 209 Cruso

For descriptions and prices see: Wash Boilers, page 896, Gasoline Cans, page 879, Oil Cans, page 879.

WASH BOILERS AND CLOTHES WASHERS.

CRUSO.



Large Straight Pattern, IX Coke Tin Boilers, 10 Oz. Solid Copper Bottom, Heavy Wood Grip Handles and High Stamped Covers.

No. 88—11½x22 in., w't per doz. crtd. 200 lbs.....per dozen **ACBJ** $22.00

No. 89—12x23 in., w't per doz. crtd. 220 lbs. .....per dozen **AIBJ** $26.00



Flared, Nested **XX** Tin, 12 Oz. Flat Copper Bottom, High Pieced Cover, Heavy Solid Wood Grip End Handles.

Nos.	208	209
Size at top, in.	11x21¼	12½x23
W't per doz. crtd., lbs.	145	165
Per dozen	$25.00	27.00
	ACHJ	**AEJJ**

ONE-HALF DOZEN IN A CRATE.

REGULAR STRAIGHT PATTERN.



Nos. 1058 to 059. Nos. 78, 79.

IC Tin, Flat Tin Bottom.

Nos.	1058	1059
Size, in.	10½x20½	11½x22½
W't, doz., crtd., lbs.	85	100
Per dozen	$9.50	10.75
	JEGJ	**JFCJ**

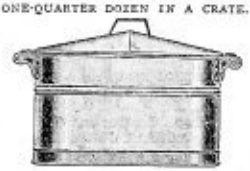
Flat Copper Bottom.

Nos.	058	059
Size, in.	10½x20½	11½x22½
W't, doz., crtd., lbs.	100	110
Per dozen	$16.50	18.50
	JICJ	**ACBJ**

IX Tin, Flat Copper Bottom, High Pieced Cover, Solid Light Wood Grip End Handles.

Nos.	78	79
Size, in.	10½x20½	11½x22½
W't, doz., crtd., lbs.	135	150
Per dozen	$20.00	22.50
	ABCJ	**AFBJ**

ONE-QUARTER DOZEN IN A CRATE.



IX Tin, Copper Rim and Flat Copper Bottom, Heavy Rigid Wood Grip End Handles, High Pieced Covers.

Nos.	198	199
Size, in.	10½x20½	11½x22½
W't, doz., crtd., lbs.	140	155
Per dozen	$18.00	19.50
	AGDJ	**AIHJ**

ONE-QUARTER DOZEN IN A CRATE.

VACUUM CLOTHES WASHERS.



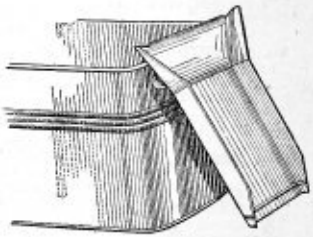
REVERSIBLE. Seamed, Without Solder, Can be Dried on a Stove Without Melting Apart.

No. 57—Vacuum, bright heavy tin, wood handle, 45 in. over all, w't er doz. 40 lbs.....per dozen **JFJJ** $12.50

Rapid pattern, oldest and best.

ONE DOZEN IN A CASE.

CLOTHES SHUTES.



No. 7—Galvanized, length 20 in., width 10½ in., depth 3½ in., w't per doz. 4 lbs.....per dozen **BCE** $4.00

For transferring the clothes without slopping.

HAND VACUUM CLOTHES WASHERS.

No. 45—7 in. bright tin funnel, wood handle, 30 in. over all, w't per doz. 20 lbs. .....per dozen **BGJ** $6.00

Funnel holds the air and forces it with the suds through the clothes when the washer is jammed down. Easily operated. No parts to get out of order and saves back-breaking work on washboard.

LOOSE.

No. 46—New Cruso, Improved, heavy tin 8 in. open funnel with wood handle, 30 in. over all, w't per doz. 20 lbs. .....per dozen **JDHJ** $10.00

ONE DOZEN IN A CASE.

Simplest and easiest to operate and most effective.



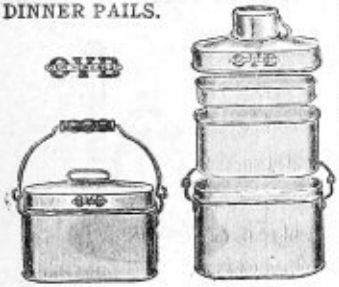
No. 45.



No. 46.

DINNER PAILS, COVERED BUCKETS AND FLASKS.

DINNER PAILS.

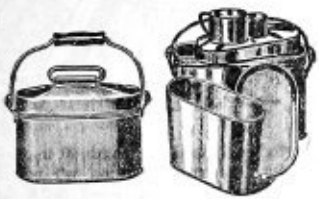


Extra Heavy Tin, Heavy Steel Ears and Bail, with Large Wood.

Qts., with Cup..	3	4
Dimensions, in..	5x8¼x4½	5½x9x5
W't per doz. crtd.	42	46
Per dozen	$11.50 JGBJ	12.50 JGIJ
Qts., with Cup..	**5**	**6**
Dimensions, in..	6½x9¼x5½	6¼x10x6
W't per doz. crtd.	51	56
Per dozen	$14.00 JHFE	15.50 JIDJ
Qts., No Cup ...	**03**	**04**
Dimensions, in..	5x8¼x4½	5½x9x5
W't per doz. crtd.	40	44
Per dozen	$10.50 JFEJ	11.50 JGBJ
Qts., No Cup ...	**05**	**06**
Dimensions, in..	6½x9¼x5½	6¼x10x6
W't per doz. crtd.	48	55
Per dozen	$12.50 JGIJ	14.00 JHFE

No. 08 —8 qt., 7¾x10¾x9 in., w't per doz. crtd. 70 lbs., per dozen .....AJAJ $16.00

ONE DOZEN IN A CRATE.



Nos. 274 and 278. Nos. 74 to 78.

AURORA, without Cup, of IX Tin, Deep Inset and Pie Tray.

Nos.	274	275	276
Trade size, qts.	4	5	6
Dimensions, in.	9x5¼	9x5¾	9½x6¼
W't per doz., crtd., lbs....	34	35	39
Per dozen	$6.50 DBJ	7.00 DEJ	8.50 EGJ

ONE DOZEN IN A CRATE.

AURORA, with Cup, IX Tin, Heavy Ears, Dust Proof, Deep Inset and Pie Tray.

Nos.	74	75	76
Trade size, qts.	4	5	6
Dimensions, in.	9x5½	9x5½	10x5½
W't per doz., crtd., lbs....	34	36	39
Per dozen	$7.50 DHJ	8.00 EJE	9.50 FFJ

ONE DOZEN IN A CRATE.

DINNER PAILS.



Nos. 150 to 350.

Pie Tray, Slip Cup, Flask in Cover, Patent Cover Fastening.

Nos.	150	200
Trade size, qts.	2	3
Dimensions, in.	8x5	8¼x5½
W't per doz. crtd., lbs..	19	22
Per dozen	$3.70 CJJ	4.25 CCJ
Nos.	**250**	**350**
Trade size, qts.	4	5
Dimensions, in.	8¼x6	9¼x6½
W't per doz. crtd., lbs..	25	27
Per dozen	$4.50 CFJ	5.30 CIJ

ONE-HALF DOZEN IN A FIBRE CASE.

Tin, Two Compartments, with Cup, without Coffee Flask.

Nos.	300	330
Trade size, qts.	2	3
Dimensions, in.	8x5	8¼x5½
W't, doz. packed, lbs. ..	18	21
Per dozen	$4.25 BIE	4.70 CBJ
Nos.	**400**	**450**
Trade size, qts.	4	5
Dimensions, in.	8¼x6	9¼x6½
W't, doz. packed, lbs. .	23	28
Per dozen	$5.30 CFJ	5.80 DJJ

ONE-HALF DOZEN IN A FIBRE CASE.

COFFEE FLASKS.



No. 5. No. 6.

No. 5—1 pt., glass, metal screw cap, w't per doz. 8½ lbs., per dozen .....JHJ $1.50

No. 6—1 pt., glass, removable tin jacket, metal screw cap, w't per doz. 9½ lbs., per dozen .....AAJ $2.00

NOS. 5 AND 6, ONE DOZEN IN A BOX; IC TIN, ONE DOZEN IN A PACKAGE.

COVERED BUCKETS.



IC Tin.

Quarts	½	1	2	3
Pattern	low	high	low	low
W't per doz., lbs.	2½	6	10	11
Per dozen ..	$0.80 DE	.90 FJ	1.20 HJ	1.50 JIJ
Quarts	**4**	**6**	**8**	**10**
Pattern	high or low	low	high	high
W't per doz., lbs.	14	18	20	23
Per dozen ..	$1.80 AAJ	2.50 ADJ	3.50 BJE	4.00 BCJ

High 4 qt. sent unless low is ordered.

½ QT., IN PAPER PKGS.; BALANCE, ONE DOZEN IN A FIBRE CASE.

No. 234—2 doz. each 2, 3 and 4 qt., low, nested in a crate, w't per crate 50 lbs., per crate six dozen ....DCJ $7.50

CHILDS' DINNER BUCKET.



No. 22—2 qt. I. C. Tins, 6¼x4¼ in., with pie tray, w't per doz. 12 lbs., per dozen .....ADE $2.00

ONE DOZEN IN A CRATE.

ROUND TIN DINNER PAILS.



Two Compartment I. C. Bright Tin, with Long Ears and Cover Locking Bail with Wood Grip, over Rim Inside.

Nos.	63	64	65
Listed capacity, qts.	3	4	5
W't per doz., lbs. ..	20	24	28
Per dozen	$4.25 BFE	4.50 BIJ	5.00 CBJ

No. 665—5 qt. round heavy IX Miners Dinner Pails without cup, same pattern as No. 65, w't per doz. 37 lbs., per dozen .....DHJ $3.00

ONE DOZEN IN A CRATE.

TINWARE.

FUNNELS.



Nos. 00 to 05. Nos. 1 to 5.

IC Tin, Pieced.

Nos.	00	01	02
Trade size, pts.	¼	½	1
Diameter, in.	2½	3½	4¼
Per dozen	$0.40	.55	.65
	AH	BD	CJ

Nos.	03	04	05
Trade size, pts.	2	4	8
Diameter, in.	5½	6½	7½
Per dozen	$1.00	1.30	1.70
	JDJ	JEH	JHJ

No. 6—9 in. diameter, 11 in. over all, ⅜ in. outlet, 1 in. top collar, IC tin, similar pattern to ⓍⓍⓍ, w't per doz. 8½ lbs. .....per dozen **BDD** $4.50

IC Tin, Stamped.

Nos.	1	2	3
Trade size, pts.	½	1	2
Diameter, in.	3½	4	4¼
Per dozen	$0.65	.75	1.10
	DB	FJ	JGB

Nos.	4	5
Trade size, pts.	4	8
Diameter, in.	6¼	7½
Per dozen	$1.50	2.00
	JIJ	AAE



ⓍⓍⓍ Copper. No. 91.

ⓍⓍⓍ XXX Polished.

Trade size, qts.	½	1	2	4
Diam., in.	3	5	7	9
Per dozen	$3.50	4.00	5.50	7.00
	BJE	BDJ	CJJ	DBJ

Seamless Copper, Tinned Inside.

Nos.	501	502	504
Trade size, qts.	1	2	4
Diam. top, in.	5¼	6½	7
Per dozen	$6.00	9.00	15.00
	DBJ	EGJ	AJAJ

No. 91—Solid copper, seamless, with valve, listed capacity 1 qt., diam. 5½ in. .....per dozen **GJJ** $13.50



No. 63. No. 15.

No. 63—Strainer funnels, diam. 4½ in., with hinged wire strainer, per dozen .....**ACJ** $3.00

No. 15—Fruit jar fillers, 4½ in., tin, seamless body ....per dozen **CE** $0.80

MEASURING CUPS.



No. 65. No. 63.

No. 65—Graduated, tin, capacity 1 cup, marked in thirds and quarters on opposite sides.....per dozen **DH** $0.60

No. 63—Graduated, glass, capacity 1 cup, marked in quarters, for cooking, w't per doz. 6 lbs....per dozen **JEJ** $0.85

CAN GLASS MEASURING CUPS.



Saves the cost of the package and the freight on it. Urge customers to use this cup for a 5c leader as is done by the 5c and 10c stores.

No. 3363—Consists of No. 33 Galvanized Ash Can with cover, containing ½ gross No. 63 glass cups, w't per can 60 lbs. .....per can **DEJ** $8.00

MEASURES.



ⓍⓍⓍ Nos. 9 to 19.

1 qt. ⓍⓍⓍ, Graduated, XXX polished tin, w't per doz. 7 lbs., per dozen .....**BGJ** $3.30

Graduated IC Pieced Tin.

Nos.	9	10	11
Capacity, qts.	1	2	4
W't, doz. lbs.	3½	5½	7½
Per dozen	$1.10	2.00	2.50
	JEE	JIE	AEJ



Nos. 1 to 5. Funnel. ⓍⓍⓍ & Copper.

IC Pieced.

Nos.	1	2	3	4	5
Pints	½	1	2	4	8
W't, doz., lbs.	1½	2½	4	6½	9
Per doz.	$0.75	.85	1.25	1.75	3.00
	DE	EE	GJ	AAJ	AHJ

XX Tin.

Funnel	1 pt.	1 qt.	2 qt.	1 gal.
W't, doz., lbs.	5	8	12	17
Per dozen	$4.00	5.00	7.00	8.50
	BAJ	BDJ	CJJ	DEJ

ⓍⓍⓍ XXX Polished.

Quarts	1	2	4
W't per doz., lbs.	8	12	16
Per dozen	$3.70	5.35	8.00
	BGJ	DDJ	EDJ

Copper, Tinned Inside, Lipped.

Quarts	1	2	4
W't, doz., lbs.	6	9	15
Per dozen	$7.50	12.00	15.00
	FIJ	IBJ	ABIJ

PIECED DIPPERS.



No. 10. ⓍⓍⓍ

No. 10—Trade size 1 qt., actual size ¾ qt., IC tin, w't per doz. 3 lbs., per dozen .....**JEE** $1.30

No. 20—Trade size 2 qt., actual size 1 qt., IC tin, w't per doz. 4½ lbs., per dozen .....**JGJ** $1.50

No. 30—Trade size 2 qt., actual size 1 qt., IX tin, w't per doz. 5 lbs., per dozen .....**JIJ** $2.00

No. 40—Trade size 2 qt., actual size 1 qt., IX tin, copper bottom, w't per doz. 5½ lbs. ....per dozen **ABJ** $2.75

1 qt. ⓍⓍⓍ, actual size ¾ qt., XXX polished, w't per doz. 7 lbs., per dozen .....**BDJ** $3.00

2 qt. ⓍⓍⓍ, actual size 1½ qt., XXX polished, w't per doz. 10 lbs., per dozen .....**CJJ** $3.75

LAUNDRY DIPPERS.



Nos. 50 and 54. ⓍⓍⓍ

Nos.	50	54	ⓍⓍⓍ
Trade size, qts.	2	4	4
Actual size, qts.	1	2½	2½
Tin	IC	IX	XXX
Per dozen	$1.50	3.50	4.50
	JFE	AHJ	CJJ



No. 210. Nos. 515 and 525.

No. 210—Galvanized, stamped, listed capacity 1 qt., dimensions 5x2¼ in., per dozen .....**AAJ** $1.65

No. 515—Trade size 2½ qt., actual capacity 1½ qt., dimensions 6½x3¼ in., per dozen .....**AEJ** $2.75

No. 525—Trade size 4 qt., actual capacity 3 qts., dimensions 8½x4 in., per dozen .....**BBJ** $3.75

PIECED CUPS.



Nos.—IC Tin.	40	60	70	80
Actual cap., qts.	¼	½	1	2
Per dozen	$0.40	.50	1.00	1.35
	BJ	BE	JEE	JGJ

ⓍⓍⓍ XXX Tin.

Capacity, qts.	½	1
W't per doz., lbs.	3	6
Per dozen	$2.00	3.50
	JIE	AHJ

TINWARE.

BREAD PANS.



Nos. 31 to 35. Nos. 0 to 3. Nos. 310 to 330, 11 to 13.

XX Heavy Tin, Round Corners, Folded Ends.

Nos.	31 Small	32 Medium
Size, in.	8¾x4¾x2⅝	9¼x4¾x2⅝
W't per doz., lbs.	6	7
Per dozen	$1.50	1.60
	JHJ	JIE

No.	33 Large	35 Sandwich
Size, in.	9½x5½x2¾	17¼x4¼x3¼
W't per doz., lbs.	7½	15
Per dozen	$1.75	3.50
	JIE	BJJ

Flat.

Nos.	34 Large	36 Medium
Size, in.	11½x7½x2¾	10½x6¼x2¾
W't per doz., lbs.	10	9
Per dozen	$2.00	1.85
	AAE	AAJ

These are fine pans, heavy bakers' quality.

ONE DOZEN IN A PACKAGE.

IC Tin, Flat Ends, Rounded Bottom, Wired Top.

Nos.	0	1
Size, in.	9x4½x2½	9¾x4½x3
W't per doz. lbs.	4	4½
Per dozen	$1.00	1.25
	JFJ	JGJ

Nos.	2	3
Size, in.	10½x5¼x3	11½x6x3
W't per doz., lbs.	5	6
Per dozen	$1.50	1.75
	JHE	JIE

Large and Deep, IC Tin, Wired Top, Folded Ends.

Nos.	310	320
Size, in.	9¼x5½x3	10½x6½x3¼
W't per doz., lbs.	5	6
Per dozen	$1.75	2.20
	JIJ	AAE

No.		330
Size, in.		12x6¼x3½
W't per doz., lbs.		7
Per dozen		$2.50
		ADJ

ONE DOZEN IN A PACKAGE.

Smooth Black Steel, 3 Inches Deep.

Nos.	11	12	13
Size, in.	9½x5	11x5½	12x6
W't per doz., lbs.	5½	8	13
Per dozen	$1.50	1.60	1.70
	JHJ	JHE	JIJ

LOOSE.

LONG BREAD OR SPONGE CAKE.



No. 145—13x4½x2½ in., IC tin, wired, w't per doz. 5 lbs., per dozen ..... JHJ $1.60

ONE DOZEN IN A PACKAGE.

BREAD PANS.



No. 1001—Crimp Crusty, tin, 10x3¼ in. rolls, 4 in a frame, w't per doz. 36 lbs., per dozen ..... AJAJ $18.00

LOOSE.

OBLONG BISCUIT PANS.



No. 120—10x6x2 in., IC tin, wired, w't per doz. 4¾ lbs., per dozen JEJ $1.10

No. 130—11¾x7½x1⅛ in., IC tin, wired, w't per doz. 4¾ lbs., per dozen ..... JEJ $1.10

No. 140—13x9¼x1⅜ in., IC tin, wired, w't per doz. 9 lbs., per dozen ..... JHE $1.65

ONE DOZEN IN A PACKAGE.

HANDLED OBLONG PANS, BREAD OR BISCUIT.



IC Tin.

Nos.	20	21
Size, in.	10x8x2½	12x8x2⅛
W't per doz., lbs.	8	9
Per dozen	$1.75	2.25
	JHE	JIJ

Nos.	23	25
Size, in.	14x9x2⅜	15x10x2¼
W't per doz., lbs.	11½	14
Per dozen	$2.75	3.25
	AAJ	ABE

No.		27
Size, in.		17x12x2½
W't per doz., lbs.		17½
Per dozen		$4.25
		AFJ

ONE DOZEN IN A PACKAGE.

SQUARE I. C. JELLY CAKE TINS.



Nos. 1, 2 and 3. Nos. 11, 12 and 13.

Nos.	1	2
Size, in.	8x8x1	9x9x1
W't per doz., lbs.	3½	4¼
Per dozen	$0.90	1.00
	JDE	JEE

Nos.	3	11
Size, in.	10x10x1	8x8x2
W't per doz., lbs.	5	4
Per dozen	$1.20	1.25
	JFE	JGJ

Nos.	12	13
Size, in.	9x9x2	10x10x2
W't per doz., lbs.	5½	6¼
Per dozen	$1.40	1.60
	JHJ	JIE

ONE DOZEN IN A PACKAGE.

ANGEL CAKE PANS, LOOSE.



No. 223.

No. 223—Tubed, with 3 fast feet to reverse for cooling, 9¼x4 in., w't per doz. 11 lbs. .....per dozen BBJ $4.50

ONE-QUARTER DOZEN IN A PACKAGE.

VAN DEUSEN CAKE MOULDS.



No. 360. No. 363.

No. 360—Round layer, without tube, 8½x1½ in., w't per doz. 6½ lbs., per dozen ..... AGE $2.40

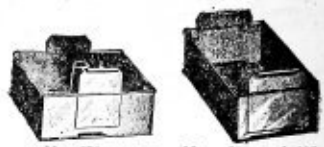
No. 363—Round loaf, medium, without tube, 8½x3½ in., w't per doz. 10 lbs., per dozen ..... BAE $3.00

No. 365—Round Loaf, small, with tube, 6½x3 in., w't per doz. 7½ lbs., per dozen ..... BAE $3.00

No. 366—Round loaf, medium, with tube, 8½x3½ in., w't per doz. 10 lbs., per dozen ..... BAE $3.00

No. 368—Round loaf, large, with tube, 10½x4 in., w't per doz. 15 lbs., per dozen ..... CJJ $4.20

LOOSE.



No. 370. Nos. 380 and 385.

No. 370—Square layer, without tube, 7½x7½x1½ in., w't per doz. 7 lbs., per dozen ..... AGE $2.40

No. 373—Square loaf, regular, without tube, 7½x7½x3½ in., w't per doz. 10 lbs. .....per dozen BAE $3.00

No. 376—Square loaf, regular, with tube, 7½x7½x3½ in., w't per doz. 11 lbs., per dozen ..... BAE $3.00

No. 380—Oblong loaf, small, without tube, 7½x4½x3½ in., w't per doz. 8 lbs. .....per dozen AGE $2.40

No. 385—Oblong loaf, regular, without tube, 9½x5½x3½ in., w't per doz. 10 lbs. .....per dozen BAE $3.00

LOOSE.

VAN DEUSEN SETS.



No. 333—Two No. 360 round layer moulds, one each No. 366 moulds tubed, No. 65 measuring cup and No. 20 whip, w't per doz. 33 lbs., per dozen ..... GHJ $9.00

No. 444—Has Nos. 370 and 376 pans, otherwise same as No. 333, per dozen ..... GHJ $9.00

ONE SET IN A CARTON.

BISCUIT AND CAKE CUTTERS AND GRATERS.

TIN BISCUIT CUTTERS.




Nos. 22 to 23½. Nos. 43 and 44.

No. 22—2 in. seamless, per dozen ..... AH $0.30
No. 22½—2½ in. seamless, per dozen ..... BJ .35
No. 23—3 in. seamless, per dozen ..... BC .40
No. 23½—3½ in. seamless, per dozen ..... CJ .50

French Scalloped.

No. 43—3 in. seamless, per dozen ..... BI $0.50
No. 44—4 in. seamless, per dozen ..... CF .60

ONE DOZEN IN A PACKAGE.

TIN DOUGHNUT CUTTERS AND MUFFIN RINGS.



Nos. 62½ and 63. Nos. 73 and 74. No. 90.

Doughnut or Cruller Cutters.

No. 62½—2½ in. seamless, per dozen ..... BF $0.45
No. 63—3 in. seamless, per dozen ..... CJ .25
No. 73—3 in. seamless scalloped, per dozen ..... CE .60
No. 74—4 in. seamless scalloped, per dozen ..... DH .80

Muffin Rings.

No. 90—Plain, 3 in. tin, per dozen ..... AH $0.35

ONE DOZEN IN A PACKAGE.

ROTARY BISCUIT AND DOUGHNUT CUTTERS.



Nos. 101 and 103. No. 108.

No. 101—Biscuit, 2¾ in., per dozen ..... DH $0.80
No. 103—Biscuit, 3¼ in., per dozen ..... EE .90
No. 108—Doughnut, 3 in., per dozen ..... JHJ 1.30

CAKE CUTTERS.



No. 1. No. 2. Nos. 20 and 30.

No. 1—Plain center, assorted patterns, per dozen ..... CJ $0.55
No. 1½—Plain center, all heart patterns ..... per dozen CJ $0.55
No. 2—Fancy center, assorted patterns, per dozen ..... CG $0.65
No. 20—Medium, assorted animals, per dozen ..... DB $0.65
No. 30—Large, assorted animals, per dozen ..... DH $0.80

ONE DOZEN IN A BOX.

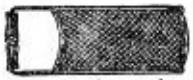
SANDWICH CUTTERS.



No. 66—Assorted designs, heart, club, diamond and spade, per dozen ..... FJ $0.95

ONE DOZEN IN A BOX.

SHEET GRATERS.



No. 1—¼ sheet, w't per doz. 1¼ lbs., per dozen ..... CJ $0.55
No. 2—½ sheet, w't per doz. 3 lbs., per dozen ..... DB $0.70
No. 3—1 sheet, w't per doz. 5 lbs., per dozen ..... JHJ $1.30

NOS. 1 AND 2, ONE DOZEN; NO. 3, ONE-HALF DOZEN IN A PACKAGE.



No. 32—½ sheet, IXXX extra heavy, tin handle, w't per doz. 8 lbs., per dozen ..... BCJ $3.90

CYLINDER AND SQUARE GRATERS.



Nos. 33 and 35. Nos. 43 and 44.

No. 33—6x2¼ in., cylinder, grates fine, medium and coarse, w't per doz. 2½ lbs. ..... per dozen CE $0.65
No. 35—Cylinder, grater 7½x4 in., fine, medium and coarse, w't per doz. 3¼ lbs. ..... per dozen JEE $0.90
No. 43—Square, 5x3½x2½ in., IX combination grater, slicer and cutter, grates coarse or fine, slices potatoes, cuts slaw, three articles in one, w't per doz. 3 lbs., per dozen JEE $1.00
No. 44—W't per doz. 5½ lbs., otherwise same as No. 43, per dozen JIE $1.50

NUTMEG GRATERS.



Nos. 12 and 13. No. 5.

No. 13—Common box, 4¼ in., per dozen ..... BJ $0.35
No. 12—IXXX tin, 6 in., per dozen ..... JFJ 1.00
No. 5—Edgar, 3¼ in., per dozen ..... AJJ 1.70

ONE DOZEN IN A PACKAGE.

ROTARY ALMOND AND HORSE-RADISH GRATERS.

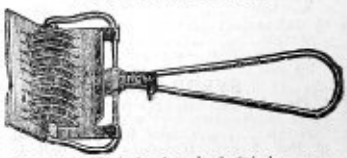


No. 60—3x3¼ in., revolving, removable perforated tin cylinder, iron frame with screw clamp 13¾ in. over all, w't per doz. 39 lbs., per doz. JHAJ $18.00
No. 58—Small, 1⅞x1⅞ in., 6 in. over all, w't per doz. 4 lbs., otherwise same as No. 60 ..... per dozen BDJ $6.00
No. 59—Medium, 2x2 in., 9 in. over all, w't per doz. 12 lbs., otherwise same as No. 60 ..... per dozen JDEJ $10.00

This machine is well adapted for grating chocolate, horseradish, potatoes, fruit, onions, carrots, celery and bread.

ONE IN A BOX.

ROTARY MINCERS AND NOODLE CUTTERS.



No. 111—Nickel plated, 2x6½ in. over all, steel rotary cutter with hinged wiper, w't per doz. 3 lbs., per dozen ..... BBJ $4.00

LARD AND SYRUP CANS AND CANNING SUNDRIES.

LARD PAILS.



Bright IC Tin, Nestable, with Bail and Slip Cover.

Pounds	3	5	10	20
W't, doz., lbs.	5	8	11	21
Per dozen	$1.10	1.50	2.30	3.80
	JFE	JIJ	ADJ	BCJ

LOOSE.

With Side Handles.

50 lbs., nested pails, w't per doz. 33 lbs., per dozen .....DJJ $6.50

ONE DOZEN IN A CRATE.

LARD CANS.



Bright IC Tin, Wire Drop Handles, Cover with Inside Rim.

Gallons	6	8	10
Lard capacity, lbs..	50	66	83
W't per doz., lbs....	60	75	85
Per dozen	$5.70	7.00	8.00
	CDJ	EJE	FEJ

6 gals. in less than crate lots, substitute 50 lb. pails.

ONE-HALF DOZEN IN A CRATE.

No. 608—Half dozen each 6 and 8 gal. nested in crate, w't 50 lbs., per crate .....CDJ $6.00

No. 810—Half dozen each 8 and 10 gal., nested in crate, w't 58 lbs., per crate .....DJJ $7.00

No. 6810—Half dozen each 6, 8 and 10 gal., nested in crate, w't 70 lbs., per crate .....EAJ $9.30

SYRUP CANS AND PAILS.



Cans.



Pails.

Square, Round Corner Cans, IC Bright Tin, 1½ Inch Screw Cap.

1 Gallon, w't per crate of 100, 125 lbs., per 100 .....AAGJ $18.00

½ Gallon, w't per crate of 100, 90 lbs., per 100 .....JIFJ $15.00

¼ Gallon—1 qt.—w't per crate of 200, 105 lbs. .....per 100 JGBJ $12.00

SYRUP PAILS.

5 lbs.—½ gal.—IC plain tin, bailed, 5x6 in., friction top, w't per hundred 75 lbs. .....per 100 GBJ $9.00

10 lbs.—1 gal.—IC plain tin, bailed, 6½x7½ in., friction top, w't per hundred 125 lbs. ....per 100 JIIJ $13.00

ONE HUNDRED IN A CRATE.

FRUIT JAR RINGS.



No. 1.



No. 2.

No. 1—"Cruso," gray rubber, per gross .....CE $0.60

No. 2 [illegible]—White rubber, per gross .....JGJ 1.20

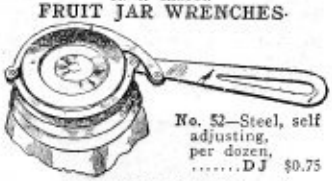
No. 2R [illegible]—Red rubber, per gross .....JGJ $1.20

No. 3 [illegible]—Double thick, white rubber .....per gross AJJ $1.70

No. 3R [illegible]—Red rubber, per gross .....AJJ $1.70

ONE DOZEN IN A BOX; TWELVE BOXES IN A CARTON

FRUIT JAR WRENCHES.



No. 52—Steel, self adjusting, per dozen, ...DJ $0.75

ONE DOZEN IN A BOX.

WRENCHES AND HOLDERS.



No. 53—Wrenches, new pattern steel with heavy wire grip, holds securely and will not cut or crush cap, per dozen .....JHJ $1.50

No. 54—Holders, steel with flat band holder, adjustable, for pint, quart and 2 quart glass fruit jars, per dozen .....BAJ $4.00

Holds securely and prevents hands from coming in contact with hot jars.

ONE DOZEN IN A BOX.

FRUIT CAN TOPS AND BOTTOMS.



1 qt., indexed, 4¼ in., tops and bottoms opening 3½ in., w't per gro. 12 lbs., per gross .....AGE $3.25

ONE-QUARTER GROSS SETS IN A PACKAGE.

FRUIT CANS.



Bright Tin, Indexed Top.

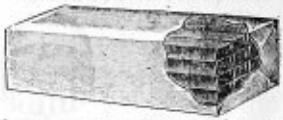
1 qt. cans—W't per gro. 56 lbs., per gross .....CDJ $8.00

ONE GROSS IN A CASE.

2 quart cans—W't per gro. 110 lbs., per gross .....JHAJ $16.00

TWO QUARTS, ONE-HALF GROSS IN A CASE.

CAN CEMENT OR WAX.



Red .....per pound D $0.05
White .....per pound D .05

FIVE POUNDS IN A PACKAGE.



Cruso—Red, made of pure ingredients, in ½ lb. paper boxes, per pound .....JG $0.10

A special wax.

ONE-HUNDRED ONE-HALF POUND BOXES IN A CASE.



12 in. Wax Can Strings, per 1000 .....AHJ $3.00

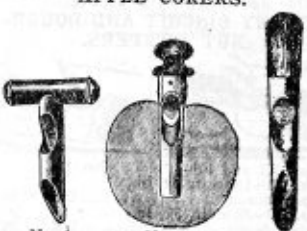
ONE HUNDRED IN A BOX.

WAX MELTING LADLES.



No. 33—Cast iron, diameter 3 in., w't per doz. 8 lbs. .....JGJ $1.50

APPLE CORERS.



No. 1. No. 2. No. 3.

No. 1—6 in., XXX tin, tin handle, per dozen .....JGJ $1.80

No. 2—6 in., IC tin, wood handle, per dozen .....CE $0.75

ONE DOZEN IN A PACKAGE.

No. 3—6 in., XXX retinned steel, wood head .....per dozen JFJ $1.00

ONE DOZEN IN A BOX.

SAP SPOUTS.



No. 5. No. 1.

No. 5—Anchor, tin, 100 in a box, w't per box 3½ lbs. .....per 100 AJJ $1.25

No. 1—Eureka, tinned malleable iron with hook, 100 in a box, w't per box 8 lbs. .....per 100 AHJ $3.52

TIN AND GALVANIZED WARE.

BLOW HORNS.



No. 01—6 in. long, 3 in. hall, toy pocket decorated tin blow horn and rattle, wood mouthpiece, per doz. **JCF** $1.30
ONE DOZEN IN A BOX.

DINNER OR BLOW HORNS.



Wood Mouthpiece.

No. 02—12 in., plain tin, w't per doz. 1¼ lbs. .....per dozen **JCE** $0.60
No. 180—18 in., plain tin, w't per doz. 2½ lbs. .....per dozen **JEE** $1.00
No. 220—22 in., plain tin, w't per doz. 4 lbs. .....per dozen **JIJ** $1.50
ONE DOZEN IN A PACKAGE.

MARKING POTS.



No. 1—5⅛x3½ in., IC tin, w't per doz. 4 lbs. .....per dozen **JIE** $1.60
No. 3—6x4 in., IX tin, w't per doz. 5 lbs. .....per dozen **AGJ** $2.50



No. 2—Ball pot, tin, combination for marking or stencil, w't per doz. 5½ lbs. .....per dozen **BDJ** $4.00
ONE DOZEN IN A PACKAGE.

BOTTLE CLOTHES SPRINKLERS.



No. 01—Cruso, aluminum, fits bottle like a cork, without bottle, per dozen .....**JEE** $0.90
The handiest little household contrivance in a long time.
ONE DOZEN IN A BOX.

OILY WASTE CANS.



Galvanized Iron, Self-Closing Cover, ¾ in. Steel Hoop, Double Riveted Legs 4 in. Tall on No. 2½ and Larger, 3 in. Tall on No. 1½. All in Accordance with Underwriters Specifications.

No. 1½—10½x11 in., w't per doz. 104 lbs. .....per dozen **ABCJ** $20.00
No. 2½—11x14 in., w't per doz. 120 lbs., per dozen .....**ACHJ** $23.00
No. 3½—13x17 in., w't per doz. 144 lbs., per dozen .....**AHCJ** $31.00
No. 4½—14x18 in., w't per doz. 180 lbs., per dozen .....**BBEJ** $37.50
No. 5½—15x20 in., w't per doz. 190 lbs., per dozen .....**BHBJ** $47.00

CANTEENS.



Oil.



Water.

No. 1—1 pt., IC tin, 4⅞x1⅝ in., w't per doz. 3½ lbs. ....per dozen **AJJ** $2.00

Full Capacity Galvanized Iron, Inside Braced, Zinc Filler Screw, Heavy Blanket Covered, Duck Straps.

Quarts	2	4
Size, in.	2½x8	2½x10
W't per doz., lbs.	15	24
Per dozen	$8.00	9.50
	JDGE	JEFJ
Quarts	6	8
Size, in.	2½x12	2½x14
W't per doz., lbs.	27	30
Per dozen	$11.50	13.00
	JFHJ	JGHJ

REFRIGERATOR PANS.



Round, Galvanized.

Sizes, in.	12x3	14x3½	16x3¾
W't, doz., lbs.	25	30	37
Per dozen	$3.75	4.50	5.00
	BGJ	CFJ	DCJ

ONE-HALF DOZEN IN A CRATE.

WATERING POTS OR SPRINKLERS.



No. 11. IC Tin.

No. 11—Parlor, 1 qt., round, japanned tin, w't per doz. crtd. 6 lbs., per dozen .....**JIJ** $2.00
ONE-HALF DOZEN IN A BOX.

IC Tin, Zinc Face Rose.

Quarts	1	2	4
W't, doz., crtd., lbs.	8	11	18
Per dozen	$2.75	2.50	3.50
	ACJ	ACJ	BFE
Quarts	6	8	10
W't, doz., crtd., lbs.	24	32	36
Per dozen	$4.10	5.75	6.50
	BIJ	CBJ	CFJ

ONE AND TWO QUART, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A CRATE.



Galvanized Iron, Zinc Face Rose.

Nos.	40	60	80
Quarts	4	6	8
W't, doz., crtd., lbs.	24	32	44
Per dozen	$4.50	5.50	7.00
	DHJ	EGE	FEJ
Nos.	100	120	160
Quarts	10	12	16
W't per doz., crtd., lbs.	50	58	74
Per dozen	$7.50	8.50	10.50
	GBJ	GHJ	JHFE

ONE-HALF DOZEN IN A CRATE.



CRUSO, Heavy 26 Gauge Galvanized Throughout, Securely Fastened, Extra Strong Back, Handle and Bail, with Wood Grip.

Nos.	108	110
Quarts	8	10
W't per doz., crtd., lbs.	52	64
Per dozen	$11.50	12.70
	JGEJ	JHBJ
Nos.	112	116
Quarts	12	16
W't per doz., crtd., lbs.	76	88
Per dozen	$13.50	15.00
	AJAJ	AAAJ

ONE-HALF DOZEN IN A CRATE.

GALVANIZED WARE.

GARBAGE PAILS.



Nos. 14 to 19. Nos. 117 to 119.

Galvanized Iron, Cover with Outside Rim.

No. 14—10¾x10 in., w't per doz. 42 lbs., per dozen .....EAJ $9.00

No. 16—12x10 in., w't per doz. 54 lbs., per dozen .....JFIJ $11.00

No. 17—13x12½ in., w't per doz. 66 lbs., per dozen .....JHAJ $13.00

No. 18—14x14 in., w't per doz. 80 lbs., per dozen .....JIFJ $15.00

No. 19—14x15½ in., w't per doz. 85 lbs., per dozen .....AJHJ $17.00

Capacity of above, 3½ to 9 gal.

Corrugated Galvanized Iron, with Foot and Deep Outside Rim Cover.

Nos.—CRUSO	117	118	119
Size, in.	12x13	13x14	14x15
W't, doz., lbs.	65	75	95
Per dozen	$16.00	18.00	20.00
	AJHJ	ABDJ	ACHJ

The foot on this Cruso pail is a feature not common with other corrugated pails. It saves the bottom and affording ventilation, avoids rotting wood floors.



Justrite.

Gallons	6	8	10
Size, in.	12x13	13x14	14x16
W't, doz., lbs.	90	100	125
Per dozen	$15.00	18.00	21.00
	ADDJ	AEFJ	AHJJ

The cover of the Justrite is operated by foot lever, not only convenient for domestic use but also for doctors, dentists and in hospitals.

ASH CANS.



No. 88. Nos. 22 to 44.

No. 88—17x23 in., light galvanized corrugated, with cover, w't 12 lbs., each .....ABE $2.50

Galvanized Iron, Stamped Covers with Deep Outside Rim, Six Riveted Galvanized Angle Staves on the Small Sizes, Eight Staves on the Large Size, Drop Side Handles, Soldered Bottoms.

Nos.	22	33	44
Size, in. 14x23½		16x23½	18x25½
W't, lbs.	13	15	20
Each	$2.50	3.00	4.00
	AGJ	AIJ	BAE

Three sizes will nest including covers.

Nest No. 2234—One each Nos. 22, 33 and 44 .....per nest EDJ $8.70



Nos. 200 to 400. Nos. 170 to 206.

Heavy Galvanized Iron, Corrugated, Soldered Tight, Raised Bottom. Iron Drop Handles, Cover Rim Outside.

No. 200—Cruso, 15x26 in., w't 20 lbs., each .....BDJ $3.75

No. 300—Cruso, 18x26 in., w't 25 lbs., each .....CJJ 4.50

No. 400—Cruso, 21x26 in., w't 30 lbs., each .....CDJ 5.75

Extra Heavy Galvanized Iron, Drop Side Handles, Double Ribbed Staves, Cover Rim Outside.

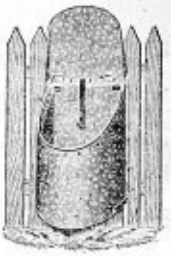
No. 170—15x26 in., w't 26 lbs., each .....BDJ $5.00

No. 180—17x26 in., w't 32 lbs., each .....BGJ 5.75

No. 190—18x26 in., w't 33 lbs., each .....CJJ 6.50

No. 206—20x26 in., w't 41 lbs., each .....CFJ 7.75

FENCE ASH CANS.



Heavy Galvanized Iron, Bottom Reinforced with Wood Underneath, Hinges to Fence at Bottom, Complete with Cover.

No. 330—30x18 in., 26 gauge, w't 25 lbs., each .....BAJ $5.00

No. 336—36x20 in., 24 gauge, w't 35 lbs., each .....BGE $7.0

To mount, it is necessary to cut hole in fence for can to swing through, thus it can be emptied outside the fence. Cover self-closing.

RUBBISH BURNERS.



Nos. 7 to 9. Nos. 1 and 2.

Nested, 12 Gauge Galvanized Wire, Heavy Wire Rod Braces and Feet, Hinged Wire Cover with Hook.

Nos.	Size, in.	W't per doz. lbs.	Per dozen.
7	18x18x16	75	AJEJ $18.00
8	21x21x18	100	ADGJ 25.00
9	24x24x20	120	AIBJ 32.00

No. 1—Black hoop steel 1x⅛ in., 28x15 in., 26 in. black steel cover, w't per doz., not crated, 180 lbs., per dozen .....BGFJ $48.00

No. 1 Rubbish Burners are now made flaring to nest for shipment.

No. 2—Size 28x19 in., w't per doz., no crated, 250 lbs., otherwise same a No. 1 .....per dozen CDHJ $60.00

For the destruction of leaves, wast paper, etc.

OIL AND GASOLINE CANS.

OIL.



No. 1201.



No. 1202.

No. 1201—Cruso, galvanized, squat, 1 gal., 7½ in. diam., height 6 in., galvanized breast, tin spout with screw cap, w't per doz. 25 lbs. ..per dozen **CAJ** $4.50

No. 1202—Cruso, galvanized, squat, 2 gal., 8½ in. diam., height 9½ in., galvanized breast, tin spout with cap screw, w't per doz. 40 lbs., per dozen **EDJ** $6.50

ONE DOZEN IN A CRATE.



No. 101.



Nos. 10, 11 and 201 to 203.

No. 10—Cruso, ½ gal., IC tin, w't per doz. 10 lbs. .....per dozen **ADJ** $2.50

No. 11—Cruso, 1 gal., IC tin, w't per doz. 14 lbs. .....per dozen **AFJ** $3.00

No. 101—Cruso, 1 gal., galvanized iron, tin top and spout, with bail and back handle, w't per doz. 17 lbs., per dozen .....**CAJ** $3.75

No. 201—Cruso, 1 gal., galvanized iron, tin top and spout, w't per doz. 17 lbs., per dozen .....**BGJ** $3.50

No. 202—Cruso, 2 gal., galvanized iron, tin top and spout, w't per doz. 31 lbs., per dozen .....**CHJ** $5.00

No. 203—Cruso, 3 gal., galvanized iron, tin top and spout, w't per doz. 56 lbs., per dozen .....**DEJ** $7.50

NOS. 10, 11, 101 AND 201, ONE DOZEN; 202 AND 203, ONE-HALF DOZEN IN A CRATE.



No. 205.



No. 2205 and 2203.

No. 205—Cruso, 5 gal., all galvanized iron, w't per doz. 64 lbs., per dozen .....**FFJ** $9.50

No. 2203—3 gal., spout can, heavy galvanized iron including breast, brass screws, w't per doz. 60 lbs. .....per dozen **JFIJ** $10.00

ONE-QUARTER DOZEN IN A CRATE.

No. 2205—5 gal., spout can, extra heavy galvanized iron, brass screws, w't per doz. 75 lbs., per dozen .....**JIFJ** $12.00

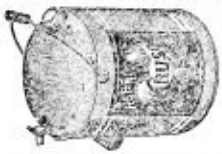
ONE-QUARTER DOZEN IN A CRATE.

FAUCET CANS.



No. 60—Cruso, 5 gal., galvanized iron, ¾ in. angle faucet, w't per doz. 74 lbs., per dozen .....**JGFJ** $11.00

ONE-QUARTER DOZEN IN A CRATE.



No. 25—Cruso, 5 gal., lay down, galvanized, ¾ in. faucet in top prevents leaking when carried, galvanized breast, w't per doz. 70 lbs., per dozen .....**JHFE** $12.00

ONE-QUARTER DOZEN IN A CRATE.



No. 225—5 gal., lay down, ¾ in. brass lever faucet, extra heavy galvanized iron, brass screw, w't per doz. 80 lbs. .....per dozen **AAIE** $18.00

ONE-QUARTER DOZEN IN A CRATE.

PUMP CANS.



No. 15.



No. 165.

No. 15—Cruso, 5 gal., galvanized, steady flow, removable pump, w't per doz. 96 lbs. .....per dozen **AAGJ** $17.50

No. 165—5 gal., galvanized iron, flush tin top and tin cover, removable, continuous stream, non-overflow pump, w't per doz. 70 lbs., per dozen .....**ADDJ** $24.00

ONE-QUARTER DOZEN IN A CRATE.

GASOLINE.



018 to 58.



No. 555.

Lettered "Gasoline."

No. 555—5 gal., delivery, legal red, all 26 ga., galvanized iron can, with large spout for automobile purposes, w't per doz. 70 lbs. ...per dozen **ACBJ** $15.50

No. 018—1 gal., legal red, all tin, w't per doz. 20 lbs., per dozen **BAJ** $3.75

Legal Red, Galvanized Iron.

Nos.	18	28	38	58
Cap., gal.	1	2	3	5
W't doz., lbs.	21	32	60	68
Per dozen	$4.00	6.00	8.00	10.00
	BFJ	**CHJ**	**EDJ**	**JFFJ**

No. 59—10 gal., legal red, galvanized iron with side handles and wood false bottom outside, w't per doz. 160 lbs., per dozen .....**ADDJ** $19.50

Exact 5 gal. capacity for measuring.

NOS. 018 AND 18, ONE DOZEN; NOS. 28 AND 38, ONE-HALF DOZEN; NOS. 58, 59 AND 555, ONE-QUARTER DOZEN IN A CRATE.



No. 558—5 gal., legal red, 26 ga., galvanized iron, lay down, ¾ in. brass angle faucet, w't per doz. 75 lbs., per dozen .....**AJEJ** $14.00



No. 755.



No. 655.

No. 755—5 ga., legal red, 28 gauge galvanized, funnel tube tapered to 1¼ in., galvanized outlet, heavy tinned bail with large wood, riveted ears, w't per doz. 120 lbs. ..per dozen **ADDJ** $14.00

No. 655—To measure 5 gal., legal red, galvanized iron, bailed, 7 in. bent spout 1¼ in. outlet, fitted with chained wood plug, w't per doz. crtd. 110 lbs. .....per dozen **ACBJ** $20.00

ONE-QUARTER DOZEN IN A CRATE.

OIL CANS, TALLOW BUCKETS, ETC.

SAFETY BENZINE CANS.



Legal Red, Underwriters' Approved, Heavy Galvanized, Self-Closing Prass Fittings.

Quarts	1	2	4
W't, doz., lbs..	15	21	27
Per dozen	$18.00	21.00	24.00
	AJHJ	ABFJ	ADDJ

Quarts	8	20
W't per doz., lbs.	60	87
Per dozen	$30.00	60.00
	BDJJ	CFJJ

WOOD JACKET CANS.



Cone Top.

Gallons	1	2	3
W't per doz., lbs....	15	24	30
Per dozen	$5.40	6.60	8.40
	BDJ	CJJ	CHJ

Gallons	5	10
W't per doz., lbs.	46	78
Per dozen	$10.20	18.00
	JDEJ	JHAJ

With Spout.

No. 55—5 gal., w't per doz. 48 lbs., per dozen .....JEBJ $11.70



No. 8. No. 9.

Glass.

No. 8—1 gal., tin jacket, w't per doz. 60 lbs. .....per dozen BDJ $4.00

No. 9—1 gal., improved wire jacket, removable fount, w't per doz. 58 lbs., per dozen .....CFJ $6.50

NO. 8, ONE DOZEN; NO. 9, ONE-HALF DOZEN IN A CRATE.

RAILROAD CANS.

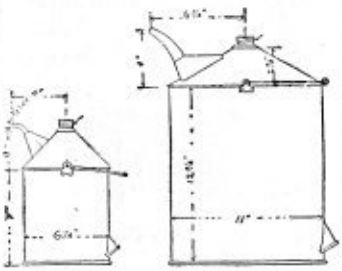


Nos. 401 to 405. No. 455.

Black Brazed Steel, Spout, Chained 2 in. Screw Top.

Nos.	401	402	405
Capacity, gal.,	1	2	5
W't, doz., lbs..	39	56	85
Per dozen	$24.00	30.00	50.00
	ABFJ	AFEE	BFAJ

No. 455—5 gal. black brazed steel, 2 in. pouring nozzle, with wood plug chained, w't per doz. 90 lbs., per dozen .....BFAJ $50.00



No. 510. No. 515.

Heavy Tin, Screw Top.

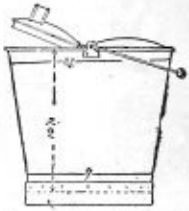
Nos.	510	512	515
Capacity, gal..	1	2	5
W't, doz., lbs..	15	24	48
Per dozen	$10.00	11.50	20.00
	JDJJ	JEEJ	JHDJ



No. 610—10 gal., No. 26 gauge galvanized iron, cone top, w't per doz. 100 lbs., per dozen .....AEIJ $30.00

LOOSE.

RAILROAD BUCKETS.



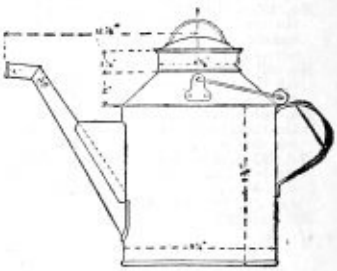
No. 594—Dope, 2½ gal., No. 24 gauge galvanized iron, riveted galvanized iron foot, hinged lid, per dozen .....JHFE $16.00

TALLOW BUCKETS.



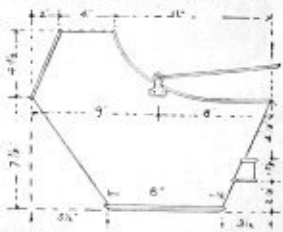
No. 518—2 gal., No. 24 gauge galvanized iron, double seamed bottom, wired, per dozen .....DIJ $9.00

POURING CANS.



No. 592—2½ gal., No. 24 gauge galvanized iron, wired bottom, per dozen .....ABJJ $21.00

RAILROAD SAND HODS.



No. 526—17 in., No. 24 gauge, galvanized double seamed and heavy wired, w't per doz. 56 lbs.....per dozen AJHJ $18.00

LOOSE.

TORCHES, FILLERS AND OILERS.

FILLERS.



No. 551.



No. 553.

No. 551—3 pt., 7¼ in. diam., XXX tin, w't per doz. 10 lbs., per dozen.....**CBJ** $6.00

No. 553—2 qt., 8 in. diam., heavy brazed black steel, indestructible, lamp filler, screw top, w't per doz. 20 lbs., per dozen .....**JGEJ** $15.00

LOOSE.



Nos. 309 and 310



Nos. 410 and 411.

Spun Tin. Screw Top.

No. 309—1½ pt., 5¼ in. diam., w't per dozen 7½ lbs...per dozen **CIJ** $7.00

No. 310—2 pt., 6 in. diam., w't per doz. 9 lbs.....per dozen **EAJ** $9.00

Copperized Steel, Screw Top.

No. 410—2 pt., 5 in. diam., w't per doz. 12 lbs. per dozen .....**JFCJ** $20.00

No. 411—4 pt., 6 in. diam., w't per doz. 17 lbs.....per dozen **JGEJ** $34.00

ONE-HALF DOZEN IN A BOX.

TALLOW POTS.



Nos. 589 and 590



Nos. 212 and 213.

No. 589—1 qt., XXX tin, inset bottom, 4⅛ in. diam., w't per doz. 12 lbs., per dozen .....**DEJ** $8.00

No. 590—2 qt., XXX tin, inset bottom, 5¼ in. diam., w't per doz. 13½ lbs., per dozen.....**EDJ** $9.00

No. 212—1 qt., 5 in. diam., copperized steel, 1½ in. top plug, w't per doz. 15 lbs.....per dozen **JFIJ** $21.00

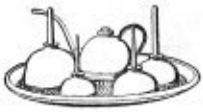
No. 213—2 qts., 6 in. diam., copperized steel, 1½ in. top plug, w't per doz. 24 lbs.....per dozen **JGHJ** $25.00

ONE-HALF DOZEN IN A BOX.



No. 593—2 qt., oval, 7 in. long, 5 in. wide, heavy black brazed steel, indestructible tallow pot, 2 in. screw, w't per doz. 15 lbs., per dozen .....**JIFJ** $20.00

ENGINEER'S SETS.



Copper Plated, consists of one 14 in. tray, one each No. 12, No. 13, No. 14B, No. 16 oilers and one No. 410 filler, w't per doz. sets 54 lbs.

No. 40—Steel,
per dozen sets.....**BAFJ** $45.00

No. 140—Brass,
per dozen sets.....**FJJJ** $114.00

ONE SET IN A BOX.

TORCHES.



No. 531.



No. 532.

No. 531—3½x8 in., XXX tin, handled, engineers' or inspectors' torch, with wrought pipe wick tube, w't per doz. 8 lbs.....per dozen **CJJ** $5.00

No. 532—4½x10 in., heavy black brazed steel, indestructible engineers' and inspectors' torch, w't per doz. 15 lbs., per dozen.....**EAJ** $8.50



No. 528.



No. 533.

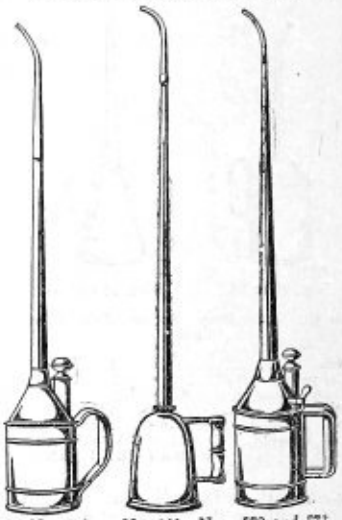
No. 528—4½x4¼ in., XXX tin, hand torch, w't per doz. 6 lbs., per dozen.....**BHJ** $5.00

Heavy Black Brazed Steel, Indestructible

No. 533—6x7½ in., **without double spout,** side handle, 1 in. screw top with hook, w't per doz. 16 lbs., per doz. **DBJ** $7.50

No. 534—6x7½ in., **with double spout,** side handle, 1 in. screw top with hook, w't per doz. 15 lbs., per doz. **EAJ** $9.00

ENGINE AND LOCOMOTIVE.



No. 505. No. 166. Nos. 572 and 573.

No. 503—1 pt., XXX, tin, 14 in. spout, 3¼ in. diam., 19 in. over all, solid spout, w't per doz. 10 lbs., per dozen .....**DEJ** $8.00

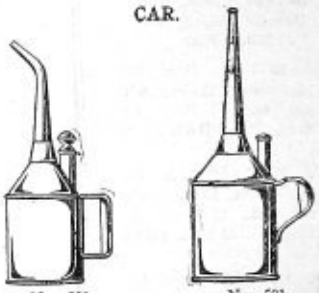
No. 505—2 pt., XXX tin, 20 in. spout, 4½x27 in. over all, solid spout, w't per doz. 12 lbs..per dozen **DHJ** $9.00

No. 166—2 pt., polished brazed steel, 22 in. spout, 4½x28 in. over all, flow controlled by thumb vent, w't per doz. 22 lbs.....per dozen **AECJ** $30.00

No. 572—2 pt., XXX, tin, with 20 in. spout, 4½x28 in. over all, screw tip, brass union, w't per doz. 17 lbs., per dozen .....**JGEJ** $12.00

No. 573—3 pt., XXX, tin, 24 in. spout, 4½x30 in. over all, screw tip with brass union, w't per doz. 19 lbs., per dozen .....**JHAJ** $14.00

CAR.



No. 552. No. 591.

No. 552—1 qt., inspector's, XXX, tin, 4x14 in. over all, w't per doz 12 lbs., per dozen .....**DHJ** $8.00

No. 591—1 gal, XXX, tin, with No. 24 gauge galvanized iron bottom, 6¼x20 in. over all, w't per doz. 18 lbs., per dozen .....**JFCJ** $10.00

OILERS.

ENGINE.



Nos. 91 to 93.



Nos. 38 and 39.

Bright Tin, Brass Screw, Fast Bent Spout.

Nos.	91	92	93
Capacity, pints	1	1½	2
Diam., in.	3	3½	3¼
Spout, in.	8	12	18
W't per doz., lbs.	4	6	7½
Per dozen	$5.00	5.50	6.00
	BAJ	BEJ	BHJ

LOOSE.

No. 091—1 pt., bright tin like No. 91, but without side handle, plain tube for cork stopper, w't per doz. 3½ lbs., per dozen ..... **AGE** $3.75

No. 38—1 pt., pyramid, 4½x13 in. over all, black steel, brazed, flow controlled by thumb vent, w't per doz. 9 lbs.....per dozen **DBJ** $7.50

No. 39—2 pt., 6x17 in. over all, otherwise same as No. 38, w't per doz. 12 lbs.....per dozen **DDJ** $9.00

LOOSE.

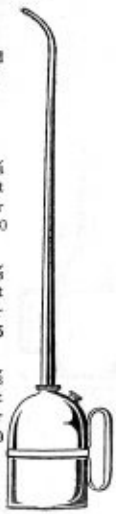
Polished, Coppered Heavy Steel Body and Swiveled Spout, with Brass Collar and Filler Plug.

No. 10—1 pt., diam. 3¼ in., spout 12 in., w't per doz. 10 lbs., per dozen .... **JDAE** $14.00

No. 11—1 qt., diam. 4⅛ in., spout 12 in., w't per doz. 12 lbs., per dozen ....**JEBE** $16.75

No. 118—1 qt., diam. 4⅝ in., spout 18 in., w't per doz. 14 lbs., per dozen ....**JEGJ** $18.00

ONE-HALF DOZEN IN A BOX.



PUMP.



Polished Brass Automobile.

No. 48—½ pt., 3¼ in. diam., 5 in. swivel spout .....per dozen **AADJ** $25.00

No. 48½—½ pt., 3¼ in. diam., 9 in. swivel spout, per dozen **ABJJ** $26.00

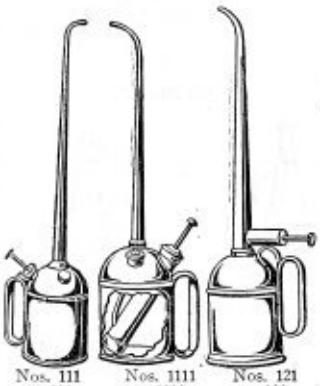
No. 49—1 pt., 4¼ in. diam., 9 in. swivel spout.....per dozen **ABJJ** $30.00

Coppered Steel.

No. 048—Coppered steel, otherwise same as No. 48.....per dozen **JIJJ** $16.00

No. 048½—Coppered steel, otherwise same as No. 48½, per dozen .....**JIFJ** $17.00

No. 049—Coppered steel, otherwise same as No. 49.....per dozen **AJBJ** $18.00



Nos. 111 to 113. Nos. 1111 to 1113. Nos. 121 to 123.

Bright Tin, Pump, Fast Spout.

Nos.	111	112
Capacity, pints	1	1½
Diam., in.	3	4
Spout, in.	7	12
W't per doz., lbs.	6½	10
Per dozen	$8.50	12.00
	EBJ	JFGJ

ONE-HALF DOZEN IN A BOX.

Coppered Pump, Swivel Spout.

Nos.	1111	1112	1113
Capacity, pts.	1	1½	2
Diam., in.	3	4	4
Spout, in.	7	12	16
W't, doz., lbs.	8	12	13
Per dozen	$17.00	20.00	23.00
	JICJ	AAAJ	ABCJ

ONE-HALF DOZEN IN A BOX.

Cannon, XX Tin, Swivel Spout, Brass Union and Pump.

Nos.	121	122
Capacity, pints	1	1½
Diam., in.	3½	4
Spout, in.	8	12
W't per doz., lbs.	8½	11
Per dozen	$14.50	16.00
	JFFJ	JGCJ
Nos.	123	123½
Capacity, pints	2	2
Diam., in.	4	4
Spout, in.	20	12
W't, doz., lbs.	16	16
Per dozen	$18.00	18.00
	JHGJ	JHAJ

ONE-HALF DOZEN IN A BOX.

OILER SPOUTS.



CHACE, Tin.

Length, in.	2	4	5
Per dozen	$0.60	.80	1.00
	CB	CB	JCB



Brass Plated Steel, for Nos. 12 to 16.

Nos.	Straight. 113	115	Bent. 114
Length, in.	3	5	9
Per dozen	$2.75	3.25	4.25
	JHB	AJJ	ACJ

Coppered Steel for 10, 11 and 118 Engine.

Nos.	110	1118
Length, in.	12	18
Per dozen	$5.75	7.00
	BDJ	BGJ

Mowing Machine.

No. 20—3½ in., tin, straight, for No. 210, per dozen ..... **CF** $0.75

No. 20B—3½ in., tin, bent, for No. 210B, per dozen .....**CF** $0.75

No. 28—5 in., tin, straight, for No. 0301, per dozen .....**JCF** $1.75

No. 28-B—5 in., tin, bent, for No. 0301-B, per dozen .....**JCF** $1.75

No. 80—5 in., tin, straight, for No. 301, per dozen .....**JEJ** $1.00

No. 80B—5 in., tin, bent, for Nos. 800B and 301B .....per dozen **JEJ** $1.00

No. 90—5 in., brass plated, straight, for No. 900 .....per dozen **JFJ** $1.50

No. 90-B—5 in., brass plated, bent, for Nos. 900-B and 34, per doz. **JFJ** $1.50

No. 60—5 in., brass plated, straight, for No. 600 .....per dozen **AAJ** $2.50

No. 60-B—5 in., brass plated, bent, for No. 600-B .....per dozen **AAJ** $2.50

OILERS.



No. 51. No. 52.

No. 50—Sewing Machine, tin, diameter 2¼ in., 2¼ in. spout, per dozen ..... CG $0.80

ONE DOZEN IN A BOX.

No. 51—Sewing machine, bright tin, diameter 2 in., 1¼ in. spout, chace pattern .....per dozen JCB $1.00

ONE DOZEN IN A BOX.

No. 52—Phonograph, tin, 1¾ in. diameter, 3 in. bent spout, per dozen ..... JEE $1.25

ONE DOZEN IN A BOX.



Bright, Chace Spring Bottom.

Nos.	00	0	1	2
Diam., in.	2	2⅛	2⅜	3¼
Spout, in.	2	2	2	4
Capacity, oz.	¾	1¼	2	4
Per dozen	$1.00	1.25	1.50	2.00
	JCH	JDA	JEJ	JFE

Nos.	3	4	5	6
Diam., in.	3¼	4	4½	4⅝
Spout, in.	4	5	5	5
Capacity, oz.	6	8	11	14
Per dozen	$2.25	2.75	3.50	4.50
	JGJ	JIJ	AAE	ADJ

NOS. 00 AND 0, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

1 TO 5 LBS. PER DOZEN.

Coppered Zinc, Chace Spring Bottom.

Nos.	61	62	63	64
Diam., in.	2⅝	3¼	3¾	4
Spout, in.	2	4	4	5
Capacity, oz.	2	4	6	8
Per dozen	$2.25	3.00	3.50	4.00
	JHE	AAJ	ABE	ADE

ONE-HALF DOZEN IN A BOX. W'T 1 TO 4 LBS. PER DOZEN ACCORDING TO SIZE.



Self-Righting, with Drip Cup, Brass Spring Bottom.

Nos.	81	82
Diam., in.	3	3¼
Spout, in.	3¼	3¾
W't per doz., lbs.	4	4½
Per dozen	$3.50	4.00
	AEE	AHJ

ONE-HALF DOZEN IN A BOX.



Nos. 12 to 15A. Nos. 14 to 16.

Wide Mouth, Brass Plated Seamless Steel Body, Double Seamed Spring Steel Bottom.

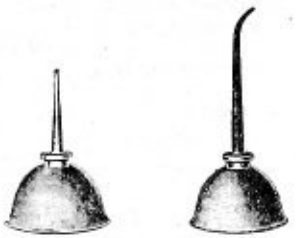
Nos.	12	13	13A	14A
Capacity, pt.	1-5	½	½	½
Diam., in.	2¾	3⅛	3⅛	3¾
Spout, in.	3	3	5	3
Per dozen	$4.50	5.50	6.00	7.50
	AAJ	ACJ	ADE	AHJ

Nos.	14AA	15	15A
Capacity, pt.	½	1	1
Diam., in.	3¾	4⅝	4⅞
Spout, in.	5	3	5
Per dozen	$8.00	9.25	9.75
	AIJ	BBJ	BCE

Nos.	14	14B	16
Capacity, pt.	½	½	1
Diam., in.	3⅛	3¼	4⅝
Spout, bent, in.	9	9	9
Per dozen	$6.50	8.50	10.50
	AEE	BJE	JBEJ

W'T PER DOZEN 3 TO 6 LBS.

ONE DOZEN IN A BOX.



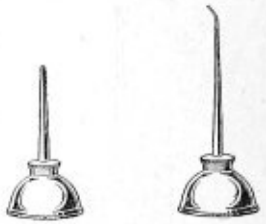
Nos. 23 and 24. Nos. 25 and 26.

Polished Bright Steel Body and Spout, Seamed Spring Steel Bottom, Solid Knurled Brass Thumb Washer with Cut Threads.

Nos.	23	24
Capacity, pt.	½	½
Diam., in.	3⅛	3¾
Spout, in.	3	4
W't per doz., lbs.	4	4½
Per dozen	$12.00	15.00
	JBDJ	JCJJ

Nos.	25	26
Capacity, pt.	¾	1
Diam., in.	4⅛	4½
Spout, bent, in.	6	9
W't per doz., lbs.	5	7
Per dozen	$19.00	22.00
	JCIJ	JDFJ

ONE-HALF DOZEN IN A BOX.



Coppered Seamless Steel, Double Seamed Spring Bottom.

Nos.	012	013	014AA	015A
Capacity, pt.	1-5	½	½	1
Diam., in.	2¾	3⅛	3¾	4¼
Spout, in.	2½	3	5	5
Per dozen	$4.50	5.50	8.00	9.75
	JHE	AJJ	ADE	AHJ

Nos.	014	014B	016
Capacity, pt.	½	½	1
Diameter, in.	3⅛	3¾	4⅝
Spout, bent, in.	5	9	9
Per dozen	$6.50	8.50	10.50
	AAE	AGJ	BJE

W'T PER DOZEN 3 TO 5 LBS.

ONE DOZEN IN A BOX.



Pump, Coppered Heavy Steel with Patented Pump.

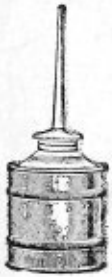
Nos.	713	713A	714A
Capacity, pt.	⅓	⅓	½
Diam., in.	3⅛	3⅛	3¾
Spout, in.	3	5	3
Per dozen	$8.00	9.00	11.00
	AFJ	AHJ	JBAE

Nos.	715	714
Capacity, pt.	1	½
Diam., in.	4⅛	3⅜
Spout, in.	3	bent 9
Per dozen	$14.00	10.00
	JBGJ	JAIJ

This oiler combines all the requirements of a pump oiler at a nominal price. For automobilists and machinists.

ONE-HALF DOZEN IN A BOX.

WIDE MOUTH MOWING MACHINE OILERS.



No. 210.

Bright Tin, Spring Bottom, 1 Pint, Diam. 3 Inches, 3½ Inch Spout, 1½ Inch Opening.

No. 210—Straight, w't per gro. 27 lbs., per gross .....**JFEJ** $11.00

No. 210-B—Bent, w't per gro. 27 lbs., per gross .....**JFEJ** $11.00

ONE DOZEN IN A PACKAGE.



Breech Lock, 5 Inch Spout, 1⅛ Inch Opening, 3 Inch Diameter, Coppered Seamless Steel Oilers.

No. 620—Straight, w't per gro. 50 lbs., per gross .....**AECJ** $25.00

No. 620-B—Bent, w't per gro. 50 lbs., per gross .....**AECJ** $25.50

ONE DOZEN IN A BOX.



Kup Kan complete. Top. Spring Bottom.

No. 1285—Kup Kan, 2 in. friction top, coppered seamless 3 in. oiler, 4 in. spout, patent spring bottom, w't per gross 36 lbs.....per gross **BEBJ** $42.00

ONE DOZEN IN A BOX.



No. 0301.

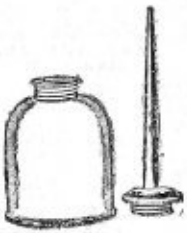
AJAX, 1 Pint, 3 in. Coppered Spring Steel Bottom, Body Enameled Yellow, 1½ in. Opening, 5 in. Bright Tin Spout.

No. 0301—Straight, w't per gro. 30 lbs., per gross.....**AJDJ** $18.00

No. 0301-B—Bent, w't per gro. 30 lbs., per gross.....**AJDJ** $18.00

Supplied with customer's name in gross lots only, without extra charge, in any one color, yellow red, blue or green.

ONE DOZEN IN A PACKAGE.



No. 301.

CRUSO, 1⅛ Inch Wide Mouth, Seamless Enameled Red, Coppered Spring Bottom, Diameter 3 in., 5 in. Coppered Spout and Knurled Washer.

No. 301—CRUSO, Straight, w't per gro. 40 lbs, ...per gross **ADDJ** $24.00

No. 301-B—CRUSO, Bent, w't per gro. 40 lbs.....per gross **ADDJ** $24.00

Well made and very attractive.

Supplied with customer's name in gross lots only, without extra charge, in any one color, red, blue, yellow or green. Assorted with Ajax, if desired.

ONE-HALF DOZEN IN A BOX.



No. 919—1 pt., seamless coppered "funnel kan" oiler, straight spout only, w't per gro. 40 lbs., per gross.....**BBHJ** $42.00

ONE DOZEN IN A BOX.



No. 600.

Brass Plated Heaviest Steel, 1¼ in. Wide Mouth, Largest 3½ in. Deep Under Breast, Heavy Steel Washer, Solid Cast Screw Plug, Double Seamed Spring Steel Bottom, Diameter 3 in., 5 in. Spout.

No. 600—Straight, w't per gro. 70 lbs.....per gross **BGJJ** $40.00

No. 600B—Bent, w't per gro. 70 lbs.....per gross **BGJJ** $40.00

The biggest and best in mowing machine oilers.

ONE-HALF DOZEN IN A BOX.



No. 900.

Heavy Coppered Seamless Steel, 1¼ Inch Clear Opening with 5 Inch Screw Spout, Gasoline Tight, Brass Plated Spring Steel, double seamed bottom.

No. 900—Straight, w't per gro. 54 lbs.....per gross **BJGJ** $33.00

No. 900B—Bent, w't per gro. 54 lbs.....per gross **BJGJ** $33.00

These are the profit payers in high grade.

ONE-HALF DOZEN IN A BOX.



No. 800.

Wide Mouth, Coppered, Spring Bottom, 1 Pint, Diam. 3 Inches, 5 Inch Spout, 1⅛ Inch Opening, Brass Collar and Knurled Washer.

No. 800—Straight, w't per gro. 35 lbs., per gross .....**AJHJ** $23.00

No. 800-B—Bent, w't per gro. 35 lbs., per gross.....**AJHJ** $23.00

ONE DOZEN IN A BOX.





HOUSE FURNISHING GOODS

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





MOUNTED CASSEROLES, BEAN POTS, ETC.

Cooking in earthenware is becoming more popular every day, because of its many advantages. Food cooked in this way is delicious, and is taken direct from the stove to the dining room to be served piping hot.

The dishes being glazed, the work of cleaning is very simple.

In appearance, mounted eathernware is very effective—the bright polished metal with the rich brown pottery—making a handsome showing on the dining table.

CASSEROLES.



Extra Heavy Brass Frames, Cast Britania Metal Handles and Feet, Silver Nickel Plate, Brown, White Lined Pottery Inserts.

Round.

No. 968—Capacity 1½ qts., diameter 8 in., w't each 5 lbs., each **BDJ** $4.50

Oval.

No. 993—Capacity 2½ pts., 8¼x6 in., w't each 5 lbs. .....each **BDJ** $4.50



Solid Brass Frames, Highly Polished and Heavily Plated in Silver Nickel, Brown, White Lined Pottery Inserts.

Round.

No. 367—Capacity 1 qt., diameter 7 in., w't each 4 lbs. .....each **AAJ** $2.25

No. 368—Capacity 1½ qt., diameter 8 in., w't each 5 lbs. .....each **ABJ** $2.50

No. 369—Capacity 2½ qt., diameter 9 in., w't each 6 lbs. .....each **BAJ** $4.00

Oval.

No. 392—Capacity 1½ pts., 7⅛x5⅛ in., w't each 3¼ lbs. .....each **BAJ** $2.25

No. 393—Capacity 2½ pts., 8¼x6 in., each 4¼ lbs. .....each **ABJ** $2.50

No. 394—Capacity 2 qts., 8¾x6¾ in., w't each 5½ lbs. .....each **BAJ** $4.00



Solid Brass Frames Highly Polished and Heavily Plated in Silver Nickel, Brown, White Lined Pottery Inserts.

Round.

No. 667—Capacity 1 qt., diameter 7 in., w't each 4 lbs.....each **AAE** $2.10

No. 668—Capacity 1½ qt., diameter 8 in., w't each 5 lbs.....each **ACJ** $2.40

Oval.

No. 692—Capacity 1½ pts., 7¾x5¾ in., w't each 3 lbs.....each **AAE** $2.10

No. 693—Capacity 2½ pts., 8¼x6 in., w't each 4¼ lbs.....each **ACJ** $2.40

ONE IN A CORRUGATED CARTON.

CASSEROLES.



Solid Brass Frame, Nickel Plated and Polished, Black Mission Handles White Lined Brown Pottery Inserts.

Round.

No. 269—Capacity 1 qt., diameter 7 in., w't 4 lbs.....each **ACJ** $2.75

No. 271—Capacity 1½ qts., diameter 8 in., w't 5 lbs.....each **AEJ** $3.25

No. 273—Capacity 2¼ qts., diameter 9 in., w't 6 lbs.....each **BDJ** $5.75

Oval.

No. 270—Capacity 1½ pts., 7⅛x5⅛ in., w't 3¼ lbs.....each **ACJ** $2.75

No. 272—Capacity 2½ pts., 8¼x6 in., w't 4¼ lbs.....each **AEJ** $3.25

No. 274—Capacity 2 qts., 9⅛x6¾ in., w't 5½ lbs.....each **BDJ** $5.75



Brass Frame, Heavily Nickel Plated, Basket Weave Design, Ebonized Wood Handles, Best Grade Brown, White Lined Pottery Inserts.

No. 470—Round, capacity 1½ qts., diameter 8 in., w't 4½ lbs., each .....**BAE** $5.00

No. 471—Oval, capacity 2½ pts., 8¼x6 in., w't 4 lbs.....each **BAE** $5.00

ONE IN A CORRUGATED CARTON.

BEAN POTS.



Seamless Brass Frame, Heavily Nickel Plated and Polished, Best Quality White Lined Brown Pottery Inserts.

No. 213—Capacity 1 qt., diameter 5¼ in., w't 4½ lbs., each **BDJ** $5.00

No. 214—Capacity 2 qts., diameter 6¼ in., w't 6½ lbs.....each **BGJ** $5.75

ONE IN A CORRUGATED CARTON.

PIE DISHES.



Brass Nickel Plated Frame, White Lined Brown Pottery Inserts. Made with Side Handles.

No. 231—Diameter 10 in., w't 3 lbs., each .....**ABJ** $2.50

ONE IN A CARTON.

RAMEKINS.



Brass Nickel Plated Frame, White Lined Brown Pottery Inserts.

No. 35—Diameter 3½ in., set of 6, w't 3 lbs.....per set **AHJ** $3.75

ONE SET IN A CARTON.

MOUNTED EARTHENWARE, ETC.

MOUNTED EARTHENWARE ASSORTMENT.



No. 593.



No. 35.



Nos. 667, 668, 692 & 693.



No. 231.



No. 503.



No. 810.



Nos. 271 & 272.

No. 2200—Consists of seventeen pieces. All frames solid brass, heavily nickel plated and polished. All ware rich brown with white lining.

Contents.

One **No. 667**—7 in. Round 1 qt. Casserole	each	$2.10
One **No. 668**—8 in. Round 1½ qt. Casserole	each	2.40
One **No. 692**—7 in. Oval 1½ pt. Casserole	each	2.10
One **No. 693**—8 in. Oval 2½ pt. Casserole	each	2.40
One **No. 593**—8 in. Oval 2½ pt. Casserole	each	2.50
One **No. 271**—8 in. Round 1½ qt. Casserole	each	3.25
One **No. 272**—8 in. Oval 2½ pt. Casserole	each	3.25
One **No. 503**—5¼x4¼ in. Bean Pot	each	2.40
One Set—6—**No. 35**—3½ in. Ramekins	each	3.00
One **No. 231**—10 in. Pie Dish	each	2.00
One **No. 810**—Serving Tray, 12 in., imitation tapestry bottom	each	1.35
One **No. 811**—Serving Tray, 12 in. mirror bottom	each	1.80
Per Assortment	**AFEJ**	$28.55

Each item packed in individual carton.

Assortment complete packed for shipment w't 48 lbs.

CASSEROLES FOR METAL FRAMES.



Round.

Nos.	67	68	69
Capacity, actual, qts.	1	1½	2¼
For frame, in.	6¼	7⅛	8¾
W't per doz., lbs.	30	42	60
Per dozen	$8.40	12.00	18.00
	DJE	**JEGE**	**JHFE**

Oval.

Nos.	920	930	940
Capacity, actual, pts.	1½	2¼	4
For frame, in.	6½x4⅞	7¾x5½	8¼x6¼
W't per doz., lbs	25	30	48
Per dozen	$7.20	10.20	18.00
	DBJ	**JEGE**	**JHFE**

CUSTARD CUPS.



No. 1—3x2¼ in., w't per doz. 3½ lbs., per dozen ..... **JFJ** $1.05

No. 2—3½x2¾ in., w't per doz. 4 lbs., per dozen ..... **JHJ** $1.40

NO. 1, SIX DOZEN; NO. 2, FOUR DOZEN IN SHIPPING CARTON.

OCTAGON RAMEKINS.



No. 1—3¼x2 in., w't per doz. 3½ lbs., per dozen ..... **AJE** $1.70

FOUR DOZEN IN A SHIPPING CARTON.

COVERED BEAN POTS.



Round, Glazed Earthenware, Covered.

Nos.	1	2	3
Capacity, pts.	1	1½	2
W't per doz. lbs.	11	18	23
Per dozen	$3.20	4.20	5.40
	AIJ	**BEJ**	**CAE**

Nos.	4	5
Capacity, pts.	3	4
W't per doz., lbs.	35	44
Per dozen	$6.50	7.80
	CHE	**DDE**

NAPPIES.



No. 32—Capacity 2½ pts., diam. 8 in., w't per doz. 24 lbs., per dozen ..... **AHJ** $3.00

BOWLS.



No. 33—Capacity 2 qts., diam. 9 in., w't per doz. 15 lbs., per dozen ..... **AIJ** $3.25

GUERNSEY EARTHENWARE AND ROASTERS.

CASSEROLES.



Round, Glazed Earthenware,	Covered.	
Nos.	5	7
Capacity, qts.	1½	3
Size, in.	7x3¼	9x3¼
W't per doz., lbs.	40	60
Per dozen	$10.00	14.50
	JEAJ	JHBJ
Nos.	9	10
Capacity, qts.	5	7
Size, in.	10x5¼	11x5¾
W't per doz., lbs.	85	100
Per dozen	$22.00	26.40
	ACHJ	AGAJ



Oval, Glazed Earthenware,	Covered.	
Nos.	92	93
Capacity, pts.	1½	2
Size, in.	7	8
W't per doz., lbs.	18	30
Per dozen	$7.20	10.20
	DAE	JEJE
Nos.	94	95
Capacity, qts.	2	3½
Size, in.	9	10
W't per doz., lbs.	40	52
Per dozen	$18.00	24.00
	JHHJ	ABIE



Round.

No. 77—Capacity 3¼ pts., size 7x3¼ in., w't per doz. 45 lbs., per dozen ..... DHJ $8.25

GUERNSEY TEA POTS.



Boston.

No. 22—Capacity 2 pts., w't per doz. 18 lbs. .....per dozen CIJ $7.40

No. 23—Capacity 3 pts., w't per doz. 24 lbs. .....per dozen JEJE 10.80

Boston Tea Pot Assortments.

No. 6 contains—

½ doz. No. 22 Boston Tea Pots	$7.40	$3.70
½ doz. No. 23 Boston Tea Pots	10.80	5.40
W't per assortment 45 lbs., per assortment	DDE	$9.10

ROASTERS.



Brownie. Nos. 2, 3 and 4.

Sheet Steel with Ventilator, Indented Top and Bottom.

No. 09—Brownie, 14x9x6 in., w't per doz. 30 lbs.....per dozen BBJ $5.00

No. 010—Brownie, 15x10x6½ in., w't per doz. 35 lbs.....per dozen BFJ $6.00

No. 012—Brownie, 17½x12x7½ in., w't per doz. 45 lbs..per dozen CCJ $7.00

Sheet Steel, with Runners, Hinged Cover Sliding Vent, Perforated Tray.

No. 2—15x10x7 in., w't per doz. 42 lbs., per dozen .....JFFE $13.20

No. 3—16x11x8 in., w't per doz. 55 lbs., per dozen .....JGHJ $15.00

No. 4—18x13x9 in., w't per doz. 70 lbs., per dozen .....JIJJ $18.00

ONE DOZEN IN A CRATE.



No. 400—Savory, seamless blued steel, size 20x13x9½ in., w't per doz. 85 lbs., per dozen .....BAFJ $25.00

ONE-QUARTER DOZEN IN A CRATE.



No. 0—Ideal, blued steel, 10x10 in., each pan 2½ in. deep, w't per doz. 22 lbs., per dozen .....CDJ $6.50

Consists of two nestable pans, one forms cover for other and so used makes a most effective roaster. May be used separately as drip or bread pan.

ONE DOZEN IN A BOX.

CRUSO ROASTERS.



Seamless Oval, Self-Basting, Uniform Color, Smooth Steel.

No. 118—18x12x8 in., w't per doz. 64 lbs., per dozen .....JGBJ $10.00

The bottom pan is conceived, a channel for holding water runs all around the seamless edge. Inside this channel is the raised center-portion. This in turn is formed into a sort of pit, right over which the meat rests. This pit is raised up from the bottom level of the pan, giving air space beneath, thus preventing burning.

ONE-QUARTER DOZEN IN A SHIPPING CARTON.

All goods branded CVB are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling CVB articles there is profit for you and satisfaction to your customers.

The body of Guernsey Earthenware is as near fire-proof in construction as earthenware can be made. The exterior appearance is a rich brown with a spotless white porcelain interior, making each item absolutely sanitary and acid proof. Food cooked and served can be left in the vessel indefinitely without danger of ptomaine poisoning. It will stand any heat if not exposed to direct blaze. Like a glass chimney, cold water in basting or sudden chill, will crack it when hot.

DRIP AND FRY PANS, ETC.

DRIP PANS.



Blued Smooth Steel.

Size, in.	6x9	6½x13	7x9
W't per doz., lbs.	8	10	9
Per dozen	$1.75	2.45	2.00
	JDE	JFE	JEJ
Size, in.	**7x10**	**7x14**	**8x10**
W't per doz., lbs.	9	12	11
Per dozen	$2.10	2.65	2.20
	JEE	JFJ	JEE
Size, in.	**8x12**	**8x15**	**8x17**
W't per doz., lbs.	12	13	14
Per dozen	$2.55	3.05	3.45
	JFE	JGE	JHE
Size, in.	**9x12**	**9x14**	**9x17**
W't per doz., lbs.	12	13	14
Per dozen	$2.60	3.00	3.75
	JEE	JGE	JIE
Size, in.	**10x10**	**10x12**	**10x14**
W't per doz., lbs.	12	13	14
Per dozen	$2.75	3.05	3.40
	JGJ	JGE	JHE
Size, in.	**10x15**	**10x16**	**10x17**
W't per doz., lbs.	14	15	17
Per dozen	$3.50	3.75	4.00
	JIJ	JIE	AJJ
Size, in.	**10x19**	**11x15**	**11x16**
W't per doz., lbs.	19	16	18
Per dozen	$4.25	3.90	4.15
	AAJ	JIE	AJE
Size, in.	**12x12**	**12x15**	**12x17**
W't per doz., lbs.	15	18	19
Per dozen	$3.50	4.20	4.45
	JIJ	AJE	AAJ
Size, in.		**12x19**	**14x15**
W't per doz., lbs.		22	20
Per dozen		$4.85	4.75
		ABJ	ABJ
Size, in.	**14x17**	**16x17**	**18x19**
W't per doz., lbs.	21	24	29
Per dozen	$5.00	5.50	6.50
	ABE	ADJ	AFJ

THREE DOZEN IN A CRATE.

Extra Deep.

8½x12½x3½ in., w't per doz. 14 lbs., per dozen ..... ACE $5.00

9¼x14½x3⅝ in., w't per doz. 15 lbs., per dozen ..... ADE $6.00

10¼x15½x3⅝ in., w't per doz. 17 lbs., per dozen ..... AEJ $7.00

12½x17½x4 in., w't per doz. 24 lbs., per dozen ..... BJJ $9.00



Riveted Acme, Polished, Cold Handle.

Nos.	00	0	1
Diam., in.	6	8	8½
W't per doz., lbs.	5	8	10
Per dozen	$2.50	3.00	3.75
	JEJ	JGJ	JHE
Nos.	**2**	**3**	**4**
Diam., in.	9	9½	10
W't per doz., lbs.	12	14	16
Per dozen	$4.25	4.75	5.25
	JIE	AJE	AAE
Nos.	**5**	**6**	**7**
Diam., in.	11	12	13
W't per doz., lbs.	18	20	22
Per dozen	$6.00	7.00	8.00
	ACE	AEE	BJE

ONE-QUARTER DOZEN IN A BUNDLE.

DRIP PANS.



Seamless—Sanitary.

Nos.	1	2	3	4
Size, in.	6x9	6½x13	7x10	7x14
W't, doz., lbs.	4¼	7	5¼	7¾
Per dozen	$2.15	2.95	2.55	3.15
	JFJ	JFJ	JFE	JHE
Nos.	**5**	**6**	**6½**	**8**
Size, in.	8x10	8x12	8x17	9x12
W't, doz., lbs.	6	7½	11	8
Per dozen	$2.65	3.10	4.00	3.15
	JGJ	JHJ	AJE	JHE
Nos.	**9**	**10½**	**11**	**12**
Size, in.	9x14	9x17	10x12	10x14
W't, doz., lbs.	9¼	13¼	9½	10¼
Per dozen	$3.60	4.50	3.70	4.10
	JIE	ABJ	JIE	AAJ
Nos.	**13**	**14**	**14½**	**16**
Size, in.	10x15	10x16	10x17	11x15
W't, doz., lbs.	12	13	14	13
Per dozen	$4.20	4.50	4.90	4.70
	AAJ	ABJ	ACJ	ABE
Nos.	**17**	**18**	**19**	**20**
Size, in.	11x16	12x12	12x15	12x17
W't, doz., lbs.	14	11½	14	15¼
Per dozen	$4.95	4.20	5.00	5.35
	ACJ	AAJ	ACJ	ACJ
Nos.	**21**	**23**	**24**	**25**
Size, in.	13x13	14x15	16x17	18x19
W't, doz., lbs.	13½	15¾	19½	25¼
Per dozen	$4.75	5.70	6.60	7.80
	ABE	AEJ	AGE	BAJ

These pans are stamped in one piece from cold rolled steel, corners are rounded, handles electrically welded, inside perfectly smooth. No place for grease and dirt to collect. Absolutely sanitary.

THREE DOZEN IN A CRATE.

FRY PANS.



Deep Hotel Pattern, Polished.

Nos.	16	18	20	24
Diam., in.	6½	7½	8	9½
W't, doz., lbs.	10	12	14	18
Per dozen	$3.50	4.25	5.00	6.25
	AGE	BAJ	BDJ	CJJ
Nos.	**28**	**32**		**36**
Diam., in.	11	13		14½
W't., doz., lbs.	28	36		40
Per dozen	$8.50	11.25		14.00
	CHJ	JDGJ		JEGJ

GOLD PANS.



No. 1—Polished steel, 16¼x2⅛ in., w't per doz. 24 lbs., per dozen **BCE** $6.00

★*FOR FACTORY SHIPMENT ONLY.*

SANITARY DRIP PAN ASSORTMENTS.



No. 14—Nesco assortment, contains 14 dozen assorted staple size pans as listed below, and steel display rack, w't 210 lbs. ....per asst. **BEBJ** $45.00

Quantity	Size	Sell Each	Total
½ dozen	6x 9	$0.10	$0.60
½ dozen	6½x13	.10	.60
½ dozen	7x10	.10	.60
½ dozen	7x14	.15	.90
½ dozen	8x10	.10	.60
½ dozen	8x12	.15	.90
½ dozen	8x17	.15	.90
½ dozen	8½x15	.15	.90
½ dozen	9x12	.15	.90
½ dozen	9x14	.15	.90
½ dozen	9x15	.15	.90
½ dozen	9x17	.20	1.20
½ dozen	10x12	.15	.90
½ dozen	10x14	.15	.90
½ dozen	10x15	.15	.90
½ dozen	10x16	.15	.90
½ dozen	10x17	.25	1.50
½ dozen	11x11	.15	.90
½ dozen	11x15	.20	1.20
½ dozen	11x16	.20	1.20
½ dozen	12x12	.15	.90
½ dozen	12x15	.20	1.20
½ dozen	12x17	.20	1.20
½ dozen	13x13	.20	1.20
½ dozen	14x14	.20	1.20
½ dozen	14x15	.25	1.50
½ dozen	16x17	.25	1.50
½ dozen	18x19	.25	1.50
14 dozen		Total retail value	$28.50

No. 18—Nesco assortment contains 18 dozen leading size pans, complete with wrought steel display rack 40½x58 in., per assortment ..... **BDJJ** $40.00

Quantity	Size	Sell Each	Total
1 dozen	6x 9	$0.08	$0.96
1 dozen	6½x13	.10	1.20
1 dozen	7x10	.10	1.20
1 dozen	7x14	.12	1.44
1 dozen	8x10	.10	1.20
1 dozen	8x12	.12	1.44
1 dozen	9x12	.12	1.44
1 dozen	9x14	.14	1.68
1 dozen	10x12	.14	1.68
1 dozen	10x14	.15	1.80
1 dozen	10x15	.15	1.80
1 dozen	11x15	.16	1.92
1 dozen	11x16	.18	2.16
1 dozen	12x12	.15	1.80
1 dozen	12x17	.20	2.40
1 dozen	13x13	.20	2.40
1 dozen	14x14	.25	3.00
1 dozen	14x15	.25	3.00
18 dozen		Total retail value	$32.52

STEEL HOLLOW WARE.

STEEL SPIDERS.



REVERE.

Extra Heavy, Polished.

Nos.	7	8	9
Diam., in.	8	9	10
W't, lbs.	2	3	3½
Per dozen	$7.80	9.00	10.80
	BEJ	CBE	JCIJ

Nos.	10	12
Diam., in.	11	12
W't, lbs.	4	4½
Per dozen	$13.20	15.60
	JEJE	JFEJ



CRUSO.

Light, Polished, Cold Handle.

Nos.	07	08	09
Diam., in.	8	9	10
W't, lbs.	1¼	1½	1¾
Per dozen	$6.60	7.80	9.00
	ADE	AFJ	BJE

STEEL GRIDDLES.



Polished.

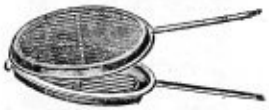
Nos.	8	9	10
Diam., in.	9	10	11
W't, lbs.	1¾	2	2¾
Per dozen	$7.20	8.40	9.60
	BIJ	CCE	CIJ



Polished.

Nos.	12	14	16
Diam., in.	12	14	16
W't, lbs.	3½	4	4½
Per dozen	$12.00	13.80	15.60
	JDHJ	JEGJ	JFEJ

STEEL BROILERS.



No. 80—Crown, round, stamped steel body and handles, diameter 9½ in., w't per doz. 14 lbs.,
per dozen .....BGJ $6.00

FLAT STEEL KETTLES.



Tinned Inside and Out.

Nos.	7	8	9
Diam., in.	8½	9¾	10¼
W't, lbs.	4	5	5½
Per dozen	$18.00	21.00	24.00
	AAGJ	ACEJ	AEFJ

R. B. STEEL KETTLES.



Tinned Inside and Out.

Nos.	8	9
Diam., in.	9¼	10¼
W't, lbs.	4½	5
Per dozen	$21.00	24.00
	ACEJ	AEFJ

FRIERS.



Smooth, Black Steel Pan, Tinned Wire Basket.

No. 08—8x2 in. pan, 7½ in. basket, w't per doz. 14 lbs., per dozen CCJ $5.00
No. 09—9½x2¼ in. pan, 9 in. basket, w't per doz. 22 lbs., per dozen DCJ $9.00
No. 010—10x2½ in. pan, 9½ in. basket, w't per doz. 24 lbs.,
per dozen .....JEBJ $12.00



Deep, Polished Steel Pan, Tinned Wire Basket.

No. 0100—10x4 in. pan, 9½ in. basket, w't per doz. 27 lbs.,
per dozen .....JIEJ $13.00
No. 0120—12x4½ in. pan, 11 in. basket, w't per doz. 39 lbs.,
per dozen .....AAAJ $15.00

HOTEL FRIERS.



Wrought Steel, Extra Deep, Polished, Movable Support and Tinned Wire Basket.

Nos.	190	1100	1120
Size, in.	9x5	10x5	12x5½
W't, lbs.	3	4	5
Per dozen	$35.00	40.00	50.00
	BJAE	BCJE	CJBE



Wrought Steel, Polished, Tinned Wire Basket.

Nos.	1130	1140
Size, in.	13x5½	14x6
W't, lbs.	7	9
Per dozen	$60.00	80.00
	CGHJ	DEFJ

EXTRA FINISH CAST IRON STOVE HOLLOW WARE.

When ordering, always specify "Ex. Fin.," as on orders calling for Ground or Polished, Common Hollow Ware will be sent.

SPIDERS.



Polished Inside.

Nos.	4EF	5EF	6EF
Diam. top, in.	6¼	8	8¾
W't, lbs.	2½	3½	3½
Each	$0.37	.40	.43
	BE	BF	BF

Nos.	7EF	8EF	9EF
Diam. top, in.	4	4½	5
W't, lbs.	4	4½	5
Each	$0.46	.50	.58
	CJ	CC	CI

Nos.	10EF	11EF	12EF
Diam. to, in.	11¼	12½	13¾
W't, lbs.	5½	5¼	6
Each	$0.74	.92	1.10
	DH	FJ	JGB

SKILLETS.

Full Nickel Plated, Highly Polished Inside.

Nos.	26	27	28
Diam. top, in.	8¾	9⅝	10⅜
W't, lbs.	3½	4	4½
Each	$0.86	.92	1.00
	EE	FJ	JFE

Nos.	29	210	212
Diam. top, in.	11¼	11¾	13¾
W't, lbs.	5	5½	6
Each	$1.16	1.48	2.20
	JGE	JIE	AEJ

WOOD HANDLE SKILLETS.



Full Nickel Plated, Highly Polished Inside, Black Enameled Wood Handle.

Nos.	37	38	39
Diam. top, in.	9⅝	10⅛	11¼
W't, lbs.	4	4½	5
Each	$1.06	1.15	1.30
	JFI	JGF	JHF

HANDLED GRIDDLES.



Polished Top.

Nos.	8EF	9EF	10EF
Diam. top, in.	9¼	10¼	11¼
W't, lbs.	2½	3½	5
Each	$0.40	.48	.62
	BG	CA	DA

Full Nickel Plated, Highly Polished Top.

Nos.	18	19	110
Diam. top, in.	9¼	10¼	11¼
W't, lbs.	2½	3½	5
Each	$0.80	.96	1.24
	EC	FC	JHA

BAILED GRIDDLES.



Polished Top.

Nos.	12EF	14EF	16EF
Diam., in.	12	14	15½
W't, lbs.	5½	8	10
Each	$0.70	.90	1.10
	DF	EH	JGB

LONG GRIDDLES.



Unpolished.

Nos.	8	9	10
Size, in.	19x8½	21x9¾	24¾x12½
W't, lbs.	7	9	15
Each	$0.72	.90	1.35
	DH	FJ	JIJ

STOVE KETTLES.



Round Bottom, Polished Inside.

Nos.	8EF	9EF
Diam. top, in.	10¼	11⅝
W't, lbs.	8	11
Each	$1.00	1.30
	JFF	JHG



Flat Bottom, Polished Inside.

Nos.	7EF	8EF	9EF
Diam. top, in.	9¼	9⅞	10¼
W't, lbs.	7	8½	10
Each	$0.94	1.04	1.32
	FC	JFI	JHG

STOVE POTS.



Round Bottom, Polished Inside.

Nos.	8EF	9EF
Diam. top, in.	10⅜	11½
W't, lbs.	9½	12⅜
Each	$1.26	1.50
	JHC	AJJ

EXTRA FINISH CAST IRON STOVE HOLLOW WARE.

When ordering, always specify "Ex. Fin.," as on orders calling for Ground or Polished, Common Hollow Ware will be sent.

REVONOC WAFFLE IRONS.



Japanned Rims, Wood Pan Handles.

No. 28 REVONOC—Diameter of pans 7¼ in., for 8 or 9 holes, w't per doz. 105 lbs., per dozen ..... J H A J $16.00



No. 48 REVONOC—Round deep ring, 4 in. high, diameter of pans 7¾ in., for gas and vapor stoves, w't per doz. 135 lbs. .....per dozen J I F J $19.00

REVONOC *Waffles are unsurpassed. Special construction of the socket into which the wood handle fits allows circulation of air and prevents the grip getting hot. The ball bearing allows the pans to be turned easily.*



Andresen.

Andresen's Heart, wood pan handles, w't per doz. 96 lbs., with low ring, per dozen ..... J I C J $18.00

With high ring, extra ..... A B J 2.00

WAFFLE IRONS.



AMERICAN, Japanned Rim, Wood Pan Handles.

Nos.	8	9
Diam. pans, in.	7¾	8¾
For holes, in.	8 or 9	9 or 11
W't per doz., lbs.	100	114
Per dozen	$16.00	18.00
	J G I H	J I J J



No. 18—Round deep frame, 4 in. high, diam. of base 10⅛ in., diam. of pan 7¾ in., w't per doz. 130 lbs., per dozen ..... J I E D $19.00



No. 11—American, square deep frame, 3½ in. high, 9¾ in. square base, 6½ in. square pan, waffles divisible into four portions, w't per doz. 132 lbs., per dozen ..... J I I J $19.00

EXTRA FINISH CAST IRON BOWLS.

Scotch.



Nos.	22	23	24	25
Diam., in.	9⅜	10⅜	11½	12
W't, lbs.	4	5	6½	7
Each	$0.65	.75	.84	.92
	D D	E A	E G	F D

Yankee.



Nos.	42	43	44	45
Diam. in.	9½	10⅛	10¼	11½
W't, lbs.	5	6	7½	8½
Each	$0.78	.88	.98	1.10
	E D	F A	F G	J G E

DUTCH OVENS.



Bailed, Polished Inside.

Nos.	108	109	110
Size, in.	10x4¼	11x4½	12½x5¼
Capacity, qts.	5	6	8
W't, lbs	10	11	13
Each	$1.60	1.80	2.10
	A J B	A A D	A C H

COMMON CAST IRON STOVE HOLLOW WARE.

SPIDERS.



GROUND Inside.

Nos.	7	8	9
Diameter, in.	9½	10½	11½
W't, lbs.	3	4	4½
Each	$0.30	.35	.40
	AH	BJ	BD
Nos.	10	12	
Diameter, in.	11¾	13⅜	
W't, lbs.	5½	6	
Each	$0.50	.70	
	CJ	DC	



ENAMELED White Inside.

Nos.	8	9
Diameter, in.	10½	11⅛
W't, lbs.	4	5
Each	$0.35	.40
	BE	BI

HANDLED CAKE GRIDDLES.



Ground.

Nos.	8	9
Diameter, in.	10	11
W't, lbs.	2½	4
Each	$0.27	.30
	AF	AH

BAILED CAKE GRIDDLES.



Ground.

Nos.	12	14	16
Diameter, in.	12	14	16
W't, lbs.	5	7	10
Each	$0.50	.65	.80
	CJ	DJ	DH

LONG CAKE GRIDDLES.



UNGROUND.

Nos.	78	79	99
Size, in.	10½x21	11¼x22¼	14x26
W't, lbs.	7	7½	17
Each	$0.60	.75	2.50
	CB	DA	ABJ

No. 99 is square corner similar to long griddles on page 897.

ROUND BOTTOM KETTLES.



Ground Inside. Enameled Inside.

GROUND Inside.

Nos.—R. B.	7	8	9
Diameter in.	9	10	11
W't, lbs.	6½	8	10
Each	$0.65	.70	.85
	CH	DB	EJ

ENAMELED White Inside.

Nos.—R. B.	8	9
Diameter, in.	10	11
W't, lbs.	9	11
Each	$0.70	.85
	DF	EF

FLAT BOTTOM KETTLES.



Ground Inside. Enameled Inside.

GROUND Inside.

Nos.—Flat	8	9
Diameter, in.	10	11
W't, lbs.	6½	10
Each	$0.70	.85
	DB	EB

ENAMELED White Inside.

Nos.—Flat	8	9
Diameter, in.	10	11
W't, lbs.	7	10
Each	$0.70	.85
	DF	Ef

ROUND BOTTOM POTS.



Ground Inside. Enameled Inside.

GROUND Inside.

Nos.—R. B.	8	9
Diameter, in.	10	11
W't, lbs.	9¼	12
Each	$0.85	1.00
	EB	JFJ

ENAMELED White Inside.

Nos.—R. B.	8	9
Diameter, in.	10	11
W't, lbs.	10	13
Each	$0.85	1.00
	EF	JFE

TEA KETTLES.



UNGROUND. Duck Neck, Swing Cover, Enameled Wood Handle.

Nos.	8	9
W't, lbs.	9	11
Each	$0.90	1.00
	DI	JEE

SCOTCH BOWLS.



GROUND Inside.

Nos.	2	3	4
Diameter, in.	9	10	11
W't, lbs.	4	5	5¾
Each	$0.40	.45	.50
	BD	BH	CJ
Nos.	5	6	
Diameter, in.	12	13	
W't, lbs.	7	8	
Each	$0.60	.70	
	CF	DB	

BELLIED SAUCE PANS.



Enameled White Inside, Tin Cover.

Pints	4	6	8	10
W't, lbs.	4	5	5½	7
Each	$0.63	.73	.84	.96
	DJ	DH	EE	FJ
Pints	12	14	16	20
W't, lbs.	7½	8	8½	11½
Each	$1.11	1.21	1.31	1.56
	JGJ	JHJ	JHE	AJJ

MASLIN KETTLES.



Enameled White Inside.

Quarts	3	4	6	8
Diameter, in.	8	9	10	11
W't, lbs.	4½	5	7	8½
Each	$0.65	.75	1.10	1.30
	BE	BI	JDA	JDI
Quarts	10	12	16	
Diameter, in.	11½	12½	13½	
W't, lbs.	10	11½	15	
Each	$1.40	1.50	2.00	
	JEE	JEE	JGE	

EGG POACHERS.



No. 6—Diameter 9½ in., w't per oz. 78 lbs. .....per dozen JFJJ $14.50

HOLLOW WARE.

"NEW IDEA" KETTLES OR MASLINS.



Enameled Cast Iron, Grayish Blue Speckled Outside, White Inside.

Actual capacity, qts.	4	5	6
Diameter, in.	9⅝	10	10½
W't, lbs.	4¼	5¼	6
Each	$0.90	1.00	1.10
	EJ	JEE	JFJ

Actual capacity, qts.	7	8	10
Diameter, in.	9⅝	11¼	12½
W't, lbs.	6⅞	7¼	8¼
Each	$1.20	1.30	1.40
	JFJ	JGJ	JGE

Actual capacity, qts.	12	14	16
Diameter, in.	13¼	14	14⅝
W't, lbs.	11	12½	13
Each	$1.50	1.75	2.00
	JHJ	JIJ	AJE

4 QT., TWELVE; 5 TO 14 QT., SIX; 16 QT., THREE IN A CRATE.

CAST HAM BOILERS.



UNGROUND.

Nos.	8	9
Size, in.	12x22½x9½	13x24x10½
W't lbs.	23	26½
Each	$2.25	2.50
	AAE	ACE



ENAMELED White Inside.

Nos.	8	9
Size, in.	12x22½x9½	13x24x10½
W't lbs.	25	29
Each	$2.25	2.50
	AEJ	AGJ

GEM PANS.



No. 2—Large, round biscuit, 11 pans, 3¼ in., w't per doz. 45 lbs., per dozen .....BFJ $6.00



No. 8—Small, oval, 11 pans, 2¼x3¼ in., w't per doz. 39 lbs., per dozen .....BFJ $6.00



No. 10—Deep, round, 11 pans, corn bread, 2¾ in., w't per doz. 72 lbs., per dozen .....CDJ $7.50



No. 16—6⅝x12¼ in., Vienna roll, 6 pans, w't per doz. 39 lbs., per dozen .....BFJ $7.50



No. 22—7½x13¼ in., bread sticks, 11 pans, w't per doz. 62 lbs., per dozen .....CDJ $7.50

ONE DOZEN IN A BUNDLE.

CAST BAKE OVENS.



SHALLOW, with Bail and Cover.

Nos.	3	2	1
Diameter, in.	10	11	12
W't, lbs.	11	13½	15
Each	$1.20	1.30	1.50
	JFE	JGJ	JHJ



DEEP, with Bail and Cover.

Nos.	13	12	11	10
Diameter, in.	10	11	12	14
W't, lbs.	13	14	17	25
Each	$1.30	1.40	1.75	2.50
	JGJ	JGE	JIE	ACE

IRON HEATERS.



Unground.

Nos.	48	49
Size, in.	10x19	11x22
W't, lbs.	7	10
Each	$0.60	.75
	CB	DA

ROUND SAD IRON HEATERS.



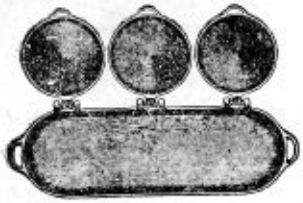
For Gas, Gasoline and Oil Stoves.
No. 66—Diam. 10½ in., w't per doz. 35 lbs. .....per dozen BIJ $5.00

Keeps irons clean and smooth. The greatest amount of heat is always delivered at point of iron.

ONE-HALF DOZEN IN A CASE.

HOLLOW WARE.

SCHOFIELD'S CAKE GRIDDLES.



No. 3.

No. 3—Cast, 14¾x4¾ in., 3 pans, w't per doz. 48 lbs. ....per dozen **JGBJ** $12.00

No. 5—Steel, 16x5¼ in., 3 pans, w't per doz. 24 lbs. .....per dozen **BHJ** $4.50

ONE DOZEN IN A CASE.

SOAPSTONE GRIDDLES.



Round, Metal Rim, Loop Handles.

Nos.	10	12
Diameter, in.	10	12
W't per doz., lbs.	66	105
Per dozen	$8.75	12.50
	EFE	**JHAJ**

Nos.	14	16
Diameter, in.	14	16
W't per doz., lbs.	138	180
Per dozen	$16.25	18.75
	AJHJ	**ABJJ**

ONE DOZEN IN A CRATE.



Oblong, Metal Rim, Loop Handles.

Nos.	18	20	22
Size, in.	9x18	10x20	11x22
W't, doz., lbs.	126	165	216
Per dozen	$15.00	18.75	22.50
	AJAJ	**ABBE**	**ADDJ**

GLUE POTS.



Cast Iron, TINNED Inside.

Nos.	00	0	1
Pints	¾	1	1½
W't, doz., lbs.	36	48	54
Per dozen	$5.50	6.00	6.75
	DEJ	**DHJ**	**EDJ**

Nos.	2	3	4
Pints	2	2½	4
W't, doz., lbs.	63	84	96
Per dozen	$8.40	10.26	12.42
	FHE	**JHDJ**	**AJAJ**

Nos.	5	6
Pints	4½	5
W't, doz., lbs.	111	144
Per dozen	$14.58	16.94
	AAHJ	**ACHJ**

MORTARS AND PESTLES.



Cast Iron, Ground Inside.

No. 1—Capacity	1 pt.	1 qt.
W't, lbs.	4½	6½
Each	$0.50	.75
	DJ	**FJ**

No. 1—Capacity	2 qt.
W't, lbs.	11¼
Each	$1.30
	JHE

COPPER KETTLES.



Hand Made, Hammered, Iron Bail.

Gallons	10	15	18	20
Diam., in.	16	18	20	21
W't, lbs.	15	20	25	28
Gallons	**25**	**30**	**35**	**40★**
Diam., in.	23	24½	25½	27½
W't, lbs.	32	38	42	50

Per pound .....**BH** $0.45

Weights are approximate and may vary slightly.

BRASS KETTLES.



Spun Brass, Wire Bail.

Diam., in.	7	8	9	10
Gallons	½	1	1½	2
W't lbs.	1	1½	2	2½
Each	$1.00	1.50	2.50	3.00
	JFJ	**JIJ**	**AEJ**	**AHJ**

Diam., in.	11	12	13	14
Gallons	2½	3	4	4½
W't lbs.	3	4	4½	6
Each	$3.50	4.00	5.00	5.75
	BAJ	**BDJ**	**CJJ**	**CEJ**

Diam., in.	15	16	17
Gallons	5	6	8
W't lbs.	6½	7½	8½
Each	$6.50	7.50	9.00
	CIJ	**DEJ**	**EDJ**

Diam., in.	18	19	20
Gallons	10	12	14
W't lbs.	10½	12	15
Each	$11.33	13.67	18.00
	JFIJ	**JHBJ**	**AJHJ**

SOLID HEAVY CAST ALUMINUM HOLLOW WARE.

REVONOC

REVONOC TEA KETTLES.



Ebonized Wood Handle, Swing Cover.

Nos.	781	782	783
Act. Cap., qts..	4½	6	7½
Diam. bottom, in.	8¼	9	9¾
W't, doz., lbs.	37	42	48
Per dozen	$44.40	47.40	52.80
	CEEJ	CGIJ	DBBE

The bottom is corrugated, providing greater heating surface and preventing warping.

REVONOC WAFFLE IRONS.



No. 708—Low ring, diam. 8 in., w't per doz. 57 lbs., per dozen **BFDJ** $33.00



No. 718—Deep ring, diam. 8 in., w't per doz. 90 lbs., per dozen **BHHJ** $36.00

Pans are cast with uniform thickness. Grooved rings to catch the overflow. Alaska cold wire handles, set in air cooled sockets.

REVONOC SKILLETS.



Polished Smooth Bottom, Ebonized Wood Handle.

Nos.	67	68	69
Trade No.	7	8	9
Top diam., in..	9¾	10½	11½
W't doz. lbs....	15	20	26
Per dozen	$23.40	25.80	29.40
	AFHJ	AHJJ	EBBJ

TEA POTS.



No. 452.

Nos.	452	453	454
Actual capacity, qts.	1	1½	2
W't, doz., lbs.	12½	17	20
Per dozen	$41.40	43.20	45.00
	CCAJ	CDEE	CFJJ

COFFEE POTS.



No. 102.



No. 463.

Nos.	102	103	104
Actual capacity, qts.	2	3	4
W't, doz., lbs.	24	30	42
Per dozen	$42.00	46.20	51.60
	CABJ	CDEE	CHDJ
Nos.	**463**	**464**	**465**
Actual capacity, qts.	1½	2	3
W't, doz., lbs.	16	20	27
Per dozen	$42.00	43.80	48.00
	CAFJ	CEJE	CHDJ
Nos.		**466**	**467**
Actual capacity, qts. ..		4	6
W't per doz. lbs.		33	37
Per dozen		$54.00	60.00
		DCBJ	DHJJ

CEREAL COOKERS.



Nos.	420	421
Actual capacity, qts. ..	1	2
Diam. bottom, in.	6⅛	7¼
W't per doz., lbs.	21	33
Per dozen	$33.00	42.00
	BAFJ	BHAJ
Nos.	**422**	**423**
Actual capacity, qts. ..	3	3½
Diam. bottom, in.	8¼	8¼
W't per doz., lbs.	35	38
Per dozen	$51.00	60.00
	CDEE	DAJE

LADLES.



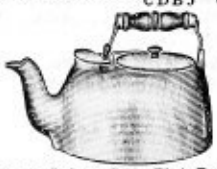
No. 352—Polished, 11½ in. long, w't per doz. 2½ lbs. ....per dozen **EJE** $7.00
No. 353—With hook, otherwise same as No. 352 .....per dozen **EGE** $8.00

TEA KETTLES.



Swing Cover.

Nos.	480	481
Actual capacity, qts. ..	4	5
Diam. of bottom, in. ..	8⅞	9¼
W't per doz., lbs.	19½	39
Per dozen	$40.80	44.40
	BIDJ	CBJJ
Nos.	**482**	**483**
Actual capacity, qts. ..	6	8
Diam. of bottom, in. ..	10	11
W't per doz., lbs.	42	46½
Per dozen	$47.40	52.80
	CDBJ	CHAJ



Polished, Safety Fill, Flat Bottom.
No. 526—Tinned bails, ebonized handles, actual capacity 6 qts., diam. of bottom 10 in., w't per doz. 45 lbs., per dozen ..... **CIGE** $55.20

The newest and best in tea kettle construction. Can be filled under any faucet without the steam burning the hand.

ONE IN A CARTON.



Polished, Fluted Pattern, Tinned Bails, Ebonized Handles.

Nos.	6	7
Actual capacity, qts. ..	3	4
Diam. of bottom, in. ..	7½	8¼
W't per doz., lbs.....	24	31
Per dozen	$40.80	44.40
	BIDJ	CBJJ
Nos.	**8**	**9**
Actual capacity, qts. ..	5	6
Diam. of bottom, in. ..	9	9¾
W't per doz., lbs.	39	45
Per dozen	$47.40	52.80
	CDBJ	CHAJ

ONE IN A CARTON.

BERLIN KETTLES.



Nos.	424	425	426
Actual capacity, qts.	4	5	6
W't, doz., lbs.	22½	24	27
Per dozen	$40.80	45.00	51.00
	BIDJ	CBDJ	CFGJ

SOLID HEAVY CAST ALUMINUM WARE.

SAUCE PANS.



Wood Handle.

Nos.	441	442	443
Size, qts.	2	3	4
Diam. of top, in.	7½	8	8½
W't, doz., lbs.	15	18	21
Per dozen	$27.60	31.20	34.80
	BJBE	BEJJ	BGHE

BERLIN SAUCE PANS.



Polished Inside and Out, Rubberoid Handle.

Nos.	1	2	3
Actual capacity, qts.	2½	3½	4¼
W't, doz., lbs.	21	24	27
Per dozen	$37.20	43.20	47.40
	BIGE	BDEE	CGIJ

COVERED OVAL ROASTERS



Polished Inside.

Nos.	3A	5A	7A
Size, in.	8x12⅛	9¼x14⅛	10⅞x15⅝
W't per doz., lbs.	36½	52½	69⅝
Per dozen	**$63.00**	**82.00**	**102.00**
	EJDJ	FEGJ	HAFJ

Polished inside.

May be used either on top of stove or in oven. Heats more rapidly and evenly than a roaster made of any other material.

PUDDING PANS.



Polished Inside and Outside.

Nos.	12	12¾	13½
Actual capacity, qts.	2	2½	3½
Size, in.	8⅛x2¾	9½x3⅛	9¼x3½
W't, doz., lbs.	11	12	16½
Per dozen	$19.20	21.60	24.00
	AECE	AGBE	AIBJ

FLAT BOTTOM KETTLES.



Nos.	476	477	479
Size	7	8	9
Actual capacity, qts.	6	7	9
W't, doz., lbs.	24	31½	34½
Per dozen	$40.20	46.80	59.40
	CBAE	CGDE	DGEJ

PRESERVE KETTLES.



Nos.	444	446	448
Size, qts.	4	6	8
Diam., top, in.	9	10	11
W't, doz., lbs.	21	25½	30
Per dozen	$34.80	39.60	51.60
	BEAJ	BHEJ	CGBJ

Nos.	4410	4412
Size, qts.	10	12
Diam., top, in.	12	12½
W't per doz., lbs.	39	42
Per dozen	$62.40	69.60
	DEJJ	EJAJ

SKILLETS.



Polished, Wood Handle.

Nos.	55	56	57
Trade No.	5	6	7
Top diam., in.	8	8½	9½
W't, doz., lbs.	11	12½	15
Per dozen	$20.40	22.20	23.40
	ADGJ	AFJJ	AFHJ

Nos.	58	59	510
Trade No.	8	9	10
Top diam., in.	10¼	11¼	12
W't, doz., lbs.	18	24	22
Per dozen	$25.80	29.40	39.00
	AHFJ	BABJ	BHAJ

BAILED GRIDDLES.



No. 412—Polished, diam. 12 in., w't per doz. 27 lbs. ....per dozen **BAFJ** $30.00

No. 414—Polished, diam. 14 in., w't per doz. 30 lbs. ..per dozen **BGFJ** $38.40

VENTILATED GRIDDLES.



Polished Rubberoid Handles.

Nos.	210	211
Size, in.	10	11
W't per doz., lbs.	15	18
Per dozen	$3.00	36.00
	BDDJ	BHHJ

Ribbed on bottom to prevent warping. Holes in rim provide ventilation, insuring even heat.

HANDLED GRIDDLES.



No. 409—Polished, diam. 10 in., w't per doz. 15 lbs. ....per dozen **AHFJ** $25.80

No. 410—Polished, diam. 11¾ in., w't per doz. 18 lbs., per doz. **BAFJ** $30.00

WAFFLE IRONS.



No. 608. No. 618.

No. 608—Low ring, diam. 8 in., w't per doz. 54 lbs. ....per dozen **BCGE** $33.00

No. 618—Deep ring, diam. 8 in., w't per doz. 84 lbs. ....per dozen **BEIJ** $36.00

No. 6111—Deep square ring, 9¼ in. sq. base, 6½ in. sq. pan, w't per doz. 84 lbs. .....per dozen **BEIJ** $39.00

These waffles have cast aluminum pans with japanned iron rings.

SOLID HANDLE SCOOPS.



No. 401—Polished cast aluminum, 2⅝x8 in., rubberoid handle, w't per doz. 2¾ lbs. .....per dozen **JEJE** $12.60



Polished.

Nos.	0	1
Size, in.	3x8½	4x11
W't per doz., lbs.	4½	8
Per dozen	$10.50	21.00
	JFBE	ABIE

Nos.	2	3
Size, in.	5x12	5½x14
W't per doz., lbs.	10	22½
Per dozen	$25.20	29.40
	AEEE	AIIJ

MUFFIN PANS.



No. 808—8 pans, 3x7⅛ in., w't 13½ lbs., per dozen .....**ABIE** $18.00



No. 8010—11 pans, 2⅛x1¾ in., w't per doz. 21 lbs. ..per dozen **AGCJ** $24.00

No. 405—5 pans, 2⅛x1½ in., w't per doz. 11 lbs. .....per dozen **JHFE** $12.00

No. 408—8 pans, 2⅛x1½ in., w't per doz. 15 lbs. .....per dozen **ABIE** $18.00

No. 411—11 pans, 2⅛x1½ in., w't per doz. 20 lbs. .....per dozen **AGCJ** $24.00

REVONOC STAMPED POLISHED HEAVY ALUMINUM WARE.

Aluminum is the best heat distributer known for cooking utensils. It heats quickly and evenly. REVONOC utensils are stamped from thick, hard sheets without joints or seams. They are not injured by sudden change of temperature.. Cannot crack or chip.

TEA AND COFFEE POTS.



Seamless, Polished, Cast Spouts, Welded to Body, Ebonized Wood Handles.

Tea.

Nos.	7001	7002	7003
Capacity, qts..	1½	2	2¼
W't, doz., lbs..	14	16	20
Per dozen	$28.50	30.00	32.75
	AFHJ	AHJJ	BAFJ

Coffee.

Nos.	7012	7013	7014
Capacity, qts..	2	2¼	3½
W't, doz., lbs..	13	15	18
Per dozen	$28.50	30.00	32.75
	AEAJ	AHCE	BAFJ

ONE IN A CARTON.



No. 7502. Nos. 7511 to 7513.

Seamless, Octagon Pattern, Polished, Ebonized Wood Handle.

Tea.

No. 7502—Seamless, octagon pattern, polished, welded cast spouts, ebonized wood handles, actual capacity 2 qts., w't per doz. 16 lbs., per dozen ..... AIDE $36.00

Coffee.

Nos.	7511	7512	7513
Capacity, qts..	1½	2	3
W't, doz., lbs.	12	13	16
Per dozen	$24.00	26.00	36.00
	ABIE	ADJE	AIDE

ONE IN A CARTON.

COFFEE SETS.



No. 7030—Three pieces, all seamless, 1 pt. coffee pot, 3¼x5 in., ½ pt. creamer 2½x2½ in., sugar 3x2½ in., all highly polished outside, satin finish, w't per doz. sets 3¼ lbs., per dozen sets ..... BAFE $36.00

No. 7031—Coffee pot only, per dozen ..... AJBJ 17.00

No. 7032—Sugar bowl only, per dozen ..... JFFJ 11.00

No. 7033—Cream pitcher only, per dozen ..... EDJ 9.00

ONE SET IN A CARTON.

TEA KETTLES.



Seamless, Polished, Cast Spout, Ebonized Wood Handle.

Nos.	7027	7028	7029
Actual capacity, qts. ...	5½	7	8
Diam. at bottom, in.	8½	9¾	10½
W't, doz., lbs..	24½	27	32½
Per dozen	$45.00	51.00	54.50
	BCGE	CBDJ	CFJJ

TEA KETTLE INSETS.



No. 7025—2 qts., seamless, without cover, tea Kettle cover fits, for Nos. 7027, 7028 and 7029 Tea Kettles, w't per doz. 8 lbs.....per dozen JEDJ $10.00

CEREAL COOKERS.



Polished, Tinned Handles.

Nos.	7041	7042
Capacity, qts.	1½	2
Diam. bottom, in.	5	6½
W't per doz., lbs.	6	19
Per dozen	$20.50	26.00
	ABIE	ADFJ

Nos.	7043	7044
Capacity, qts.	3	4
Diam. bottom, in.	7½	8
W't per doz., lbs.	21	24
Per dozen	$36.75	42.75
	AGAJ	BDCJ

LIPPED PRESERVING KETTLES.



Polished, Tinned Wire Bail.

Nos.	7103	7104	7106
Capacity, qts..	3	4	6
Diam. top, in..	8½	9	10¼
W't, doz., lbs..	8	12	15
Per dozen	$12.25	14.50	19.50
	JFCJ	JHGJ	AADJ

Nos.	7108	7110	7112
Capacity, qts..	8	10	12
Diam. top, in..	11¼	11¾	12¼
W't, doz., lbs..	17	20	22
Per dozen	$22.75	26.50	30.50
	ADDJ	AGDJ	AHIJ

LIPPED SAUCE PANS.



Polished, Tinned Handle.

Nos.	7081	7081½	7082
Capacity, qts..	1	1½	2
Diam. top, in..	6	6¾	7½
W't, doz., lbs..	7	6	8
Per dozen	$6.15	7.50	10.25
	CAE	CIJ	JEDJ

Nos.	7083	7084	7085
Capacity, qts..	3	4	5
Diam. top, in..	8	8¼	9¼
W't, doz., lbs..	9½	12	14
Per dozen	$12.25	14.50	18.50
	JFIJ	JHFE	AJEJ

BERLIN KETTLES.



Polished, Tinned Wire Bail.

Nos.	7054	7056
Actual capacity, qts....	4	6
Diam. of top, in.	8¼	9¼
W't per doz., lbs.	11	13½
Per dozen	$21.75	26.00
	AABE	AEJJ

Nos.	7058	7060
Actual capacity, qts....	8	10
Diam. of top, in.	10¼	11
W't per doz., lbs.	20	24
Per dozen	$27.75	32.75
	AHCJ	BJDJ

REVONOC STAMPED POLISHED HEAVY ALUMINUM WARE.

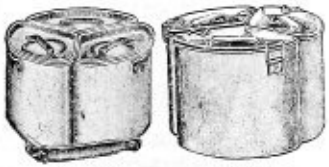
COVERED BERLIN SAUCE PANS.



Polished, Tinned Handle.

Nos.	7073	7074	7076
Capacity, qts..	3	4	6
Diam. top, in..	8	8¼	10¼
W't, doz., lbs..	12	16	20
Per dozen	$17.25	21.75	26.00
	JIIJ	AADJ	AEJJ

TRIPLE COMBINATION COOKER POTS AND SAUCE PANS.



No. 7132. No. 7133.

Natural Finish, Seamless, with Covers.

Sauce Pans.

No. 7132—3 to a set, detachable handle which fits into loop on each pan, capacity each 2 qts., w't per doz. sets 23 lbs. ....per dozen sets **BCGE** $49.25

Cooker Pots.

No. 7133—3 to a set, height 6½ in., to fit 10 in. well or opening, capacity each 2 qts., w't per doz. sets 23 lbs., per dozen sets .....**BCGE** $49.25

FRY PANS.



Extra Heavy Polished.

No. 7089—Diam. 9¼ in., w't per doz. 10 lbs. .....per dozen **JHAJ** $14.00

No. 7090—Diam. 11 in., w't per doz. 14½ lbs. .....per dozen **AAGJ** $21.00



No. 7087—Light, diam. 8 in., w't per doz. 4 lbs. .....per dozen **CFJ** $6.70

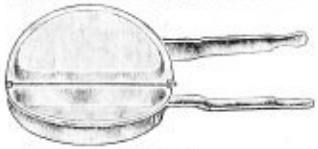
SPIDERS.



Extra Heavy, Polished.

Nos.	7099	7100	7101
Size, in.	9	10	11
W't ,doz., lbs..	16	18	20
Per dozen	$22.00	26.75	30.00
	AAGJ	ADDJ	AFBJ

DOUBLE FOLDING SKILLET.



Seamless.

No. 7127—Size 4½x9 in., 1¼ in. deep, w't per doz. 13 lbs., per doz. **AJHJ** $22.00

Saves time and fuel by cooking two kinds of food over one burner. Ideal for baking fish no grease spatters the stove, no taste or smell remains in the pan.

WHITE HOUSE COOKERS.

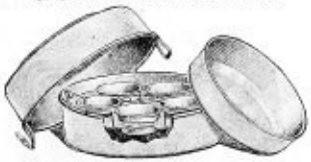


Shows 2 qt. Pan and Cake Tube Making a Round Cake Mould.

No. 7459—Consists of outside Berlin kettle 6 qts., inset pan 2 qts., inset pan perforated bottom 2 qts., cake tube, w't per doz. 25 lbs., per dozen .....**BAFJ** $40.00

Cover fits kettle with or without the insets. Kettle and pans may be used separately or in combination as steamer, double cooker, round roaster or cake mould.

NINE PIECE COOKERS.



No. 7255—Size 11¼x6½ in., consisting of two seamless pans, capacity 5 pts., one pan capacity 4 pts., 5 egg cups or jelly moulds and one rack, w't per doz. 27 lbs.....per dozen **BJEJ** $32.75

A roaster, double boiler, steam cooker, egg poacher, and three individual pans, all in one.

SCOOPS.



No. 7598—Satin finish bowl, 5⅜x3 in., per dozen .....**AHJ** $3.40

ROASTERS.



No. 7253—Seamless, round, diam 10¼ in., height 6 in., w't per doz. 20 lbs., per dozen .....**ABIE** $24.00

Suitable for all kinds of roasts, also for baking apples, beans, potatoes, etc. Individual pans may be used for all mixing and baking purposes.



Heavy, Seamless, Oval, Stamped, Polished.

Nos.	7256	7257	7260
Size, in.	10x15x7	10¼x16½x7	11½x17x7¼
W't, doz., lbs..	24	27	42
Per dozen	$50.00	62.50	70.00
	BGJJ	CDBJ	CGHJ

ONE IN A CARTON.

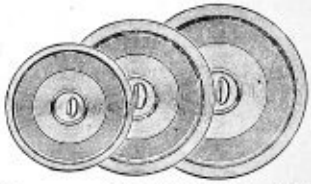
COLANDERS.



No. 7205—Seamless, diam. 9 in., w't per doz. 7 lbs. ....per dozen **JHAJ** $14.00

No. 7206—Seamless ,diam. 11¼ in., w't per doz. 9½ lbs., per doz. **AJHJ** $20.00

RINGED POT COVERS.



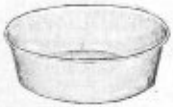
Nos.	7409	7409½	7410	7410½
Size, in.	9	9½	10	10½
Per dozen ...	$3.35	3.85	4.50	5.25
	AEJ	AHJ	BAJ	BDJ

Nos.	7411	7411½	7412
Size, in.	11	11½	12
Per dozen	$6.00	6.50	6.75
	BGJ	BHE	CJJ

W'T 1½ TO 2 LBS. PER DOZEN.

REVONOC STAMPED POLISHED HEAVY ALUMINUM WARE.

PUDDING PANS.



Polished.

Nos.	7151	7151½	7152	7153
Act. cap., qts.	1	1½	2	3
Diam. top, in.	7	7¾	9¼	10¾
W't, doz., lbs.	3½	4½	6	8⅛
Per dozen	$4.75	6.25	7.75	9.75
	BIJ	CFJ	DEJ	EDJ

Nos.	7154	7155
Actual capacity, qts.	4	5
Diam. of top, in.	11¼	11½
W't per doz., lbs.	9	9¾
Per dozen	$13.75	15.50
	JGHJ	JHGJ

MIXING BOWLS.



Polished.

Nos.	7160	7161	7162	7163
Diam., in.	6¼	6¾	7¾	8¼
Actual cap., qts.	1	1½	2	3
W't, doz., lbs.	2	2½	3⅝	4⅝
Per dozen	$4.75	6.50	9.00	11.50
	BGJ	CFJ	DIE	JFCJ

PIE PLATES.



Heavy, Satin Finish.

Nos.	7208	7209	7210
Size, in.	8¼	9¼	10¼
W't, doz., lbs.	1¾	2¼	2¼
Per dozen	$3.50	4.50	5.75
	AIJ	BDJ	BGJ

SPECIAL PIE PLATES.



No. 7498—Diam. 8¼ in. depth 1¼ in., w't per doz. 1¾ lbs., per dozen BIE $1.75

No. 7499—Diameter 9¼ in., depth 1 in., w't per doz. 2 lbs., per dozen ADE $2.50

JELLY CAKE PANS.



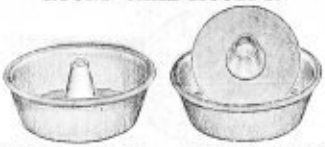
Satin Finish.

No. 7219—Heavy, loose bottom, size 9 in., w't per doz. 2¾ lbs., per dozen BGJ $6.00

No. 7220—Loose bottom, size 9 in., w't per doz. 2¾ lbs., per dozen BIE $3.75

No. 7221—Solid bottom, size 9 in., w't per doz. 2¼ lbs. per dozen AHJ $3.40

ROUND CAKE MOULDS.



Nos. 7222 and 7224. Nos. 7223 and 7225

Tubed, Solid Bottom.

Nos.	7222	7224
Size, in.	9x3	9⅞x3¼
W't per doz., lbs.	6	8
Per dozen	$12.25	14.00
	JEGJ	JFFJ

Tubed, Loose Bottom.

Nos.	7223	7225
Size, in.	9x3	9⅞x3¼
W't per doz., lbs.	6	8
Per dozen	$13.50	15.00
	JFCJ	JGBJ

OCTAGON CAKE MOULDS.



Nos. 7522 and 7524. Nos. 7523 and 7525.

Tubed Solid Bottom.

Nos.	7522	7524
Size, in.	9x3	9⅞x3¼
W't per doz., lbs.	6	8
Per dozen	$12.25	14.00
	JFFJ	JGCJ

Tubed Loose Bottom.

Nos.	7523	7525
Size, in.	9x3	9⅞x3¼
W't per doz., lbs.	6	8
Per dozen	$13.50	15.00
	JGBJ	JHAJ

CORN CAKE PANS.



No. 7147—Size 11¼x7¼ in., 6 cups 3x1½ in., w't per doz. 5 lbs., per dozen JFCJ $11.75

MUFFIN PANS.



No. 7146—Size 11x7½ in. 6 cups, 3x1¼ in., w't per doz. 4½ lbs., per dozen JEGJ $10.50

BREAD PANS.



Seamless.

No. 7140—Size 5½x9¼x2¾ in., w't per doz. 4 lbs. per dozen CCJ $7.75



No. 7141—Polished, wired, size 4⅞x10¾x2⅞ in., w't per doz. 3 lbs., per dozen BIJ $4.50

No. 7144—Seamed, polished, size 7¾x11½x1½ in., w't per doz. 3½ lbs., per dozen CCJ $5.00

SQUARE CAKE PANS.



Seamless.

No. 7143—Satin finish, size 8½x8½x1¾ in., w't per doz. 2½ lbs., per dozen BIJ $4.50



Solid Bottom.

Nos.	7442	7444
Size, in.	9⅛x1¼	9⅛x1¾
W't per doz., lbs.	8	9
Per dozen	$8.40	9.50
	DEJ	EAJ



Loose Bottom.

Nos.	7443	7445
Size, in.	9⅛x1¼	9⅛x1¾
W't per doz., lbs.	8	9
Per dozen	$10.00	11.25
	JEDJ	JFJJ

DRIP PANS.



Seamless.

Nos.	7266	7267
Size, in.	10½x14¼	11¼x16¼
W't per doz., lbs.	12	15
Per dozen	$20.00	28.50
	AJHJ	ABFJ

REV-O-NOC STAMPED ALUMINUM GOODS.

MILK KETTLES.



No. 7171—Seamless, polished, actual capacity 1 qt., w't per doz. 6½ lbs., per dozen ..... JEGJ $10.00

DINNER BUCKETS.



No. 7240—Oval, polished, deep, seamless, flat aluminum bail, bottom 6¾x9½x5¼ in., top 6¾x9½x4¼ in., w't per doz. 22 lbs., per dozen .....BAFJ $36.00
THREE DOZEN IN A CASE.



No. 7245—Round, polished, seamless, bottom 6½x7¼ in., tray 4½x7¾ in., w't per doz. 21 lbs., per dozen .....AIDE $36.00
ONE DOZEN IN A CASE.

MEASURES.



Seamless, Polished.

Nos.	7291	7292
Capacity, qts.	4	6
W't per doz., lbs.	4	6
Per dozen	$16.50	20.00
	AJHJ	ABIE

No. 7294—Capacity 4 qts., w't per doz. 9 lbs. .....per dozen AIDE $30.00

SOUP STRAINERS.



No. 7349—Satin finished, perforated bottom, height 2¼ in., diam. 4 in., length 8½ in., capacity ¾ pt., per dozen .....JIJ $2.00
ONE DOZEN IN A BOX.

VEGETABLE STRAINERS.



Seamless.

Nos.	7203	7204
Capacity, qts.	1½	2
W't per doz., lbs.	4½	6
Per dozen	$10.00	13.50
	JEDJ	JGBJ

FUNNELS.



Seamless, Polished.

Nos.	7280	7281	7282
Size, in.	3	3½	4
Per dozen	$2.50	3.25	3.85
	AFJ	BAJ	BEJ
Nos.	7283	7284	7285
Size, in.	4½	5	5½
Per dozen	$4.60	5.50	7.75
	BGJ	CBJ	DJE

COMBINATION FUNNELS.



No. 728—Seamless, diam. 5⅛ in., six parts, w't per doz. 2¼ lbs., per dozen .....CCJ $6.00
A most useful utensil for the kitchen. Many articles in one. Has regular funnel, fruit jar filler, coarse and fine strainers, gasoline funnel and cup.



No. 7189—Seamless, satin finish, with removable strainer, 5½x2¼ in., w't per doz. 1¾ lbs., per dozen ACE $2.50

FRUIT JAR FILLERS.



No. 7188—2½x4¼ in., seamless, satin finish, w't per doz. ⅝ lb., per dozen .....JHJ $1.50
ONE DOZEN IN A BOX.

WASH BASIN.



Satin Finish.

Nos.	7228	7232
Size, in.	11	13
Diam. of top, in.	11¼	13⅝
W't per doz., lbs.	5	5½
Per dozen	$7.50	9.75
	DIE	FEJ

DIPPERS.



Polished Bowl, Black Enameled Wood Handle.

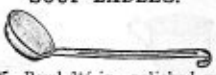
Nos.	7180	7182
Capacity, pts.	1	2
Diam. bowl, in.	5	6
W't per doz., lbs.	2½	4
Per dozen	$4.00	5.40
	BBE	BIJ



Polished Bowl, Round Aluminum Handle.

Nos.	7181	7183
Capacity, pts.	1	2
Diam. bowl, in.	5	6
W't per doz., lbs.	3	4
Per dozen	$4.10	5.60
	BDJ	CJJ

SOUP LADLES.



No. 7185—Bowl 3⅛ in., polished outside, satin finish inside, w't per doz. 1¼ lbs. .....per dozen AJE $1.75
ONE DOZEN IN A BOX.

SOLID LADLE.

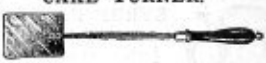


No. 7176—Bowl 4¼ in., heavy aluminum handle, w't per doz. 2 lbs., per dozen .....ACE $2.50
ONE DOZEN IN A BOX.



No. 7186—Solid polished bowl, diam. 4⅛ in., black enameled wood handle, w't per doz. 2¾ lbs., per dozen .....BBE $4.10

CAKE TURNER.



No. 7170—3x4 in., polished blade, enameled wood handle, total length 16 in., w't per doz. 2¼ lbs., per dozen .....BBE $4.10
ONE DOZEN IN A BOX.



No. 7175—3x4 in., polished blade, heavy aluminum handle, total length 13½ in., w't per doz. 1¾ lbs., per dozen .....ACE $2.50
ONE DOZEN IN A BOX.

REV-O-NOC STAMPED ALUMINUM NOVELTIES.

PITCHERS.



Nos.	7431	7432	7433
Capacity, qts..	1	2	3
W't, doz., lbs..	6	10	16
Per dozen	$40.00	53.00	60.00
	BAFJ	BFDJ	CBDJ

WATER PAILS.



Seamless.

No. 7312—Capacity 12 qts., w't per doz. 20 lbs. .....per dozen **BJIJ** $31.00

CUPS.



No. 7190.



No. 7191.



Nos. 7192 to 7198.



No. 7194.

No. 7190—Satin finish with fancy top border, 3x2 in., capacity ¼ pt., w't per doz. ⅜ lb., per dozen **AJJ** $1.55

No. 7195—Size 3½x2½ in., capacity ¾ pt., w't per doz. 1 lb., otherwise same as No. 7190, per doz. **AAJ** $1.85

No. 7191—Satin finish, 2¾x2 in., capacity ½ pt., w't per doz. 1 lb., per dozen .....**JIJ** $1.55

No. 7192—Polished straight, 1 pt., w't per doz. 1⅞ lbs., per doz. **BDJ** $4.10

No. 7193—Polished straight, ½ pt., w't per doz. ¾ lb., per dozen **AFJ** $2.50

No. 7198—Polished, straight, 1 pt., w't per doz. 1 lb. ..per dozen **AJE** $2.00

No. 7194—Satin finish, measuring, ½pt., graduated to ½ and 1-6 pt., w't per doz. ¾ lb. .....per dozen **JGE** $1.75

SYRUP PITCHERS.



No. 7276—Polished, seamless, actual capacity 1 pt., w't per doz. 3½ lbs., per dozen **JHAJ** $12.25

TEA BALLS.



No. 7346—Satin finished, egg shaped, size 2¾x1¾ in., per dozen...**JGJ** $1.50

SUGAR SIFTERS.



No. 7359. No. 7360. No. 7361.

No. 7359—Satin finished, polished top, polished and knurled bands, height 3¼ in., diam. 2 in., per dozen .....**AJJ** $1.70

No. 7360—Heavy, polished, with handle, height 4 in., diam. 3 in., per dozen .....**BDJ** $4.50

No. 7361—Satin finish with handle 2¾xx2¾ in. ....per dozen **JGJ** $1.35

ONE DOZEN IN A BOX.

COFFEE CANISTERS.



Seamless, Polished, Cerklined Air Tight Cover.

Nos.	7370	7371
Capacity, pts.	1	2
W't per doz., lbs.	1¾	3¼
Per dozen	$4.50	6.75
	BDJ	CFJ

OVAL HOTEL TRAYS.



Nos.	7424	7426	7428
Size in.	24¼x19½	26x21	28½x23½
W't, doz., lbs..	36	39	46
Per dozen	$49.20	57.00	66.00
	CFJJ	DAJE	DGEJ

ROUND TRAYS.



Nos.	7612	7615
Diam. in.	11¾	14½
Per dozen	$13.50	21.60
	JGBJ	AAAJ

SALT AND PEPPER SHAKERS.



Nos. 7321&7322. No. 7330.

No. 7321—Satin finished and polished, self-righting, loaded at base, height 2¾ in. diam., at base 1¼ in., at center 2 in., per dozen pairs **ABJ** $2.80

No. 7322—Satin finished and polished, self righting, loaded at base, height 2¼ in., diam. at base 1 in., at center 1½ in.....per dozen pairs **JGE** $1.70

Being loaded at base, they are thus prevented from tipping over and spilling contents. Should they fall over, they immediately right themselves.

ONE PAIR IN A PASTEBOARD BOX.

No. 7330—Satin finished, polished top and polished etched bands, height 3¼ in., diam. 2 in., per dozen pairs .....**CFJ** $6.00

Suitable for kitchen and camps.

ONE DOZEN IN A BOX.

LUNCH CASTERS.



No. 7323. No. 7324.

No. 7323—Satin finished caster, complete with full sized satin finished self-righting salt and pepper shaker and toothpick holder, height 4 in., diam. 4 in. .....per dozen sets **BGJ** $8.00

ONE IN A BOX.

No. 7324—Satin finish holder with self-righting salt and pepper shakers, per dozen .....**ABJ** $2.25

ONE DOZEN IN A BOX.

MEASURING SPOONS.



No. 7594—Satin finish, measure ¼, ½ and 1 teaspoon ..per dozen **AJJ** $1.90

TOOTH PICK HOLDERS.



No. 7335—Satin finished top, polished bottom, self-righting, loaded at base to prevent tipping, height 2 in., diam. at base 1¼ in., at center 2 in., per dozen .....**JFJ** $1.50

ONE DOZEN IN A BOX.

REVONOC STAMPED ALUMINUM NOVELTIES.

AUTOMOBILE OR PICNIC CUPS IN SETS.



No. 7196 No. 7197.

No. 7196—3x3½ in., 6 nested cups and cover, polished outside, satin inside, w't per doz. sets 3¼ lbs., per dozen .....**JEDJ** $11.00

No. 7197—2¾x2½ in., 3 nested cups and cover, polished outside, satin inside, w't per doz. sets 1¾ lbs., per dozen .....**ACE** $2.50

COLLAPSIBLE CUPS.



No. 7380. No. 7382. No. 7383. No. 7384.

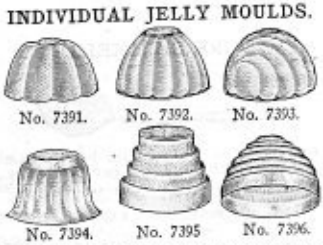
No. 7380—Three sections, satin finish, height open 2⅛ in., closed 1 in., diam. at top 2 in., at bottom 1¾ in., per dozen .....**DJ** $0.90

No. 7382—Four sections, satin finish, height open 2¼ in., closed 1 in., diam. 2½ in. ....per dozen **JGJ** $1.40

No. 7383—Four sections, satin finished base, handsome burnished top, height open 2⅝ in., height closed 1 in., diam. at top 2 in., at bottom 2¾ in., w't per doz. 10 oz. .....per dozen **JHE** $1.60

No. 7384—Five sections, highly polished, height open 3 in., closed 1 in., diam. 2½ in., snap embossed cover, impossible to come open in pocket, a strictly sanitary article, per dozen **BAJ** $3.50

INDIVIDUAL JELLY MOULDS.



No. 7391. No. 7392. No. 7393.

No. 7394. No. 7395 No. 7396.

Satin Finished, Heavy Weight, Valuable in Preparing Gelatin Desserts of All Kinds.

Nos.	7391	7392	7393
Width, in.	2¾	2¾	2¾
Height, in.	1¾	1¾	1¾
Per dozen	$0.90	.90	.90
	EJ	EJ	EJ
Nos.	**7394**	**7395**	**7396**
Width, in.	2½	2½	2¼
Height, in.	1¾	1¾	1¾
Per dozen	$0.90	.90	.90
	EJ	EJ	EJ

No. 7397—Assorted, consisting of two each of the above six patterns, per dozen .....**EJ** $0.90

JELLY OR CAKE MOULD.



No. 7399—Satin finish, heavy, 6⅝x3⅛ in., capacity 1 qt., w't per doz. 3 lbs., per dozen .....**BGJ** $5.00

COMBINATION COOKIE AND DOUGHNUT CUTTERS.



No. 7216—Satin finish, diam. 2¾ in., wood handle and removable inside cutter, w't per doz. ¾ lb., per dozen .....**JIJ** $1.65

COFFEE EXTRACTORS.



No. 7350. Nos. 100 and 200.

Seamless, Aluminum Satin Finish.

No. 7350—Satin finished, detachable perforated top, height 2⅝ in., diam. 2⅜ in. .....per dozen **JGJ** $1.50

No. 7351—2¼x1¾ in. w't per doz. 2 lbs., per dozen .....**JIE** $1.60

No. 7352—2¾x2¼ in., w't per doz. 3 lbs., per dozen .....**AGJ** $2.80

Makes clear, delicious coffee, free from grounds or sediment.

The container is placed in and removed from coffee pot by nickel plated spring wire handle, which engages the container automatically and is released by slight pressure of the thumb and fingers on the wires.

COCKTAIL OR LEMONADE MIXERS.



No. 7. No. 7375.

No. 7—3½x8½ in., combination, with strainer, detachable cover and cap, w't per doz. 4 lbs., per dozen .....**JFJJ** $14.00

QUARTER DOZEN IN A BOX.

No. 7375—Full polished, heavy aluminum combination shaker and strainer, height 9 in., per doz. **JIFJ** $16.00

HALF DOZEN IN A BOX.

CUP STRAINERS.



No. 7345—Satin finish, diam. 3½ in., per dozen .....**JDJ** $0.70

ONE DOZEN IN A BOX.

LEMON JUICE EXTRACTORS.



No. 7365—Satin finished, height 2 in., extreme width 3⅛ in., per dozen .....**JGJ** $1.50

A serviceable article.

ONE DOZEN IN A BOX.

CRUMB TRAYS AND SCRAPERS.



No. 7491—Combination satin and polished finish, embossed, size of tray 8¾x8½ in.....per dozen **JIFJ** $18.00

DOMESTIC SCIENCE UTENSILS. LIPPED SAUCE PANS.



No. 7302—Diam. top 4 in., capacity 10 oz., per dozen .....**AAE** $2.10

BREAD PANS.



No. 7303—Seamless, 4⅞x2¾x2 in., per dozen .....**AAE** $2.10

BERLIN KETTLES.



No. 7304—Diam. top 3 in., depth 2⅛ in., capacity 10 oz., per dozen **ABJ** $2.25

JELLY CAKE PANS.



No. 7305—Diam. 4¾ in., square, depth ⅞ in. .....per dozen **AAJ** $2.00

WIRE GOODS.

SPOUT STRAINERS.



Nos. 57 and 5. No. 25.

No. 57—1⅜ in., bright wire, coarse mesh, tin rim .....per dozen **AF** $0.28
No. 5—1¾ in., extra quality bright twilled wire, fine mesh, 1¼ in. deep, tin rim .....per dozen **EJ** $0.85

ONE DOZEN IN A BOX.

No. 25—1¼ in. dripless, nickel plated brass, heavy wire strainer, spring wire clamp, fits any spout, per dozen .....**JFE** $1.10

ONE DOZEN ON AN EASEL BACK CARD.



Always swings level, combining full capacity with the non-dripping feature.

No. 125XX—Century, dripless, 1¼ in. diam., fine mesh wire, aluminum drip cup, extra long spout holder, per dozen .....**JHJ** $1.40

ONE DOZEN ON A DISPLAY CARD.

TEA OR COFFEE STRAINERS.



Strainer and cup always remain level.

No. 200—Elite Catch Drip, 1⅞ in. diameter nickel plated drip pan, rosewood handle, w't per doz. 2 lbs., per dozen .....**AAJ** $1.80



Tin Rim, Twisted Wire Shank, Black Enameled Wood Handle, with Cup Rest, 26 Mesh Tinned Wire Strainer.

Nos.	02	03
Diam., in.	2¼	3¼
Per dozen	$0.70	.90
	DJ	**EB**



Tin Rim, Twisted Wire Shank, Black Enameled Wood Handle, Rigid Wire Cup Rest, 32 Mesh Tinned Wire Strainer.

Nos.	231	232	233
Diam., in.	2½	3¼	4¼
Per dozen	$0.80	1.00	1.20
	DF	**JEH**	**JGJ**

ONE DOZEN IN A BOX.

TEA OR COFFEE STRAINERS.



No. 85—Nickel plated tin bowl and shank, enameled wood handle, diam. 3 in., with fine mesh strainer, w't per doz. 2 lbs. ..per dozen **JHE** $1.50

ONE DOZEN IN A BOX.



No. 00—Cup, 3½ in., tin rim and handle, 2 in. tinned wire strainer, per dozen .....**BJ** $0.35



No. 149—Ever Ready, 2¾x2¾ in., 30 mesh tinned cloth, metal bound, bound, w't per doz. 1 lb., per dozen ..**JIJ** $1.50

Easily attached. Fits any size or style of coffee pit.

TWO DOZEN IN A DISPLAY BOX.

BOWL STRAINERS.



No. 201—4½ in., 18 mesh tinned wire strainer, tin rim with wire handle and cup rest .....per dozen **CB** $0.54

ONE DOZEN IN A BOX.



No. 202—5 in., 18 mesh tinned wire strainer, tin rim, strongly twisted wire handle, with two wire cup rests, per dozen .....**DF** $0.80

ONE DOZEN IN A PACKAGE.



No. 204—6 in., 18 mesh heavily tinned wire strainer, extra heavy tin rim, twisted wire handle with cup rests seamed to strainer, black enameled wood handle ...per dozen **JIJ** $1.60

No. 0204—5 in., 18 mesh tinned wire strainer, tin rim, twisted wire shank, black enameled wood handle, bowl rests soldered to rim, per dozen .....**EB** $0.90

ONE DOZEN IN A BOX.

BOWL STRAINERS.



No. 020—Fruit, 5½ in., tin rim, 12 mesh extra heavy wire bowl, heavily twisted wire handle and bowl rests, with tin masher, w't per doz. 4 lbs., per dozen .....**ADE** $2.50

No. 022—Fruit, 6 in., otherwise same as No. 020 .....per dozen **AGE** $3.00



Extension Frame, 18 Mesh Tinned Wire Strainer, Extra Heavy, Tin Rim.

Nos.	45	46	48
Diam., in.	5	6	8
Extension, in.	9to18	10½to21	10½to21
W't, doz., lbs.	4	5	6
Per dozen	$2.10	3.20	4.90
	ABJ	**AHE**	**BHE**

These strainers have extra wide, finely finished rims to which the cloth is securely seamed.

Nos.	045	046
Diam., in.	5	6
Extension, in.	9to18	10½to21
W't per doz., lbs.	4	5
Per dozen	$1.70	2.70
	AJJ	**AEE**

Regular tin rim, otherwise same as Nos. 45 and 46.

ONE DOZEN IN A BOX.

WIRE SKIMMERS.



No. 1—4¼ in. tinned wire bowl, enameled wood handle, w't per doz. 2 lbs., per dozen .....**EB** $0.90

ONE DOZEN IN A PACKAGE.



No. 35—5¼ in. heavily tinned wire bowl, strongly twisted wire handle, length over all 17 in., w't per doz. 14 lbs., per dozen .....**JHF** $1.50

This is an extra well made skimmer, and will withstand severe service.

ONE DOZEN IN A PACKAGE.

WIRE GOODS.

STRAINER HOLDERS.

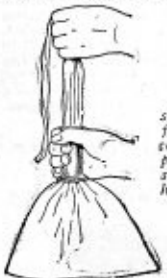


This is a most convenient article for making cottage cheese—also for straining jelly. The strainer sack has a split ring which may be easily removed. Folds compactly into a space 8x8x1 in.

Favorite, 8 in. cast base, tinned steel upright, heavy steel wire ring, with 7 in. cloth strainer sack, height 16½ in., w't per doz. 42 lbs., per dozen .....**JHDJ** $18.00

ONE IN A CARTON.

STRAINER AND JELLY BAGS.



Just the thing for straining jelly and fruits and making cottage cheese. More powerful than squeezing with the hands.

No. 024—Tate, polished maple squeezing grip, muslin bag, 10½ in. wide, 18 in. deep, w't per doz. 4 lbs., per dozen .....**BDJ** $4.00

ONE IN A CARTON.

FRYING BASKETS.



Extra Heavy Tinned Wire, Heavy Tin Rim, Twisted Wire Shank with Cold Handle.

Nos.	208	209	210
Size, in.	7½x2½	8½x3	10x3
W't, doz., lbs.	8¼	9½	12
Per dozen	$4.00	5.00	6.00
	BCE	**BIE**	**CEE**

These baskets are heavily coated with pure tin.

ONE-HALF DOZEN IN A PACKAGE.



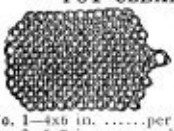
No. 812—Tin rim, 6 mesh, heavy tinned wire basket, spring guard on bail to hold it in upright position, diam. 7½ in., w't per doz. 6 lbs., per dozen .....**AGE** $2.90

This is a heavily retinned, extra well made frying basket and potato frier.

No. 249—¾ in. mesh, tinned wire basket, with bail guard, diam. 8 in., w't per doz. 5 lbs., per dozen **ABJ** $1.90

ONE DOZEN IN A PACKAGE.

POT CLEANERS.



Coppered Wire, Double Ring to Prevent Unraveling.

No. 1—4x6 in. .....per dozen **CH** $0.65
No. 2—5x7 in. ....per dozen **JFJ** 1.00

ONE DOZEN IN A PACKAGE.



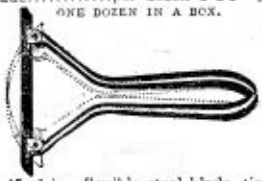
No. 3—Round, coppered wire with 6½ in. tinned wire handle, per dozen .....**JEC** $0.90

ONE DOZEN IN A PACKAGE.



No. 14—3½x6 in., tinned wire rings, with nickel plated handle and scraping blade.....per dozen **JIJ** $1.50

ONE DOZEN IN A BOX.



No. 15—3 in., flexible steel blade, tinned steel handle, slight pressure causes the blade to conform itself to surface to be cleaned, w't per doz. 2 lbs., per dozen .....**JGJ** $1.15

ONE DOZEN IN A BOX.



No. 6—2¼ in., rubber scraper securely held between bright tin supports, black enameled wood handle, for plates, pots sinks, etc., w't per doz. 2¾ lbs.....per dozen **AHJ** $1.40

ONE DOZEN ON A DISPLAY CARD.

KETTLE BRUSHES.



This is a very effective kettle or pot cleaner. Does not scratch nearly as much as the ordinary scraper and cleans more thoroughly and quickly.

No. 7D—Solid back, 1½x3 in., 5x8 rows, spring steel bristles, w't per doz. 4 lbs. .....per dozen **JIJ** $1.50

ONE DOZEN IN A BOX.

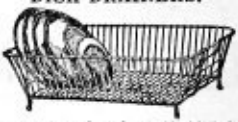
SINK CLEANERS.



No. 5—Japanned, rubber edge, 4 in. blade, length 7¼ in., w't per doz. 2¼ lbs. .....per dozen **CE** $0.56

ONE DOZEN IN A PACKAGE.

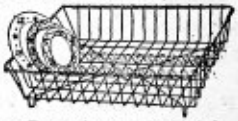
DISH DRAINERS.



No. 1—Retinned wire, 12x16x3½ in., cross wires 1¼ in. apart, 5 feet, w't per doz. 5¾ lbs.,per doz. **JIE** $1.65

No. 2—Retinned wire, 12x16x3½ in., cross wires ¾ in. apart, 5 feet, w't per doz. 7 lbs.....per dozen **ADJ** $2.40

No. 3—Retinned wire, 12x16x3½ in., cross wires ½ in. apart, 5 feet, raised center, w't per doz. 8½ lbs., per dozen .....**AGE** $3.00



No. 338—Extra heavy, 12x16x4 in., retinned, made of heavy wire with strong plate rests in bottom, w't per doz. 12 lbs.....per dozen **DAJ** $6.80

No. 443—Hotel size, extra heavy, retinned, 15x20 in., frame of No. 6 wire, with heavy plate rests in bottom, w't per doz. 18 lbs., per dozen **GBJ** $12.00

SINK STRAINERS.



No. 122—Rival, 9x8x4½ in., blue japanned, heavy, perforated steel bottom, with three feet, wire loop for hanging in corner of sink, w't per doz. 4 lbs. .....per dozen **JIE** $1.80

THREE DOZEN IN A CASE.



Showing Strainer hook for rim of sink.



Showing Strainer mounted on wire stand.

Vrooman, Without Stand.

No. 91—Japanned tin, small size 9x8x 4 in. deep, w't per doz. 4½ lbs., per dozen .....**AJH** $1.80

No. 92—Japanned tin, large size 10x9½x 5 in. deep, w't per doz. 6 lbs., per dozen .....**ADD** $2.40

No. 94—Enameled steel, mottled gray inside and out, large size 10x9½x5 in., deep, w't per doz. 6 lbs., per dozen .....**CCJ** $5.50

No. 96—All white enamel, large size 10½x9½x5¼ in., w't per doz. 8 lbs., per dozen .....**DHJ** $8.00

ONE DOZEN IN A BOX.

Sink Strainer Stands.

No. 93—Vrooman stands, bright wire for either size strainers where they cannot be hung in corner of sink, per dozen .....**CF** $0.60

ONE DOZEN IN A BUNDLE.

WIRE GOODS.

SOAP SHAKERS.



No. 1—Tin body, wire cloth top and bottom, wire handle, diameter 2½ in., w't per doz. 2 lbs., per doz. **EJ** $0.80



No. 0—3x2½x2 in., heavy wire retinned, 6½ in. tinned handle, w't per doz. 3 lbs. .....per dozen **JIJ** $1.50

SOAP STANDS AND BRACKETS.



No. 41.



No. 40.

No. 41—Stand, 5x3¾ in., retinned after made, with feet and also hooks for hanging, w't per doz. 2 lbs., per dozen .....**CE** $0.60

No. 40—Bracket, 6x3¼ in., twisted wire frame, retinned after made, w't per doz. 3 lbs. .....per dozen **JFE** $1.10



No. 42.



No. 43.

No. 42—Bracket, 6½x3½ in., twisted wire frame, with rack for tooth brushes, retinned after made, w't per doz. 3 lbs. .....per dozen **JGE** $1.30

No. 43—Bath Tub Soap Dish, 5x3¼ in., with long hooks which can be bent to fit any tub, retinned after made, w't per doz. 3 lbs. ....per dozen **DE** $0.80



No. 90—Bracket, electro-welded, nicely retinned, 6½x3¾ in., with faucet loop, fits any size faucet, hangs firmly, w't per doz. 3 lbs., per dozen .....**ACJ** $2.20

SOAP DISHES.



No. 414D—Faucet Soap Dish, electro-welded, nicely retinned, 6x3½ in., with loops to hang between faucets, w't per doz. 3 lbs., per dozen .....**JIE** $1.60

TOWEL BARS.



No. 195D—Nickel plated steel, ⅝x18 in., w't per doz. 8 lbs., per dozen .....**JHE** $1.50

These bars are zinc coated, and then nickeled, making them rust resisting.

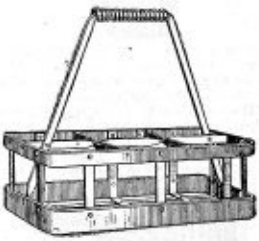
ONE DOZEN IN A PACKAGE.

MILK BOTTLE CARRIERS.



No. 123—9x13½x2½ in., heavy wire, tinned after being made which solders all the joints, rigid wire handle, holds six quart bottles, w't per doz. 24 lbs., per dozen .....**EJE** $9.00

ONE DOZEN IN A CASE.



No. 124—Standard Safety, 8½x12½x4 in., galvanized steel, electro-welded, holds six quart bottles, w't per doz. 18 lbs. .....per dozen **JIBJ** $16.00

An extra strong carrier made especially for large dairies.

LOOSE.

"ANDROCK" OVENS.



No. 316D—Consists of four parts, aluminum finish sheet steel cover, asbestos lined stand, sheet steel distributing plate and 9x9 in. toaster, w't per doz. 27½ lbs. .....per dozen **DHJ** $8.00

This oven is designed for use on top of gas, gasoline or kerosene stoves. Heats quickly. Bakes potatoes, biscuits, etc., heats three flat irons at a time. Uses all the heat, saves fuel.

ONE DOZEN IN A CASE.

COMBINATION OVENS.



No. 317D—Kantburn, consists of a No. 22 Kantburn heat equalizer, a 9 in. tinned wire rest and a spun tin cover 10½ in. wide, 5 in. deep with ventilated top, w't per doz. 35 lbs., per dozen .....**JGBJ** $10.80

For use on gas, kerosene or gasoline stoves. Heats quickly and retains heat. For quick baking, toasting or roasting. Saves fuel, as only one burner half on is required for even a 5 lb. roast.

ONE DOZEN IN A BOX.

COOKING PLATES.



No. 22—Kant Burn, 10¾ in. round, extra heavy stamped steel, with double heat equalizer, w't per doz. 18 lbs., per dozen .....**BDJ** $4.00

This cooking plate distributes the heat evenly all over the entire surface. For use on any gas, gasoline or oil stove. A necessity.

BULK.

TEA POT STANDS.



No. 18—6¼ in., 18 twisted wires, tinned, w't per doz. 1¼ lbs., per dozen .....**EJ** $0.90

ONE DOZEN IN A BOX.

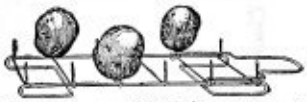
WIRE GOODS, MAYONNAISE MIXERS, EGG BEATERS, ETC.

DISH COVERS.



No. 54—Blued wire, enameled knob, in nests of five, 6 to 10 in., w't per doz. nests 21 lbs.,
per dozen nests .....**EDJ** $6.90
THREE DOZEN NESTS IN A BOX.

POTATO BAKERS.



No. 607—Jaxon, 4½x13 in., strong, retinned wire, will hold twelve potatoes, w't per doz. 4 lbs., per doz. **JIE** $1.60
ONE DOZEN IN A PACKAGE.

HANGING MOSS BASKETS.



No. 6410D—10 in. diameter, 8 in. deep, 24 in. chain, formed of heavy wire, painted green, w't per doz. 10 lbs., per dozen .....**BJJ** $3.30
No. 6412D—12 in., w't per doz. 12 lbs., otherwise same as No. 6410D, per dozen .....**BCE** $3.90
These baskets are used for porch decoration. Filling the sides with moss and planting flowers in center produces a surprisingly beautiful effect.
ONE DOZEN IN A PACKAGE.

FLOWER BOXES.



Galvanized Iron, Painted Green.
No. 18-D—Length 18 in., width 7¼ in., depth 6 in., w't per doz. 40 lbs., per dozen .....**AGCE** $12.00
No. 24-D—Length 24 in., w't per doz. 52 lbs., otherwise same as No. 18-D, per dozen .....**JJJJ** $15.00
This steel green house or plant box has a patented bottom which gives the plant perfect drainage and at the same time is guaranteed not to leak.
ONE-HALF DOZEN IN A CRATE.

VEGETABLE BOILERS.



Retinned Wire, Braced in Side and Bottom, Wire Bail.

Nos.	7	8	9
Diameter, in.	7	8	9
W't per doz., lbs.	2½	3½	4
Per dozen	$1.40	1.56	1.70
	JHE	**JIE**	**AJJ**

ONE DOZEN IN A PACKAGE.

HANDY HOLDERS.



No. 57-D—Handy Broom and Tool Holders, nickel plated spring steel, one dozen on display card, w't per doz. 1 lb.,
per dozen **DB** $0.70
ONE GROSS IN A BOX.

CAKE COOLERS.



No. 0—Retinned wire, 9½x14 in., ½ in. mesh, 5 feet, w't per doz. 3 lbs.
per dozen .....**ABJ** $2.00
ONE DOZEN IN A PACKAGE.

MAYONNAISE MIXERS AND EGG BEATERS.



No. 101.



No. 87.

No. 101—Christy, improved mixer and egg beater, 1½ pint porcelain jar, cast frame with table clamp, one mayonnaise paddle and one egg beating attachment, retinned oil dripper, w't per doz. 56 lbs., per doz. **AJHJ** $18.00
The mayonnaise attachment works the air out and leaves the contents of the jar in a smooth, creamy state.
The egg and cream whipping attachment drives air into the liquid, making it light and fluffy.
No. 87—Special pressed glass urn, nickel plated top and Ladd patent egg beater with mayonaise attachment, w't per doz. 40 lbs., per dozen **AEHE** $25.40

Extra Bowls.

For **No. 101**—Per dozen .....**BIJ** $4.80
For **No. 87**—Per dozen .....**EGE** 9.60
ONE IN A BOX.

EGG BEATERS OR WHIPS.



No. 888—Improved Suprise, heavy tinned wire, spiral wire edge, stiff handle, w't per doz. 2 lbs.,
per dozen .....**DB** $0.70



No. 8—Surprise, tinned wire, length 10½ in., w't per doz. 1 lb.,
per dozen .....**AA** $0.20
No. 80—Surprise, heavy tinned wire, length 10½ in., w't per doz. 1 lb.,
per dozen .....**CJ** $0.54



No. 88—Surprise, heavy tinned wire, twisted wire shank, coil handle, length 10½ in., w't per doz. 1 lb.,
per dozen .....**CE** $0.62



No. 124—Superior, retinned, length 12⅜ in., wires electrically welded, w't per doz. 3 lbs...per dozen **JIE** $1.60



No. 14—Perfect, retinned wire, plain handle, length 13 in., w't per doz. 5 lbs. .....per dozen **AJJ** $1.64
Can be used with one hand. Rapid and easy working.



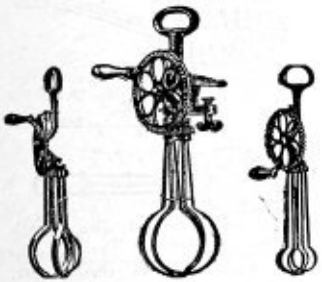
No. 20—Van Dusen, family size, stamped tin, length 11 in.,
per dozen .....**EE** $0.80
No. 22—Van Dusen, hotel size, stamped tin, length 12½ in.,
per dozen .....**JIE** $1.60
Adapted to whipping butter, cream and eggs.



French, Tinned Wire, Smooth Wire Bound Handle.
No. 12—Family, length 12 in., w't per doz. 4 lbs. .....per dozen **AAE** $1.94
No. 120—Heavy hotel, length 12 in., w't per doz. 5½ lbs..per dozen **CAE** $5.50
No. 140—Heavy hotel, length 14 in., w't per doz. 7 lbs....per dozen **DJJ** $7.00
No. 160—Heavy hotel, length 16 in., w't per doz. 8 lbs....per dozen **DFJ** $8.00
No. 180—Heavy hotel, length 18 in., w't per doz. 12 lbs...per dozen **EDJ** $9.00
No. 200—Heavy hotel, length 20 in., w't per doz. 14 lbs., per doz. **JEGE** $10.06
ONE DOZEN IN A PACKAGE.

EGG BEATERS, CREAM WHIPS, ETC.

EGG BEATERS.



Nos. 25 and 35. No. 45. No. 37.

No. 25—Genuine Family Dover, cast handle, auxiliary cog wheel to steady main drive wheel, length 10 in., w't per doz. 6 lbs...per dozen **JIJ** $1.56

No. 35—Large, Genuine Dover, cast handle, auxiliary cog wheel to steady main drive wheel, length 12½ in., w't per doz. 11 lbs., per dozen **BDE** $4.30

No. 45—Genuine Hotel Dover, cast handle, reinforced agitators, with table clamp, length 16 in., w't per doz. 50 lbs. .....per dozen **BIIJ** $52.00

No. 37—Tumbler, full size cast handle and drive wheel, small nickel plated agitators, will rotate freely within 2 in. tumbler, length 10 in., w't per doz. 4½ lbs. .....per dozen **JIE** $1.64



Nos. 6 to 116. Nos. 27 to 30.

No. 6—Dover, 8½ in., cast frame and gears, w't per doz. 3½ lbs., per dozen .....**JFE** $1.10

No. 16—Dover, 9½ in., cast frame and gears, w't per doz. 5 lbs., per dozen .....**JHJ** $1.30

No. 116—Dover, 12½ in., heavy frame and deep gears, w't per doz. 11 lbs., per dozen .....**AFJ** $3.00

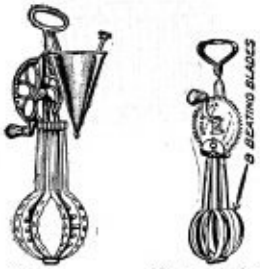
No. 27—Holt's, 10½ in., cast frame and gears, fluted agitators, winged, w't per doz. 6 lbs...per dozen **JIJ** $1.60
A very rapid beater and cream whip.

No. 29—Holt's, 10½ in., cast frame and gears, fluted agitators, winged, w't per doz. 7 lbs.. per dozen **ACJ** $2.30

No. 30—Holt' Hotel, 13½ in., heavy frame, otherwise same as No. 29, w't per doz. 10 lbs., per dozen **BDJ** $4.00

ONE DOZEN IN A BOX.

EGG BEATERS.



No. 28. Nos. 34 and 38

No. 28—Holt's, heavy, 10½ in., with mayonnaise oil dripper attachment, otherwise same as No. 29, w't per doz. 8 lbs. .....per dozen **BCJ** $4.00

This is an exceedingly rapid egg beater or cream whip. The oil dripper can be regulated to any flow desired. Unexcelled for making an absolutely smooth mayonnaise dressing.

ONE DOZEN IN A BOX.

No. 34—Ladd's, all steel, nickel plated, 11 in., 8 beating blades, direct center drive, w't per doz. 5 lbs., per dozen .....**CCE** $5.60

No. 38—Ladd's Hotel, all steel, nickel plated, height 12 in., 8 beating blades, 3 in. direct center drive, w't per doz. 9 lbs. .....per dozen **DHJ** $7.20

The Ladd beater, on account of the eight blades, has double the beating power of the ordinary Dover pattern beaters. It is also a splendid cream whip, easy to turn even after cream is quite stiff.

ONE DOZEN IN A BOX.



No. 87—Rapid fire, polished metal mixing apparatus, jar of Colonial fluted glass, height 8¼ in., capacity 16 oz., w't per dozen 14 lbs., per dozen .....**ACJ** $3.00

Will beat an egg to proper consistency in 15 seconds. Also very effective as a cream and mayonnaise whips.

CREAM WHIPS.



No. 83—Dream, steel agitator, nickel plated steel drive wheel, wood handle, with 7 in. glazed stoneware bowl, w't per doz. 30 lbs., per dozen **EDJ** $9.00

The clip cream whip is a slight modification of the construction used on the Dunlap. A very attractive whip.

ONE-HALF DOZEN IN A BOX.



No. 02. Nos. 84-85.

No. 02—Tin cylinder, 2½x5½ in., perforated tin dasher, w't per doz. 7 lbs., per dozen .....**EE** $0.90

ONE DOZEN IN A PACKAGE.

No. 84—Roberts', pint size, height 6¼ in., glass jar, steel dome cover and agitator, nickel plated, white porcelain knob, w't per doz. 17 lbs., per dozen .....**CCJ** $5.50

No. 084—Extra jar for No. 84 cream whip .....per dozen **AAE** $1.92

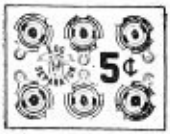
No. 85—Roberts', quart size, height 8 in., w't per doz. 30 lbs., otherwise same as No. 84 .....per dozen **EDJ** $9.00

No. 085—Extra jar for No. 85 cream whip .....per doezn **AHJ** $3.00

The Roberts' Lightning Mixer works with double motion. The up and down whirling of the agitator mixes, stirs, churns, whips, lightens and aerates the material with surprising ease and quickness.

ONE IN AN ATTRACTIVE CARTON.

EGG SEPARATORS.



No. 33—3½ in. bowl, holds yolk of egg, allowing white to run through, w't per doz. 1 lb.....per dozen **DJ** $0.70

ONE DOZEN ON A DISPLAY CARD.

STOVE MATS, TOASTERS AND BROILERS.

TABLE MATS OR LUNCHEON PADS.



Round Asbestos, Cloth Bound.

Size, in.	5	6	8
W't per doz., lbs.	1½	2	3
Per dozen	$0.70	1.30	2.10
	DJ	JHE	ABE

Oval, Asbestos, Cloth Bound.

Size, in.	5x8	6x11	8x14
W't per doz., lbs.	1¾	3	6
Per dozen	$1.20	2.20	3.50
	JGJ	ABE	BJJ

STOVE MATS AND TOASTERS.



Nos. 7 and 17. No. 101.

No. 7—Stove Mat, 8½ in., asbestos, tin rim, ringed .....per dozen **BE** $0.40

No. 17—Stove Mat, 9 in., asbestos, ¼ in. thick, tin rim.....per dozen **CE** $0.58

No. 100—Toaster, 8½ in., asbestos, tin rim, ringed, wire cloth tops, w't per doz. 3½ lbs. .....per dozen **EJ** $0.90

No. 101—Toaster, 8½ in., asbestos, steel bottom, wire cloth top, tin rim, cold handle, w't per doz. 6½ lbs., per dozen .....**AJJ** $1.80

TOASTERS.



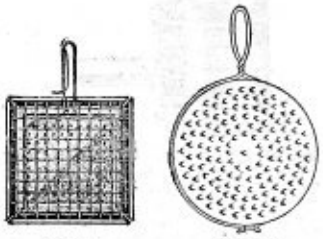
No. 108. No. 104.

No. 108—Pyramid, 6½ in. square, 4½ in. high, steel, with perforated steel center pyramid, w't per doz. 5 lbs., per dozen .....**ACJ** $2.00

No. 104—Wilson, steel, 7½ in. square base, 4½ in. high, with perforated steel center cone, w't per doz. 7 lbs., per dozen .....**AIJ** $3.30

ONE DOZEN IN A BOX.

TOASTERS.



No. 105. No. 102.

No. 105—9x9 in., stamped steel bottom, with conical perforations which direct all the heat excluding flame, wire top and handle, w't per doz. 7 lbs., per dozen .....**JIE** $1.60

No. 102—California Lava, diameter 9½ in., heavy wire rim and handle, w't per doz. 20 lbs., per dozen .....**BDJ** $4.00

No. 102 may be used over natural gas, imparting neither taste nor odor to the toast.

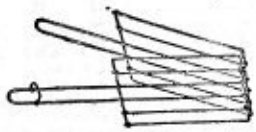


No. 103—Jim's, 8 in., improved round base, height 5 in., high steel frame, wire cone center, turns red hot in flame and acts as bed of coal, for gas or gasoline stoves, w't per doz. 10½ lbs. .....per dozen **BJJ** $3.30



No. 106—Perfection, diameter 11½ in., blued steel, extra heavy, detachable handle, coppered wire broiler, w't per doz. 16 lbs.....per dozen **BGJ** $4.50

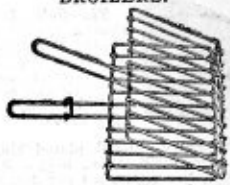
ONE DOZEN IN A CORRUGATED PAPER BOX.



No. A—Light wire, tinned, 6 in. wide, 8 in. long, wire handle, w't per doz. 3½ lbs. .....per dozen **DE** $0.80

ONE DOZEN IN A PACKAGE.

BROILERS.



Light Wire, Tinned.

Nos.	1	2
Width, in.	8	10
Length, in.	9	9
W't per doz., lbs.	5	5¼
Per dozen	$1.56	1.74
	JIJ	AJE
Nos.	**3**	**4**
Width, in.	12	14
Length, in.	9	9
W't per doz., lbs.	6¼	6½
Per dozen	$1.86	2.00
	AAJ	ABJ

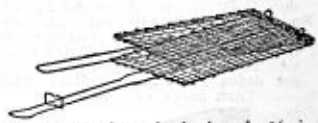
Heavy Wire, Tinned.

Nos.	10	11	12
Width, in.	6	8	10
Length, in.	9	9	9
W't per doz., lbs.	5¼	6½	7¾
Per dozen	$1.60	1.90	2.20
	JIE	AAE	ACJ
Nos.		**13**	**14**
Width, in.		12	14
Length, in.		9	9
W't per doz., lbs.		8¼	9½
Per dozen		$2.60	3.00
		AEE	AHE

Hotel, Extra Heavy Wire, Tinned.

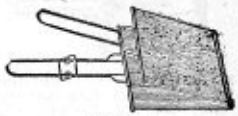
Nos.	22	23	24
Width, in.	10	12	14
Length, in.	8	9	10
W't per doz., lbs.	18½	22	26½
Per dozen	$4.80	5.60	6.80
	BGJ	CCJ	DAJ

ONE-HALF DOZEN IN A PACKAGE.



No. 41—8x9 in., checkerboard, ½ in. mesh, woven wire, tinned, w't per doz. 7 lbs. .....per dozen **ACE** $2.30

ONE DOZEN IN A PACKAGE.



Oyster.

No. 32—Tinned, width 10 in., length 9 in., wire ¼ in. apart, w't per doz. 12½ lbs. .....per dozen **BGE** $4.60

ONE-HALF DOZEN IN A PACKAGE.

NO BURN KETTLE BOTTOMS.



No. 8—8 in., No-Burn, retinned, ½ in. mesh, w't per doz. 3 lbs., per dozen .....**JIJ** $1.50

Used in bottom of kettles and pots to prevent food from burning.

ONE DOZEN IN A PACKAGE.

SIFTERS, RIDDLES AND SCREENS.

FLOUR SIFTERS.



The Fairy is more than a toy, it is intended for actual use as much as larger sifters. A convenient one cup measure and will be found very useful.

No. 68—Fairy, nickel plated tin, one cup size, diam. 3 in., height 3½ in., tinned wire sifter, w't per doz. 3 lbs., per dozen .....**JIE** $1.60

ONE DOZEN IN A BOX.



No. 0. No. 1.

No. 0—Tin rim, flat handle, wire bottom, diam. 5¼ in., depth 2⅛ in., wire agitator, w't per doz. 8 lbs., per dozen .....**JFJ** $1.00

No. 1—Tin rim round handle, wire cloth bottom, diam. 6½ in., depth 3⅝ in., with removable wire agitator, w't per doz. 9 lbs.....per dozen **AAE** $1.90



No. 3. No. 66.

No. 3—Side crank, tin body, wire cloth bottom, tinned wire agitator, w't per doz. 11 lbs.....per dozen **AJJ** $1.70

No. 66—Prize, heavy tin, polished, nickel plated over copper plating, with imitation rosewood handle, rust proof wire cloth bottom, w't per doz. 15 lbs., per dozen .....**BGJ** $4.00

ONE DOZEN IN A CASE.



No. 4—Hunter pattern, bright tin body and handle, wire cloth bottom, wire agitator, w't per doz. 10 lbs., per dozen .....**AJJ** $1.70

No. 6—Extra, Hunter pattern, well made, large size, polished 1X tin, rust proof wire cloth bottom, w't per doz. 12 lbs.....per dozen **AGJ** $2.50



No. 33—Republic, one hand shake, bright tin body, wire cloth bottom, slight turn of handle moves agitator from side to side over entire bottom, leaves one hand free for mixing, w't per doz. 12½ lbs., per dozen .....**BDJ** $3.60

ONE DOZEN IN A CASE.

FLOUR SIFTERS.



No. 67—Hunter pattern XXX extra heavy planished tin, rust proof wire cloth, w't per doz. 15 lbs., per dozen .....**BIJ** $3.60

The very best flour sifter made. Polished, burnished and wrapped in tissue paper. Extra long handle with heavy agitator. Sifter cloth soldered securely to sides of sifter.

ONE DOZEN IN A CASE.

TIN RIM SIEVES.



Bright Tin Rim, One Piece, 12⅝x2⅝ in., Wire Cloth Bottom, with Supporting Cross Wires, Plain Wire Cloth, W't Per Doz. 12 lbs.

Nos.	114	116	118	120
Diam., in.	12	12	12	12
Mesh	14	16	18	20
Per dozen	$1.90	2.00	2.10	2.30
	ADJ	ADE	AEJ	AEE

Plated Wire Cloth.

Nos.	216	218	220
Mesh	16	18	20
Per dozen	$2.20	2.40	2.50
	AEJ	AFJ	AGJ

ONE DOZEN IN A CASE.

No. 0116—Diam. 10 in., 16 mesh, without supporting cross wires, w't per doz. 10 lbs.....per dozen **JHJ** $1.30

No. 0118—Diam. 12 in., 16 mesh, without supporting cross wires, w't per doz. 21 lbs. ....per dozen **JIE** $1.64

THREE DOZEN IN A BOX.

MEAL SIEVES.



Wood Rim, Diameter 12½ in., Plain Wire Cloth With Cross Bars.

Nos.	16	18	20
Mesh	16	18	20
Per dozen	$1.80	2.00	2.20
	AAJ	ABJ	ACJ

W'T PER DOZ. 8 LBS.
ONE DOZEN IN A BUNDLE.

No. 018—Assortment, standard 16 mesh, actual 14 mesh, consisting of 8 each of the following sizes, 10½, 11½ and 12½ in., w't 20 lbs., per assortment .....**AHE** $3.20

ONE ASSORTMENT (2 DOZ.) IN A STACK NESTED; TWO ASSORTMENTS (4 DOZ.) IN A CRATE.

CHAMPION SIEVES.



One Piece Plain Stamped Tin, Perforated Bottom.

No. 7—Champion, 9½x2 in., w't per doz. 4 lbs.....per dozen **JEJ** $1.00

No. 8—Champion, diam. 12 in., w't per doz. 6 lbs. .....per dozen **JHJ** $1.40

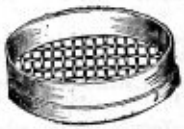
ONE DOZEN IN A PACKAGE.

RIDDLES.



No. 15—Farmer's, for sand or grain, 17 in., wood rim, black steel cloth with cross wires, 2, 3, 4, 5, 6, 7, 8, 10 and 12 mesh, average w't per doz. 23 lbs., per dozen .....**CHE** $6.00

No. 25—Galvanized, for foundry use, heavy, 18 in., wood rim, galvanized cloth with cross wires, 2, 3, 4, 6 and 8 mesh, average w't per doz. 26 lbs., per dozen .....**EDJ** $9.00

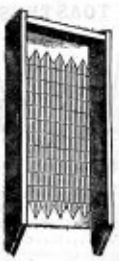


For Coal.

No. 020—Extra heavy wood rim, 18 in., black wire, ¾ in. mesh, average w't per doz. 48 lbs., per dozen **JFIJ** $11.50

ONE-HALF DOZEN IN A BUNDLE.

SAND SCREENS.



No. 30—4 or 5 mesh, 6x2 ft., frame 1½ in. stuff, dressed and painted, w't 22 lbs.....per dozen **BAFJ** $36.00

CORN POPPERS, POTATO MASHERS AND FLY KILLERS.

CORN POPPERS.



Square, Wire Lid.

No. 1—1 qt., size 6¼x4¼x2¼ in., with removable 19 in. stained wood handle, w't per doz. 5 lbs., per dozen .....**JIJ** $1.60

No. 6—1½ qt., size 7½x5x2½ in., with removable 19 in. stained wood handle, w't per doz. 6 lbs., per dozen .....**ADJ** $2.20

ONE-HALF GROSS IN A CASE.

No. 7—2 qt., size 9x6½x3 in., with removable 24 in. stained wood handle, w't per doz. 8 lbs., per dozen .....**AEE** $2.70

No. 8—4 qt., size 12x8x3½ in., with removable 24 in. stained wood handle, w't per doz. 18 lbs., per dozen .....**CAJ** $5.40

No. 18—8 qt., size 16x13x5 in., heavy bound, with 36 in. handle, strapped, w't per doz. 44 lbs., per dozen .....**BAEE** $37.50

ONE DOZEN IN A CASE. SOLD ONLY IN FULL BOXES.

STEEL CORN POPPERS.



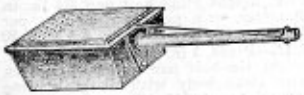
No. 024—1¼ qt. size, smooth sheet steel, sliding steel cover, stained wood handle, with wire rod for operating cover, w't per doz. 18 lbs., per dozen .....**AAE** $1.90

This is a leader. A first class, good appearing sheet steel popper at a special price.



No. 025—Perfection, 4 qt., size 7x9x3 in., sliding wire lid for sifting out unpopped corn, stained wood handle with wire rod for operating cover, w't per doz. 22 lbs., per dozen .....**ADE** $2.50

ONE DOZEN IN A CASE.



No. 25—Utility, size 7x9x3½ in., smooth sheet steel body and cover, tubular sheet steel handle, with wire rod for operating cover, w't per doz. 18 lbs., per dozen .....**BJE** $2.90

Can be used directly over flame, and the corn buttered while popping. Unpopped corn may be sifted out through holes in lid.

ONE DOZEN IN A BOX.

CORN POPPERS.



No. 20—Meteor, 2½ qt., size 9½ x7x3 in., heavy wire popper, strongly reinforced, with sliding sheet steel cover, wood handle, w't per doz. 16 lbs., per doz. .....**BBJ** $3.60

No hot cover to unfasten. Unpopped kernels can easily be sifted through cover. An old fashioned popper with improvements.

ONE DOZEN IN A CARTON.

POTATO MASHERS.



Nos. 11 and 111. No. 12.

No. 11—No. 11 tinned wire, black enameled wood handle, length 9 in., w't per doz. 2 lbs. .....per dozen **BE** $0.50

No. 111—No. 7 tinned wire, very rigid, mahogany finish wood handle, length 11 in., w't per doz. 5 lbs., per dozen .....**JFJ** $1.00

No. 12—No. 12 tinned wire, black enameled wood handle, length 11 in., w't per doz. 3 lbs. ....per dozen **DE** $0.80



No. 112. Nos. 9 and 99.

No. 112—Heavy, No. 10 tinned wire, mahogany finish wood handle, length 11 in., w't per doz. 4 lbs., per dozen .....**JFE** $1.10

No. 9—Tinned No. 11 wire, twisted shank, plain wood handle, length 8½ in., w't per doz. 2½ lbs., per dozen .....**EJ** $0.90

No. 99—Heavy, No. 10 tinned wire, twisted shank, black enameled wood handle, length 10 in., w't per doz. 4 lbs. .....per dozen **JFE** $1.20

POTATO MASHERS.



No. 44. No. 6.

No. 44—**Do It**, heavy twisted wire shank, closely woven wire pounder, diameter 3½ in., retinned, black enameled wood handle, length 11 in., w't per doz. 3 lbs., per dozen .....**JHJ** $1.38

No. 6—Tinned, slotted, curved steel blade, polished wood handle, 9 in. over all, w't per doz. 3 lbs., per dozen .....**JHE** $1.50

ONE DOZEN IN A PACKAGE.



No. 13—Extra heavy hotel, tinned wire, head 4½x4¼ in., wrought pipe shank, wood handle, length 20 in., w't per doz. 12 lbs. ....per dozen **DJJ** $7.00

ONE-HALF DOZEN IN A PACKAGE.



No. 45—Sanitary one piece head, 2¾x3¾ in., heavily nickel plated, black enameled handle, w't per doz. 3 lbs.....per dozen **JIJ** $1.50

The head is electric welded to the shank, making it extra strong.

ONE DOZEN IN A PACKAGE.

SKEWERS.



Needle Points, Assorted 2½ to 6 Inches.

No. 1—Tinned, w't per doz. sets 2¼ lbs., per dozen sets .....**ABE** $2.20

ONE DOZEN IN A PACKAGE.

FLY KILLERS, POISON, PAPER AND TRAPS.

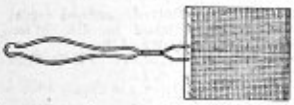
FLY KILLERS OR SWATTERS.



No. 5—Cruso, mahogany finish handle, wire cloth, soft velvet covered edge, will not scratch, soil or injure painted or varnished surfaces, kills but does not crush the flies, well made and very durable, w't per doz. 2 lbs., per dozen .....J G E $1.30

No. 5½—Same as No. 5, in quantities of one gross or more, per gross .....J H J E $14.00

ONE DOZEN IN A BOX.



No. 33—Perfect, black wire cloth with folded edge, bright wire handle, killing surface 5x5½ in., length over all 14½ in., w't per doz. 2 lbs., per dozen .....D J $0.70

No. 33½—Same as No. 33, in quantities of one gross or more, per gross .....D C J $7.50

ONE DOZEN IN A BOX.



No. 44—Swat-Sticka, black wire cloth, red wood handle, killing surface 5x 6½ in., w't per doz. 2 lbs., per dozen .....D E $0.80

No. 44½—Same as No. 44, in quantities of one gross or more, per gross .....D G J $8.00

ONE DOZEN IN A BOX WITH A DISPLAY STAND.



No. 17 REVERSIBLE—Black cloth with brown felt edging, bright wire handle, killing surface 5x6½ in., length over all 16 in., w't per doz. 2 lbs., per dozen .....J I J $1.60

No. 17½ REVERSIBLE—Same as No. 17 REVERSIBLE, in quantities of one gross or more, per gross .....J I H J $17.00

The REVERSIBLE Fly Swatter is extremely flexible. Will not scratch or mar painted or varnished surfaces. Kills but does not crush the flies. Not a better swatter made.

ONE DOZEN IN A BOX.

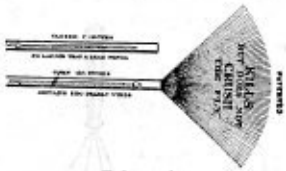
FLY KILLERS OR SWATTERS.



No. 6—King, 5x18 in. over all, special woven and tempered wire cloth, enameled handles, w't per doz. 2 lbs., per dozen .....J H E $1.50

No. 6½—Same as No. 6, in quantities of one gross or more, per gross .....J I B J $16.00

ONE DOZEN IN A BOX, WITH DISPLAY STAND.



Telescopic.

No. 9 B. A.—Length closed 7 in., open 13 in., polished steel spring wire bristles, w't per doz. 2 lbs., per dozen .....J I J $1.70

No. 9½ B. A.—Same as No. 9 B. A., in quantities of one gross or more, per gross .....A J C E $18.00

The spring steel swatting head telescopes into the handle, so that when not in use the B. A. Swatter takes up but little more space than an ordinary lead pencil.

TWO DOZEN IN A DISPLAY BOX.

POISON FLY KILLERS.



No. 8—Kill-a-Fly, handsomely lithographed tin, representing a slice of watermelon, 5½ in. diameter, ½ in. deep, contains fly killing material, which becomes instantly effective when container is filled with water, w't per doz. 2 lbs., per dozen .....A J E $1.75

Has seven holes, six of which have wicks which absorb and hold the moisture that is so deadly to the fly, and the seventh has a cork which is removed for filling.

THREE DOZEN IN A CARTON.

POISON FLY KILLERS.



No. 90—Daisy, lithographed tin, 3½x6 in., filled with poison which is absorbed by the felt centers of the daisies, w't per doz. 1 lb. ....per dozen A E J $2.50

Attractive in appearance, cleanly in use, and very effective as a fly killer.

ONE DOZEN IN A BOX.

FLY PAPER.



No. 1—Box of 25, 9x16 in., double sheets, per box .....C E $0.60

No. 2—Case of 10 boxes, w't per case 28 lbs. .....per case C A J $5.40

FLY TRAPS.



This is the most sanitary fly trap made; the screw cap fits ordinary fruit jars.

No. 48—Dixie, 3 in. screw cap, with wire cloth cone and wood feet, w't per doz. 1 lb. .....per dozen J I J $1.50

THREE DOZEN IN A BOX.
ONE IN A CARTON WITH DIRECTIONS.



No. 49.



No. 175.

No. 49—Yankee, black wire cloth, diam. 5 in., height 5 in., bait pan 4½ in. in diameter, w't per doz. 6 lbs., per dozen .....A A E $1.90

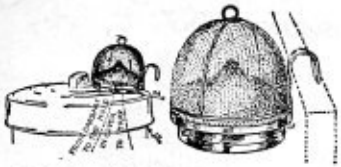
No. 175—Pines, 3 in. square, 5½ in. high, bright tin bait pan and cover, black wire cloth body with metal binding around top and bottom, w't per doz. 4 lbs. .....per dozen J I E $1.60

The side entrance to the bait pan is far more effective than the bottom entrance used on other fly traps. The square angles in the wire cloth body make it extra firm. The most effective as well as the most substantial fly trap made.

ONE DOZEN IN A PACKAGE; THREE DOZEN IN A CASE.

FLY TRAPS, POWDER GUNS, ETC.

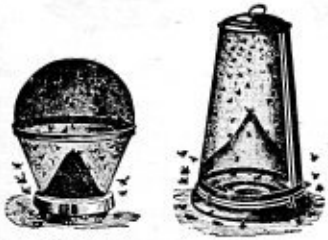
FLY TRAPS.



No. 50—Prof. Hodge's brass plated wire cloth, diameter 5 in., height 4 in., tin bottom, with extra open bottom, w't per doz. 10 lbs., per dozen **BFJ** $4.00

This is the extensively advertised Out Door Fly Exterminator. It is intended for use in every possible place where flies come. Strongly braced with reinforcing wires to withstand hard usage. The open bottom is intended for use on garbage cans or for attaching the trap to screen doors. The hook makes it possible to hang on window screens, also can be used as a handle when scalding flies.

ONE DOZEN IN A CASE.



No. 70. No. 60.

No. 70—Balloon, bright cloth wire, tin bottom, height 7 in., w't per doz. 6 lbs. .....per dozen **ABJ** $2.10

No. 60—Harper, painted cloth wire, tin bottom, height 9 in., w't per doz. 8 lbs. .....per dozen **ADE** $2.40

ONE DOZEN IN A BOX.

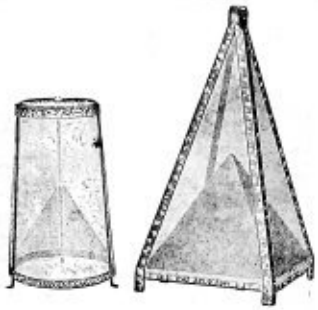


No. 177—Perfection, for outdoor or indoor use, galvanoid, rust proof cloth, seamless tin bait pan, diameter 11 in., height 10 inches, w't per dozen 15 lbs., per dozen .....**EGE** $9.60

This trap is built along the line of the Prof. Hodge Trap, but in mammoth size. Recommended especially for markets, restaurants, etc., because of its very attractive appearance.

ONE DOZEN IN A BOX.

FLY TRAPS.



No. 178. No. 180.

No. 178—Duke, junior size, out door trap, black cloth with galvanized iron frame, stamped galvanized cover, diameter 7½ in., height 14 in., w't per doz. 20 lbs. ....per dozen **EGE** $8.00

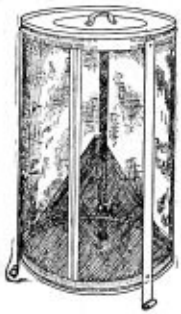
Although shipped nested, this trap requires practically no assembling, simply push cone in place and the trap is ready for use.

ONE DOZEN IN A BOX.

No. 180—Perfect, galvanized iron frame, with black wire cloth, height 28 in., 12 in. square at bottom, w't per doz. 30 lbs. .....per dozen **AJBJ** $17.00

This is the most substantial out-door fly trap made, it is both wind and weather proof. The best all galvanized out-door fly trap at a very low price.

ONE-HALF DOZEN IN A SHIPPING CARTON.



No. 179—Red Cross, 22 in. high, 12 in. in diameter, black wire cloth body and cone, galvanized iron side strips, tin cover. w't per doz. 30 lbs., per dozen .....**AAEJ** $16.80

This trap is intended for use out of doors. Should be set near restaurants, bakeries, groceries, stables, etc. A pie plate filled with sugar and vinegar set beneath the trap is as good bait as can be found.

ONE-HALF DOZEN KNOCKED DOWN IN A CASE.

POWDER BELLOWS.



No. 14—Polished tin powder holder, wood frame, green leather bellows, length 20 in., w't per doz. 12 lbs., per dozen .....**AEFJ** $22.00

This bellows must not be compared with some of the cheaper makes on the market, as these have been made in Switzerland for the past thirty years by one concern. They are particularly well made and closely nailed, which gives considerable more force.

ONE IN A BOX.

POWDER GUNS.



No. 1005—Whirlwind, 4½ in. diam., spun tin, brass plated screw top, w't per doz. 3½ lbs. ....per dozen **BDJ** $4.00

ONE-HALF DOZEN IN A BOX.



No. 1—Magazine and barrel are gold lacquered and the top plate is neatly decorated, w't per doz. 1 lb., per dozen .....**EE** $0.96

ONE DOZEN IN A BOX.

DAVIS SANITARY ROACH TRAPS.



No. 90—Tin base, with wire cloth top, diameter 5¼ in., w't per doz. 4 lbs., per dozen .....**AEJ** $4.00

There are three tubular entrances into the trap, through which the roaches may enter. Once inside they cannot find their way out again. Bait with onion, scraps of fish, wet bread, etc. Destroy roaches by pouring hot water into the trap.

Sanitary and far more effective than poison, etc.

ONE-HALF DOZEN IN A DISPLAY BOX.

JAPANNED BIRD CAGE ASSORTMENTS.

These cages are kiln japanned in white and colors. No pigment composed of lead, copper or other substance which would prove injurious to birds is used. Furnished with "Peerless" flint, closed top seed cups. Each assortment is made up of nestable cages of about equal salability, which saves in the cost of package and freight, and to better protect them from damage in transit.

ASSORTMENT "F."


No. 145.


No. 16.


No. 116.

Assortment consists of one each of the following cages, not sold separately—

No. 16—	6¼x 8 in., ring top	each $0.95
No. 17—	7½x10 in, ring top	each 1.25
No. 19—	8 x10½ in., ring top	each 1.50
No. 20—	8½x11¾ in., ring top	each 1.75
No. 145—	6¼x 9¼ in., knob top	each 1.25
No. 116—	9½x11½ in., knob top, metal bound corners, each	2.15

Assortment "F"—The above six cages nested in a case complete with swings, perches and seed cups, w't 30 lbs., per case ..... EJJ $8.30

ASSORTMENT "G."


Nos. 24 & 120.


No. 67.


Nos. 142 to 144.

Assortment consists of one each of the following cages, not sold separately—

No. 67—	7½x 7½ in., ring top	each $1.00
No. 24—	8 x 8 in., knob top	each 1.20
No. 120—	10 x10 in., knob top	each 1.90
No. 142—	8½x 8½ in., knob top, fancy roof	each 1.50
No. 143—	9¼x 9¼ in., knob top, fancy roof	each 1.75
No. 144—	10½x10½ in., knob top, fancy roof	each 2.15

Assortment "G"—The above six cages nested in case, complete with swings, perches and seed cups, w't 29 lbs., per case ..... EDJ $9.00

ASSORTMENT No. 22.



Assortment consists of one each of the following japanned cages—

No. 159—	7½x7½ in., 15 in. high	each $1.15
No. 160—	8 x8 in., 15½ in. high	each 1.35
No. 161—	8¼x8¾ in., 16½ in high	each 1.55
No. 02—	8½x6 in., 13½ in. high	each 1.10
No. 165—	9¼x6½ in., 15½ in. high	each 1.15
No. 166—	10½x7 in., 16 in. high	each 1.55

Assortment No. 22—W't 25 lbs. ..... per case DCJ 7.50

ASSORTMENT "N."


Nos. 600 to 602.


Nos. 500 to 502.


Nos. 16 to 67


Nos. 24 & 120.

Assortment consists of one each of the ollowing cages, not sold separately—

No. 600—	6 x 9 in., octagon corners, knob top	each $0.95
No. 601—	6¼x 9¼ in., octagon corners, knob top	each 1.05
No. 602—	7¼x10½ in., octagon corners, knob top	each 1.35
No. 500—	8 x 8 in., octagon corners, knob top	each 1.30
No. 501—	8¼x 8¾ in., octagon corners, knob top	each 1.50
No. 502—	9½x 9½ in., octagon corners, knob top	each 1.75
No. 16—	6¼x 8 in., square corners, ring top	each .95
No. 17—	7½x10 in., square corners, ring top	each 1.25
No. 19—	8 x10½ in., square corners, ring top	each 1.50
No. 67—	7½x 7½ in., square corners, ring top	each 1.00
No. 24—	8 x 8 in., square corners, knob top	each 1.20
No. 120—	10 x10 in., square corners, knob top	each 1.90

Assortment "N"—The above twelve cages, nested in a case, complete with swings, perches and seed cups, w't 59 lbs., per case ..... JIJJ $15.00

ASSORTMENT "D2."


Nos. 16 to 20.


Nos. 612 to 614.

Assortment consists of the following cages, not sold separately—

1 only No.	16—	6¼x 8 in., ring top	each $0.95
3 only No.	17—	7½x10 in., ring top	each 1.25
3 only No.	19—	8 x10½ in., ring top	each 1.50
2 only No.	20—	8½x11¾ in., ring top	each 1.75
1 only No.	612—	7¼x10½ in., ring top	each 1.45
1 only No.	613—	7¼x11 in., knob top	each 1.80
1 only No.	614—	8½x11¾ in., knob top	each 1.60

Assortment "D2"—The above twelve cages nested in a case, complete with swings, perches and seed cups, w't 55 lbs., per case ..... JIIJ $16.50

THE SIZES GIVEN ARE THE INSIDE MEASUREMENTS.

BIRD CAGE ASSORTMENTS.

JAPANNED CAGES are all kiln baked in white and colors. No pigment composed of lead, copper or other substances which would be injurious to birds is used. Furnished with "Peerless" Flint, closed top seed cups.
BRASS CAGES are made of brass spring wire, the bottoms are stamped from one piece of brass and furnished with removable bright tin mats, and "Peerless" Opal, closed top seed cups. Well lacquered to prevent tarnishing.
ASSORTMENTS are made up of nestable cages of about equal salability, thereby saving in cost of package and freight, and to better protect from damage in transit.

ASSORTMENT "X" MIXED.



Nos. 17 to 20.



Nos. 333 to 337.

Assortment consists of one each of the following cages, not sold separately—

No. 17—Japanned, 7½x10 in., ring top .....each $1.25
No. 19—Japanned, 8x10½ in. ,ring top .....each 1.50
No. 20—Japanned, 8½x11¾ in., ring top .....each 1.75
No. 333—Brass, 6x9 in., ring top .....each 1.65
No. 335—Brass, 6¼x9¾ in., ring top .....each 2.00
No. 337—Brass, 7½x10½ in., ring top .....each 2.35

Assortment "X"—The above six cages nested in a case, complete with swings, perches and seed cups, w't 30 lbs., per case .....**JFAJ** $10.20

ASSORTMENT "J" BRASS.



Nos. 333 to 337.



Nos. 342 to 346.

Assortment consists of one each of the following Brass Cages, not sold separately—

No. 333—6x9 in., ring top .....each $1.65
No. 335—6¼x9¾ in., ring top .....each 2.00
No. 337—7½x10½ in., ring top .....each 2.35
No. 342—6¼x9¾ in., ring top, with railing.....each 2.55
No. 344—7½x10½ in., ring top, with railing.....each 2.75
No. 346—8x11 in., ring top, with railing.....each 3.35

Assortment "J"—The above six cages nested in a case, complete with swings, perches and seed cup, w't 30 lbs., per case .....**JHGJ** $14.50

ASSORTMENT "O" MIXED.



Nos. 67 to 20



Nos. 24 & 120.



Nos. 333 to 337



Nos. 342 to 346.

Assortment consists of one each of the following cages, not sold separately—

No. 67—Japanned, 7½x7½ in., ring top.....each $1.00
No. 17—Japanned, 7½x10 in., ring top.....each 1.25
No. 19—Japanned, 8x10½ in., ring top.....each 1.50
No. 20—Japanned, 8½x11¾ in., ring top.....each 1.75
No. 24—Japanned, 8x8 in., knob top.....each 1.20
No. 120—Japanned, 10x10 in., knob top.....each 1.90
No. 333—Brass, 6x9 in., ring top.....each 1.65
No. 335—Brass, 6¼x9¾ in., ring top.....each 2.00
No. 337—Brass, 7½x10½ in., ring top.....each 2.35
No. 342—Brass, 6¼x9¾ in., ring top.....each 2.55
No. 344—Brass, 7½x10½ in., ring top.....each 2.75
No. 346—Brass, 8x11 in., ring top.....each 3.35

Assortment "O"—The above twelve cages, nested in a case, complete with swings, perches and seed cups, w't 62 lbs., per case .....**ACHJ** $23.00

ASSORTMENT "W."



Plain.



Guard.

Assortment consists of one each of the following cages—

Plain.

No. 7004—9⅝x6½ in., 12¾ in. high.....each $2.40
No. 7006—10⅝x7½ in., 13¼ in. high.....each 2.80
No. 7008—10¾x7¾ in., 13½ in. high.....each 3.50

Guard.

No. 7004—9⅝x6½ in., 12¾ in. high.....each 3.75
No. 7006—10⅝x7½ in., 13¼ in. high.....each 4.50
No. 7008—10¾x7¾ in., 13½ in. high.....each 5.00

Assortment "W"—The above six cages nested complete with perches, swings and seed cups, w't 25 lbs., per case .....**ABJJ** $20.00

THE SIZES GIVEN ARE THE INSIDE MEASUREMENTS.

BIRD CAGES.

Sold Separately.

BRASS CAGES. Made of brass spring wire. The bottoms are stamped from one piece of brass and have removable bright tin mats. Lacquered to prevent tarnishing.

ENAMELED CAGES. Beautifully enameled in white, and striped in gold, producing a very artistic effect.

JAPANNED CAGES. All japanned cages are kiln-baked in white and colors. No pigment composed of lead, copper or other substance which would prove injurious to birds is used.

BRASS.



No. 506—10¾x7⅜ in., 12¼ in. high, per dozen ..... **AGFJ** $29.36

No. 510—13x8½ in., 14¼ in. high, per dozen ..... **BFDJ** $44.00

No. 506-N—Nest of 6 consisting of 2 each of the following sizes 9⅝x6 in., 11⅝ in. high, 10⅛x7⅛ in., 12¼ in. high, 10¾x7¾ in., 12½ in. high, per nest ..... **JIGE** $14.85

The above cages have improved smooth edge bottoms. Furnished complete with swings, perches and opal seed cups.



Brass Guard.

No. 5008—10¾x7¾ in., 12½ in. high, per dozen ..... **BIBJ** $48.70

No. 5008-N—Nest of 3 consisting of 1 each of the following sizes, 10⅛x7⅛ in., 12¼ in. high, 10¾x7¾ in., 12½ in. high, 13x8½ in., 14¼ in h.igh, per nest ..... **JHBE** $12.50

The above cages have fine mesh brass guard and improved smooth edge bottoms. Furnished complete with swings, perches and seed cups.



Hendryx New Style Mission.

No. 8020—Dull brass finish, body 8¾x8¾ in., 15¾ in. high, solid brass with drawer base and porcelain cups, w't per doz. 60 lbs., per dozen ..... **JFABJ** $102.00

BRASS.



Fancy Brass Globe.

No. 6020—12 in. diameter, 17 in. high, close spaced spring brass wires, solid brass rails, polished brass foot piece, fine mesh brass guard, porcelain cups, w't per doz. 60 lbs., per dozen ..... **JGACJ** $108.00

WHITE ENAMELED.



No. 235—8¼x13 in., 18 in. high, per dozen ..... **AHJJ** $30.00

No. 234-N—Nest of 6 consisting of 2 each of the following sizes, 7½x11 in., 16¾ in. high, 8¼x12¼ in., 17½ in. high, 8¼x13 in., 18 in. high, per nest ..... **JHCJ** $14.85

Furnished complete with swings, perches and opal seed cups.



Brass Guard.

No. 2235—8¼x13 in., 18 in. high, per dozen ..... **BEBJ** $42.00

No. 2234-N—Nest of 3 consisting of 1 each of the following sizes, 7½x11 in., 16¾ in. high, 8¼x12¼ in., 17½ in. high, 8¼x13 in., 18 in. high, per nest ..... **EHE** $9.75

Furnished complete with swings, perches and opal seed cups.

JAPANNED.



No. 17—7½x10 in., 11½ in. high, per dozen ..... **JHGE** 14.60

No. 19-N—Nest of 6 consisting of 2 each of the following sizes, 7½x10 in., 11½ in. high, 8x10½ in., 12½ in. high, 8x11¾ in., 13½ in. high, per nest ..... **ECE** $8.75

The above cages are furnished complete with swings, perches and crystal seed cups.



No. 614—8½x11¾ in., 13 in. high, per dozen ..... **ABFJ** 21.00

No. 613-N—Nest of 6 consisting of 2 each of the following sizes, 7¼x10 in., 10½ in. high, 7¾x11 in., 12 in. high, 8½x11¾ in., 13 in. high, per nest ..... **EGJ** $9.50

The above cages are furnished complete with swings, perches and crystal seed cups.



No. 116—9½x11¾ in., knob top, metal bound corners, complete with perches, swings, and crystal seed cups, per dozen ..... **AEFJ** $26.00

SIZES GIVEN ARE THE INSIDE MEASUREMENTS.

CAGES.

BREEDING.



Tinned Wire, Laced Through Wood Frame, Removable Wire Partition, Drawer Bottom, Solid Back, Complete with Seed Cups and Perches.

No. 4—Nest of 3 cages, sizes as below, per nest .....**EDE** $9.10
Double, 19 in. long, 10 in. wide, 13½ in. high.
Double, 21 in. long, 11 in. wide, 14 in. high.
Double, 23 in. long, 12 in. wide, 16½ in. high.

These cages are sold in nests only, we cannot furnish single cages.
ONE NEST IN A CASE. W'T 45 LBS.



Japanned White and Colors.

No. 28—9x16¼ in. with removable wire partition and drawer bottom, solid metal back, complete with seed cups and perches, w't per doz. 45 lbs., per dozen .....**BHBJ** $47.00
ONE-HALF DOZEN IN A BOX.

SQUIRREL.



No. 01—House, bright tin, 14 in. long, 10 in. wide, 13 in. high, with coop under roof, revolving wheel 14 in. long, 10¼ in. diameter, tubular tin spokes, very rigid and easy running, entire cage mounted on wood board 32 in. long, w't 30 lbs., per dozen .....**DACJ** $68.00
ONE IN A BOX.

SQUIRREL.



No. 02—Tinned wire, 15½ in. long, 10½ in. wide, 15 in. high, with strong wire revolving wheel and tin coop, w't 20 lbs. .....per dozen **CHDJ** $64.00
ONE IN A BOX.

WOOD MOCKING BIRD.



Tinned Wire, Laced Through Wood Frame, Sliding Drawer Bottom, Seed Cup Holders, and Metal Corner Braces.

No. 1—Nest of 4 cages, sizes as below, per nest .....**JFJJ** $10.00

	Length.	Width.	Hgt.
Oblong Canary, in..	17	9¼	16
Robin, in.....	19½	11½	18½
Robin, in.....	22	12½	20½
Mocking Bird, in...	23½	14	22½

These cages are sold in nests only; we cannot furnish single cages.
ONE NEST IN A CASE. W'T 50 LBS.

No. 2—Nest of 5 cages, sizes as below, per nest .....**JHAJ** $13.50

	Length.	Width.	Hgt.
Oblong Canary, in..	17	9¼	16
Robin, in.....	19½	11½	18½
Robin, in.....	22	12½	20½
Mocking Bird, in...	23½	14	22½
Mocking Bird, in...	25½	15	23½

These cages are sold in nests only; we cannot furnish single cages.
ONE NEST IN A CASE. W'T 62 LBS.

No. 10—Single mocking bird cages, 25½ in. long, 15 in. wide, 23½ in. high .....per dozen **BDFE** $41.10
ONE IN A CASE. W'T 38 LBS.

REVOLVING.



Japanned White and Colors.

No. 1500—9x13¼ in. body, 19 in. high, revolving front, fancy ornamented bottom, complete with perches and crystal seed cups, w't per doz. 20 lbs., per dozen .....**BDFJ** $41.00
ONE DOZEN IN A BOX.

PARROT.



Tinned.

No. 80—Diam. 14 in., height 22 in., w't 5½ lbs. .....per dozen **CAGJ** $48.00
No. 85—Diam. 15½ in., height 24 in., w't 6½ lbs. .....per dozen **DCEE** $66.00
No. 90—Diam. 17½ in., height 29 in., w't 9½ lbs. .....per dozen **EEDE** $84.00

No. 888—Nest of 3 cages, consisting of one each of Nos. 80, 85 and 90, w't 21½ lbs., per dozen nests.....**AAHHJ** $180.00
ONE-HALF DOZEN IN A BOX.



No. 66—17x17 in., height 24½ in., bright tinned wire, laced wrought heavy metal frame, fancy ornamented bottom, complete with swings, perches and tin self-locking feed cups, w't 14 lbs.....per dozen **JFDHJ** $108.00
ONE IN A BOX.

BIRD SUNDRIES.

KENTUCKY WILD GRASS SEED.



No. 54-D.

SONG RESTORER.



No. 52-D.

No. 54-D—In patent spout top cartons, 3 in. in diameter, 3½ in. high, w't per doz. 10 lbs. ....per dozen **JIE** $1.60

No. 52-D—In friction top cartons, 2 in. in diameter, 3 in. high, w't per doz. 3 lbs. .....per dozen **JIE** $1.60

ONE DOZEN IN A CASE.

MOULTING FOOD.



No. 59-D.

CHARCOAL.



No. 57-D.

No. 59-D—In friction top cartons, 2 in. in diameter, 2 in. high, w't per doz. 2 lbs. .....per dozen **JIE** $1.60

No. 57-D—In friction top cartons, 2 in. in diameter, 3 in. high, w't per doz. 1 lb. .....per dozen **JIE** $1.60

ONE DOZEN IN A CASE.

SALVE.



No. 58-D—In small, white tin covered jars, w't per doz. 5 lbs., per dozen .....**ADE** $2.40

ONE DOZEN IN A CASE.

ASSORTMENT BIRD SPECIALTIES.

No. 50-D—Containing

	Doz.	
1 doz. No. 51-D Magnesia Grit	$1.60	$1.60
1 doz. No. 52-D Song Restorer	1.60	1.60
½ doz. No. 53-D Egg Bread	1.60	.40
¾ doz. No. 54-D Kentucky Wild Grass Seed.....	1.60	1.20

3 doz. with display stand free **BIJ** $4.80

W'T PER ASSORTMENT, 28 LBS. ONE ASSORTMENT IN A CASE.

MAGNESIAN CANARY GRIT.



No. 51-D.

EGG BREAD.



No. 53-D.

No. 51-D—Contains lime, charcoal and magnesia, in patent spout carton, 3 in. in diameter, 3½ in. high, w't per doz. 15 lbs. .....per dozen **JIE** $1.60

No. 53-D—In friction top cartons, 3 in. in diameter, 3 in. high, w't per doz. 5 lbs. .....per dozen **JIE** $1.60

ONE DOZEN IN A CASE.

BIRD SEEDS.



No. 55-D.

HEMP AND PEPPER.



No. 56D.

No. 55-D—Sun Beam Brand, in patent spout top cartons, 3¼ in. in diameter, 5 in. high, w't per doz. 15 lbs., per dozen .....**AEJ** $4.50

No. 56-D—In friction top cartons, 2 in. in diameter, 3 in. high, w't per doz. 2 lbs.....per dozen **JIE** $1.60

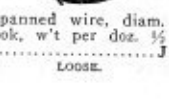
BIRD BATHS.



No. 1—Flint glass, assorted sizes, 4½ and 5½ in. .....per dozen **EJ** $0.80
No. 2—Opal glass, assorted sizes, 4½ and 5½ in. .....per dozen **EE** $0.90

LOOSE.

BIRD NESTS.



No. 4—Japanned wire, diam. 4½ in., with hook, w't per doz. ½ lb., per dozen .....**JFE** $1.10

LOOSE.

SEED CUPS.



Nos. 1 and 2.



Nos. 3 and 5.

Round Bottom.

No. 1—Flint glass, furnished with japanned cages ....per dozen **DJ** $0.72
No. 2—Opal glass, furnished with brass cages .....per dozen **EJ** $0.84
No. 3—Opal glass, furnished with enameled cages .....per dozen **DE** $0.78
No. 5—Flint glass, furnished with Nos. 1500 and 1520 cages, per doz. **DE** $0.78



No. 4—Opal glass, furnished with Hendryx brass cages, per dozen **DJ** $0.60

LOOSE.

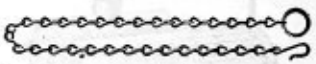
BIRD CAGE SPRINGS AND CHAINS.



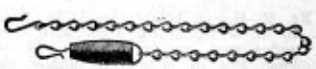
No. 6—Brass plated springs, with hook, length 3½ in. ....per dozen **AE** $0.28
No. 8—Brass springs, with hook, length 3 in. .....per dozen **CE** $0.56



No. 9—Double spring, brass, with hook and cross bar, length 5 in., per dozen .....**JIE** $1.60



No. 5—12 in. brass chains, per dozen .....**DJ** $0.70
No. 10—18 in. brass chains, per dozen .....**EE** .90
No. 15—24 in. brass chains, per dozen .....**JFE** 1.10



No. 20—24 in. brass chain, with spring, per dozen .....**JHE** $1.40
No. 7—Safety hooks, as furnished with above chains.....per dozen **BJ** $0.36

ONE DOZEN IN A BOX.

POCKET MATCH SAFES AND TOY BANKS.

MATCH SAFES.



No. 51.



No. 398.

No. 51—1⅛x2¼ in., nickel plated engraved.....per dozen **JFJ** $1.20

No. 398—⅛x2¼ in., miners' waterproof, seamless heavy brass, nickel plated, per dozen .....**JGJ** $2.00

ONE DOZEN IN A BOX.



No. 130.



No. 840.

No. 130—1¼x2¼ in., brass, nickel plated, heavy one-piece spring, per dozen .....**JIE** $2.00

No. 840—1½x2¼ in., heavy brass, nickel plated, strong spring, per dozen .....**ABJ** $2.50

ONE DOZEN IN A BOX.



No. 425.

No. 425—1¼x2¼ in., nickel plated, satin finish, Masonic emblems on both sides, strong spring, per dozen .....**BDJ** $4.00

No. 725—Odd Fellows emblems on both sides, otherwise same as No. 425, per dozen .....**BDJ** $4.00
These safes are well finished and are a credit to the emblems they bear.

ONE DOZEN IN A BOX.

MATCH SAFES.



No. 15—Assortment, consists of twelve safes, assorted designs, 1⅝x2¼ in., nickel plated, oxidized and pearl effect panels, in display cabinet, per assortment .....**AEJ** $3.00

No. 25—Assortment, 1½x2¼ in., otherwise same as No. 15, in display cabinet .....per assortment **BDJ** $5.00



No. 35—Assortment, consists of twelve safes 1½x2¼ in., nickel plated, satin finish, emblems on both sides, assorted, 3 Masonic, 2 Odd Fellows, 2 Elks, 1 Eagle, 1 Woodmen, 1 Forester, 1 Knights of Pythias, 1 Knights of Columbus, fraternal orders in display cabinet ....per assortment **BDJ** $5.00

If a quantity of safes with all the same emblem, (other than Masonic and Odd Fellows, which are stocked separately) are wanted, we can get them from factory and include with next shipment.

TOY SAVINGS BANKS.



No. 550—Security, five coin, registers pennies, nickels, dimes, quarters and halves, case is "Ech-kraft," a finish combining beautiful color effects with an actual brass finish, opens automatically when $10.00 is registered, w't per doz. 53 lbs., per dozen .....**BJDJ** $27.00

ONE IN A BOX.

TOY SAVINGS BANKS.



No. 300—Commonwealth, three coin, registers nickels, dimes and quarters accurately through same slot, opens automatically when $10.00 is registered, artistically lithographed in colors, all parts of extra strong steel 5x5x4 in., w't per doz. 31 lbs., per dozen .....**JIJJ** $12.00
Works like cash register with lever adding value of each coin deposited and registers total upon a dial on front of bank.

ONE IN A BOX.



No. 400—Provident, four coin, registers and adds, pennies, nickels, dimes and quarters in most unique way through same slot, opens automatically when $10.00 i s registered, attractive case, lithographed in black and gold, all parts steel, 5x4x4½ in., w't per doz. 30 lbs. .....per dozen **AJBJ** $15.00
The nickels, dimes and quarters register as soon as lever is pulled down, but pennies do not register until the fifth has been deposited.

ONE IN A BOX.

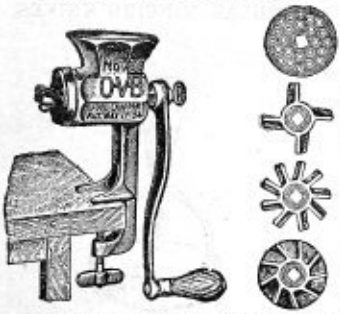


No. 500—Home Savings, five coin, registers and adds pennies, nickles, dimes, quarters and halves, when $10.00 is registered door opens automatically, lithographed case in oxidized copper and gold, all parts of steel, 6⅞x7x4¾ in., w't per doz. 49 lbs., per dozen .....**AECJ** $21.00

ONE IN A BOX.

O.K.B. FOOD AND MEAT CHOPPERS.

O.K.B. FOOD CHOPPERS.



Does not mash or squeeze, but chops into clean cut, uniform pieces, all kinds of meat, raw or cooked, also vegetables and fruits, fine or coarse as wanted.

Fine spiral channels inside cylinder, each channel leads up to a separate outlet. Five large outlets in the end of cylinder permit food to pass without crushing. Long knife blades mean great cutting surface, and explain the double capacity, as compared with other food choppers of the same sizes.

All parts guaranteed against defect. All repair parts carried in stock.

Heavily Tinned, All Parts Interchangeable.

Nos.	7	70
Hopper, in.	2½x3⅛	3⅛x4
Cylinder, in.	2⅛x3⅛	2⅞x5⅝
Height from table, in..	5⅛	5¾
W't per doz., lbs.	50	62
Per dozen	$15.00	18.00
	AJCJ	ABCJ

Nos.	700	7000
Hooper, in.	3½x4⅝	4⅛x4⅞
Cylinder, in.	2⅛x3⅝	2½x4¼
Height from table, in..	6½	7
W't per doz., lbs.	75	110
Per dozen	$21.00	27.00
	ADGJ	AIBJ

Four cutters are furnished with each chopper, coarse, medium, fine and nut butter grinder.

The coarse (four tooth) cutter for chopping apples, fresh and dried fruits, vegetables, clams, salt pork, suet and cooked meats.

The medium (nine tooth) cutter for chopping all the above, bread, crackers and other foods.

The fine (perforated plate) cutter is particularly desirable for chopping raw meat, also vegetables and other foods desired fine.

The nut butter cutter for grinding nuts, etc., for nut butter, or anything required extremely fine.

ONE IN A BOX; ONE-HALF DOZEN IN A CASE.

O.K.B. MEAT CHOPPERS.

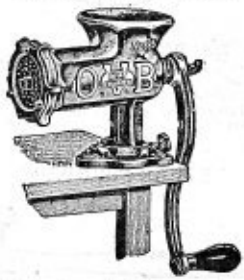
One ⅜ in. Plate is Regularly Furnished with Each Chopper.



Heavily Tinned, All Parts Interchangeable.

Nos.	8	80
Hopper, in.	3⅛x3⅝	4⅛x4¼
Cylinder, in.	2x5	2¾x7⅛
Height from table, in...	6	6¼
W't per doz., lbs.	60	120
Per dozen	$21.00	30.00
	AGEJ	BDIE

ONE-HALF DOZEN IN A CASE.



Easily Detachable Base Plate.

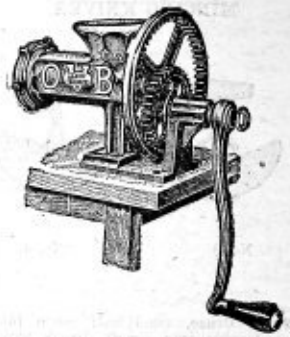
Heavily Tinned, All Parts Interchangeable.

Nos.	83	85
Hopper, in.	3⅛x3⅞	4⅛x4¼
Cylinder, in.	2x5	2¾x7⅛
Height, in.	6	6¼
W't per doz., lbs.	60	114
Per dozen	$21.00	27.00
	AGEJ	BBEJ

Nos.	850	870
Hopper, in.	5x6	6x7
Cylinder, in.	3⅛x8⅜	3½x10¼
Height, in.	8¾	9¼
W't per doz., lbs.	210	342
Per dozen	$48.00	60.00
	CIIE	EJAJ

NOS. 83 AND 85, ONE-HALF DOZEN; BALANCE ONE-QUARTER DOZEN IN A CASE.

O.K.B. MEAT CHOPPERS.



Hopper Easily Detached From Gearing and Base Plate.

One Plate ⅜ in. Hole is Regularly Furnished with Each Chopper.

Heavily Tinned, All Parts Interchangeable.

Nos.	855	875
Hopper, in.	5x6	6x7
Cylinder, in.	3½x8¾	5½x10¾
Height, in.	8¾	9¼
W't per doz., lbs.	456	635
Per dozen	$84.00	108.00
	FIIE	JIJJ

ONE IN A CASE.

O.K.B. POWER MEAT CHOPPERS.



No. 865—Extra heavily coated with pure, bright tin, stand and gears painted red, four plates with each machine, one each with ⅛, ⅜, ¼ and ⅜ in. holes, four knives, one wrench, height 13 in., base 7x8 in., hopper 5x6¼ in., puley 12x3 in., cylinder 3½x8¾ in., shipping w't each 125 lbs., each ..... ACHJ $16.50

Knives and plates are made of the BEST TOOL STEEL, fit together perfectly so that when knife revolves against the plate meat is CUT in a rotary scissor-like manner. SINEWS and GRISTLE pass through the machine without extra effort and are smoothly and evenly cut.

EXTRA LONG CRANK gives good leverage and body of chopper is well UP OFF TABLE and has no hind "legs" to interfere with placing of dish UNDERNEATH END of machine.

One of the principle features of O.K.B. Meat Choppers is that they are readily DETACHABLE from block or bench to which bottom plate is attached and MAY BE WASHED and SET ASIDE when not in use, or may be put in the ice box in hot weather to prevent small particles of meat from becoming tainted.

You will note we do not give the "capacity per minute" on any of our machines. This cannot be estimated with any degree of accuracy on ANY meat chopper, unless the speed at which it is operated is considered.

The O.K.B. is guaranteed to cut as fast, or faster, than any competitive chopper of comparative size.

O.V.B. CHOPPER ASSORTMENTS AND DISPLAY STANDS.

No. 97 O.V.B. CHOPPER ASSORTMENT.



Easel Backed O.V.B. Display Shield, 12x14½ in., Die Cut from Sheet Steel and Beautifully Lithographed in the O.V.B. Colors, Blue, Black, Gold and White. It is so Constructed that one No. 70 Chopper is Held Securely in Position, with Provision for Showing the Four Cutters Separately. The Use of Each Cutter is Described in a Few Words.

An Assortment consists of the following—

1 Easel Back Shield Display.
¼ dozen No. 7 O.V.B. Choppers.
¼ dozen No. 70 O.V.B. Choppers.
¼ dozen No. 700 O.V.B. Choppers.
Per assortment .....ACBJ $25.00

SHIPPING W'T 63 LBS.

This handsome Easel Display may be used either in show window or on counter, and being lithographed, will not look shopworn after a few weeks.

One Chopper is displayed WELL, and unlike stands showing six or more choppers, it is not necessary to rearrange after every sale.

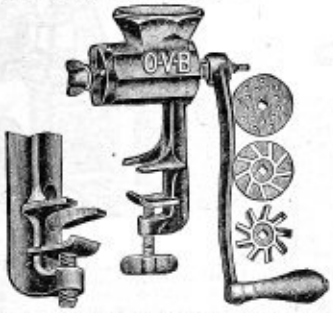
No. 107 O.V.B. CHOPPER DISPLAY.

No. 107—Consisting of—

¼ doz. No. 7 Improved O.V.B. Choppers
¼ doz. No. 70 Improved O.V.B. Choppers
¼ doz. No. 700 Improved O.V.B. Choppers
1 Improved Display Case—18½ in. wide, 25 in. high, three shelves, steel feet, capacity 12 choppers, w't per case 62 lbs., per case .....ACJJ $25.00

The case is finished in Malachite green inside and out, the feet in bright red; the whole, with the brightly finished choppers in place, making a very handsome display.

When the chopper season is over this case is adapted for displaying many items found in every store.



IMPROVED O.V.B. CHOPPERS embrace all the GOOD features of the choppers sold all over the United States for so many years, and THESE NEW IMPROVEMENTS: The underside of the top part of clamp has been made smooth, so that it may be used on any table without marring the finish. On the thumb screw a plate of special design is fitted, providing a clamp which holds firmly and securely.

The wood handle grip has been changed to a rich mahogany finish.



MEAT AND FOOD CHOPPERS, PEANUT MILLS, ETC.

FOOD CHOPPERS.



ENTERPRISE, Tinned Iron, with Clamp, Phosphor Bronze Bearing.

No. 501—Cylinder 1¾x3 in., height 5 in., furnished with 4 cutters, coarse, medium, fine and nut butter, w't per doz. 54 lbs. .....per dozen **AJHJ** $15.00

No. 602—Cylinder 1¾x3½ in., height 5 in., furnished with 4 cutters, coarse, medium, fine and nut butter, chops 2 lbs. per minute, w't per doz. 66 lbs., per dozen .....**ABJJ** $18.00

No. 703—Cylinder 2x4 in., height 7 in., furnished with 4 cutters, coarse, medium, fine and nut butter, chops 4¾ lbs. per minute, w't per doz. 90 lbs.. per dozen .....**AHFJ** $27.00

NOS. 501 AND 602, ONE DOZEN; NO. 703, ONE-HALF DOZEN IN A CASE.

MEAT CHOPPERS.



ENTERPRISE, Tinned Iron, with Screw Clamp.

No. 5—Cylinder 1⅞x4 in., height 6 in., chops 1½ lbs. per minute, w't per doz. 55½ lbs. .....per dozen **AGFJ** $21.00

No. 10—Cylinder 2⅞x6 in., height 7½ in., chops 3 lbs. per minute, w't per doz. 96 lbs. ....per dozen **BEAJ** $30.00

ONE-HALF DOZEN IN A CASE.



Tinned Iron, with Legs to Screw.

No. 12—Cylinder 2½x6 in., height 6½ in., chops 3 lbs. per minute, w't per doz. 108 lbs. .....per dozen **BBDE** $27.00

No. 22—Cylinder 3x7½ in., height 7 in., chops 4 lbs. per minute, w't per doz. 156 lbs. .....per dozen **DJJJ** $48.00

No. 32—Cylinder 3½x9 in., height 7½ in., chops 5 lbs. per minute, w't per doz. 246 lbs. .....per dozen **EJAJ** $60.00

ONE-HALF DOZEN IN A CASE.

UNIVERSAL FOOD CHOPPERS.



All Parts Tinned and Interchangeable.

No. 0—Cylinder 1½x2½ in., height 5 in., coarse, medium and fine cutters and nut butter grinder, w't per doz. 6 lbs., per dozen .....**JHAE** $21.60

No. 1—Cylinder 2x3 in., height 5½ in., coarse, medium and fine cutters and nut butter grinder, w't per doz. 60 lbs., per dozen .....**AADJ** $34.00

No. 2—Cylinder 2x3 in., height 6 in., coarse, medium and fine cutters and nut butter grinder, w't per doz. 68 lbs., per dozen .....**ACHJ** $27.00

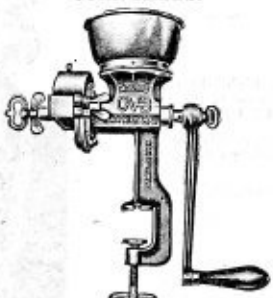
No. 3—Cylinder 2½x4 in., height 7¼ in., with 4 cutters, very coarse to very fine, w't per doz. 116 lbs., per dozen .....**AHIJ** $36.00

Stuffing attachment may be used with Nos. 2 and 3.

Chops all kinds of meat, fruit and vegetables, coarse or fine as desired, into clean cut, uniform pieces.

ONE-HALF DOZEN IN A CASE.

MOLINO PARA NIXTAMAL OR PEANUT AND CORN MILLS.



No. 101—Heavily coated with pure tin throughout, especially hardened grinders, which fit smoothly together and grind evenly, diam. of hopper 5¼ in., height over all 15 in., diam. of cutting face 3⅛ in., w't per doz. 160 lbs...per dozen **CIFJ** $60.00

No. 201—Extra large hopper, capacity 135 cu. in., ½ gal., otherwise same as No. 101, w't per doz. 175 lbs. .....per dozen **DCBJ** $66.00

Although this mill is designed especially to meet requirements of ordinary corn wet, it is unsurpassed for grinding all sorts of grain, wet or dry. Makes the best of corn meal, buckwheat flour, entire wheat flour, and graham flour, it also grinds wet and oily substances such as nuts, etc., for making peanut butter it is unequalled. It cracks corn for poultry to perfection; it makes bread crumbs and cracker dust for breading oysters, chops, etc., it is used in some localities for grinding poppy seeds.

FRUIT AND LARD PRESSES.

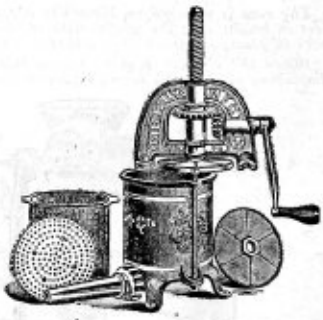


Cast Iron, Japanned and Striped.

Nos.	025	030	035
Quarts	4	6	8
Diam. cylinder, in..	6½	7½	8½
Height cylinder, in.	7	8	9
W't, lbs.	40	50	62
Each	$5.50	6.25	7.00
	DAE	**DGJ**	**ECJ**

Single swinging arch, removable cylinder and perforated tin strainer, two removable iron plunger plates, one perforated iron strainer plate, 6 in. nickel plated brass stuffer tube. The large solid plunger plate is used in sausage stuffing and the perforated and small plunger plates in pressing lard or fruit. All parts are carefully fitted and interchangeable.

ONE IN A CASE.



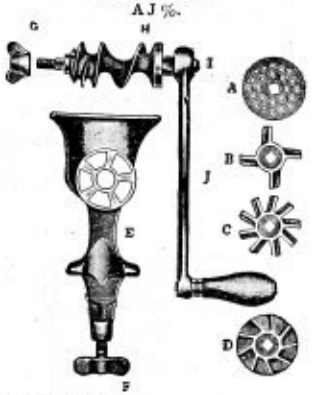
Nos.	25	31	35
Quarts	4	6	8
Diam. cylinder, in..	6½	8	8½
Height cylinder, in.	7	7	9
W't, lbs.	45	57	62
Each	$5.50	6.25	7.00
	DFJ	**EBJ**	**EHE**

There are two plunger plates. The small plunger is used in connection with the perforated cylinder and perforated plate in pressing lard or fruit. The large plunger plate is used in stuffing sausage. All parts are interchangeable.

CHOPPER REPAIRS AND STUFFER ATTACHMENTS.

REPAIRS FOR FOOD CHOPPERS.

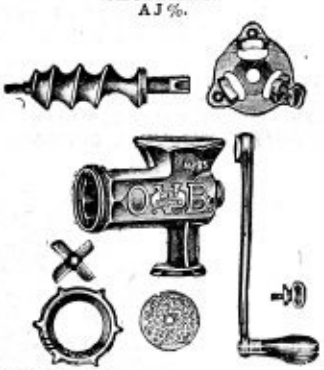
AJ%.



For Choppers Nos.	7	70	700	7000
	Each.			
A Perforated cutter	$0.20	.20	.20	.25
B Coarse knife	.20	.20	.20	.25
C Medium knife	.20	.20	.20	.25
D Nut butter knife	.30	.30	.30	.30
E Body	.75	1.00	1.00	1.25
F Clamp screw	.15	.15	.15	.20
G Thumb nut	.10	.10	.10	.10
H Feed screw	.40	.50	.50	.60★
I Thumb screw	.10	.10	.10	.10
J Crank	.25	.25	.25	.30

REPAIRS FOR MEAT CHOPPERS.

AJ%.



For Choppers Nos.	8	83	80	85
	Each.			
Body or cylinder	$1.00	1.00	1.50	1.25
Feed screw or worm	.35	.35	.55	.55
Knife	.15	.15	.18	.18
Plate 1/8 in. hole	.20	.20	.35	.35
Plate 1/4, 3/8, 3/4 in. holes	.20★	.20★	.35	.35
Plate 1/2 in. hole	.40★	.40★	.50★	.50★

CONTINUED ON SECOND COLUMN.

REPAIRS FOR MEAT CHOPPERS.

AJ%.

For Choppers Nos.	8	83	80	85
	Each.			
Plate 5-64 in. hole	.60★	.60★	.75★	.75★
Ring	.18★	.18★	.25	.25
Crank	.18★	.18★	.20	.20
Thumb screw	.10	.10	.10	.10
Clamp	.20★		.20★	
Stud	.15★	.15★	.20★	.15★
Base plate		.50★		.40
Base plate thumb screw		.10★		.10★
For Choppers Nos.	850	855	870	875
	Each.			
Body or cylinder	$2.00	2.00	3.00	3.00
Feed screw or worm	1.00★	1.00★	1.50★	1.50★
Knife	.25	.25	.40	.40
Plate 1/8 in. hole	.50	.50	.65	.65
Plate 1/4, 3/8, 3/4 in. holes	.50	.50	.65★	.65★
Plate 1/2 in. hole	.65★	.65★	1.30★	1.30★
Plate 5-64 in. hole	1.00★	1.00★	2.00★	2.00★
Ring	.50★	.50★	.65★	.65★
Crank	.35★	.35★	.50★	.50★
Thumb screw	.10	.10	.20	.20
Stud	.20★	.20★	.30★	.30★
Base plate	.50★	1.75★	.75★	2.00★
Base plate thumb screw	.10★	.10★	.10★	.10★
Large gear		1.25★		1.25★
Small gear		.60★		.60★

REPAIRS FOR ENTERPRISE MEAT CHOPPERS.

D%.

For Choppers Nos.	5	10	12
	Each.		
Cylinder	$1.00	1.50	1.25
Feed screw	.35★	.55★	.55★
Knife	.15	.18	.18
Plate 1/8, 1/4, 3/8 in. hole	.20★	.35	.35
Plate 1/2 in. hole	.40★	.50★	.50★
Plate 5-64 in.	.60★	.75★	.75★
Ring	.18★	.25	.25
Crank	.18★	.20	.20
Thumb screw	.10	.15	.15
Cross bar and washer	.10	.20	
Clamp screw	.20	.20	
Stud	.15★	.20★	.20★
For Choppers Nos.	22	32	42
	Each		
Cylinder	$2.00	3.00	8.50★
Feed screws	1.00★	1.50★	5.00★
Knife	.25	.40	.50★
Knife for fat, tool steel			2.00★
Plate 3-16 in. hole	.50	.65	3.00★
Plate 1/4, 5-16, 3/8 in. hole	.50	.65★	3.00★
Plate 1/2 in. hole	.65★	1.30★	3.60★
Plate 5-64 in. hole	1.00★	2.00★	7.50★
Ring	.50★	.65★	2.00★
Crank	.35★	.50★	.85★
Thumb screw	.15	.30★	.30★
Stud	.25★	.30★	.75★
Fly wheel and handle	3.25	4.65	7.00★

REPAIRS FOR UNIVERSAL FOOD CHOPPERS.

AJ%.

For Choppers Nos.	0	1 & 2	3
Cranks	each $0.20	.25	.30★
Thumb nuts	each .10	.10	.10
Coarse cutters	each .15	.15	.25
Medium cutters	each .15	.15	.25
Pulverizers	.15	.15	.25

★FOR FACTORY SHIPMENT ONLY.

REPAIRS FOR REVOLVING LARD PRESSES.

AJ%.

Nos.	025	030	035
	Each.		
Iron cylinders	$1.50★	1.75★	2.00
Arch or frame	1.50★	1.75	2.00
Crank cogs	.25	.25	.25
Large plates	.35	.55	.70
Small plates	.35★	.55★	.70
Tin cylinders	.75	1.00	1.00
Cranks	.30	.30	.30
Strainer plates	.30★	.45★	.60★
Spouts	.30	.30	.30
Spout holders	.15	.15	.15

REPAIRS FOR ENTERPRISE LARD PRESSES.

AJ%.

Nos.	25	35
	Each.	
Iron cylinder	$2.00★	3.00★
Plunger plate, large	.35★	.70★
Plunger plate, small	.35	.70
Tin cylinder	.75	1.00
Crank	.40★	.40★
Small cog with shaft	.50★	.50★
Large cog with shaft	.50★	.50★
Cast strainer plate	.30★	.60★
Spout	.40	.40
Spout holder	.20	.20

STUFFER ATTACHMENTS.

For Enterprise Meat Choppers, Spun Brass, Nickel Plated.

Nos.	5	10	12
W't per doz., lbs.	1¼	1½	1½
Per dozen	$5.50	6.00	6.00
	DFJ	EJJ	EJJ
Nos.	22	32	
W't per doz., lbs.	2	2½	
Per dozen	$7.50	8.75	
	FBE	HDJ	

ONE DOZEN IN A BOX.



Spun Brass, Nickel Plated.

For Choppers Nos.	8	80	83	85
W't, doz., lbs.	2½	4	2½	4
Per dozen	$5.65	6.00	5.65	6.00
	DEJ	DHJ	DEJ	DHJ
For Choppers Nos.	850	855	870	875
W't, doz., lbs.	4½	4½	5	5
Per dozen	$7.50	7.50	8.75	8.75
	FJJ	FJJ	GJJ	GJJ

By means of these attachments a meat chopper may be converted into an excellent stuffer. When so used, the plate and knife are taken out and the attachment secured by screwing the ring over it. The diameter of the end is ¾ in.

ONE IN A PASTEBOARD BOX.



Spun Brass, Nickel Plated.

No. 700 —For No. 700 food chopper, w't per doz. 1½ lbs., per dozen ..... CJJ $4.00

No. 7000 —For No. 7000 food chopper, w't per doz. 1¾ lbs., per dozen ..... CCJ $5.00

ONE IN A PASTEBOARD BOX.

Universal.

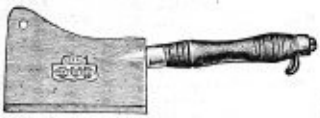
No. 2—For No. 2 food choppers, w't per doz. 1½ lbs., per doz. CCJ $4.00

No. 3—For No. 3 food choppers, w't per doz. 1¾ lbs., per doz. CFJ $5.00

ONE IN A PASTEBOARD BOX.

CLEAVERS, MEAT HOOKS AND BLOCK PINS.

BUTCHERS' CLEAVERS.



Solid Forged Steel, One-Piece Blade and Tang, Bolted Through the Handle, Polished Blade, Select Hickory Handle, Cherry Stained, Scored and Flattened at Sides, Patent Hook End, to Prevent Slipping from Hand, Heavy Steel Ferrule.

Nos.	07	08	09
Cut, in.	7	8	9
Length over all, in.	15	17	19
W't, doz., lbs.	35	39	49
Per dozen	$26.40	28.80	32.00
	AEHE	AGCJ	AIBJ

ONE-HALF DOZEN IN A BOX.



MARICOPA, Forged Steel Blade, Polished, Riveted Hardwood Scored Handle.

No. 20—Inches	6	7	8
W't, doz., lbs.	20	22	25
Per dozen	$11.00	12.00	13.00
	JFFJ	JGBJ	JGHJ

ONE-HALF DOZEN IN A BOX.

MEAT HOOKS.



Wrought Iron, Tinned, for Bar.

No. 22—$\frac{7}{16}$ in., for 2 in. bar, w't per gro. 84 lbs. ...per gross **JIFJ** $16.00

No. 24—$\frac{1}{2}$ in., for 2 in. bar, w't per gro. 39 lbs. ...per gross **JFEJ** $10.80

ONE DOZEN IN A BOX.



Wrought Iron, Tinned, to Screw.

No. 4—¾ in., medium, w't per gro. 10 lbs. .....per gross **BCE** $3.95

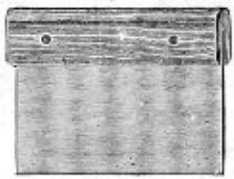
ONE-HALF GROSS IN A BOX.

BUTCHERS' BLOCK SCRAPERS.



No. 315—Handle 16 in. long, heavy malleable japanned socket, 5 in. cast steel blade, w't per doz. 19½ lbs., per dozen .....**FFJ** $7.00

PACKED LOOSE.



No. 316—Hardwood handle, 4x6 in. oil-tempered steel blade, w't per doz. 10 lbs.....per dozen **ADE** $2.40

ONE DOZEN IN A BOX.

BUTCHERS' BLOCK PINS.



No. 4—16 in., wrought steel, tinned, w't per doz. 5¼ lbs., per dozen .....**CIJ** $6.50

ONE-HALF DOZEN IN A PACKAGE.

A COMPLETE LINE OF THE BEST SELLING AND MOST PRACTICAL BUTCHERS' SUPPLIES WILL BE FOUND ON THE FOLLOWING PAGES, GREENLAND REFRIGERATORS AND ICE CHESTS, PAGES 706 AND 707; MEAT CHOPPERS, PAGE 924A; LARD PRESSES, PAGE 925; BUTCHER KNIVES, PAGES 1661 TO 1663; SKINNING, STICKING, BONING AND RIPPING KNIVES, PAGE 1662, HOUSEHOLD CLEAVERS, PAGE 1660B; BUTCHERS' STEELS, PAGE 1661.

STUFFERS, JUICERS, PRESSES, CUTTERS AND SLICERS.

RAILROAD SAUSAGE STUFFERS.



Japanned Iron Base, Tin Cylinder.

No. 5—3½x8 in. cylinder, family size, w't per doz. 130 lbs., per dozen .....**ABFJ** $15.00

ONE-HALF DOZEN IN A CASE.

PERRY'S SAUSAGE STUFFER.



Cast Iron Japanned, Tin Spout.

No. 1—Diam. of cylinder 3½ in., handle 22 in., w't per doz. 122 lbs., per dozen .....**AJEJ** $15.00

No. 0—Diam. of cylinder 4½ in., handle 25 in., w't per doz. 190 lbs., per dozen .....**AEJJ** $21.00

ONE-HALF DOZEN IN A CASE.

BEEF TEA PRESSES.



No. 43—Nickel plated frame, 3x2½ in., tin cylinder, open bottom, for extracting juice from meat, w't per doz. 13 lbs.....per dozen **CJJ** $6.00

THREE DOZEN IN A CASE.

MEAT JUICERS.



No. 10—Japanned frame, tinned cup and plunger, cup 3¼x1½ in., strong and effective, w't per doz. 70 lbs., per dozen .....**AJHJ** $20.00

ONE IN A BOX; ONE DOZEN IN A CASE.

VEGETABLE AND FRUIT PRESSES.



Enterprise.

No. 21—Tinned, length 9 in., height 12 in., w't 7 lbs., per doz. **BFDJ** $3.00

This machine is adapted for the extraction of juice from meat. The machine being tinned, no metalic or inky flavor will be imparted to the material used. The dryness of refuse can be regulated by a thumb screw at the outlet.

ONE-HALF DOZEN IN A BOX.



No. 34—Enterprise, tinned, length 12½ in., height 13½ in., w't per doz. 224 lbs. .....per dozen **DJHJ** $42.00

This machine extracts juice and ejects the skins and seeds in one operation. The dryness of the pulp or refuse can be regulated by the thumb screw at the outlet.

ONE-HALF DOZEN IN A CASE.



No. 55—Japanned steel frame, w't per doz. 9 lbs. .....per dozen **AEJ** $5.00

No. 57—Tinned steel frame, genuine Henis, w't per doz. 9 lbs., per dozen .....**BAE** $7.00

THREE DOZEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

VEGETABLE AND FRUIT PRESSES.



No. 65—Japanned malleable iron frame, 12 in., perforated tin cylinder 3½x3¼ in., w't per doz. 17 lbs., per dozen .....**BAJ** $6.00

SIX DOZEN IN A BARREL.

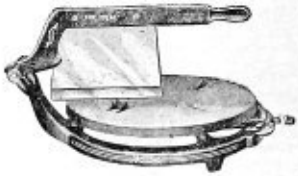


Cup is made of a single piece of sheet steel, perforated and heavily tinned. The superiority of this cup over the pieced and soldered cup is apparent.

No. 1—Universal, japanned steel frame, seamless perforated tin cylinder 3½x3¼ in., w't per doz. 17½ lbs., per dozen .....**BGJ** $7.50

ONE DOZEN IN A CASE.

IDEAL CHEESE CUTTERS.



No. 10-D—Cast iron enamel frame, nickel trimmings, heavy steel blade well tinned to prevent rusting, blade 9¼ in., wood table 16 in., w't 57 lbs., each★ .....**JIIJ** $15.00

No intricate scale to figure out. The dealer knows the total cost of his cheese; he adds the amount of profit, sets the computing lever on the total selling price and tightens the thumb screw on the left of the scale. Each full stroke of the operating lever moves the cheese so that a five cent piece may be cut off, two full strokes ten cents worth, etc.

ONE IN A CASE.

PARERS AND STONERS.

APPLE PARERS.



No. 80—White Mountain, apple parer, corer and slicer, with push-off, lacquered, height 4 in., w't per doz. 25 lbs. .....per dozen **FJJ** $7.00

This machine pares and slices at the same time or can be used to pare only.

ONE DOZEN IN A CASE.



No. 98—Goodell's, turn table, apple parer with automatic push-off, lacquered, height 8 in., w't per doz. 45 lbs. .....per dozen **GHJ** $9.00

The above parer is superior to all others for household use where paring only is desired.

ONE DOZEN IN A CASE.



No. 78—Reading, apple parer, upright, with covered works, lacquered, height 8½ in., w't per doz. 70 lbs., per dozen .....**JGBJ** $10.00

The oldest and best known apple parer made. The mechanism is arranged so that the juice and peelings fall below the parer, not on it.

ONE DOZEN IN A CASE.

APPLE PARERS.



No. 90—Goodell's Bay State, family, apple parer, corer and slicer, with automatic core push-off ,lacquered, height 5¼ in., w't per doz. 60 lbs., per dozen .....**AEJJ** $19.00

ONE-HALF DOZEN IN A CASE.

PEACH AND APPLE PARERS.



No. 65—Scott's peach and apple parer, detachable from stand, with rotary knife, lacquered, height 5½ in., w't per doz. 52 lbs., per dozen **ADDJ** 18.00

The only successful peach parer made.

ONE DOZEN IN A CASE.

CHERRY STONERS.



No. 3—Goodell's, family, lacquered, height 5 in., w't per doz. 18 lbs., per dozen .....**DHJ** $6.50

This machine removes stones from cherries, two at a time, without grinding or mashing the fruit.

ONE DOZEN IN A CASE.

CHERRY STONERS.



No. 1—Enterprise, japanned, height 8 in., w't per doz. 50 lbs., per dozen .....**GGJ** $8.00

No. 2—Enterprise, tinned, otherwise same as No. 1..per dozen **HBE** $9.00

These stoners are recommended to those desiring rapid and effective work.

TWO DOZEN IN A CASE.

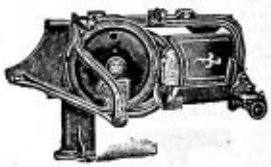


No. 75—Tinned, height 7 in., w't 38 lbs., per dozen .....**JGBJ** $12.00

Adjustable for cherries of any size. Works rapidly, with least possible, cutting and disfiguring of cherries. All parts heavily coated with tin to prevent rust.

ONE-HALF DOZEN IN SHIPPING CARTON.

BREAD SLICERS.



No. 50-B—Sterling, size of cut 5½x5½ in., w't 56 lbs.....each **AIHJ** $20.00

No. 70—Sterling, size of cut 8½x7½ in., w't 90 lbs.....each **BDJJ** $28.00

These slicers are a necessity where slicing of bread, meat, fruit, etc., is done in quantity. The cutting is done by a round tool steel knife of the highest grade, finely ground and tempered, which revolves as the carriage moves across the face of the material to be cut, both of which movements are produced by the rotary motion of the handle. The speed at which the knife travels makes it enter the work easily and cut through quickly any material hard or soft, without squeezing, like a circular saw.

LEMON SQUEEZERS AND JUICERS.

LEMON SQUEEZERS.



No. 6—White maple, hardwood ball, 2 in. cup, length 10 in., w't per doz. 7 lbs.....per dozen **AAE** $1.75
THREE DOZEN IN A CRATE.



No. 9—White maple wood, porcelain ball and bowl, strap iron hinges, length 9½ in., w't per doz. 10 lbs., per dozen .....**AGJ** $3.00
THREE DOZEN IN A CRATE.



No. 5—Boss, malleable iron, tinned, length 8 in., w't per doz. 10 lbs., per dozen .....**JIE** $1.75
ONE-HALF DOZEN IN A BOX.



No. 15—Improved Boss, malleable iron, heavily tinned, ribbed bowl and cone, length 9 in., w't per doz. 12 lbs., per dozen .....**ABJ** $2.25
ONE-HALF DOZEN IN A BOX.



No. 50—Malleable iron, nickel plated, hardwood ball plunger, length 8 in., w't per doz. 12½ lbs., per dozen .....**ABE** $3.00
ONE-HALF DOZEN IN A BOX.

LEMON SQUEEZERS.



No. 100—Japanned iron frame, porcelain bowl resting on rubber ring, hardwood ball plunger, length 8½ in., w't per doz. 18 lbs...per dozen **BCE** $4.00
ONE-HALF DOZEN IN A BOX.



No. 14—Japanned iron frame, large glass cup with ribbed cone, length 10 in., w't per doz. 20 lbs., per dozen .....**BDJ** $5.00

No. 140—Aluminum cup, otherwise same as No. 14, w't per doz. 19 lbs., per dozen .....**BDJ** $5.00

Glass cup is easily removed and can be used separately as a juice extractor.
ONE-HALF DOZEN IN A BOX.

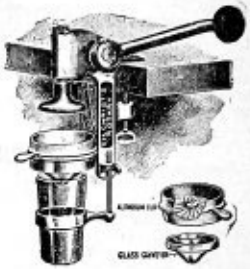


No. 22—Little Giant, malleable iron, tinned, with plate to retain lemon, length 9¼ in., w't per doz. 16 lbs., per dozen .....**DAJ** $8.00
ONE-HALF DOZEN IN A BOX.



No. 10—Drum, japanned malleable iron frame, extra deep porcelain bowl, hardwood combination plunger and strainer, length 9½ in., w't per doz. 25 lbs.....per dozen **CIJ** $8.50
ONE IN A BOX.

LEMON SQUEEZERS.



No. 43—Rotary, nickel plated, highly polished, cast aluminum crusher head and cup, glass juice conveyor, adjustable glass support, w't per doz. 103 lbs. .....per dozen **DAJE** $68.40
ONE IN A BOX.

LEMON JUICERS.



No. 3—Glass, saucer pattern, diameter 4½ in., w't per doz. 7 lbs., per dozen .....**EJ** $0.80
Extracts all juice and separates seeds and pulp, is of exceptional value and a leader at 5 cents each.
ONE DOZEN IN A BOX.

LEMON JUICERS.



No. 1. No. 2.

No. 1—Clear glass, ribbed cone, strainer base, for use on tumbler, w't per doz. 4 lbs.....per dozen **JDJ** $1.00
No. 2—Clear glass, ribbed cone, deep saucer, w't per doz. 10 lbs., per dozen .....**JHE** $2.00
NO. 1, ONE-THIRD DOZEN; NO. 2, ONE-HALF DOZEN IN A BOX.

LIME SQUEEZERS.



No. 16—Solid cast aluminum, highly polished, the strainer is cast solid with one of the jaws, length 7 in., opening of jaw 2¼ in., w't per doz. 10 lbs. .....per dozen **ACBJ** $22.50
This is a very high grade squeezer.
ONE IN A BOX.

ICE PICKS, CHISELS, CHIPPERS AND SHAVERS.

ICE PICKS.



No. 73—6 in. needle point tempered tool steel, hard maple handle with nickel plated iron cap, length 9½ in., w't per doz. 4 lbs.....per dozen **JIE** $1.60

ONE DOZEN IN A BOX.



No. 2—Tempered tool steel, nickel plated 4¼ in. evenly tapered needle point, imitation coconolo handle, length 8¼ in., w't per doz. 1¼ lbs., per dozen .....**JIJ** $2.00

ONE-HALF DOZEN IN A BOX.



No. 18—Tempered steel point, japanned iron sliding handle, length closed 8¾ in., w't per doz. 7 lbs., per dozen .....**AAE** $3.00

ONE-HALF DOZEN IN A BOX.



REVONOC

6 in. REVONOC—Tempered steel nickel plated needle point, finely drawn, rubbed maple file handle, length 10½ in., w't per doz. 2 lbs., per dozen .....**ABJ** $3.00

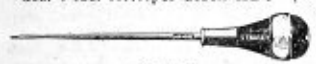
4½ in. REVONOC—Point, otherwise same as above, w't per doz. 1¼ lbs., per dozen .....**ABJ** $3.00

Though plain in appearance, this is an extra fine pick, and is intended for expert icemen's use. The sharpness and high temper of point makes this pick the icemen's pet.

ONE DOZEN IN A BOX.



No. 6½ REVONOC—Tempered steel, finely drawn point 5¼ in. large flat sided maple handle, length 10¾ in., w't per doz. 4 lbs. .....per dozen **ABJ** $2.00



No. 700.

No. 7—Hurwood, polished tempered steel needle point running through handle, riveted and headed, 3 in. drawn point, ebonized handle, diam. 1¼ in., polished steel ferrule, length 9¾ in., w't per doz. 1½ lbs., per dozen .....**AHJ** $4.00

No. 70—Hurwood, 4½ in. drawn point, ebonized handle, diam. 1½ in., otherwise same as No. 7, w't per doz. 2½ lbs. .....per dozen **BDJ** $4.50

No. 700—Hurwood, 4½ in. drawn point, ebonized handle, diam. 1½ in., ⅝ in. nickel plated octagon steel ring, forced and riveted on handle, otherwise same as No. 7, w't per doz. 3½ lbs.....per dozen **BIJ** $5.50

The ring serves as an ice breaker and also prevents pick from rolling.

ONE DOZEN IN A BOX.

ICE PICKS.



No. 1 REVONOC—Fine tool steel, entire length forged and gradually tapering to needle point with proper temper to spring without bending, heavy blued steel ferrule, large hardwood ebonized handle, pick 6 in., entire length 10½ in., w't per doz. 6 lbs., per dozen .....**BDJ** $5.50

The smooth gradual taper of this pick gives it a penetrating power unequaled by any other pick on the market.

ONE DOZEN IN A BOX.



No. 80—Tempered tool steel, nickel plated needle point 5¾ in., tapered 1½ in. hardwood handle, heavy tinned cap, length 9½ in., w't per doz. 9 lbs., per dozen .....**ABE** $3.50

ONE DOZEN IN A BOX.



No. 200—Tempered tool steel, needle point 5 in., rubberoid handle, length 8¾ in., w't per doz. 3 lbs., per dozen .....**JGJ** $1.25

ONE DOZEN IN A BOX.

ICE CHISELS.



No. 25—Cast steel polished blade, cast iron handle, black japanned, length 7½ in., w't per doz. 8½ lbs., per dozen .....**JIE** $1.75

ONE DOZEN IN A BOX.



No. 100—Polished steel blade, natural finish hardwood handle, nickel plated cast iron cap, length 8½ in., w't per doz. 7 lbs.....per dozen **JHE** $1.75

ONE DOZEN IN A BOX.



No. 50—Nickel plated steel blade, fancy hardwood handle, nickel plated, malleable iron cap, length 10 in., w't per doz. 6½ lbs.....per dozen **AAJ** $2.75

ONE DOZEN IN A BOX.

ICE CHISELS.



No. 75—Polished tool steel blade, teeth ground to knife-like edges, length over all 10½ in., w't per doz. 10 lbs., per dozen .....**BAE** $4.40

ONE DOZEN IN A BOX.



No. 14—6 in. blade, 9 in. handle, w't per doz. 12 lbs., per doz. **DEJ** $9.50

No. 19—9 in. blade, 10 in. handle, w't per doz. 16 lbs., per dozen .....**JFFJ** $12.50

No. 22—10 in. blade, 12 in. handle, w't per doz. 20 lbs., per dozen .....**JGHJ** $15.50

The blade is made of tool steel fully tempered and polished; the teeth are properly shaped and ground to a knife-like edge, elegantly finished hardwood handle.

ONE-QUARTER DOZEN IN A BOX.



No. 600—Heavy forged steel blade, 8x 4¼ in., half polished, teeth properly shaped and ground to a knife edge, hardwood handle with malleable D, length 42 in., w't per doz. 42 lbs., per dozen .....**AJAJ** $20.00

ONE-HALF DOZEN IN A BUNDLE.

ICE CHIPPERS.



No. 44 REVONOC—Six finely drawn ice pick needle points driven into solid composition metal head, hardwood handle, length 9½ in., w't per doz. 6 lbs. .....per dozen **BDJ** $4.00



No. 66—Tinned cast head, four tool steel teeth, sharpened and tempered, hardwood handle, held to head by large bolt, which runs through handle, length 10 in., w't per doz. 14 lbs., per dozen .....**DBJ** $7.50

ONE DOZEN IN A BOX.

ICE SHAVES.

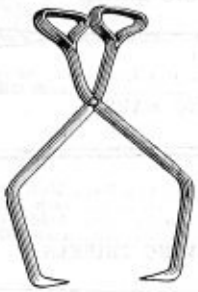


No. 3—Tinned iron, adjustable tool steel knife, which is removable for sharpening, length 6½ in., w't per doz. 23 lbs. .....per dozen **BIJ** $6.50

ONE-HALF DOZEN IN A BOX.

ICE TONGS AND ICE MACHINES.

ICE TONGS.



No. 160—Family, 1½ in., oval steel, points well sharpened, span 12 in., w't per doz. 15 lbs., per dozen **ADJ** $2.30



No. 4—Family, steel points, self-adjusting, span 12 in., w't per doz. 16 lbs., per dozen .....**BDJ** $4.00

No. 6—Solid steel, malleable grips, self-adjusting, span 16 in., w't per doz. 24 lbs. .....per dozen **DAJ** $6.80



CINCINNATI CHAIN, File Steel, Concave Grips.

No. 12—Span 12 in., w't per doz. 21 lbs., per dozen .....**JFGJ** $11.20

No. 14—Span 14 in., w't per doz. 24 lbs., per dozen .....**JGHJ** $13.00

Having the correct curve, these tongs will hold securely at any span. The rivet is extra large and made of steel. Very easy working, will stand hard usage and especially adopted for handling large quantities of ice.

ICE TONGS.



No. 00—Solid steel forged, duck bill points, span 12 in., w't per doz. 28 lbs., per dozen .....**CGJ** $6.10



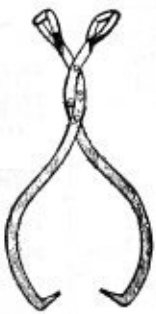
Solid Steel, Forged, Swelled Grips, Duck Bill Points, Painted Red.

No. 1—Span 15 in., w't per doz. 45 lbs., per dozen .....**JHBJ** $13.70

No. 2—Span 17 in., w't per doz. 54 lbs., per dozen .....**JICJ** $15.50

No. 3—Span 24 in., w't per doz. 72 lbs., per dozen .....**AAAJ** $18.50

These tongs are extra wide at the hinge and will stand very hard usage.



No. 24—Solid forged steel, double jointed self-adjusting, duck bill points, steel handles, wood grips, 24 in. span, w't per doz. 50 lbs., per dozen .....**JGIJ** $13.20

Made heavy for hard use. Extensively used for handling wood logs in ice harvesting.

★*FOR FACTORY SHIPMENT ONLY.*

ICE CUTTING MACHINES.



CHANDLER'S Improved.

No. 1—**Counter size,** height 10 in., w't 7½ lbs.....each **CDJ** $6.35

No. 2—**Family size,** height 15 in., w't 14 lbs. .....each **EAJ** $9.50

No. 2½—**Hotel size,** height 18 in., w't 25 lbs.★ .....each **JGHJ** $14.50

No. 1, small, compact, simple, strong and cheap, cuts the ice into small diamond-shaped pieces with ease and rapidity. Can be attached to table, counter or shelf; floor space 8 sq. in.

No. 2½ stands 18 in. high, occupying a space 8x11 in., will take a piece of ice weighing 12 lbs.

No. 2½, designed for hotels and confectioners, hospitals and other institutions where crushed ice is used in quantities for table, ice cream and other purposes.

ICE BREAKING MACHINES.



LITTLE GIANT, Hopper 8½x12 in., Height 46 in., Floor Space 24x24 in., Capacity 150 to 300 Lbs. Per Minute, W't 270 Lbs.

No. 5—Hand power★ each **CFJJ** $66.75

No. 5-P—For power, with tight and loose pulleys, diameter 2½ in., face 2½ in., tight pulley has handle so that it can also be operated by hand, each★ .....**DJCJ** $75.00

When ordering state whether fine or coarse cut is desired.

ICE TOOLS.

ICE AXES.



Chicago Pattern.

No. 144-T ⊕¼⊕—Blades 2¼x6 in., size over all 12 in., forged from tool steel, enameled bright red with polished bit and pick, 26 in. hickory handle, w't per doz. 45 lbs., per dozen .....AAEJ $16.00

ONE-HALF DOZEN IN A CRATE.

ADZES.



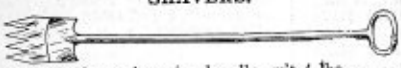
No. 471T—Toothed edge, width of blade 6¾ in., handled, w't 5 lbs. .....each DDJ $8.00

SUMMER BARS.



No. 460T—W't 17 lbs. .....each JEDJ $10.00

SHAVERS.

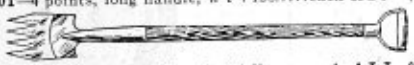


No. 649CT—4 points, ring pipe handle, w't 4 lbs., each .....ADJ $2.50

No. 649ET—5 points, knob pipe handle, w't 5½ lbs., each .....BBJ 4.00



No. 650T—4 points, long handle, w't 4 lbs.....each AIJ $3.50



No. 652T—4 points, D handle, w't 4½ lbs.....each AIJ $3.50

SPLITTING FORKS.

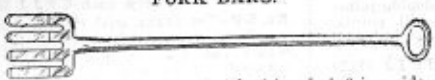


No. 443T.

No. 440T—Knob handle, length 4 ft. 9 in., tines—outside—14 in. long, w't 17½ lbs. .....each DHJ $8.50

No. 443T—Ring handle, length 4 ft. 10½ in., tines—outside—14 in. long, w't 18 lbs. .....each EJJ $9.00

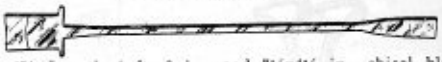
FORK BARS.



No. 448T—Knob handle, length 4 ft. 6 in., fork 8 in. wide, w't 15½ lbs. .....each DHJ $8.50

No. 449T—Ring handle, length 4 ft. 7½ in., fork 8 in. wide, w't 16 lbs. .....each EJJ $9.00

BREAKING BARS.



No. 454—Length 4 ft. 8 in., pad 7½x4¾ in., chisel blade 2¾ in. wide, w't 16½ lbs. .....each CHJ $7.00

CALKING BARS.



No. 457T—Hollow handle, length 4 ft. 3 in., blade 14x4¾ in., diam. 1 in., w't 8 lbs. .....each BGJ $5.00

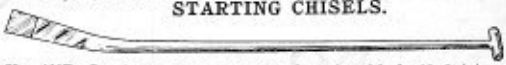
No. 457½T—Wood handle, length 4 ft. 3 in., blade 14x4¾ in., diam. 1½ in., w't 5 lbs. .....each BGJ $5.00

BAR OR PACKING CHISELS.



No. 458T—Steel handles, length 4 ft. 7 in., blade 12x4¾ in., w't 15½ lbs. .....each CHJ $7.00

STARTING CHISELS.



No. 466T—Omaha pattern, length 4 ft. 7 in., blade 10x2¾ in., w't 14½ lbs. .....each CHJ $7.00

PATENT FLOOR SHAVERS.



No. 470T—5 teeth, length 4 ft. 10 in., blade 6 in. wide, w't 6 lbs. .....each CJJ $5.50

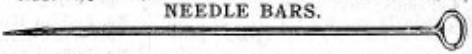
SPLITTING CHISELS.



No. 476T—Ring handle, steeled blade, length 4 ft. 6 in., blade 10½x3 in., w't 14 lbs. .....each BGJ $5.00

No. 477T—Ring handle, all tool steel blade, length 4 ft. 6 in., blade 10½x3 in., w't 14 lbs. .....each CJJ $5.50

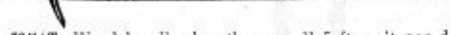
NEEDLE BARS.



No. 484T—Canal, ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 11 lbs. .....each BBJ $4.00

No. 484½T—Field, ring handle, bar 1 in. steel, length 4 ft. 10½ in., w't 15 lbs. .....each BEJ $4.50

ICING HOOKS.



No. 524½T—Wood handle, length over all 5 ft., w't per doz. 63 lbs. .....per dozen BIAE $54.00

No. 524¾T—Wood handle, length over all 5½ ft., w't per doz. 67 lbs. .....per dozen BIAE $54.00

These hooks are also furnished with pipe handle.

ICE HOOKS.



No. 520-4½T—Length 4½ ft., w't per doz. 37 lbs., per dozen .....AJCJ $19.00

No. 520-5T—Length 5 ft., w't per doz. 40 lbs., per dozen .....AAJJ 20.00

No. 520-8T—Length 8 ft., w't per doz. 60 lbs., per dozen .....ACJJ 24.00

Furnished in lengths from 3 to 18 feet inclusive.

CAR HOOKS.

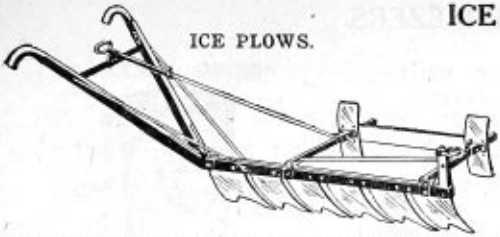


No. 522T—Length 4 ft., w't per doz. 45 lbs., per dozen .....ACJJ $24.00

No. 523T—Length 4½ ft., w't per doz. 48 lbs., per dozen .....ACDJ 24.50

ICE TOOLS.

ICE PLOWS.



DAIRYMEN'S "ICE KING" PLOW Five Solid Steel Teeth, Not Polished But Left Blue, Non-Adjustable 22 Inch Swing Guide and Clearing Tooth, W't with Case 115 Lbs.

No. 315T— 8in. .....each **CJJJ** $50.00
No. 316T—10 in. .....each **CFJJ** 60.00
No. 317T—12 in. .....each **DBJJ** 70.00

Five Solid Steel Teeth, Not Polished But Left Blue, with Patent Adjustable Swing Guide and Clearing Tooth, W't with Case 120 Lbs.

No. 320T—8 in., 14 to 22 in. swing guide....each **CCFJ** $56.00
No. 321T—10 in., 14 to 22 in. swing guide....each **CIFJ** 66.00
No. 322T—12 in., swing guide made to order only, each .....**DEFJ** 76.00

For customers who always cut the same sized square cake, we recommend the Nos. 315T, 316T and 317T styles, as non-adjustable guides are naturally firmer.

ICE SAWS.



Teeth Extra Long, with Large Bevel, Wrought Iron, Reversible Handle.

No. 420T—4 ft., w't 13½ lbs. with case .....each **JEDJ** $10.00
No. 421T—4½ ft., w't 15 lbs. with case .....each **JEGE** 10.50
No. 422T—5 ft., w't 16½ lbs. with case .....each **JEFJ** 11.00
No. 423T—5½ ft., w't 18 lbs. with case .....each **JFJJ** 11.50

If wanted without case, deduct fifty cents.

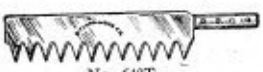


Hand Saw, Oval Handles, Made of the Best Malleable Iron, W't 4½ Lbs.

No. 642T—30 in. .....each **ADE** $2.50
No. 642½T—36 in. .....each **AFJ** 2.80

The 30 inch Hand Saw is the usual ice wagon length, and when no length is specified in order, we will send that size.

CLEAVER AND CHIPPER.



No. 648T.



No. 636T.

No. 648T—Cleaver, 12 teeth, length of blade 20 in., end of blade sharpened for scraping, w't per doz. 36 lbs., per dozen .....**CBDJ** $60.00
No. 636T—Chipper, malleable iron handle, blade 6x3 in., w't per doz. 9 lbs. .....per dozen **JHGJ** $16.00

TONGS.



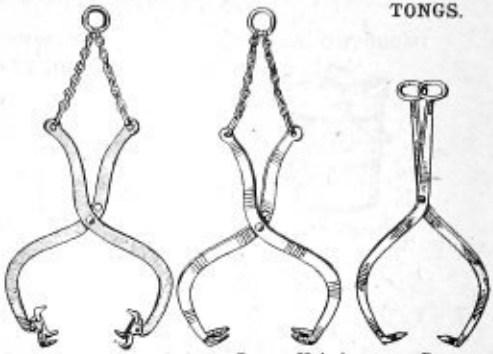
Boston.



Eastern Edging-up.

No. 540T—16½—Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, 16½ in., w't per doz. 46 lbs. .....per dozen **AEAJ** $28.00
No. 540T—24—Boston, 24 in., w't per doz. 62 lbs., otherwise same as No. 540T—16½ in.....per dozen **AGCJ** $32.00
No. 561T—Eastern Edging-up, solid handles, 26 in., painted red, w't per doz. 48 lbs.....per dozen **AGCJ** $32.00
No. 561½T—Eastern Edging-up, hollow handles, 26 in., painted red, w't per doz. 48 lbs. .....per dozen **AIDE** $36.00

TONGS.



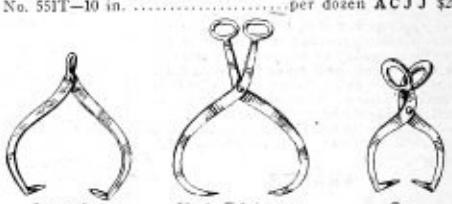
Adjustable Claw Hoisting. Boston Hoisting. Drag.

No. 584T—Adjustable Claw Hoisting, 30 in., forged from steel, skeleton shaped, w't per doz. 318 lbs., per dozen .....**JFDHJ** $120.00
No. 586T—Boston Hoisting Tongs, solid claw, 30 in., w't per doz. 288 lbs. .....per dozen **JFDHJ** $120.00
No. 565T—Drag, solid handles, measure 12 in. between rivet and under side of ring, color red, points ⅜ in. wide, w't per doz. 96 lbs. .....per dozen **BBHJ** $42.00
No. 565½T—Drag, extra heavy, w't 10 lbs., otherwise same as No. 565T .....per dozen **BDJJ** $44.00



Boston. Cincinnati Chain. Patent Link.

No. 540T—13 in., Boston, solid, drop forged, steel swell handles and bows, best tool steel, wide, thin points, w't per doz. 34 lbs., ...per dozen **ADAE** $26.00
No. 540T—14½ in., w't per doz. 39 lbs., otherwise same as No. 540T—13 in. .....per dozen **ADFJ** $27.00
No. 550T—10 in., Cincinnati Chain, thin points, color black, w't per doz. 20 lbs. .....per dozen **ABJJ** $22.00
No. 550T—12 in., w't per doz. 21 lbs., otherwise same as No. 550T—10 in. .....per dozen **ABFJ** $23.00
No. 550T—15 in., w't per doz. 24 lbs., otherwise same as No. 550T—10 in. .....per dozen **ACJJ** $24.00
No. 551T—10 in., Patent Link, thin points, w't per doz. 28 lbs., per dozen .....**ABJJ** $22.00
No. 551T—12 in., w't per doz. 28 lbs., otherwise same as No. 551T—10 in. .....per dozen **ABFJ** $23.00
No. 551T—15 in., w't per doz. 30 lbs., otherwise same as No. 551T—10 in. .....per dozen **ACJJ** $24.00



Lowering. Utah Edging-up. Car.

No. 570T—Lowering, single point, color red, point ⅜ in. wide, 24 in. span, w't per doz. 66 lbs. .....per dozen **BEIJ** $48.00
No. 571T—Lowering, 17 in. span, otherwise same as No. 570T, per dozen .....**BEIJ** $48.00
No. 562T—Utah Edging-up, 19 in., color red, narrow points, solid handles, w't per doz. 48 lbs. ...per dozen **AGCJ** $32.00
No. 563T—Utah Edging-up, 19 in., hollow handles, otherwise same as No. 562T .....per dozen **AIEJ** $36.00
No. 544T—10 in., Car, made of best tool steel throughout, hollow handle, w't per doz. 31½ lbs...per dozen **AIJJ** $35.00
No. 544T—12 in., Car, otherwise same as No. 544T—10 in., per dozen .....**AIEJ** $36.00

ICE CREAM FREEZERS.

IMPROVED ARCTIC.



Single Motion.

Quarts	1	2	3
W't, lbs.	5	10	12
Each	$2.20	2.60	3.00
	ACJ	AEE	AHJ
Quarts	4	6	8
W't, lbs.	13	18	22
Each	$3.60	4.60	5.90
	BAE	BGE	CEE
Quarts	10	12	15
W't, lbs.	24	42	47
Each	$7.60	9.00	10.40
	DEE	EDJ	JFBE

WHITE MOUNTAIN.



Triple Motion.

Quarts	Toy 1 pt.	1	2	
W't, lbs.	2½	6	13	
Each	$2.00	2.50	3.20	
	ABJ	AEJ	AIJ	
Quarts		3	4	6
W't, lbs.		14	16	23
Each		$3.80	4.40	5.60
		BCJ	BFE	CCE
Quarts		8	10	12
W't, lbs.		27	29	48
Each		$7.20	9.30	11.70
		DCJ	EFJ	JGJJ
Quarts	15	20	25	
W't, lbs.	54	61	81	
Each	$14.00	18.00	23.20	
	JHDJ	AJHJ	ACIJ	

A strong waterproof tub, bound with heavy galvanized iron hoops; the gearing is completely covered; cans made of the very best quality of tin plate; beaters of malleable iron and tinned; all castings attached to tub, nicely galvanized to prevent rusting. Can moves in one direction, outside beater in opposite direction and the inside beater moving in a direction opposite that of the outside beater.

CRANKS.



For White Mountain and Arctic.

For sizes,				
Quarts	1	2&3	4&6	8&10
Per dozen	$1.68	2.64	3.36	3.36
	AFH	BFD	CCF	CCF

FLY WHEELS FOR WHITE MOUNTAIN FREEZERS.



Size freezer, quart	4	6	8	10
Each	$1.20	1.80	2.00	2.80
	JGJ	AAJ	ABJ	AGJ

Size Freezer, quart	12	15	20	25
Each	$4.40	4.40	5.20	6.40
	BFE	BFE	CAJ	CHE

SAMSON POWER.



Samson, Power, Triple Motion.

Quarts	25	40
W't, lbs.	292	432
Each	$90.00	121.50
	EBBJ	JFIIJ

The platform and stand are of cast iron. The gear frame extends across the top of the tub, and is fastened by a latch bolt and thumb screw. When the frame is released it can be raised to an upright position, and is there held firmly. The can and tub may be removed and replaced at pleasure, while the frame is in this position.

The beaters are malleable iron and tinned, with single self-adjusting wood scraping bar. The tubs are exceedingly heavy and durable. The cans are of the heaviest tin plate. The pulleys on the 25 qt. are 10x4, and on the 40 qt. 16x5. The freezer should be operated at a speed of about seventy-five revolutions per minute.

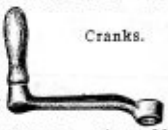
REVONOC FREEZERS.



Steel-Frame, White Cedar Pail, Patented Table Clamp Fitted to Bottom of Each Freezer.

Quarts	1	2	3	4
W't, lbs.	6	10	11	16
Each	$1.70	2.00	2.35	2.85
	ACE	AEE	AHE	BBE
Quarts	6	8	10	12
W't, lbs.	19	27	29	45
Each	$3.60	4.60	6.00	7.00
	BHJ	CFJ	DGE	EEJ

Cranks.



For sizes, Quarts	1	2&3	4&6
Per dozen	$2.64	2.64	3.36
	BFD	BFD	CCF
For sizes, Quarts		8&10	12
Per dozen		$3.36	8.64
		CCF	HFD

PAILS are made of the celebrated everlasting Virginia White Cedar, which resists the action of brine, and will outlast several of the old style pine pails. These are bound with heavy galvanized wire hoops, which are sunk into grooves preventing them from falling down.

FRAME—The frames, locks and catches are made of non-breakable, stamped steel, will withstand the hardest usage and are much more serviceable than the old style cast-iron frames and locks. They cannot break, are rust proof, and present a very handsome appearance.

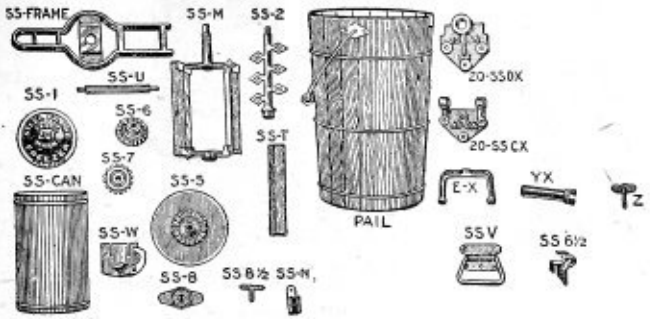
CANS—Are of the long narrow model, which present a maximum surface to the ice, insuring rapid freezing—a very strong feature of the REVONOC.

TABLE CLAMPS—One of the newest and strongest features about the REVONOC is the patented table clamp, a small device fitted to the bottom of each freezer, which enables the operator to clamp the freezer securely to a table or bench, preventing the usual slipping or wabbling motion so troublesome to the housewife. This little device, which is included in the regular price of the REVONOC is a gem in itself and will be greatly appreciated by all users.

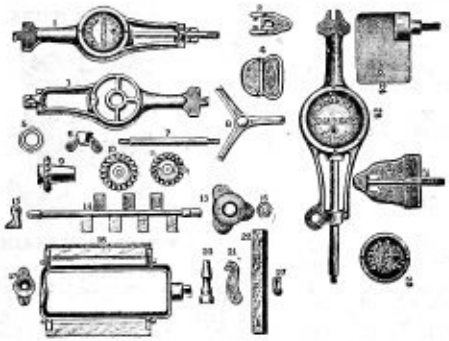
MECHANISM—The mechanism of the REVONOC gives the freezer two distinct motions—the can turning from left to right while the dasher turns from right to left, and the wood scrapers on the dasher removing the cream from the sides of the can as fast as it is frozen. The centrifugal motion of the dasher throws the cream from the center of the can back to the side, which is revolving in the opposite direction, where the scrapers remove it instantly and return the cream to the center, repeating the operation, the result being a smooth, well-beaten, velvety cream.

ICE CREAM FREEZER REPAIRS.

REVONOC REPAIRS.



WHITE MOUNTAIN REPAIRS.



REVONOC Freezer Family. ★

LIST OF REPAIR PARTS AND PRICES.

Use only this Revised Price-List.

Symbols.	Name of Parts.	Sizes in Quarts. 1	2	3	4	6	8	10	12	16	20
SS-Frame only	Gear frame without gears.	.30	.35	.40	.65	.75	.85	.90	1.35	1.45	1.75
SS-Frame Complete.	Gear frame with gears complete	.75	.85	.90	.95	1.60	1.70	1.75	2.80	2.95	3.35
SS-1	Dome	.20	.20	.20	.25	.30	.35	.40	.45	.50	.60
SS-2	Inner Beater	.10	.12	.15	.18	.22	.28	.35	.55	.60	.70
SS-5	Can Top	.26	.26	.30	.36	.40	.50	.60	.72	.80	.90
SS-6	Top Gear	.14	.14	.14	.14	.23	.23	.23	.50	.50	.50
SS-6½	Hasp Yoke	.16	.16	.16	.20	.20	.25	.25	.35	.35	.....
SS-7	Side Gear	.14	.14	.14	.14	.22	.22	.22	.36	.36	.36
SS-8	Bottom Rest	.08	.08	.08	.08	.08	.08	.08	.14	.14	.14
SS-8½	Can Stop	.06	.06	.06	.06	.06	.06	.06	.06	.06	.....
SS-M	Outer Beater	.20	.20	.25	.30	.42	.50	.60	.75	.80	.90
SS-N	Scraper Hasps	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06
SS-T	Wood Scraper	.08	.08	.08	.08	.08	.08	.08	.14	.14	.18
SS-U	Shaft	.10	.10	.10	.14	.22	.22	.22	.36	.36	.50
SS-V	Side Handle and Clip	.....	.....	.....	.....	.....	.22	.22	.28	.28	.28
SS-W	Thumb Jack and Plate	.....	.08	.08	.08	.08	.15	.15	.20	.20	.....
SS-Can	Can	.40	.60	.66	.78	1.06	1.30	1.64	2.08	2.62	4.04
SS-2 Double	Beater	.10	.12	.15	.18	.22	.28	.35	.55	.60	.70
SS-4 Single	Beater	.10	.12	.15	.18	.22	.28	.35	.55	.60	.70
Pail	(only)	.46	.70	.86	1.02	1.12	1.37	1.93	2.17	2.63	3.15
Fly Wheel	(complete)	.....	.....	.....	.....	.....	1.00	1.65	2.25	2.95	3.50
20-SS D X	Shaft Bearing	.....	.....	.....	.....	.....	.....	.....	.....	.....	.60
20-SS C X	Hinge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.40
20-SS E X	Yoke	.....	.....	.....	.....	.....	.....	.....	.....	.....	.30
20-SS Y X	Short Shaft	.....	.....	.....	.....	.....	.....	.....	.....	.....	.35
20-SS Z	Thumb Screw	.....	.....	.....	.....	.....	.....	.....	.....	.....	.20

WHITE MOUNTAIN.

No.—Quarts	1	2	3	4	6	8	10	12	16	20	25
1 Gear frame with gears—1 to 10 qts.....each	$0.50★	.85★	.90★	.95★	1.60★	1.70★	1.75★				
2 Small ear.....each	.10★	.16★	.16★	.16★	.20★	.20★	.20★				
3 Gear frame without gears—1 to 10 qts....each	.20★	.35★	.40★	.45★	.75★	.85★	.90★				
4 Tub handle.....each							.22★	.28★	.28★	.28★	.28★
5 Ring for cover of can.....each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★	.14★	.20★
6 Thumb Nut.....each								.10★	.10★	.10★	.10★
7 Shaft.....each	.08★	.10★	.10★	.14★	.22★	.22★	.22★	.36★	.36★	.44★	.64★
8 Can socket.....each	.08★	.10★	.14★	.14★	.14★	.22★	.22★	.28★	.28★	.28★	.50★
9 Shank gear.....each	.08★	.22★	.22★	.22★	.44★	.44★	.44★	.72★	.72★	.72★	.94★
10 Top gear.....each	.08★	.14★	.14★	.14★	.28★	.28★	.28★	.50★	.50★	.50★	.80★
11 Screw gear.....each	.08★	.14★	.14★	.14★	.22★	.22★	.22★	.36★	.36★	.36★	.44★
13 Catch.....each	.06★	.08★	.08★	.08★	.08★	.08★	.08★				
14 Inside beater.....each	.10★	.12★	.15★	.18★	.22★	.28★	.35★	.55★	.60★	.70★	1.00★
15 Large center.....each								.14★	.14★	.14★	.14★
16 Shaft nut.....each								.08★	.08★	.08★	.08★
17 Small center.....each	.06★	.08★	.08★	.08★	.08★	.08★	.08★				
18 Outside beater.....each	.14★	.20★	.25★	.30★	.42★	.50★	.60★	.75★	.80★	1.05★	1.30★
20 Spindle.....each	.06★	.08★	.08★	.08★	.22★	.22★	.22★	.28★	.28★	.28★	.44★
21 Small latch.....each	.06★	.08★	.08★	.08★	.08★	.08★	.08★				
22 Wood scraper.....each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★	.14★	.22★
24 Large ear.....each								.72★	.72★	.72★	.72★
25 Large latch.....each								.44★	.44★	.44★	.44★
26 Gear cap.....each	.06★	.14★	.14★	.14★	.28★	.28★	.28★	.44★	.44★	.44★	.50★
27 Wood scraper holder.....each	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★
28 Gear frame with wears—12 to 25 qts....each								2.80★	2.95★	3.10★	4.00★
Gear frame without gears—12 to 25 qts..each								1.35★	1.45★	1.50★	1.90★

★FOR FACTORY SHIPMENT ONLY.

MINIMUM CHARGE ON ANY INVOICE FOR REPAIRS ONLY WILL BE 15 CENTS.

ICE CREAM FREEZER PARTS, PACKING TUBS AND CANS.

Entire Page Net List.

FREEZER CANS.



WHITE MOUNTAIN, Complete with Cover.

Quarts	1	2	3
Each	$0.50★	.76★	.86★
Quarts	4	6	8
Each	$1.04	1.36	1.70
Quarts	10	12	15
Each	$2.14	2.70	3.30
Quarts	20	25	40
Each	$4.00	5.36	12.60

Covers. Only.

Quarts	1	2	3
Each	$0.20★	.26★	.30★
Quarts	4	6	8
Each	$0.36★	.40★	.50★
Quarts	10	12	15
Each	$0.60★	.72★	.88★
Quarts	20	25	40
Each	$1.00★	1.38★	2.60★

Freezer cans complete with cover will be shipped on all orders unless otherwise specified.



ARCTIC—No Cover.

Quarts	1	2	3
Each	$0.30★	.50★	.56
Quarts	4	6	8
Each	$0.68	.96	1.20
Quarts	10	12	15
Each	$1.54★	1.98★	2.42★

Unless otherwise specified, Arctic freezer cans will be shipped without cover. For prices on can covers, see parts for Arctic Freezers.

PACKING CANS.



Complete with Cover.

Quarts	1	2	3
Each	$0.50	.72	.80
Quarts	4	6	8
Each	$0.94	1.08	1.24
Quarts	10	12	15
Each	$1.50	2.00	2.50
Quarts	20	25	40
Each	$2.96	3.80	9.36

Covers. Only.

Quarts	1	2	3
Each	$0.20	.24	.28
Quarts	4	6	8
Each	$0.32	.36	.44
Quarts	10	12	15
Each	$0.54	.70	.80
Quarts	20	25	40
Each	$0.90	1.20	2.40

For packing and carrying out cream.

PACKING TUBS.



Quarts	1	2	3
Each	$0.50	.72	.86
Quarts	4	6	8
Each	$1.00	1.08	1.30
Quarts	10	12	15
Each	$1.58	2.16	2.66
Quarts	20	25	40
Each	$3.38	4.18	11.72

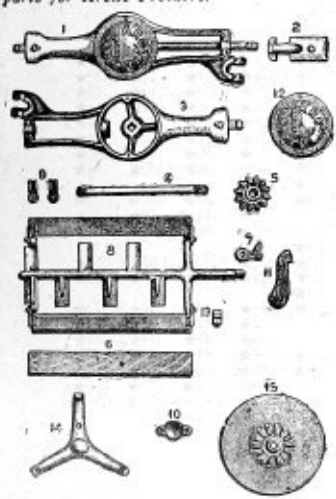
For packing and carrying out cream.

FREEZER TUBS.



WHITE MOUNTAIN.

Quarts	1	2	3
Each	$0.52★	.80★	.96★
Quarts	4	6	8
Each	$1.16★	1.26★	1.56★
Quarts	10	12	15
Each	$2.20★	2.48★	2.88★
Quarts	20	25	40
Each	$3.60★	4.50★	12.60★



ARCTIC PARTS.

No.—Quarts	1	2	3	4	6	8	10	12	15
1 Gear frame with gears ...each	$0.32★	.45★	.50★	.55★	.70★	.80★	.85★	1.70★	2.00★
2 Ear ...each	.08★	.10★	.10★	.10★	.14★	.14★	.14★	.24★	.30★
3 Gear frame without gears ...each	.20★	.28★	.32★	.38★	.50★	.55★	.60★	1.10★	1.20★
4 Shaft ...each	.08★	.14★	.14★	.14★	.22★	.22★	.22★	.36★	.36★
5 Screw gear ...each	.08★	.10★	.10★	.10★	.14★	.14★	.14★	.36★	.36★
6 Wood scraper, each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★
7 Catch. ...each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★
8 Beater complete, with woods, each	.10★	.15★	.20★	.25★	.30★	.35★	.40★	.75★	.80★
9 Wood scraper holder ...each	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★
10 Center ...each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★
11 Latch ...each	.06★	.08★	.08★	.08★	.08★	.08★	.08★	.14★	.14★
12 Gear cap ...each	.08★	.14★	.14★	.14★	.16★	.16★	.16★	.28★	.28★
13 Can stop ...each	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★	.06★
14 Can socket ...each	.06★	.08★	.10★	.12★	.14★	.14★	.16★	.20★	.30★
15 Can cover ...each	.20★	.26★	.30★	.36★	.40★	.50★	.60★	.72★	.88★

★*FOR FACTORY SHIPMENT ONLY.*

MINIMUM CHARGE FOR REPAIRS $0.15. *POSTAGE EXTRA.*

WATER COOLERS.



Japanned, Assorted Colors, Nickel Plated Brass Push Button Faucet, Galvanized Reservoir.

Nos.	202	203	204
Capacity, gal.	2	3	4
Height, in.	17¼	19½	22
Diam. of base, in.	10¾	11½	12¾
W't, lbs.	9	10	13
Each	$2.00	2.50	2.90
	ABJ	AEJ	AGJ

Nos.	206	208	210
Capacity, gal.	6	8	10
Height, in.	24½	28	29½
Diam. of base, in.	14¼	16	17¼
W't, lbs.	18	50	55
Each	$3.50	4.80	5.50
	BAJ	BHJ	CDJ

ONE IN A CASE.



Fancy Japanned, Assorted Colors, Nickel Plated Self-Closing C. & H. Push Button Faucet, Galvanized Reservoir, Heavy Cast Side Handles.

Nos.	103	104	106
Capacity, gal.	3	4	6
Height, in.	19½	22	24½
Diam. of base, in.	11½	12¾	14¼
W't, lbs.	11	14	16
Each	$3.30	4.00	4.70
	BJJ	BDJ	BHJ

Nos.	108	110	115
Capacity, gal.	8	10	15
Height, in.	28	29½	32½
Diam. of base, in.	16	17½	20½
W't, lbs.	57	60	80
Each	$6.00	7.00	9.00
	CFJ	DBJ	EDJ

The above coolers have a perfect finish, the walls are thick and well filled and in consequence they are economical in the use of ice.

ONE IN A CASE.



Fancy Japanned, Assorted Colors, Cast Iron Porcelain Lined Reservoir, Thick Charcoal Filled Walls, Nickel Plated Self-Closing Telegraph Faucets.

Nos.	4030	4040	4050
Capacity, gal.	3	4	5
Height, in.	21½	24	25½
Diam. base, in.	11½	13½	15
W't, lbs.	40	50	70
Each	$8.00	10.50	12.40
	DHJ	JFCJ	JGDE

Nos.	4060	4080	4100
Capacity, gal.	6	8	10
Height, in.	25½	30½	32
Diam. base, in.	15½	16½	17½
W't, lbs.	80	90	110
Each	$14.00	18.00	22.00
	JHDJ	AJHJ	ACBJ

ONE IN A CASE.



Fancy Japanned, Assorted Colors, Cast Iron Porcelain Lined Water Reservoir, Porcelain Lined Ice Cylinder, Thick Charcoal Filled Walls, Nickel Plated Self-Closing Telegraph Faucets.

Nos.	507	508	510
Capacity, gal.	4	5	6
Height, in.	30½	32	34
Diam. base, in.	16	16½	17½
W't, lbs.	105	110	140
Each	$20.00★	24.00★	29.00★
	ABJJ	ADDJ	AGDJ

Nos.	512	514
Capacity, gal.	8	10
Height, in.	34	36
Diam. of base, in.	19¼	20
W't, lbs.	160	180
Each	$40.00	46.00
	BDJJ	BGFJ

ONE IN A CASE.



Plain Mahogany Finish.

Nos.	604	605	608
Capacity, gal.	3	4	6
Height, in.	12½	16	17½
Diam. of base, in.	9¼	9¾	11¾
W't, lbs.	9	11	15
Each	$2.25	2.50	3.00
	AEJ	AFE	ABI

Nos.	610	615
Capacity, gal.	7	11
Height, in.	16	26
Diam. of base, in.	13½	13¾
W't, lbs.	18	23
Each	$3.80	5.30
	BCJ	CBJ

These coolers are made of indurated fibre, moulded in one piece without hoops or bands. Indurated fibre is a non-conductor of heat, and therefore these coolers are very economical in ice consumption. It is tasteless and odorless, and very easily cleaned, as there are no joints or cracks to collect impurities.

ONE IN A CASE.



Glazed Stoneware, Nickel Plated Faucet.

Nos.	702	703	704	705
Capacity, gal.	2	3	4	5
Height, in.	11	12	13½	14½
Dia. base, in.	8	9¼	9	10½
W't, lbs.	19	24	27	30
Each	$1.70	2.00	2.24	2.50
	AJJ	ABJ	ACE	AEJ

Nos.	706	708	7010	7012
Capacity, gal.	6	8	10	12
Height, in.	15	16	18	20
Dia. base, in.	11½	11½	12½	14
W't, lbs.	36	42	52	64
Each	$3.00	4.00	4.60	6.00
	AHJ	BDJ	BGE	CFJ

These coolers are sanitary and are as easily cleaned as a china plate.

ONE IN A CRATE.

WATER COOLERS, STANDS AND BOTTLES.

WATER COOLERS.



All Wood U. C. Patented.
Quarter Sawed White Oak, Finished in Beautiful Golden Oak with Galvanized Steel Hoops.

Nos.	901	902	903
W't, lbs.	14	30	21
Each	$6.00★ CFJ	7.20★ DCJ	8.40★ EJE
Nos.	**905**	**910**	**915**
W't, lbs.	35	60	80
Each	$10.80★ JFEJ	16.80★ AJAJ	18.00★ AJHJ
Nos.	**920**	**925**	**930**
W't, lbs.	100	115	125
Each	$21.60★ ABIE	24.00★ ADDJ	26.20★ AEHE

The construction is double, in fact, a barrel within a barrel, with a dead air chamber between all inner and outer walls. Large lever faucet.
F. O. B. St. Louis, Mo.
ONE IN A CASE.

XX CENTURY WATER COOLERS.



No. 570.

No. 570—Cooler with stand and drip bucket, for 5 gal. bottle, packed complete in a crate without bottle, w't 30 lbs. .....each **JIFJ** $46.00
No. 100—Cooler with stand and drip bucket, for 1 or 2 gal. bottle, having an outside diameter of not less than 4¾ in., packed complete in a crate without bottle, w't 20 lbs., each .....**BAJ** $9.50
Artistic folding stand, with glass ball feet, fibre waste bucket and nickeled glass rest.

WATER COOLERS.



No. 157.

No. 157—Cooler with base, copper plated, with glass ball feet, for use on table or counter, for 5 gal. bottle, packed complete in case without bottle, w't 20 lbs. .....**JHDJ** $14.00
No. 57—Cooler with indurated fibre tray, to set on a table or counter, for 5 gal. bottle, packed complete in a crate without bottle, w't 18 lbs., each .....**JGCJ** $12.20
No. 10—Cooler with indurated fibre tray, to set on a table or counter, for 1 or 2 gal. bottle, having an outside diameter of not less than 4½ in., packed complete in a crate without bottle, w't 12 lbs. ..each **JFJJ** $10.00
The body of these coolers is made of indurated fibre and will not warp, crack or swell. Mahogany finished. Glazed porcelain jar, bulged to give cooling surface. As sanitary as a china plate. Improved push faucet silver plated inside. Will fill 2 oz. glass in three seconds.

Extra Porcelain Jars.

No. 1570—For Nos. 157, 570, 57, w't 4¼ lbs. .....each **AEJ** $3.00



No. 1—Useeit, for 5 gallon bottle, ice capacity 20 lbs., height over all 58 in., occupies 21 in. of floor space, walls thoroughly insulated with non-conductor of heat, heavy galvanized iron finished in white enamel, nickel plated self-closing faucet, automatic drain for ice meltage, tempered steel stand finished in oxidized copper, double cross brace makes stand very rigid, galvanized drip pail, painted to match stand, packed complete in crate, without bottle, w't 45 lbs., each....**AJHJ** $18.00



COOLER BOTTLES.

For Use with Any Standard Bottle Water Cooler.

Glass.

2 gal., w't crtd 132 lbs. dozen **JGBJ** $12.00
3 gal., w't crtd 150 lbs. dozen **JHFE** $16.20
5 gal., w't crtd 192 lbs. dozen **AAEJ** $19.20

COOLER STANDS.



Black Japanned, height 29 in., ⅞ in. tempered steel legs, 1⅜ in. heavy steel stop band, stamped steel top, glass holder with drain tube.

Nos.	121	122	123
Diam. top, in..	14	16½	19½
W't each, lbs..	14	14	15
Each	$3.50 BAJ	4.00 BDJ	5.00 CJJ



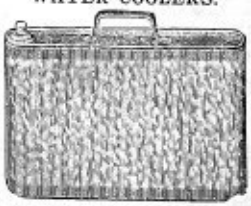
WATER CARRIERS.

Clear Glass Bottle, with Patent Cap, Removable Wood Grip Handle.

No. ½-D—½ gal., w't per doz. 60 lbs., per dozen.. $4.80 **BIJ**
No. 1-D—1 gal., w't per doz. 80 lbs., per dozen ..$6.00 **CFJ**
No. 7-D — Patent Caps for above, per doz. **CJ** $0.50

NO. ½D, THREE DOZEN; NO. 1D, TWO DOZEN IN A CASE.

WATER COOLERS.



No. 72D—Sloan, galvanized, screw top, 10½x13¼ in., height 8¾ in., actual capacity 2 qts., w't each 2 lbs., each .....**CF** $0.60
For use in ice box or refrigerator, for cooling drinking water. Fits in the ice chamber, either along side or on top of the ice.

★FOR FACTORY SHIPMENT ONLY.

WATER FILTERS AND STILLS.

STONEWARE WATER FILTERS.



FULPER, Glazed Gray Stoneware, Filter Disc of Natural Tripoli Block.

Nos.	76	77	78
Cap., top, qts..	5	7	9
Cap., bot., qts.	8	11	15
Filter capacity, per day, gal.	3	4	6
W't crtd., lbs.	23	28	35
Each	$3.85	4.95	6.05
	BAE	BGE	CCE
Nos.		79	710
Cap., top, qts.		13	18
Cap., bottom, qts		20	26
Filter Cap. per day, gal.		9	13
W't, crt'd, lbs.		43	50
Each		$7.70	9.90
		DBE	EDE

The stoneware used in these filters is sanitary and durable and very easily cleaned. Trioli block of which the disc is made is regarded by science as the best filtering material known.

In operation the water percolates through the filter disc in the bottom of the upper receptacle into the lower receptacle. All the impurities collect on the surface of the filter disc (not inside) and can be easily brushed off with a stiff brush which is included with each filter. ONE IN A CRATE.



Cruso, Glazed, Gray Stoneware with Blue Stripe, Natural Tripoli Filter Disc.

Nos.	Size Disc, in.	Cap. Top, qts.	Cap. Bot'm, qts.	Filter cap. per day, gal.	W't crtd., lbs.	Each.	
61	7	5	7	2to 4	25	BJJ	$3.50
62	8¼	9	12	3to 5	30	BBE	4.00
63	9	12	17	4to 8	40	BIJ	4.70
64	10	17	21	6to10	45	CFJ	6.00
66	11	24	30	10to15	55	DEE	8.00

Anything contained in the water is arrested upon the extreme surface of the filter disc, from which it may be removed by brushing.

ONE IN A CRATE.

WATER FILTERS.



The lower jar of No. 15 filter contains a separate ice chamber so that filtered water does not come in contact with the ice, thus insuring a clean drink.

Stoneware.

SUCCESS, Two 4 Gallon Glazed Stoneware Jars, Upper One Fitted with 4 in. Natural Tripoli Stone Filtering Block, Nickel Plated Faucet.

No. 15—With separate stoneware ice chamber, w't 55 lbs., each **CGJ** $7.50

No. 5—Without separate ice chamber, w't 50 lbs. .....each **CDE** $6.90

Extra Filtering Blocks each **AJJ** 2.00



Will hold 11 qts. of water in each compartment, and will filter 8 gals. of water daily.

No. 8—Enameled steel upper and lower vessels, blue enameled outside, white enameled inside, stone filtering disc, nickel plated faucet, capacity 11 qts. each, diameter 11¼ in., height 17½ in., w't 23 lbs. .....each **CFJ** $7.25

ICE CHAMBERS AND COVERS.

For Converting Nos. 61 to 66 Filters into Combination Filters and Coolers.

Nos.	For No..	W't, lbs.	Each.	
061	61	4½	DB	$0.70★
062	62	5	EE	.90
063	63	5½	JFJ	1.00
064	64	8	JFE	1.10
066	66	11	JGJ	1.20

EXTRA PARTS.★

DE%.

For Nos.	Top With Filter Disc. Each.	Bottom Part Each.	Cover Each.	Filter Disc. Each.
76	$2.90	$0.97	$0.39	$1.92
77	3.71	1.24	.50	2.48
78	4.54	1.52	.61	3.03
79	5.78	1.92	.77	3.85
710	7.53	2.48	.99	4.95

★*FOR FACTORY SHIPMENT ONLY.*

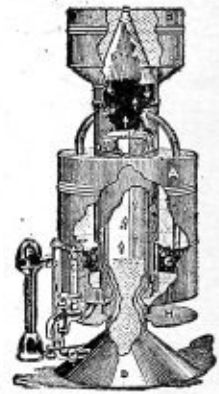
TRIPOLI STONE SYPHON WATER FILTERS.



No. 6—3¼x5½ in., with rubber tube, w't per doz. 21 lbs., per dozen .....**AAJJ** $26.00

When the stone is kept fairly clean, will filter from 15 to 20 gals. per day. Can be used by placing mouthpiece in mouth and drawing water through the stone by suction, or started on the syphon plan, and it will go right along doing its work.

WATER STILLS.



No. 11—Rose Automatic, heavy copper, nickel plated outside, all parts exposed to water are block tin lined, height 25 in., diam. of bottom 10½ in., capacity ½ gal. per hour, each .....**AIHJ** $33.00

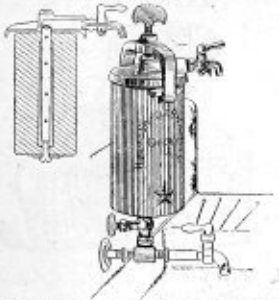
In operation vessels A and B are filled with cold water. Set still on fire, just like an ordinary tea kettle, and in a very short time pure, aerated distilled water will collect in reservoir C. The water feeds automatically from supply reservoir A to boiling chamber D, and when water has reached proper height, it is shut off by automatic valve at F. Gauge E indicates height of water in boiling chamber and gauge G shows distilled water in reservoir C.

NOTE—Deflector H prevents heat from stove or boiling chamber striking distilled water reservoir to drive off oxygen.

ONE IN A BOX. W'T 25 LBS.

FAUCET FILTERS, ATTACHMENTS, ETC.

FILTERS.



No. 96 REVERSIBLE—Germ proof Tripoli filter block 3x5½ in., heavy galvanized iron cylinder, nickel plated brass adjustable tee to fit either ½ or ¾ in. standard fuller bibb, nickel plated valve and filtered water faucet, w't per doz. 150 lbs.,
per dozen .....**EJDJ** $84.00

Natural Tripoli stone of which the filter block in above filter is made is regarded by science as the very best filtering medium known.

The wonderful formation of this stone is such that, while allowing the water to pass freely through the pores, all impurities of every description contained in the water are arrested on the extreme outer surface, from which they can be easily removed, the stone remaining white and pure.

The REVERSIBLE *adjustable tee is threaded so one end fits the thread on the faucet and the other the threads in the faucet wall piece. The filter is connected to the tee and requires no brackets or screws to hold it in position. Does not interfere with porcelain or enameled sink backs. With this arrangement the unfiltered water is drawn off through the regular faucet just as before. Capacity 15 to 30 gallons per hour, depending upon pressure and condition of water.*



The filter block in the Advance water filter is very similar to that used in the REVERSIBLE, *described above. The filtered water is drawn from a small faucet at the top of the filter, and the unfiltered water from the large faucet below.*

No. 94—Advance, Tripoli germ proof filter block 3x5½ in., heavy galvanized cast iron cylinder, diam. 4 in., with polished brass faucets, height over all 12 in., complete with attachment to fit any size smooth faucet, w't per doz. 150 lbs.,
per dozen .....**DGEJ** $79.20

No. 95—Advance, with attachment to fit ¾ in. threaded faucet, otherwise same as No. 94 ....per dozen **DGEJ** $79.20

No. 93—Extra Tripoli Blocks for above filters .....per dozen **ABIE** $24.00

FILTERS.



No. 51. No. 50.

No. 51—Anti-splashers, nickel plated brass with four nickel plated strainers assorted for ¾ in. threaded and ½, ⅝ or ¾ in. plain faucets, w't per doz. 1 lb. .....per dozen **DE** $0.80

No. 51½—Anti-splashers for ½ in. smooth faucets, w't per doz. 1 lb., per dozen .....**DH** $0.80

No. 51⅝—Anti-splashers for ⅝ in. smooth faucets, w't per doz. 1 lb., per dozen .....**DH** $0.80

No. 51¾—Anti-splashers for ¾ in. smooth faucets, w't per doz. 1 lb., per dozen .....**EJ** $0.80

THREE DOZEN IN A BOX WITH EXTRA HANDY DISPLAY CARD.

No. 50—Three in one combination filter, anti-splasher and dish bumper for ¾ in. threaded or ½ or ⅝ in. plain faucets, w't per doz. 1 lb.,
per dozen .....**AJJ** $1.80

ONE DOZEN IN A BOX WITH EXTRA HANDY DISPLAY CARD.



No. 21. No. 22. No. 23.

No. 21—Anti-Splasher, brass, nickel plated, double convex and concave strainers, threaded on one end, delivers a smooth, round stream of water, complete with assorted rubbers, w't per doz. ½ lb., per dozen **JIJ** $1.70

No. 22—Brass, nickel plated, reversible, both ends threaded, filled with charcoal and quartz, complete with assorted rubbers, w't per doz. 1½ lbs., per dozen .....**AHJ** $3.35

No. 23—Sanitary reversible filter, clear glass body, nickel plated ends, filled with charcoal and quartz, complete with assorted rubbers to fit any size faucet, w't per doz. 5 lbs.,
per dozen .....**AAJ** $3.60

ONE DOZEN IN A BOX.

RUBBER FAUCET GUARDS.

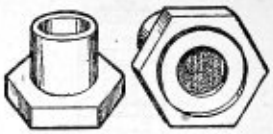


No. 46D—Rubber Faucet Guards, in two sizes, for both hot and cold faucets, per dozen .....**JDJ** $1.50

Saves your china. It consists of a rubber cushion which slips over end of faucet—see cut—and prevents anything in hand from striking the metal of the faucet.

TWO DOZEN ASSORTED ON DISPLAY CARD.
WE DO NOT BREAK CARDS.

FILTERS.



Combination Faucet Cushions and Filters.

No. 47D—High grade, red rubber three fine mesh gauzes, assorted sizes, w't per doz. 1 lb. ...per dozen **JIJ** $1.50

This is a very attractive looking article. Prevents splashing and also dish breaking from hitting faucet.

TWO DOZEN ON A DISPLAY CARD.



No. 48D. Nos. 49½ and 49⅝.

No. 48D—Aqua, brass, nickel plated, cotton filtering material held between two strainer plates, diameter 1¾ in., assorted rubbers to fit any size faucet, w't per doz. 3 lbs.,
per dozen .....**BDJ** $4.00

The Aqua filter is both practical and sanitary. Material is ordinary cotton, which can be bought in any drug or dry goods store, cotton can be renewed in a few seconds without removing filter from faucet.

ONE DOZEN IN A BOX.

No. 49½—Hygeia, glazed white porcelain, fine mesh brass strainers, rubber ring to fit ½ in. smooth faucet, w't per doz. 1 lb., per dozen **EJ** $0.80

No. 49⅝—Hygeia, to fit ⅝ in. smooth faucets, w't per doz. 1 lb., otherwise same as No. 49½, per dozen **EJ** $0.80

A filter and anti-splasher combined.

THREE DOZEN IN A BOX.

FILTERING MATERIAL.

No. 26—Charcoal and quartz in ½ lb. boxes .....per dozen **AJJ** $2.00

FILTER ATTACHMENTS.



No 24

No. 24—Cast brass, standard hose thread, complete with assorted rubbers for all sizes of smooth faucets, w't per doz. 1 lb., per doz. **BGJ** $6.00

This may be used to attach garden hose to any size smooth faucet.

MOUSE AND RAT TRAPS.

WOOD CHOKER.



Mouse, One Piece of Wood, Stained Red, Strong Coppered Steel Springs, Easily Set.

No. 2—Two holes, 2¼x4½ in., w't per doz. 1¼ lbs. .....per dozen **CC** $0.40
No. 3—Three holes, 2¼x6¼ in., w't per doz. 2 lbs. .....per dozen **DH** $0.60
No. 4—Four holes, diam. 4¼ in., w't per doz. 3¼ lbs., per dozen **FB** $0.80
No. 5—Five holes, diam. 5¼ in., w't per doz. 3½ lbs. ....per dozen **JGH** $1.00

TIN CHOKER.



No. 54—Mouse, five holes, diam. 4¼ in., easily set, seamless stamped tin, strong coppered steel springs, w't per doz. 2 lbs. .....per dozen **JGH** $1.25

CATCH-EM-ALIVE MOUSE.



No. 18—Size 5x3½x2½ in., lacquered tin front, wood box stained red, sets automatically, w't per doz. 5½ lbs., per dozen .....**AJH** $2.00

ONE GROSS IN A CASE.

KAT'S PAW.



No. 77—Mouse, 1⅝x3 in., w't per doz. 1½ lbs. .....per dozen **JIF** $2.00

These traps are made entirely of metal, nickel plated to prevent rust. Is so constructed that one cannot catch the fingers in the setting.

ONE DOZEN IN A DISPLAY CARTON.

OFFICIAL.



Hardwood Base, Double Action Trigger, Heavy Spring.

No. 65—Mouse, 1⅞x3⅜ in., w't per doz. 1¾ lbs. .....per dozen **CF** $0.75
No. 66—Rat, 3⅛x8x6 in., w't per doz. 5 lbs. .....per dozen **JIF** $2.00

The trigger is released by either upward or downward pressure. Is used by professional rat catchers.

ONE DOZEN IN A CARTON.

REVONOC.

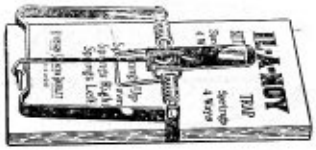


Oil Stained Dark Color, Hardwood Base, Wood Trigger.

REVONOC—Mouse, size 2x3⅜ in., w't per doz. 1¼ lbs. .....per dozen **BD** $0.75
REVONOC—Rat, size 3½x7 in., w't per doz. 6½ lbs. .....per dozen **JIJ** $2.25

MOUSE, ONE DOZEN IN A DISPLAY CARTON; RAT, ONE DOZEN IN A BOX; ONE GROSS IN A CASE.

IL-A-NOY TRAPS.



Hardwood Base, Four-Way Trigger, Tempered Springs.

No. 95—Mouse, 1⅝x3¼ in., w't per doz. 1 lb. .....per dozen **AH** $0.65
No. 96—Rat, 3¼x6¾ in., w't per doz. 4¾ lbs. .....per dozen **JIJ** $3.50

The trigger is so constructed that it springs up, down, to the right or to the left, and is very sensitive, making Il-a-noy Traps effective mouse and rat catchers.

ONE DOZEN IN A CARTON.

CRUSO.



No. 85—Cruso Mouse, hardwood base, tempered coppered steel spring, wood trigger, 2x3¾ in., w't per doz. 1 lb., per dozen .....**AH** $0.60
No. 86—Cruso Rat, 7x3½ in., w't per doz. 5 lbs., otherwise same as No. 85, per dozen .....**JGH** $1.00

ONE DOZEN IN A BOX.

"OUT O' SIGHT."



Hardwood Base, Wood Trigger, Coppered Round Striking Bar, Strong Coppered Steel Spring.

No. 35—Mouse, 3¼x1¾ in., w't per doz. 1½ lbs. .....per dozen **JGB** $1.25
No. 36—Rat, 7x3½ in., w't per doz. 4½ lbs. .....per dozen **AEJ** $2.50

NO. 35, ONE DOZEN CARTONS IN A CARDBOARD DISPLAY BOX; NO. 36, ONE DOZEN IN A BOX.



No. 80—Rat, 6x4x6 in., heavy wood base very strong coppered steel spring, w't per doz. 12 lbs., per dozen **AEJ** $2

ONE DOZEN IN A CRATE.



Mouse Traps retail at $6.00
Basket ..... .75

Total $6.75
Dealer's Profit 3.15

360 Cruso Mouse Traps in a galvanized iron bushel basket, w't 33 lbs., per basket .....**DCJ** $6.75

This basket placed where customers can see it will sell traps to 12 customers where a dealer now sells one.

WHEN ORDERING ENTER—1 BU. CRUSO MOUSE TRAPS.

Cruso Rat, Packed in Basket with Snappy Display Card as Above.

Rat Traps, 2 for 15 cents, retail at..$3.75
Basket ..... .75

Total $4.50
Dealer's profit 1.60

50 Cruso Rat Traps in a galvanized bushel basket, w't 33 lbs., per basket .....**CEJ** $6.00

The best way to combat the competition of racket, bazaar and 5 and 10 cent stores is to get the goods out where customers can see them. This basket placed in a prominent place will sell out the traps quickly.

WHEN ORDERING ENTER—1 BU. CRUSO RAT TRAPS.

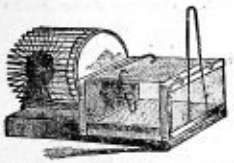
TRAPS.

WIRE.

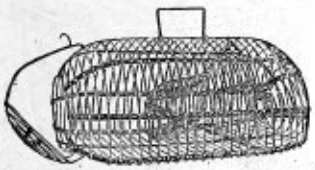


No. 305—Midget, mouse, 5 in. diam., 3 in. high, 19 gauge coppered wire, six sheet steel coppered ribs, lacquered with patent rust proof lacquer, w't per doz. 3 lbs. .....per dozen **J I E** $2.00

ONE DOZEN IN A PACKAGE.



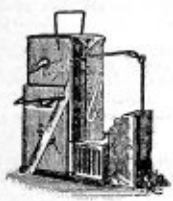
No. 50—Mouse, 6½x3¼ in., wood base, with revolving wheel, w't per doz. 5½ lbs. .....per dozen **A E J** $3.25



No. 315—Coppered iron wire, flat steel ribs, lacquered to prevent rust, self-closing trap door, 15x8½x6½ in., w't per doz. 25 lbs...per dozen **C C J** $5.50

ONE-HALF DOZEN IN A CRATE.

AUTOMATIC.

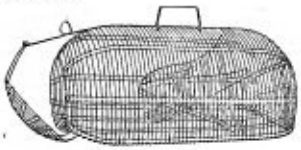


No. 150—Mouse, made of wood, galvanized iron, tin and best galvanized wire netting, height 9½ in., width 3 in., length 8¼ in., w't per doz. 15 lbs., per dozen .....**J G B J** $15.00

The rodent entering the trap causes the door to close and, as there is no escape this way, it runs forward up the wire covered passage to the balanced chute. Once on the chute the animal is by its own weight, thrown into a tank of water, and the movement of the chute automatically opens the door and the trap is reset.

ONE IN A CARTON.

REVONOC COMBINATION WIRE.

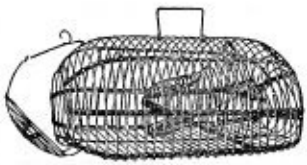


Coppered Iron Wire, Flat Steel Ribs, Patent Flange, Safety Door.

No. 416 REVONOC—16x8½x6¼ in., No. 18 wire, nine flanged steel ribs, w't per doz. 32 lbs.....per dozen **J F C J** $15.00

These traps are designed to catch and hold both rats and mice. Mesh wires are spaced ¼ inch apart, and so locked that they cannot be forced apart. Patent flange around the opening makes it impossible for the rodent to pull down the trap door and escape.

ONE-HALF DOZEN IN A CRATE.



Coppered Iron Wire, Flat Steel Ribs, Lacquered to Prevent Rust, Self-Closing Trap Door.

No .408 REVONOC—Mouse, 9x5x5 in., w't per doz. 6 lbs., per dozen **B D J** $4.00

REVONOC RAT.

No. 415 REVONOC—Rat, 15x8½x6 ½in., w't per doz. 25 lbs., per dozen **C F J** $6.00

No. 422 REVONOC—Rat, 23x13½x7 in., w't per doz. 70 lbs., per doz. **J I F J** $18.00

NO. 408, ONE-HALF DOZEN IN A BUNDLE; NO. 422, TWO IN A BUNDLE; NO. 415, ONE-HALF DOZEN IN A CRATE.



Coppered Iron Wire, Sheet Steel Ribs, Self-Closing Tin Trap Door with Flanged Edge.

No. 417 REVONOC—Rat, 17x5½x7 in., No. 17 wire 9 flanged steel ribs, w't per doz. 34 lbs. .....per dozen **J D H J** $10.80

No. 419 REVONOC—Rat, 19x10½x8 in., No. 16 wire, 13 flanged steel ribs, w't per doz. 41 lbs., per doz. **J F J J** $13.20

The lace wires are rigidly held in place by the heavy flanged sheet steel ribs and the trap is almost indestructible. There is a patent flange around the opening of the trap door, which prevents a rat from pulling it down after getting inside. Each trap is thoroughly lacquered to prevent rust.

ONE-HALF DOZEN IN A CRATE.

GOPHER TRAPS.



No. 162—Cinch, 13¾x4¾ in., all steel, w't per doz. 15 lbs., per doz. **J G H J** $15.00

Scoop for opening holes furnished with each trap.

Made of best materials and will last a life-time. Approved and recommended by U. S. Government Agricultural Agents.

ONE DOZEN IN A CASE.

O. K. GOPHER.



No. 61.

NEWHOUSE GOPHER.



No. 84.

No. 61—6¼x4x3 in., hardwood box, stained red, flat, galvanized trigger, round coppered iron sticking bar, two strong springs, w't per doz. 7 lbs., per dozen .....**A G J** $3.60

ONE GROSS IN A CRATE.

No. 84—All steel, length 5 in., 2¾ in. opening, w't per doz. 3½ lbs., per dozen .....**A B J** $2.50

ONE DOZEN IN A BOX.

2-RING GOPHER.



No. 40—Galvanized wire, non-rusting finish, length 6½ in., w't per doz. 3 lbs. .....per dozen **B A J** $4.00

ONE DOZEN IN A BOX.



MOLE.

No. 16—Reddick, steel frame, six sharp steel tines, very strong, heavily tinned to prevent rusting, japanned steel spring, w't per doz. 38 lbs., per dozen ....**J F I J** $12.00

This is a sure, sensitive and effective trap.

ONE-HALF DOZEN IN A CRATE.

TRAPS.

GAME TRAPS.



Steel With Chain.

No. 100—Rat, single spring, 3½ in. jaw, w't per doz. 6 lbs., per dozen .....**AAE** $4.25

No. 101—Muskrat, single spring, 4 in. jaw, w't per doz. 8 lbs., per dozen .....**ACE** $5.00

No. 101½—Mink, single spring, 4⅜ in. jaw, w't per doz. 11½ lbs., per dozen .....**BJE** $7.50

No. 102—Fox, double spring, 4⅞ in. jaw, w't per doz. 14 lbs., per dozen .....**JBHE** $10.50

No. 103—Otter, double spring, 5½ in. jaw, w't per doz. 23 lbs., per dozen .....**JCHJ** $14.00

No. 104—Beaver, double spring, 6½ in. jaw, w't per doz. 27 lbs., per dozen .....**JDDE** $16.50

Traps are of superior quality. The springs are made from spring steel, carefully tempered. When opened the Traps lie very flat so that they can be easily secreted in the runways of animals. The chain is strong, well made and will stand the severest test.

NO. 100 THIRTY-FIVE, NO. 101 TWENTY-FIVE, NO. 101½ TWENTY, NO 102 TWELVE, NO. 103 EIGHT, AND NO. 104 FIVE DOZEN IN A BARREL.



No. 1.

All Steel, with Chain.

No. 200—Rat or Gopher, single spring, w't per doz. 6½ lbs., per dozen .....**ADE** $4.25

No. 201—Muskrat, single spring, w't per doz. 8 lbs., per dozen .....**AGJ** $5.00

No. 201½—Mink, single spring, w't per dozen 10 lbs., per dozen .....**BEE** $7.50

Traps of this pattern are popular with trappers because they are light weight, yet strong. They are easily transported and a greater number can be taken to the trapping grounds. Easily secreted in the narrow runways of animals because so compact in form.

traps are strongly made, carefully inspected and guaranteed.

TWELVE DOZEN IN A CASE.

TRAP CLAMPS.



No. 5—For setting No. 5, w't per doz. 10½ lbs. .....per dozen **CDJ** $6.00

No. 6—For setting No. 6, w't per doz. 24 lbs. .....per dozen **JEGJ** $10.00

NEWHOUSE, WITH CHAIN.



No. 2.

No. 0—Rat, 3½ in., single spring, w't per doz. 7¼ lbs., per doz. **BDJ** $4.25

No. 1—Muskrat, 4 in., single spring, w't per doz. 10 lbs., per doz. **BHE** $5.00

No. 1½—Mink, 4⅝ in., single spring, w't per doz. 15 lbs., per doz. **DBE** $7.50

No. 2—Fox, 4⅝ in., double spring, w't per doz. 18 lbs., per doz. **JFJJ** $10.50

No. 2½—Otter, 5½ in., single spring, w't per doz. 26 lbs., per doz. **JIDJ** $16.50

No. 3—Otter, 5⅝ in., double spring, w't per doz. 28 lbs., per doz. **JHJJ** $14.00

No. 4—Beaver, 6⅜ in., double spring, w't per doz. 38 lbs., per doz. **JIDJ** $16.50

No. 5—Bear, 11¾ in., double spring with teeth, w't per doz. 234 lbs., per dozen .....**JFHDJ** $120.00

No. 6—Grizzly Bear, 16 in., double spring with teeth, w't per doz. 525 lbs., per dozen .....**AEIFJ** $280.00

These traps are most carefully made in every detail, of the finest materials and are all thoroughly tested, guaranteed in every way.

NOS. 0 AND 1 TWELVE DOZEN IN A CASE, NO. 1½ TWENTY-FIVE, NO. 2 FIFTEEN, NO. 3 TEN DOZEN IN A BARREL, NO. 4 SEVEN DOZEN IN A BARREL.



No. 81—Webbed jaws, spread of jaws 4 in., with chains, w't per doz. 11 lbs., per dozen .....**CAE** $5.50

Corresponds in size with a regular "Newhouse" No. 1.

From the cross section at the left, it is plain the animal can only gnaw off its leg at a point below the meeting edges. The flesh left above the point of amputation and below the jaws will swell, and make it impossible to pull the leg stump out of the trap.

12 DOZEN IN A CASE.



No. 91—Double jaw, spread of jaws 5½ in., with chains, w't per doz. 11 lbs., per dozen .....**CDJ** $6.00

No. 91½—Double Jaw, spread of jaws 6¼ in., with chains, w't per doz. 17 lbs., per dozen .....**EAE** $9.00

The double jaws take a firm grip so high up on an animal that he cannot twist out.

For Muskrat, Skunk, Mink, Raccoon, Fox or Woodchuck.

NO. 91 THIRTY DOZEN, NO. 91½, TWENTY DOZEN IN A BARREL.



No. 5.

ONEIDA JUMP TRAPS.



Double Jaw with Chains.

No. 91—Muskrat or skunk, 4¼ in., single spring, w't per doz. 8 lbs., per dozen .....**BJE** $6.00

The double jaws take an easy and firm grip so high up on the muskrat that he cannot twist out, neither can the skunk gnaw out. Double jaws rarely brake the leg bones because of the double surfaces.

TWELVE DOZEN IN A CASE.



Single Spring.

All Steel With Chain.

No. 0—Rat or Gopher, 4 in., single spring, w't per doz. 5½ lbs., per dozen .....**ADE** $4.25

No. 1—Muskrat, 4¾ in., single spring, w't per doz. 8 lbs., per dozen .....**AGJ** $5.00

No. 1½—Mink, 5¼ in., single spring, w't per doz. 10 lbs., per dozen .....**BEE** $7.50

No. 2—Fox, 5½ in., single spring, w't per doz. 14 lbs., per doz. **JCEJ** $10.50

No. 3—Coyote or Badger, 6½ in., single spring, w't per doz. 22 lbs., per dozen .....**JDHJ** $14.00

No. 4—Otter, 7¾ in., single spring, w't per doz. 28 lbs., per doz. **JEFE** $16.50

Jump Traps are light, compact and guaranteed as to quality.

NOS 0, 1 AND 1½, TWELVE DOZEN IN A CASE, NO. 2, TWENTY, NO. 3, TWELVE, NO. 4, TEN DOZEN IN A BARREL.

VICTOR WITH CHAIN.



No. 1.

No. 0—Rat, 3½ in., single spring, w't per doz. 5 lbs., per dozen **AAE** $4.25

No. 1—Muskrat, 4 in., single spring, w't per doz. 7¾ lbs., per doz. **ACE** $5.00

No. 1½—Mink, 4⅝ in., single spring, w't per doz. 11 lbs., per doz. **BJE** $7.50

No. 2—Fox, 4⅝ in., double spring, w't per doz. 14 lbs., per doz. **JBHE** $10.50

No. 3—Otter, 5¼ in., double spring, w't per doz. 22 lbs., per doz. **JCHJ** $14.00

No. 4—Beaver, 5⅞ in., double spring, w't per doz. 24 lbs., per doz. **JDDE** $16.50

PACKED IN BARRELS, NO. 0 FIFTY-FIVE DOZEN, NO. 1 FORTY, NO. 1½ TWENTY-FIVE, NO. 2 FIFTEEN, NO. 3 TEN, NO. 4 SEVEN.

SAD IRONS.

SAD IRONS.



Solid Base, Handles.

, nickel plated face, sides and top, set consists of three double pointed irons, one handle, one asbestos stand, w't per set 14¼ lbs., per case ..... **JFFJ** $12.00

In the Iron, every care has been used to produce something superior in quality and finish for those who want the best. Between the heavy solid base and the flush top is a layer of asbestos which greatly increases the heat retention. The top as well as the base is ground, polished and heavily nickel plated.

ONE SET IN A BOX; THREE SETS IN A SHIPPING CARTON.

UNIVERSAL THERMO-CELL SAD IRONS.



No. 123—Laundry set, nickel plated and highly polished, consists of one each 4½, 5 and 6 lb. double pointed irons, handle and stand, w't per doz. sets 21 lbs. ...per dozen sets **AIHJ** $33.00

The "Universal" Gravity Lock Handle locks automatically. It cannot be removed until the user's hand is disengaged from the handle and the locking lever raised.

DOVER SAD IRONS.



No. 6—Laundry Sets, consisting of three double pointed cores, one detachable hood and handle and one asbestos stand, w't per doz. sets 180 lbs., per dozen sets ..... **AJCE** $21.00

The cores are ground, smoothly polished and blued finish. Edges are rounded, a desirable feature in ironing delicate garments and laces.

ONE SET IN A CARTON; ONE-QUARTER DOZEN IN A SHIPPING CARTON.

ASBESTOS.



No. 70—Laundry set, consists of one asbestos lined hood with handle and lock complete, one 6 lb., two 7 lb. double pointed cores and one stand, w't per doz. sets 210 lbs., per dozen sets ..... **AGCJ** $24.00



No. 100—Laundry set, consists of one asbestos lined hood with handle and lock complete, two 7 lb. double pointed cores, one 7 lb. square heeled polishing core and one stand, w't per doz. sets 216 lbs. ,per dozen sets **AIDE** $24.00



No. 10—Tourist, consists of one asbestos lined hood with handle and lock complete, one double pointed core and one stand, w't 1½ lbs., per dozen ..... **BAE** $3.60

The same pattern as the larger iron, but much smaller. In addition to being a delightful toy, this iron is just the thing for tourists and college girls and can be heated on a lamp. Is especially adapted for ironing small sleeves, fancy work, etc.

ONE IN A PASTEBOARD CARTON.

ASBESTOS.



No. 40—Sleeve, consists of one asbestos lined hood with handle and lock complete, one double pointed 2½ lb. core and one stand, per dozen **CHE** $6.40

Very handy for children's clothes, sleeves, neckbands, etc. Hood fits flounce and shirt waste iron.

EXTRA PARTS FOR ASBESTOS IRONS.



No. 71—Asbestos lined hood with handle and lock complete for laundry and pressing irons, per doz. **JFBE** $10.40

No. 72—Double pointed laundry cores, per dozen ..... **CHE** $6.40

No. 41—Asbestos lined hood with handle and lock complete for sleeve and flounce irons, per dozen **BDJ** $4.00

SAD IRONS AND STANDS.

MRS. POTTS' SAD IRONS.



No. 650—Nickel plated face and sides, aluminum bronze top, set consists of three irons, one stand and one detachable handle, w't per set approx. 13 lbs. .....per case **DCJ** $7.50

No. J50—Genuine Enterprise, nickel plated face and sides, japanned top, set consists of three irons, one stand, one detachable handle with japanned stretcher, w't per set 15½ lbs., per case .....**EGE** $7.75

SIX SETS IN A CASE.

ENTERPRISE NEW COLD HANDLE SAD IRONS.

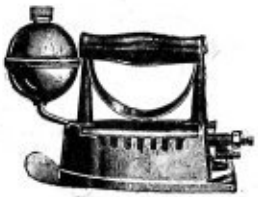


No. E92—Solid top, nickel plated face and sides, set consists, of one 4 lb. iron with one rounded end for polishing, one double pointed 5 lb., one double pointed 6 lb., one handle with tinned stretcher and one stand, w't per set 16 lbs.....per case **FFJ** $9.00

These are something new. No caps to break or come loose. Cross bars are steel and will not break or bend. Handles are highly polished ebony finish with forged stretcher.

SIX SETS IN A CASE.

SELF-HEATING SAD IRONS.



IDEAL, for Gasoline only, High Grade Cast Iron, Hand Polished, Copper Plated, Producing a Beautiful and Lasting Finish.

No. 06—6 lbs., for family use, per dozen .....**EJDJ** $84.00

No. 09—9 lbs., pressing, per dozen .....**JFABJ** 102.00

No. 014—14 lbs., tailors' goose, per dozen★ .....**JGIBJ** $126.00

The iron is always hot, no odor, saves time walking to and from stove, may be used anywhere. Cost of operation is trifling. The burner and generator are manufactured under the direction of experts.

ONE IN A PASTEBOARD BOX.

REVO-NOC GAS IRONS.



No. 47 REVO-NOC—Nickel plated, with 6 ft. guaranteed flexible steel tubing and stand, w't 6 lbs., per dozen .....**BCJE** $50.00

It saves time, labor, fuel and money. Always hot and ready. It costs approximately three cents for ten hours ironing.

ONE IN A CARTON; SIX IN A SHIPPING CARTON.

★*FOR FACTORY SHIPMENT ONLY.*

COMMON SAD IRONS.



Cast Iron, Wrought Handle, Polished Face.

Nos.	4	5	
W't each, lbs.	4	5	6
Per dozen	$3.36	4.20	5.04
	BCJ	**BIJ**	**CDE**
Nos.	**7**	**8**	**9**
W't each, lbs.	7	8	9
Per dozen	$5.88	6.72	7.56
	DJE	**DFJ**	**EBJ**

Cast Iron, Wrought Handle, Aluminum Finish, Nickel Plated Face.

Nos.	4NP	5NP	6NP
W't each, lbs.	4	5	6
Per dozen	$3.84	4.80	5.76
	BFJ	**CBE**	**CIJ**
Nos.	**7NP**	**8NP**	**9NP**
W't each, lbs.	7	8	9
Per dozen	$6.72	7.68	8.64
	DEE	**EBJ**	**EHE**

COMMON SAD IRON ASSORTMENTS.

Polished, in Cases of about 100 lbs.

No. 1—Assortment consists of two No. 5, six No. 6, six No. 7 and three No. 8, per 100 lbs. .....**DBJ** $7.00

No. 6—Assortment consists of eighteen No. 6 .....per 100 lbs. **DBJ** $7.00

No. 7—Assortment consists of eighteen No. 7 .....per 100 lbs. **DBJ** $7.00

No. 8—Assortment consists of sixteen No. 8 .....per 100 lbs. **DBJ** $7.00

Nickel Plated, in Cases of about 100 lbs.

No. 1-NP—Assortment consists of two No. 5-NP, six No. 6-NP, six No. 7-NP and three No. 8NP, per 100 lbs. .....**EBJ** $8.00

No. 6-NP—Assortment consists of eighteen No. 6-NP, per 100 lbs. **EBJ** $8.00

No. 7-NP—Assortment consists of eighteen No. 7-NP, per 100 lbs. **EBJ** $8.00

No. 8-NP—Assortment consists of sixteen No. 8-NP, per 100 lbs. **EBJ** $8.00

SMOOTHING AND POLISHING IRONS.



No. 108—4 lbs., Troy, polished top and sides, perforated bottom, per dozen .....**DEJ** $7.20

ONE DOZEN IN A CASE.

EXTRA SAD IRON STANDS.



No. 250—Coppered, w't per doz. 7 lbs., per dozen .....**EE** $0.75

SAD IRONS AND EXTRAS.

TAILORS' SMOOTHING IRONS.



Cast Iron, Wrought Handle, Polished Face.

Nos.	310	312	314
W't each, lbs..	10	12	14
Per dozen	$12.00	14.40	16.80
	JFCE	JGFJ	JHIJ

Nos.	316	318	320
W't each, lbs..	16	18	20
Per dozen	$19.20	21.60	24.00
	AJAE	AADJ	ABGE

TAILORS' GEESE.



Cast Iron, Wrought Handle, Polished Face.

Nos.	512	514	516
W't each, lbs..	12	14	16
Per dozen	$14.40	16.80	19.20
	JGPJ	JHIJ	AJAE

Nos.	518	520	522
W't each, lbs..	18	20	22
Per dozen	$21.60	24.00	26.40
	AADJ	ABGE	ACIJ

Nos.		524	526
W't each, lbs.		24	26
Per dozen		$28.80	31.20★
		AEBE	AFEJ

Nos.	528	530
W't each, lbs.	28	30
Per dozen	$33.60★	36.00★
	AGGE	AIAJ

FAMILY CHARCOAL IRONS.



Cast Iron, Polished Body, Malleable Top, Wood Handle, Tin Shield.

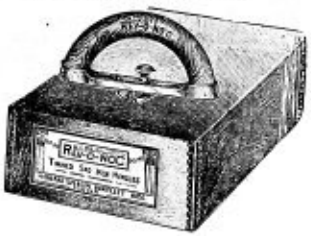
Nos.	102	103	104
Bottom, in....	7x3¼	6½x4	7x4½
W't each, lbs..	6½	6½	6½
Per dozen	$15.00	15.00	15.00
	AJBJ	AJBJ	AJBJ

EXTRA HANDLES.



[illegible]—Extra selected and carefully finished handle, nickel plated malleable indestructible stretcher, w't per doz. 8 lbs. .....per dozen **BDJ** $4.50

Only the best wood capable of taking a smooth high finish is used in [illegible] handles. The stretcher is malleable iron, nickel plated and polished. Note, that instead of fitting flat against the wood, there are four small points of contact forming an insulation and insuring and always cool handle.



[illegible]

No. 810 [illegible]—Extra selected, cherry finish, hazelwood handle, tempered spring, riveted to tinned non-breakable stretcher, attached with the longest and heaviest screws practical, w't per doz. 7¾ lbs., per dozen .....**ABJ** $2.50

ONE DOZEN IN A BOX.

SAD IRON HANDLES.



No. 10—Universal, steel base, wood handle, for all makes Mrs. Pott's irons, w't per doz. 4 lbs., per dozen .....**JIE** $2.10

The base being made of steel, will not break. The lever for attaching and detaching is placed so as to be easily operated. Takes firm grip on iron, fitting tightly. By lowering rear end, an angle is obtained which relieves the strain on the wrist of the operator.

★*FOR FACTORY SHIPMENT ONLY.*

SAD IRON HANDLES.



No. 510—Never-Break, all steel, black japan, for all makes of Mrs. Pott's irons, w't per doz. 4¾ lbs., per dozen .....**JIJ** $2.00

Will not break when dropped. Tubular steel grip with cool air cells at each end. Never gets hot.

ONE IN A CARTON.

EXTRA HANDLES.



No. 22. No. 12.

No. 22—Ober, japanned, for all makes of Pott's sad irons, w't per doz. 6¾ lbs., per dozen .....**JHE** $1.20

No. 12—Ober, japanned, for Ober patent sad irons, w't per doz. 7½ lbs., per dozen .....**JHE** $1.20

From their peculiar shape it will not cramp the hand. There is no wood knob on the catch to break off. Screws fastening handle will not get hot and become loose.

ONE-THIRD DOZEN IN A PACKAGE.



No. 610—Walnut handle, with japanned cast stretcher, w't per doz. 6¼ lbs., per dozen .....**JEE** $1.20

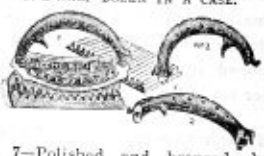
No. 310—Walnut handle, with nickel plated stretcher, w't per doz. 6 lbs., per dozen .....**JHE** $1.80

HAND FLUTERS.



No. 6—Geneva, white metal base and roller, iron handle and bottom, size 3x5 in., 15 flutes, w't per doz. 140 lbs., per dozen .....**AHJ** $24.00

ONE-HALF DOZEN IN A CASE.



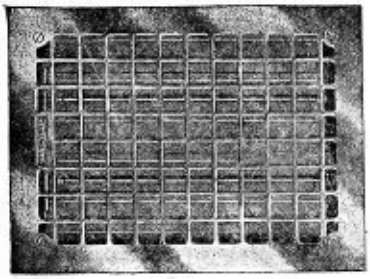
No. 7—Polished and bronzed, base 3x5½ in., adjustable cold handle, which may be used as a lifter in removing top and bottom of fluter from stove, w't per doz. 34 lbs., per dozen .....**JGBJ** $10.00

No. 8—Nickel plated, otherwise same as No. 7 .....per dozen **AADJ** $15.00

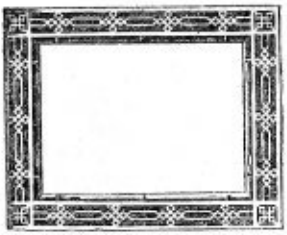
ONE SET IN A BOX.

H. S. B. & CO.'S REGISTERS.

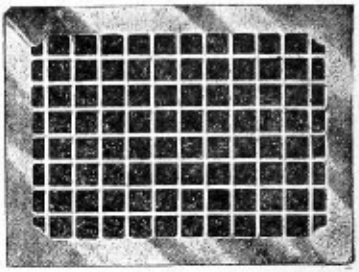
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Register.



Border.



Face.

H. S. B. & Co.'s Semi-steel Registers are light in weight and combine the desirable features of both the cast and the steel registers. The faces made of a special composition of new iron, are strong, and very highly finished. The boxes, or bottoms, are of wrought steel, very shallow and rigid. The fans, or leaves, are ribbed, and fit the boxes snugly. The boxes and fans are finished in japan, baked on, which protects them from rust and assures easy working. All plated faces and borders are coated by the electro process, and, when finished, look exactly like the solid metal. Plain lattice design, illustrated above is growing very popular, as it matches the modern design of hardware and woodwork.

Size of Face, Opening,	Black Japanned. Registers,	Faces,	Borders,	White Japanned. Registers,	Faces,	Electroplated Copper or Gold Bronze. Registers,	Faces,	Borders,	Extreme Size of Face,	Registers,	Faces,	Borders,
Inches.	Each.	Each.	Each.	Each.	Each.	Each.	Each.	Each.	Inches.	Lbs.	Lbs.	Lbs.
6x 8	$1.55	$1.00◀	$1.15◀	$1.85◀	$1.30◀	$2.80◀	$2.25◀	$2.40◀	7 1/4 x 9 1/4	3 3/4	2 1/4	3 1/4
8x 8	1.60	1.05◀	1.20◀	1.95◀	1.40◀	3.00◀	2.45◀	2.60◀	9 1/4 x 9 1/4	4 1/4	2 3/4	4
8x10	1.65	1.10	1.25◀	2.00	1.45	3.15◀	2.60◀	2.75◀	9 3/4 x 11 1/4	5 1/4	3 1/8	4 1/2
8x12	1.90	1.30	1.50	2.30	1.70	3.65◀	3.05◀	3.25◀	9 3/4 x 13 3/4	6 1/4	4 1/8	5
9x12	2.10	1.45	1.65	2.55	1.90	4.00◀	3.35◀	3.55◀	10 3/4 x 13 7/8	7 1/2	4 3/4	5 1/4
10x12	2.40	1.70	1.75	2.90	2.20	4.40◀	3.70◀	3.75◀	11 3/4 x 13 1/16	8 1/4	5 3/4	6
10x14	3.15	2.20	2.20	3.80	2.85	5.25◀	4.30◀	4.30◀	11 3/4 x 15 1/2	9 1/2	6 1/4	7
12x14	4.35	2.80	2.80	5.25	3.65	6.85◀	5.35◀	5.35◀	14 1/16 x 16 1/16	12	8 1/4	7 3/4
12x15	4.50	2.90	2.90	5.40	3.80	7.00◀	5.40◀	5.40◀	14 1/16 x 17	12 1/2	8 1/2	8 1/4
12x16	5.60	3.50	3.50	6.70	4.60	8.25◀	6.15◀	6.15◀	16 1/16 x 18	13	9 1/4	7 3/4
14x16	8.50	4.30	4.30◀	10.20	6.00	11.50◀	7.30◀	7.30◀	16 1/4 x 18 1/16	16	13 3/4	9 3/4
14x18	9.00◀	4.50◀	4.50◀	10.80◀	6.30◀	12.00◀	7.50◀	7.50◀	16 1/4 x 20 1/16	19	15 1/2	10 1/2
14x20	9.50◀	4.80◀	4.80◀	.....	.....	13.00◀	8.50◀	8.50◀	16 1/4 x 22 1/16	16	15 3/4	11 1/4
14x22	10.50◀	5.00◀	5.00◀	.....	.....	14.50◀	9.00◀	9.00◀	16 1/4 x 24 1/4	24	16 1/2	13
16x20	12.35◀	6.10◀	6.10◀	13.60◀	7.35◀	16.55◀	10.30◀	10.30◀	18 1/16 x 22 1/16	33	19	12
16x24	15.00◀	7.00◀	7.00◀	.....	.....	20.00◀	12.00◀	12.00◀	18 1/16 x 26 1/16	40	18	14
20x24	22.00◀	8.60◀	8.60◀	.....	.....	28.20◀	14.80◀	14.80◀	22 3/16 x 26 1/16	50	34	21
20x26	23.50◀	9.50◀	9.50◀	.....	.....	32.00◀	17.50◀	17.50◀	22 3/16 x 28 3/16	52	38	24
24x24	30.00◀	12.00◀	12.00◀	.....	.....	40.00◀	22.00◀	22.00◀	26 3/16 x 26 3/16	70	46	30

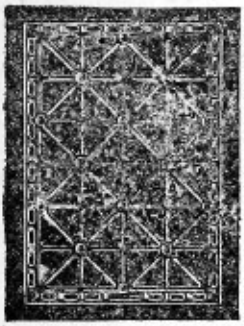
Any of the above registers can be used as ventilators, and when placed in wall or ceiling above easy reach, they can be operated by means of chain or cord.

Ventilators for Cords, 50 cents list extra on sizes up to 12x16 and $1.00 list extra on sizes above.

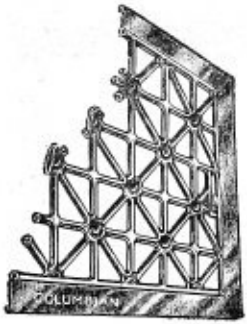
Indicator Handles, one "open" one "closed," and 10 feet of cord, extra .....per set $0.75

"TUBO" WROUGHT STEEL REGISTERS.

GE-AJ%.



Register,



Face.



Border.

Owing to the shallowness of these registers they can be used equally well in the floor, wall or ceiling.

FACES—The Grecian design of the faces is both simple and artistic. They are made of two heavy plates of sheet steel, so closed over each other as to give a tubular construction. The tubular construction provides a greater carrying capacity and makes the faces so strong that they require no supporting bars or braces to strengthen them. It also enables them to withstand a sudden blow or strain without warping or cracking.

BOXES—The register boxes are made of wrought steel, very shallow and rigid. A set screw in one corner permits of taking them apart with ease. The fans are ribbed, and lap over each other and fit the box so snugly that when closed, there are no gaping spaces through which the air may escape.

BORDERS—The borders are stamped out of heavy steel, with corners reinforced securely. The slots for tin box loops are located as in standard cast iron borders. The borders are beveled, which makes them very strong and rigid.

Size of Face, Opening,	Black Japanned			White Japanned		Extreme Dimen. of Face,	Total Depth Open,	Floor Opening for Border,	Register Complete,	Face,	Border,
	Registers,	Faces,	Borders,	Registers,	Faces,						
Inches	Each.	Each	Each.	Each.	Each.	Inches.	Inches.	Inches.	Lbs.	Lbs.	Lbs.
6x 8	$1.55	$1.00★	$1.15★	$1.85★	$1.30★	7 1/16 x 9 1/16	2 1/4	9 7/16 x 11 7/16	2 3/4	3/4	2
8x 8	1.60	1.05★	1.20★	1.95★	1.40★	9 1/16 x 9 1/16	2 1/4	11 7/16 x 11 7/16	3	1 1/4	2 1/4
8x10	1.65	1.10	1.25★	2.00	1.45	9 1/16 x 11 1/16	2 1/4	11 7/16 x 13 7/16	3 1/8	1 3/8	2 3/8
8x12	1.90	1.30★	1.50★	2.30★	1.70★	9 1/16 x 13 1/16	2 3/4	11 7/16 x 15 7/16	4 1/4	1 5/8	2 5/8
9x12	2.10	1.45	1.65★	2.55	1.90	10 5/16 x 13 7/16	3	13 1/16 x 16 1/16	4 1/4	1 7/8	2 5/8
9x14	3.10★	2.15★	2.15★	3.70★	2.75★	10 3/16 x 15 5/16	3	13 1/16 x 18 1/16	5 1/8	2 1/8	2 7/8
10x12	2.40	1.70	1.75★	2.90	2.20	11 1/16 x 13 1/16	3 1/2	14 7/16 x 16 7/16	5 1/8	2	2 3/4
10x14	3.15	2.20	2.20★	3.80	2.85	11 1/16 x 15 1/16	3 1/4	14 7/16 x 18 7/16	6 1/4	2 3/4	2 3/4
10x16	4.85★	2.95★	2.95★	5.85★	3.95★	11 1/16 x 17 1/16	3 1/4	14 7/16 x 20 7/16	7 1/4	2 3/4	3 1/4
12x15	4.50	2.90	2.90★	5.40	3.80	14 1/16 x 16 1/16	3 1/2	16 7/16 x 19 7/16	7 3/4	3	3 1/2
12x16	5.60	3.50★	3.50★	6.70★	4.60★	14 1/16 x 18	3 1/2	16 7/16 x 20 7/16	8 1/4	3 1/4	3 1/4
14x16	....	4.30★	4.30★	10.20★	6.00★	16 7/16 x 18 7/16	3 1/2	18 13/16 x 20 13/16	9 3/4	3 3/4	4
14x18	9.00★	4.50★	4.50★	10.80★	6.30★	16 7/16 x 20 7/16	3 1/2	18 13/16 x 22 13/16	11	4 1/4	4 1/4
14x20	9.50★	4.80★	4.80★	11.25★	6.40★	16 7/16 x 22 7/16	3 1/2	18 13/16 x 24 13/16	14	5	4 3/4
16x20	12.35★	6.10★	6.10★	13.60★	7.35★	18 7/16 x 22 7/16	3 3/4	20 7/16 x 24 7/16	16 1/2	7 3/4	4 1/2
16x24	15.00★	7.00★	7.00★	16.50★	8.50★	18 7/16 x 26 7/16	3 3/4	20 7/16 x 28 3/4	18 3/4	8 1/4	4 3/4
20x24	22.00★	8.60★	8.60★	24.20★	10.80★	22 3/16 x 26 3/4	4	25 1/4 x 29 1/4	24 1/2	11 1/2	6
20x26	23.50★	9.50★	9.50★	25.85★	11.85★	22 5/16 x 28 5/16	4	25 1/4 x 31 1/4	25 1/2	12 1/4	6 1/4
24x24	30.00★	12.00★	12.00★	33.00★	15.00★	26 7/16 x 26 7/16	3 3/4	29 1/2 x 29 1/2	29	13 1/2	6 1/2

The extreme dimensions of a border are 5 to 6 in. greater than the extreme dimensions of the face which it accomodates.

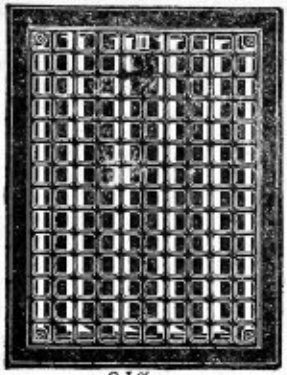
The weights given are net; for shipping weights add 20%.

When any of the above registers are ordered as ventilators, we include a pair of brass pulleys for operating them with chains or cords, for which the register list is advanced **50 cents each.**

★*FOR FACTOY SHIPMENT ONLY.*

REGISTERS AND AIR MOISTENERS.

WROUGHT STEEL REGISTERS.



G J %.

H. & C. Wrought Steel Face Plate, with Carefully Fitted Wrought Steel Box, or Bottom. The Box or Bottom has Heavy Braces for Reinforcing the Face. Plain Lattice Design.

	Registers Faces No.200J Each	Black Japanned. Borders No.250J Each	Faces No.275J Each	White Jap'n'd. Faces No.250W Each
6x 8	$1.55	$1.00◀	$1.15◀	$1.30
8x10	1.65	1.10◀	1.25◀	1.45
9x12	2.10	1.45◀	1.65◀	1.90
10x12	2.40	1.70◀	1.75◀	2.20
10x14	3.15	2.20◀	2.20◀	2.85
12x14	4.35	2.80◀	2.80◀	3.65
12x15	4.50	2.90◀	2.90◀	3.80

SPECIAL SIDE WALL REGISTERS.



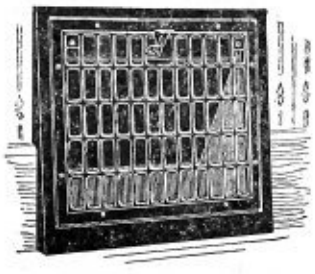
G J %.

No. 100 H. & C. Wrought Steel, Single Valve, for First Floor Work.

Size, in.	Round Pipe in.	W't, lbs.	Black Japan, Each.	White Japan, Each.	Electro-Plated, Any Finish, Each.
7x10	7	5	$2.55◀	$3.00◀	$4.50◀
7x12	8	5	3.40◀	3.90◀	5.50
8x13	9	6	4.25	4.85◀	6.60◀
10x12	10	6	5.10	5.85◀	7.60◀
10x14	12	7	6.00	6.85◀	8.50◀
12x14	12	8	7.15◀	8.15◀	12.00◀

This register projects 2 inches from the baseboard, and a flue can be used 3 inches deper than the studding. Fastened to the studding with long screws. Center operating device which can be worked with hand or foot.

BASEBOARD REGISTERS.



G J %.

No. 105—H. & C. wrought steel, single valve for first floor use, frame and face in one piece, 2¼ in. deep at floor line.

Size, in.	W't, lbs.	Black Japan, Each.	White Japan, Each.	Electro-Plated, Any Finish, Each.
8x10	4	$2.00	$2.35◀	$3.85◀
8x12	4	2.40◀	2.95◀	4.35◀
9x12	5	2.50	3.00◀	4.40◀
10x12	6	3.75◀	4.35◀	6.00◀
10x14	6	4.50◀	5.25◀	7.50◀
12x14	7	6.00◀	7.00◀	9.00◀

This is a new baseboard register which permits of using a flue 2 in. deeper than the studding. The new "inre seal" expanding flanges seal the connection between register and tin box, preventing leakage of air or discoloration of walls.

8x10 and 9x12 black japanned and 9x12 oxidized copper registers in stock, other items ◀.



G J %.

No. 125 H. & C. Wrought Steel, Single Valve, for Upper Floor Work.

Size, in.	W't, lbs.	Black Japan, Each.	White Japan, Each.	Electro-Plated, Any Finish, Each.
8x10	4	$2.00	$2.35◀	$3.85◀
8x12	4	2.40	2.90◀	4.35◀
9x12	5	2.50	3.00◀	4.40◀
10x12	6	3.75◀	4.35◀	6.00◀

This register has straight sides which makes it easy to fit the baseboards. Fastened to the studding with long screws. Can be readily operated with the hand or the foot.

CONVEX WAFER REGISTERS.



G J %.

No. 340—Sets Horizontally.
No. 350—Sets Vertically.

H. & C. Wrought Steel, Convex Face, Center Operating Device.

Size, in.	W't, lbs.	Black Japan, Each.	White Japan, Each.	Electro-Plated, Any Finish, Each.
8x10	3	$1.65	$2.00◀	$3.15◀
8x12	3	1.90	2.30◀	3.65◀
9x12	3	2.10	2.55◀	4.00◀
10x12	4	2.40◀	2.90◀	4.40◀
10x14	5	3.15◀	3.80◀	6.55◀

Order by number. List is same on both Nos. 350 and 340.

This register is very easy to install, has positive operating handle which can be operated readily with hand or foot. The convex face covers any defects in the plaster around the tin box opening, and makes a finished job.

ROUND REGISTERS.



New Idea, cast face, black japanned with steel valves, 6 in., extreme measurement of face 7 in., w't 2 lbs., each ..... JDJ $1.50

This register is made especially for use with "double heater" stoves, but is equally well adated for furnace work or for ventilators.

AIR MOISTENERS.



For Steam or Hot Water Radiators.

No. 2-D—Princess, made of galvanized iron, 1½x9¼ in. opening at top, 7 in. deep, 12 in. across bottom, with hook to fit any radiator, finished in aluminum bronze, w't per doz. 10 lbs., per dozen ..... CFJ $6.00

Makes rooms which are heated by hot water or steam more comfortable and much more healthful.

REGISTER FACES, VENTILATORS, ETC.

STOVE PIPE REGISTERS.



Floor Plate.



Ceiling Plate.

No 366—Adams, 15½ in. square, openings for 6 in. stove pipe, black japanned floor plate with sliding damper, with grate cover and extra solid cover, white japanned ceiling plate with removable center cap, w't per doz. sets 260 lbs., per dozen sets **AIHJ** $30.00

The square stove pipe register meets with great favor on account of the ease with which it can be installed, since it is much easier for the average person to cut a square hole than a round one.

ONE-QUARTER DOZEN SETS IN A CASE.



Floor Plate.

The floor plate consists of three pieces, having a removable cap for use when pipe is taken down, and a sliding plate to regulate the air from below.

The ceiling plate has a removable cap for use when pipe is taken down.



Ceiling Plate.

Floor Plate Black Japanned, Ceiling Plate White Japanned.

No. 166—6 in., complete, w't per doz. sets 212 lbs., per dozen sets **ABFJ** $18.00

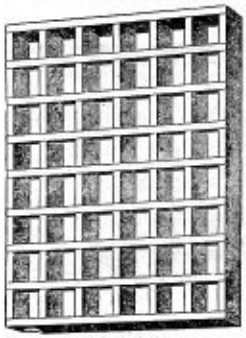
No. 177—7 in., complete, w't per doz. sets 252 lbs., per dozen sets **ABFJ** $19.00

No. 266—Adams, 6 in., complete, w't per doz. sets 216 lbs., per dozen sets ..... **ADDJ** $20.00

No. 267—Adams, 7 in., complete, w't per doz. sets 220 lbs., per dozen sets ..... **ADDJ** $20.00

ONE-QUARTER DOZEN SETS IN A CASE.

WOOD REGISTER FACES.★



FJ-AJ%.

For Cold Air Ducts, ¾x1¼ Inch Oak Strips, ⅝ Inch Cross Strips, Glued In Grooves, Meshes 1⅛ Inch Square.

Size.	Each.	Size.	Each.
12x20 in.	$1.66	24x26 in.	$4.33
12x22 in.	1.83	24x28 in.	4.66
12x24 in.	2.00	24x30 in.	5.00
12x26 in.	2.17	26x20 in.	3.61
12x28 in.	2.33	26x22 in.	3.98
12x30 in.	2.50	26x24 in.	4.33
14x20 in.	1.94	26x26 in.	4.69
14x22 in.	2.13	26x28 in.	5.05
14x24 in.	2.33	26x30 in.	5.42
14x26 in.	2.52	28x20 in.	3.88
14x28 in.	2.71	28x22 in.	4.29
14x30 in.	2.92	28x24 in.	4.66
16x20 in.	2.22	28x26 in.	5.05
16x22 in.	2.44	28x28 in.	5.42
16x24 in.	2.67	28x30 in.	5.84
16x26 in.	2.90	30x20 in.	4.15
16x28 in.	3.12	30x22 in.	4.60
16x30 in.	3.34	30x24 in.	5.00
18x20 in.	2.50	30x26 in.	5.42
18x22 in.	2.75	30x28 in.	5.84
18x24 in.	3.00	30x30 in.	6.25
18x26 in.	3.25	32x20 in.	4.44
18x28 in.	3.50	32x22 in.	4.88
18x30 in.	3.75	32x24 in.	5.34
20x20 in.	2.77	32x26 in.	5.80
20x22 in.	3.05	32x28 in.	6.24
20x24 in.	3.33	32x30 in.	6.68
20x26 in.	3.61	34x20 in.	4.72
20x28 in.	3.88	34x22 in.	5.19
20x30 in.	4.15	34x24 in.	5.66
22x20 in.	3.05	34x26 in.	6.13
22x22 in.	3.36	34x28 in.	6.60
22x24 in.	3.67	34x30 in.	7.07
22x26 in.	3.98	36x20 in.	5.00
22x28 in.	4.29	36x22 in.	5.50
22x30 in.	4.60	36x24 in.	6.00
24x20 in.	3.33	36x26 in.	6.50
24x22 in.	3.67	36x28 in.	7.00
24x24 in.	4.00	36x30 in.	7.50

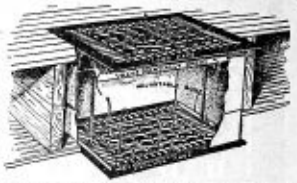
The last named dimensions refer to the wide strips or stringers.

Other sizes made to order.

The square strips are let into the larger strips in these registers in such a manner as to make the top of the face even. When in place the top of the face is flush with the floor, wall or ceiling and when finished to match the other woodwork, a pleasing effect is produced. Are ready for use when received and easily fitted into the opening. These wood register faces are practical in every way and are coming into general use.

★*SHIPMENT FROM FACTORY DIRECT OR FACTORY TO STORE TO GO FORWARD WITH OTHER GOODS.*

ADJUSTABLE VENTILATORS.



Black Floor Register with Valves, White Ceiling Plate, Sheet Metal Box Connecting the Two, Which is Adjustable from 7 to 12 Inches

Size, in.	8x10	8x12	9x12	10x12
W't, lbs.	9½	11	13	13
Each	$4.40	4.80	5.40	6.40
	ADJ	**AEE**	**AGE**	**BJE**
Size, in.	**10x14**	**12x14**	**12x15**	
W't, lbs.	15	17	17½	
Each	$7.60	10.00	10.40	
	BDE	**JCBE**	**JCCE**	

The box consists of two bright tin sections of which one is attached to the floor register and the other to the white ceiling face; one section sliding into the other, the two being held together by springs. The ceiling face has a removable cap to allow access to the springs. Can be placed in position in a minute.

Combination Pattern.

Nos.	108	1210
Size, in.	8x10	10x12
W't, lbs.	10	13
Each	$4.40	6.40
	ADJ	**BJE**

Can be used either as a smoke pipe register or an adjustable ventilator. Consists of a black floor register with valves and a white ceiling plate, both of which have opening in center for a 6 in. smoke pipe. Supplied with removable center pieces to close smoke pipe openings, which make this an adjustable ventilator performing the same service as the regular pattern, viz., allowing the surplus heat to pass from a lower room to an upper one.

ONE IN A PASTEBOARD BOX; THREE IN A CRATE.

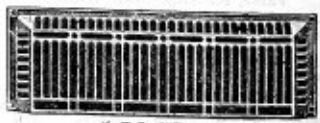
VENTILATING PLATES.



FJ-AJ%.

Size of Opening.	Weight	Black Japanned.	Oxidized Copper.
4x10 in.	1½ lbs.	$0.75	$1.10
4x12 in.	1¾ lbs.	.85	1.20
4x15 in.	2 lbs.	1.10	1.60
4x18 in.	2¼ lbs.	1.35	1.90

New mouse-proof design to be set in baseboards as open ventilators.

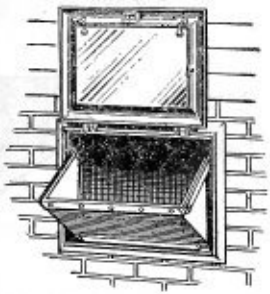


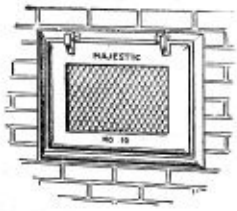
FJ-AJ%.

Size of Opening.	Weight	Black Japanned.	Oxidized Copper.
5x14 in.	2 lbs.	$1.20	$1.00
6x32 in.	5¼ lbs.	3.40	5.00

To be set in baseboards as open ventilators or to take place of cold air register in floor to give perfect circulation.

COAL CHUTES AND HEAT REGULATORS.





MAJESTIC.

No. 11D Open. No. 11D Closed.

Body Heavy Steel with Deep Groove on Inner Edge to Stiffen It and Also Hold It Firmly to the Mason Work, Door and Frame Gray Cast Iron, Hopper 12 Gauge Boiler Plate. All Parts Black Japanned.

No. 11D—Residence size, wall opening 17 in. high by 24 in. wide, chute opening 14x20 in., ¾ in. wire glass in door, steel hopper complete, w't per doz. 1,140 lbs.,
per dozen .....**AJHJJ** $180.00

No. 12D—Without glass, w't per doz. 960 lbs., otherwise same as No. 11D, per dozen .....**JIGBJ** $162.00

No. 13D—With glass, but without hopper, w't per doz. 1,020 lbs., otherwise same as No. 11D,
per dozen★ .....**JHFDJ** $144.00

No. 14D—Without glass or hopper, w't per doz. 780 lbs., otherwise same as No. 11D★..per dozen **JGEFJ** $126.00

No. 101D—With solid cast door, w't per doz. 960 lbs., otherwise same as No. 11D★.....per dozen **JHFDJ** $144.00

No. 102D—With solid cast door, without hopper, w't per doz. 792 lbs., otherwise same as No. 11D,
per dozen★ .....**JFDHJ** $108.00

No. 21D—School house size, wall opening 22 in. high by 33 in. wide, chute opening 18¾x28 in., ¼ in. wire glass in door, steel hopper, complete, w't per doz. 2,160 lbs.,
per dozen★ .....**AGHBJ** $297.00

No. 22D—Without glass, w't per doz. 1,740 lbs., otherwise same as No. 21D, per dozen★ .....**AFBJJ** $270.00

No. 23D—With glass, but without hopper, w't per doz. 1,920 lbs., otherwise same as No. 21D,
per dozen★ .....**AEABJ** $252.00

No. 24D—Without glass or hopper, w't per doz. 1,500 lbs., otherwise same as No. 21D★ per dozen **ACEJJ** $225.00

No. 203D—With solid cast door, w't per doz. 1,860 lbs., otherwise same as No. 21D★ .....per dozen **AFBJJ** $270.00

No. 204D—With solid cast door, without hopper, w't per doz. 1,320 lbs., otherwise same as No. 21D,
per dozen★ .....**ACEJJ** $225.00

Withstand the hardest usage, and will outlast the wall. Can be opened only from the inside.

PROTEX-LITE.



No. 1D. Closed Front View.

No. 2D Closed Rear View.

Strong Cast Iron Window Frame, Substantial Wood Sash, with Heavy Steel Protecting Plate.

Nos.	1D	2D	3D
Wall opening, in...	16¼x23	25½x23	36½x23
Outside rim, in...	18x24	27x24	38x24
W't per doz., lbs.	480	720	960
Per dozen.	$108.00	144.00	180.00
	JFDHJ	**JHFDJ**	**AJHJJ**

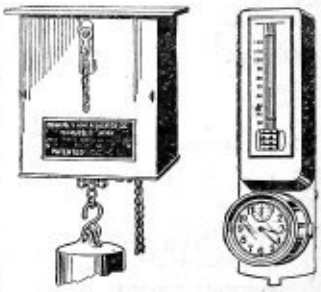
No. 1D has 1—12x16 in. light, No. 2D, 2—10x16 in. lights, and No. 3D, 3—10x16 in. lights.

To avoid breakage in shipment and high freight rates glass is omitted.

The heavy cast frame will withstand the hardest usage and will even outlast the wall. Locks automatically from outside by pushing steel sheet, which protects glass when window is open, over locking lugs provided on lower side of wall frame.

★*FOR FACTORY SHIPMENT ONLY.*

HEAT REGULATORS.



No. 35-D—Minneapolis, complete with clock ready to install, w't each 30 lbs., each .....**BAJJ** $35.00

The Minneapolis Heat Regulator consists of a thermostat, or a mechanical thermometer, and a motor which opens the drafts when the heat falls below the desired temperature, and closes them again when it reaches the temperature at which the regulator is set.

The clock attachment allows a lower temperature at night and, at any set hour in the morning, will automatically turn the indicator to seventy degrees, thereby giving the occupants of the house warm and comfortable rooms when they arise.

The motor is designed to be attached to the basement ceiling. It is small and compact, and presents a very neat appearance. It is provided with an automatic switch which leaves the dampers closed when the motor is run down, thus eliminating all dangers resulting from forgetting to wind motor and letting it run down with drafts open.

The motor has a governor which controls the speed and allows the drafts to open slowly and steadily, thereby avoiding the banging and clatter of dampers so objectionable in other makes.

PACKED ONE IN A BOX WITH FULL DIRECTIONS FOR INSTALLING.

CHIMNEY TOP FIXTURES, CAPS, ETC.

CHIMNEY TOP FIXTURES.



Dayton Fixtures.



Power's Fixtures Only.

Dayton Automatic, Fixtures Only.

Nos.	76	77	78
For pipe, in.	6	7	8
W't per doz. sets, lbs.	40	45	55
Per dozen sets	$8.00	9.50	10.50
	JDHJ	JEGJ	JFCJ

ONE-HALF DOZEN IN A CASE.

POWER'S CHIMNEY TOP FIXTURES.

Nos.	7	8
Diam., in.	7	8
W't per doz., lbs.	38	48
Per dozen	$12.00	13.50
	JGBJ	JHAJ

The iron fixtures are composed of only two parts. Pattern for hood in every box.

ONE-HALF DOZEN IN A BOX.

STANDARD ROTARY CHIMNEY TOPS.



Cast Mounting, Hood of Heavy Galvanized Iron, Revolves on Needle Point Bearings.

Nos.	176	177
For pipe, in.	6	7
W't per doz., lbs.	50	60
Per dozen	$24.25	27.60
	ADEE	AFEE
Nos.	178	179
For pipe, in.	8	9
W't per doz., lbs.	70	100
Per dozen	$31.20	34.80
	AHGJ	BJIJ
Nos.	1710	1712
For pipe, in.	10	12
W't per doz., lbs.	140	180
Per dozen	$40.80	52.80
	BDEJ	CAGJ

The easiest turning ventilator or chimney top made. Will respond to the slightest breeze, makes a splendid ventilator because the hood is so shaped that it is impossible for rain or snow to blow down the chimney.. Prevents down draughts and will improve any chimney. May be used on smoke flue as well as ventilator flue.

Especially recommended for use on low houses adjoining high buildings.

CHIMNEY CAPS.



Nos. 110 to 112.

Cast Iron, Japanned.

No. 110—Best 7 in. collar, size of flange 12x15 in., for chimneys 12x16 in. to 16x16 in., outside measurement, w't per doz. 180 lbs., per dozen .....**AJHJ** $18.00

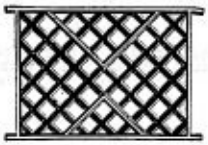
No. 111—Best 8 in. collar, size of flange 12x16 in., for chimneys 12x16, 16x16, 12x20, 16x20 in., outside measurement, w't per doz. 180 lbs., per dozen .....**ABFJ** $21.00

No. 112—Best 10 in. collar, size of flange 16x20 in., for chimneys 16x24, 20x20, 20x24 in., outside measurement, w't per doz. 250 lbs., per dozen .....**AGDJ** $29.00

The legs are adjustable so that each size will fit any chimney up to the largest size for which it is desired. The legs project inside the chimney and prevent it from being blown off. It is not necessary to use mortar or cement to fasten this cap.

ONE-QUARTER DOZEN IN A CRATE.

FOUNDATION GRATES.



Cast Iron, Japanned.

Size, in.	6x8	6x12	8x8	8x10
W't per doz., lbs.	15	28	26	30
Per dozen	$1.50	2.30	2.36	2.50
	JIJ	ADJ	ADE	AEJ

Size, in.	8x12	8x16	8x20	10x12
W't per doz., lbs.	31	42	65	40
Per dozen	$3.30	4.00	4.20	3.70
	BJJ	BDJ	BEJ	BBJ

For any place where ventilation is necessary.

ONE DOZEN IN A BUNDLE.

ROOF SADDLES OR RAIN PROOFS.



No. 60



Nos. 62 and 72.

Taper Collar, Adjustable to ⅛, ⅓ or ½ Pitch. 18x18 Inch Flange.

No. 60—6 in., galvanized iron, top or comb, w't per doz. 30 lbs., per dozen .....**DCJ** $5.50

No. 61—6 in., japanned iron, side, w't per doz. 30 lbs., per dozen **BFJ** $4.30

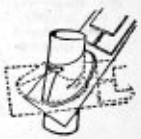
No. 62—6 in., galvanized iron, side, w't per doz. 30 lbs., per dozen **DCJ** $5.50

No. 72—7 in., galvanized iron, side, w't per doz. 33 lbs., per dozen **ECJ** $6.70

ONE DOZEN IN A CRATE.



No. 160.



No. 162.

Overton Adjustable, Heavy Galvanized Iron.

No. 160—6 in., top or comb, w't per doz. 22 lbs. .....per dozen **DAJ** $6.80

No. 162—6 in., side, w't per doz. 22 lbs., per dozen .....**DAJ** $6.80

The Overton patented roof saddle clamps the pipe securely, overcoming the need of guy wires, and fits any pitch roof.

ONE-HALF DOZEN IN A CRATE.

★*F. O. B. HUNTINGTON, INDIANA.*

STOVE PIPE.

REVONOC STOVE PIPE.



New REVONOC Has Double Lock. Easily Put Together and Positively Secure. Lock Runs Entire Length of Seam, So That Pipe May Be Cut Without Destroying Its Lock.

Inches	5	6	7
W't per 100 jts., lbs.	250	275	300
Blued, per 100 jts., 24 in. long	$19.20 AACJ	20.50 ABJJ	24.00 ADAJ
Polished, per 100 jts., 28 in. long	$34.00 BJDJ	39.00 BCDJ	
Planished, per 100 jts., 28 in. long	$54.00 CBDJ	67.00 DJBJ	
6 in. half joints blued, w't per 100 jts. crated 150 lbs., per 100 joints	JGBJ	$12.50	

TAPER JOINTS.

Inches	7 to 6	5 to 6
W't per 100 jts. crated.	260	235
Blued, per 100 joints	$22.00 ACBJ	24.00 ADDJ

The 7 to 6 and 5 to 6 inch taper joints have the crimp on the 6 inch end.

New REVONOC Blued is made of extra smooth, cold rolled steel, double blued, full weight, 26 ga., commercial 24 ga. The very best pipe possible to produce.

REVONOC polished is made of genuine Weltsville polished steel, and has that blue lustre so much desired.

REVONOC planished is made of genuine Wood's planished iron, and is the very best pipe it is possible to make.

TWENTY-FIVE JOINTS IN A CRATE.

PEERLESS STOVE PIPE.



Nested, Smooth, Blued Steel. Peerless Easy Lock.

Inches	3	4
W't per 100, crtd., lbs.	90	110
X Blued, per 100 joints	$11.20 JEAJ	11.50 JEGJ

Inches	5	6
W't per 100, crtd., lbs.	135	155
X Blued, per 100 joints	$12.00 JFCJ	12.80 JFIJ

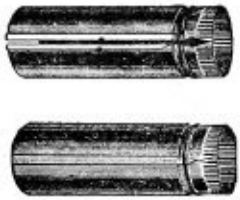
X Blued, Peerless pipe is made of commercial 29 gauge, full weight 30 gauge blued steel.

Inches	6	7
W't per 100, crtd., lbs.	200	225
XX Blued, per 100 jts.	$15.00 JHDJ	17.50 JIIJ

XX Blued, is made of commercial 28 gauge, full weight 29 gauge blued steel.

TWENTY-FIVE JOINTS IN A CRATE.

IMPROVED ACME STOVE PIPE.



Inches	5	6
W't per 100 joints, lbs.	200	225
Per 100 joints	$15.00 JHDJ	16.00 JIJJ

Inches	7	7 to 6
W't per 100 joints, lbs.	250	240
Per 100 joints	$19.00 AJHJ	21.00 ABJJ

Half joints, Inches	6
W't per 100 joints, lbs	150
Per 100 joints	$11.00 JFJJ

Improved Acme pipe has a patent lock in the crimp and a bead running entirely around the pipe. A perfect fitting pipe. Made of full weight 28 gauge blued steel.

TWENTY-FIVE JOINTS IN A CRATE.

T JOINTS.



Handy Nested. Made Up "T."

6 in. handy nested, 6 in. blued pipe, 12 in. long with 6 in. "T," w't per case 13 lbs.....per 100 joints **AIHJ** $33.00

TEN JOINTS NESTED IN A FIBRE CASE.

6 in. common made up "T" joints, 6 in. pipe with 6 in. "T," w't per 100 joints 225 lbs.....per 100 joints **BGFJ** $46.00

6 in., REVONOC made up "T" joints, 6 in pipe with 6 in. "T," w't per 100 joints 250 lbs....per 100 joints **CJJJ** $50.00

LOOSE.

MADE-UP STOVE PIPE.



In.	Blued per 100 Jts.	No. 28 REVONOC per 100 Jts.	No. 26 REVONOC per 100 Jts.	Polished per 100 Jts.	Planished per 100 Jts.
3				$13.00 JGEJ	16.00 JIIJ
	APPROX. W'T PER 100 JTS. CRATED 170 LBS.				
4				$14.00 JHJJ	17.00 JFIJ
	APPROX. W'T PER 100 JTS. CRATED 200 LBS.				
5	$15.00 JHDJ	18.00 AJBJ	22.50 ABIJ	27.00 AFBJ	53.00 CAHJ
	APPROX. W'T PER 100 JTS. CRATED 240 LBS.				
6	$16.00 JIJJ	19.00 AJHJ	24.00 ACHJ	28.00 AFHJ	58.00 CDHJ
	APPROX. W'T PER 100 JTS. CRATED 280 LBS.				
7	$19.00 AJHJ	24.00 ACBJ	27.00 AEFJ	33.00 AIHJ	69.00 DADJ
	APPROX. W'T PER 100 JTS. CRATED 320 LBS.				
7 to 6	$21.00 ABJJ	26.00 AEJJ	30.00 AGDJ	40.00 BDJJ	72.00 DCBJ
	APPROX. W'T PER 100 JTS. CRATED 315 LBS.				
5 to 6	$20.00 AADJ	25.00 ADDJ	29.00 AFHJ	38.00 BBHJ	70.00 DBJJ
	APPROX. W'T PER 100 JTS. CRATED 275 LBS.				
½ jts., 6 in.	$12.00 JFIJ	14.00 AHAJ	16.00 JICJ	16.00 JIFJ	32.00 AIBJ
	APPROX. W'T PER 100 JTS. CRATED 150 LBS.				

BLUED made up stove pipe is made of full weight 30 gauge blued sheet steel and is 24 inches long.

REVONOC is made of REVONOC sheet steel, full weight, of gauges indicated, 24 inches long, has the dull blue lustre so much desired.

POLISHED is made 24 inches long, of genuine Wellsville polished steel. Very high grade pipe.

PLANISHED is made 28 inches long, of genuine Wood's planished iron. The best pipe made.

All our made up pipe is made on our special machine. Has long diagonal crimp, easily put together. Perfect fit and holds securely. Packed 25 or 50 joints in a crate. If wanted loose, deduct $2.00 per 100 joints from list prices.

LESS THAN CASE QUANTITIES SHIPPED LOOSE.

GALVANIZED MADE-UP PIPE.

Sizes, in.	26 Gauge. 5	6	7
W't per 100 joints, lbs.	215	250	280
Per 100 joints	$38.00 BBHJ	40.00 BDJJ	46.00 BGF..

Sizes, in.	8	9	10
W't per 100 joints, lbs.	340	400	450
Per 100 joints	54.00 CBDJ	64.00 CHDJ	72.00 DCBJ

LOOSE.

ELBOWS, DAMPERS AND CLIPS.

STOVE PIPE ELBOWS.



REVONOC, One Piece, Extra Heavy Refined Iron, Riveted Fastening, Extra Deep Corrugation.

Size, in.	5	6	7
W't per doz., lbs.	14	18	23
Per dozen	$1.65	2.00	2.70
	JID	AAE	AEE
Polished, per dozen	$2.70	3.50	
	AEE	BJB	
Planished, per dozen	$4.60	6.00	
	BGE	CFJ	

The very deep corrugations make these elbows extra strong, they are of special high quality and will go well with the best grade of pipe.

CRUSO One-Piece Blued.

Sizes, in.	3	4
W't per doz., lbs.	3	6
Blued, per dozen	$0.90	1.05
	EB	JFJ

Sizes, in.	5	6	7
W't per doz., lbs.	12	16	22
Blued, per dozen	$1.20	1.40	1.90
	JGE	JIJ	ABJ

The improved lap fastening makes a strong easy fitting elbow, true to size and angle. All "O. H." elbows have full length ends and do not require riveting or wiring to hold them to the pipe.

ONE DOZEN IN A BUNDLE.

H. S. B & Co. Special, 6 in., one piece blued steel, w't per doz. 10 lbs., per dozen ..... JFE $1.08

This is a short end, one piece elbow. The ends are 1½ in. which is the same as on the 4 piece elbow which it replaces.

ONE DOZEN IN A BUNDLE.

ADJUSTABLE ELBOWS.



Blued Steel—Sizes, in.	3	4	5
W't per doz., lbs.	3	6	10
Per dozen	$1.10	1.20	1.36
	JFD	JFI	JHJ

Blued Steel—Sizes, in.	6	7
W't per doz., lbs.	13	18
Per dozen	$1.45	2.20
	JHC	ABE

The 3 and 4 inch elbows are used principally for gas stoves.

ALL OTHERS ONE DOZEN IN A BUNDLE.

REVONOC ADJUSTABLE ELBOWS.



Extra Heavy, Double Blued Special Smooth Steel, 26 Gauge, 4½ in. Ends.

Sizes, in.	6	7
W't per doz., lbs.	18	22
Per dozen	$3.60	3.40
	AHJ	BDJ
Polished, 6 in. ... per dozen	BAE	$2.40
Planished, 6 in. ... per dozen	BIJ	4.00
Planished, 7 in. ... per dozen	CCJ	4.80

Extra deep beading at the joints makes these elbows adjust freely, and at the same time hold as securely as if made of one piece. These elbows are especially high quality, and go well with the best grades of stove pipe.

ONE DOZEN IN A BOX.



GALVANIZED ELBOWS.

Four Piece.

26 Gauge, Galvanized Iron.

Sizes, in.	6	7	8
W't per doz., lbs.	20	25	30
Per dozen	$4.00	4.40	5.20
	BBJ	BF..	CJJ

Sizes, in.	9	10
W't per doz., lbs.	40	50
Per dozen	$6.60	8.00
	CEJ	DEE

Adjustable.

Sizes, in.	6	7	8
W't per doz., lbs.	20	25	30
Per dozen	$4.40	5.60	6.50
	BEJ	CJJ	CEJ

Sizes, in.	9	10
W't per doz., lbs.	40	50
Per dozen	$7.25	9.00
	DJE	EJE

ONE-THIRD DOZEN IN A RING; ONE DOZEN IN A BUNDLE.

DAMPER CLIPS.



Nos. 13 and 14. Nos. 18 and 20.

No. 13—Heavy wrought steel plate, steel spindle with nickel plated handle, without tail piece, w't per doz. 4 lbs. ..... per dozen DF $0.80

No. 14—With tail pieces, w't per doz. 4½ lbs., otherwise same as No. 13, per dozen ..... EE $0.90

No. 18—No-Rivet, heavy wrought steel plate, with lugs for holding damper blade, sharp steel spindle with nickel plated handle, without tail piece, w't per doz. 4½ lbs., per doz. JFJ $1.00

No. 20—With tail pieces, otherwise same as No. 18, per dozen JFE $1.10

Can be attached in less time than it takes to mark rivet holes in old style clip. To attach, push lugs over edge of damper, drive point through and clinch. Tail pieces attached in same way. Tail pieces recommended for dampers 10 inches in diameter or larger.

DAMPERS.



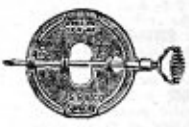
Wood Handle, Sharp Spindle, Smooth Cast Iron Blade.

Nos.	93	94	95
Sizes, in.	3	4	5
W't per doz., lbs.	3½	5	7½
Per dozen	$0.88	.94	1.00
	EJ	EE	JFJ

Nos.	96	97	98
Size, in.	6	7	8
W't per doz., lbs.	9	13	18
Per dozen	$1.10	1.50	2.50
	JFE	JHE	ADE

Nos.	99	910	912
Size, in.	9	10	12
W't per doz., lbs.	25	32	45
Per dozen	$3.40	4.30	4.80
	AIE	BDE	BIJ

Can be put in pipe without the aid of any tool.



Nickel Plated Cold Handle, Sharp Steel Spindle, Fine Cast Iron Blade.

Sizes, in.	3	4	5
W't per doz., lbs.	3½	5	7½
Per dozen	$0.90	1.04	1.10
	EB	JFJ	JFB

Sizes, in.	6	7
W't per doz., lbs.	9	13
Per dozen	$1.20	1.60
	JFI	JIB

Dampers have extra sharp steel spindles and can be put in any pipe without the aid of tools.

The nickel plated coil handle never gets hot. The best damper made.

OVAL DAMPERS.

No. 506—6 in. cast blade 6⅜ in. long, 3¼ in. wide, fits 6 in. stove pipe, w't per doz. 10 lbs., per dozen ..... AAJ $1.80

No. 507—7 in. cast blade 7⅜ in. long, 3¼ in. wide, fits 7 in. stove pipe, w't per doz. 12 lbs., per dozen ..... ADJ $2.30

These dampers are intended for use in taper joints near collar of stove, and are particularly convenient where warming closet or shelf is used, as the damper can be placed low enough to permit easy reach from the floor.

PACKED IN BARRELS.

AUTOMATIC DAMPERS, CYLINDERS AND CHIMNEY THIMBLES.

CYLINDERS.



Light, Spring Adjustable, Steel Heads, Black Japanned Tin Body.

Nos.	36	46
For pipe, in.	6	6
Extension, in.	4 to 7	6 to 12
W't per doz., lbs.	19	25
Per dozen	$3.80	4.30
	BGE	CJE

ONE-HALF DOZEN IN A CRATE.



Corrugated Adjustable, Steel Head, Bright Tin Body, Adjusts by Turning Two Halves Together.

Nos.	64	65	74	75
For pipe, in.	6	6	7	7
Exten., in.	4to7½	6to12	4to7½	6to12
W't, doz., lbs.	21	24	24	30
Per dozen	$3.90	4.40	4.80	5.50
	BHJ	CAJ	CGE	DJE

ONE-HALF DOZEN IN A CRATE.

CYLINDER RINGS.



Cast Iron.

Nos.	56	57
Inside diameter, in.	6	7
W't per doz. prs., lbs.	23	25
Per dozen pairs	$2.40	3.00
	AGE	BJE

ONE DOZEN PAIRS IN A BOX.

No. 76—6 in. japanned steel, w't per doz. prs. 8 lbs., per dozen pairs .....**ADE** $2.30

ONE DOZEN PAIRS IN A BOX.

STOVE PIPE COLLARS.



Nos. 3 and 4 Reducing.



Nos. 5, 6 and 7 Regular.

Lacquered Brass Finish, Embossed.

Diam. of hole, in.	3	4	5
W't per doz., lbs.	½	¾	1
Per dozen	$0.50	.50	.40
	BI	BI	BC

Diam. of hole, in.	6	7
W't per doz., lbs.	1½	2
Per dozen	$0.50	.60
	BI	CE

No. 6½—6 in., lacquered brass finish w't per gro. 18 lbs., per gross .....**BIJ** $4.80

ONE DOZEN IN A PACKAGE.

CHIMNEY THIMBLES.



Black Sheet Iron.

No. 6—6 in., solid...per dozen **CE** $0.60

No. 7—7 in., solid...per dozen **DE** .80

W'T PER DOZEN 4 LBS. IN BUNDLES.



Galvanized Iron, Depth 4½ Inches, Flanged Edge.

No. 660—6 in. only, w't per doz. 5 lbs., per dozen .....**HJ** $0.90

No. 667—6 or 7 in. adjustable, w't per doz. 6 lbs.....per dozen **JIJ** $1.00

ONE DOZEN IN A NEST.



Cast Iron, Depth 4 Inches, ¾ Inch Flange.

No. 60—6 in., w't per doz. 25 lbs., per dozen .....**ACJ** $2.30

No. 70—7 in., w't per doz. 28 lbs., per dozen .....**AGE** $3.00

ONE DOZEN IN A BUNDLE.

CHIMNEY THIMBLES.





Logan, Japanned Sheet Steel, 3 in. Inside Flange with Corrugated Edge, W't per Doz. 9 Lbs.

No. 56—6 in .....per dozen **ADE** $2.30

No. 57—7 in. .....per dozen **AFE** 2.50

The flange holds the pipe in place and makes the thimble absolutely air tight.

ONE DOZEN IN A CRATE.





No. 356—McCarroll's, 6 in. heavy sheet steel, black japanned, beaded edge, ribbed prongs, w't per doz. 8 lbs., per dozen .....**ABE** $1.99

ONE DOZEN IN A CRATE.



Nos. 83 and 84.



Nos. 167 and 165.

Reducing, Black Sheet Steel.

No. 83—Reduces 6 to 3 in., w't per doz. 7 lbs. .....per dozen **ADE** $2.20

No. 84—Reduces 6 to 4 in., w't per doz. 8 lbs. .....per dozen **ADE** $2.20

No. 167—Reduces from 7 to 6 in., w't per doz. 10 lbs.....per dozen **ADE** $2.20

No. 165—Reduces from 6 to 5 in., w't per doz. 9 lbs.....per dozen **ADE** $2.20

These thimbles are used where the flue is of a size different from the pipe, also where necessary to use a pipe of a size different from the stove collar.

ONE DOZEN IN A CRATE.

REDUCERS, CAPS, FLUE STOPPERS AND TONGS.

STOVE PIPE REDUCERS.



Star—7 to 6 in., made of No. 27 smooth blued sheet steel, w't per doz. crated 12 lbs.....per dozen **BCJ** $3.40

Star Reducers are useful where it is necessary to use stove pipe of different size than the stove collar and where the pipe is not the same size as the flue which it enters.

ONE DOZEN IN A CRATE.

STOVE PIPE CAPS.



6 in., for 6 in. Stove Pipe, Nestable and Very Strong, W't per Doz. 9 Lbs.

No. 96—Stamped from sheet steel, per dozen .....**AAE** $1.90

No. 960—Galvanized iron, per dozen .....**ADE** 2.40

These caps prevent rain and wind from blowing down the pipe. Being nestable, they occupy but small space in the merchant's store and also take a low freight rate.

STOVE PIPE BRACES.



No. 196—6 in., black japanned, flexible steel bands with rigid locking lever, w't per doz. 4 lbs., per dozen .....**JIJ** $1.50

Easily attached, requiring only the tightening of two bolts. Holds pipe rigid. Prevents pipes sagging or pulling apart. Overcomes necessity of wires or hooks to ceiling.

ONE DOZEN IN A BOX.

FLUE STOPPERS.



No. 10—Kirch's corrugated and lacquered, heavy sheet steel cone lock, for 5, 6 or 7 in. flues, w't per doz. 5½ lbs., per dozen.....**AAJ** $1.90

Prevents gas, smoke, water, soot or fire escaping from flue. It is absolutely clean, as it holds soot back 3½ in. from the front.

ONE DOZEN IN A BOX.

FLUE STOPPERS.



No. 6. No. 16. No. 3.

No. 6—Plain, tin, 5 to 6 in., w't per doz. 2¾ lbs.....per dozen **CE** $0.60

No. 16—Lacquered, corrugated, with picture, common flat spring fastening, 5 to 6 in., w't per doz. 3¼ lbs., per dozen .....**DJ** $0.68

No. 3—Gem, corrugated, with picture, folding spring wire fastening, for 6 in. flues, w't per doz. 3 lbs., per dozen .....**JGJ** $1.20

No. 4—Gem, 9¾ in. face plate with fasteners for 7 or 8 in. flues, otherwise same as No. 3, per dozen .....**AJJ** $1.70

ONE DOZEN IN A BOX.



No. 1. No. 14.

No. 1—Gem, painted, flat tin, folding spring wire fastening, for 6 in. flues, w't per doz. 3¼ lbs., per dozen .....**JHJ** $1.40

No. 14—Lacquered, wire spring brackets, adjust to 5, 6 and 7 in. thimbles, w't per doz. 3½ lbs., per dozen **JGJ** $1.20

No. 1 is designed for use where it is desired to cover with wall paper.

ONE DOZEN IN A BOX.



The fasteners are securely attached to the face plate so that there are no loose parts to bother with. The fasteners grip sides of flue 3½ in. into chimney and hold securely.

A real good flue stopper, the kind the hardware man appreciates.

EDWARD'S, Corrugated Tin Face Plate with Picture, Extra Strong Fasteners, W't per Doz. 4 Lbs.

No. 12—8¼ in., for 5, 6 or 7 in. flue, per dozen .....**JIJ** $1.50

No. 11—9¾ in., for 5 to 8 in. flue, per dozen .....**ABJ** $2.00

Desirable because large enough to cover blacking around hole.

ONE DOZEN IN A BOX.



No. 156. No. 157.

Lock Tight, Lacquered, Reversible.

No. 156—For 6 in. thimble, per dozen.....**JGJ** $1.20

No. 157—For 7 in. thimble, per dozen .....**JIE** $1.50

When reversed for papering, sunken center forms dead air space under paper, preventing burning.

ONE DOZEN IN A BOX.

COAL TONGS.



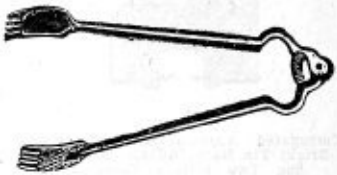
No. 204—Gray iron, japanned, length 11¼ in., w't per doz. 13 lbs., per dozen .....**AAE** $1.90

ONE DOZEN IN A BOX.



No. 1—Cast iron, japanned, length 13 in., w't per doz. 15 lbs., per dozen.....**ABE** $2.10

ONE-HALF DOZEN IN A BUNDLE.



No. 4—Grey iron, japanned, steel spring, length 13 in., w't per doz. 17 lbs., per dozen.....**AEJ** $2.50

ONE-HALF DOZEN IN A BUNDLE.



No. 3—Wrought iron, japanned, brass spring, length 17 in., w't per doz. 16 lbs.....per dozen **BDJ** $4.00

ONE-HALF DOZEN IN A BUNDLE.

CLINKER TONGS.



No. 6—U. S., 5 ft. long, ⅝ in. steel tubing, with malleable claws, large wood grip, spread of prongs when opened 9½ in., w't per doz. 50 lbs., per dozen .....**ADDJ** $24.00

Will grab any size clinker. A handy tool to remove clinkers from boiler or furnace grates.

ONE-HALF DOZEN IN A BUNDLE.

STOVE POKERS LIFTERS AND SHAKERS.

STOVE POKERS.



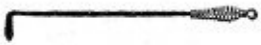
Nickel Plated Steel Wire Rod, Straight, Coil Handle with Eye for Hanging.

No. 04—20x¼ in., w't per doz. 5 lbs. per dozen .....DD $0.76

No. 4—20x9-32 in., w't per doz. 7 lbs., per dozen .....EE $0.88

No. 40—26x⅜ in., w't per doz. 13 lbs., per dozen .....AAJ $1.60

ONE DOZEN IN A BOX.



Nickel Plated, Steel Wire Rod, Bent, Coil Wire Handle With Eye for Hanging.

No. 01—20x¼ in., w't per doz. 5 lbs., per dozen.....DE $0.76

No. 1—20x9-32 in., w't per doz. 7 lbs., per dozen.....EE $0.88

No. 41—26x⅜ in., w't per doz. 13 lbs., per dozen .....AAJ $1.60

ONE DOZEN IN A BOX.

FURNACE POKERS.



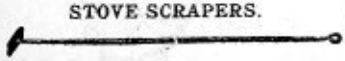
48x½ in., Japanned Steel Rod, Large Loop Handle, W't per Doz. 40 Lbs.

No. 160—Straight, per dozen BIJ $5.00

No. 165—Bent ....per dozen BIJ 5.00

ONE DOZEN IN A BUNDLE.

STOVE SCRAPERS.



No. 7—Wrought steel, length 36 in., w't per doz. 10 lbs....per dozen CE $0.60

ONE DOZEN IN A BUNDLE.

STOVE COVER LIFTERS.



No. 1—8½ in., coppered iron, w't per doz. 3 lbs.....per dozen AG $0.28

IN BARRELS.



No. 66—Ideal, 9 in., nickel plated cold handle, w't per doz. 4½ lbs., per dozen .....DE $0.68

ONE DOZEN IN A BOX.



No. 10 [illegible]—10 in., nickel plated, always cold spiral handle with ring, w't per doz. 5½ lbs., per dozen .....EE $0.90

An extra high grade lifter full size and perfect balance.

ONE DOZEN IN A BOX.



No. 12—10 in., combination shaker and lifter, ⅝ in. socket, always cold spiral handle, with ring, nickel plated, w't per doz. 7 lbs...per dozen JIJ $1.50

ONE DOZEN IN A BOX.



No. 76—Ideal, 8½ in., nickel plated, always cold coil handle, w't per doz. 12 lbs. .....per dozen EJ $0.84

ONE DOZEN IN A BOX.



No. 2 [illegible]—9¼ in., nickel plated always cold coil handle, w't per doz. 13 lbs. .....per dozen JFE $1.10

An extra high grade lifter of full size and perfect balance.

ONE DOZEN IN A BOX.

COMBINATION STOVE SHAKERS.



No. 21-D—Malleable iron, aluminum finish, w't per doz. 15 lbs., per dozen .....AHJ $3.00

These shakers are made especially for the hardware trade. The above assortment includes 24 different shakers and fits all popular makes of heating stoves. The following is a list of some of the leading stoves that these shakers will fit:

No. 37—Gold Coin.
No. 5—Palace Aladdin.
No. 21—Sterling.
No. 7—Acorn Oak.
No. 72—Crescent Laurel.
No. 50—Buck Brilliant.
No. 58—Minnehaha.
No. 16—Flirt.
No. 52—Estate Oak.
No. 31—Jewett's Athanor.
No. 58—Peninsular.
No. 65—Peninsular.
No. 71—Royal Acorn.
No. 12—Splendid.
No. 10—Art Garland.
No. 102—Live Oak Jewel.
No. 63—Radiant Jewel.
No. 83—Sterling Ventilator.
No. 106—Wabash Oak.
No. 66—Harmony.
No. 108—Star American.

ONE DOZEN IN A BOX; WE DO NOT BREAK BOXES.

OAK SHAKERS.



No. 27-D—Adam's, 15 in. long, cast iron, w't per doz. 10 lbs., per dozen.....AHJ $3.00

To fit Round Oak and Cole's Hot Blast Heater.

ONE DOZEN IN A PACKAGE.

STOVE SHOVELS AND COAL HODS.

STOVE SHOVELS.



Black Japanned, Stamped One Piece of Sheet Steel, Scoop Well Proportioned.

No. 800—Scoop 4¼x7 in., length 15 in., No. 20 sheet steel, w't per doz. 5 lbs., per dozen .....**BE** $0.42

ONE DOZEN IN A BUNDLE.



Black Japanned, Stamped One Piece of Sheet Steel, Round Hollow Handle.

No.	54	56	157
Scoop, in.	4¼x7	4¼x8	5x8½
Length, in.	15	20	23
W't per doz., lbs.	6½	8	10
Per dozen	$0.70	0.88	1.30
	JDJ	**JEJ**	**JGE**



No. 255—Galvanized, round hollow handle, stamped one piece, scoop 4¼x7½ in., length 16 in., w't per doz. 9 lbs., per dozen .....**JGJ** $1.24



No. 256—Galvanized, round hollow handle, stamped one piece, scoop 4¼x8 in., length 20 in., w't per doz. 8 lbs., per dozen .....**JGE** $1.34

ONE-HALF DOZEN IN A BUNDLE.



No. 135D—Jumbo, black japanned, extra heavy steel scoop 5x8 in., 2½ in. deep, length 21 in., double handle, w't per doz. 12 lbs., per dozen **AAJ** $1.74

This shovel has an extra deep scoop and holds twice as much as the ordinary shovel. Especially adapted for ashes.



Length 14 in., scoop 4¼x7 in., 2 in. deep w't per doz., 8 lbs.

No. 185-D—CRUSO, Japanned, per dozen .....**EJ** $0.80

No. 195-D—CRUSO, Galvanized, per dozen .....**JHE** $1.40

The Cruso stove shovel is a new, improved, one piece shovel, handy size with capacity ofmuch larger shovels of regular pattern; extra strong.

ONE DOZEN IN A BUNDLE.



No. 11D—School House, extra heavy steel scoop 6½x8¾ in., wrought iron loop handle, length 31 in., w't per doz. 35 lbs. .....per dozen **BHE** $5.00

ONE-HALF DOZEN IN A BUNDLE.

STOVE SHOVELS.



IXL Black Japanned Stamped Scoop Securely Riveted to Double Oval Handle, Reinforcing the Shovel at the Heel, and Making It Extra Strong.

No.	100	105	110
Scoop, in.	5x7½	5x8½	5½x9
Length, in.	16	22	25
W't per doz., lbs.	12	14	16
Per doz.	$1.60	1.85	2.10
	JIJ	**AJE**	**ABJ**



No. 300—Black japanned round hollow handle, extra strong, scoop 6x9 in., length 25½ in., w't per doz. 18 lbs., per dozen .....**AAE** $2.00



No. 16-D—Tinned steel scoop, 5x7½ in., malleable iron shank, nickel plated, always cool handle, length 17 in., w't per doz. 11 lbs., per dozen **ADE** $2.50



No. 36—Black japanned, stamped steel scoop, 5x7½ in., length 24 in., w't per doz. 20 lbs. ....per dozen **BAJ** $3.50

ONE-HALF DOZEN IN A BUNDLE.



Pittsburgh Pattern, Extra Heavy Steel Scoop, Wrought Iron Handle, Black Japanned.

No.	2-D	3-D	4-D	5-D.
Scoop, in.	5x6½	5¼x7	6x7¼	6¼x8¾
Length, in.	22½	25	27	31
W't doz., lbs.	11	16	22	30
Per dozen	$2.00	2.50	3.20	4.00
	AAE	**ADE**	**AHE**	**BCJ**

ONE DOZEN IN A BUNDLE.

REVONOC COAL HODS.



Galvanized, open heavy Galvanized iron with bright red band, square lip, large wrought ears riveted, smooth half oval bail.

17 in., w't per doz. 50 lbs., per dozen .....**EGJ** $8.50

18 in., w't per doz. 54 lbs., per dozen .....**FCE** 9.00

This is an extra well made coal hod.

CRUSO COAL HODS.



Galvanized, Open.

No.	616	617	618	620
W't doz., lbs.	32	34	39	50
Per dozen	$4.80	5.20	5.70	8.00
	CBJ	**CEJ**	**CIJ**	**EBJ**

Japanned, Open.

No.	115	116	117
W't per doz., lbs.	24	26	29
Per dozen	$3.00	3.40	3.80
	AHJ	**AIE**	**BCJ**

No.	118	120
W't per doz., lbs.	33	43
Per dozen	$4.40	6.00
	BCJ	**CDE**

ONE-HALF DOZEN IN A BUNDLE.



Galvanized, with Funnel.

No. 717—17 in., w't per doz. 40 lbs., per dozen .....**DCJ** $6.50

No. 818—18 in., w't per doz. 46 lbs., per dozen .....**DDJ** $7.70

Japanned, with Funnel.

No. 317—17 in., w't per doz., 32 lbs., per dozen .....**BGE** $4.80

ONE-QUARTER DOZEN IN A BUNDLE.

RAILROAD COAL HODS.



No. 527—18 in., galvanized, open, hand made of 26 gauge galvanized iron for extra hard use, w't per doz. 50 lbs., per dozen .....**AJHJ** $12.80

ASH SIFTERS, FIRE GUARDS, FENDERS, ETC.

ASH SIFTERS.



Nos. 5 to 11. No. 320.

Stained Wood Frame.

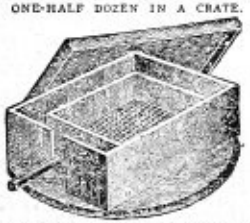
No. 5—12x14 in., black wire, w't per doz. 24 lbs., per dozen.....**AAE** $1.70

No. 10—12x14 in., galvanized wire, w't per doz. 29 lbs., per doz...**AEJ** $2.36

No. 11—14x16 in., galvanized wire, w't per doz. 40 lbs., per dozen..**AIJ** 2.90

No. 320—12x14 in., perforated black sheet steel screen, w't per doz. 36 lbs., per dozen .....**AIJ** $2.90

ONE-HALF DOZEN IN A CRATE.



No. 06—Barrel, 12x12 in. sieve, stained wood. Will fit over sugar or flour barrel. W't per doz. 102 lbs., per dozen .....**CDJ** $5.50

ONE-QUARTER DOZEN IN A CRATE.



No. 08—Metallic, 14 in., all steel, japanned, w't per doz. 24 lbs., per dozen .....**BBJ** $3.70

FOUR DOZEN IN A CRATE.



No. 104—Cruso, heavy galvanized iron, all parts securely riveted, galvanized heavy wire sifting drum, heavy stamped base, 18½ in., rim extra deep, for ash can or barrel, w't per doz. 270 lbs. .....per dozen **CABJ** $52.00

ROTARY, GALVANIZED IRON EXTRA HEAVY GALVANIZED WIRE SIFTING DRUM, ALL PARTS SECURELY RIVETED FOR ASH CAN OR BARREL.

No. 101—Hustler, size, 1, 19½ in. deep bottom rim, w't per doz. 300 lbs., per dozen .....**DCBJ** $72.00

TWO IN A CRATE.

CHRISTMAS TREE HOLDERS.



No. 2-D—Made of steel, black japanned with gilt tips, spread 15 in., w't per doz. 14 lbs. ....per dozen **BAI** $3.00

This holder comes in one piece ready to attach to the tree. Holds any size tree securely. Attached in a minute. Folds compactly when not in use.

ONE IN A CARTON.



No. 4-D—Stamped from 16 ga. pickled steel, black japanned, spread 24 in., adjustable to fit any tree, w't per doz. 24 lbs.....per dozen **DHJ** $8.00

The trunk of tree extends down through center of stand so that it may be set in a pan of water which may be placed under it. The tree will absorb about a quart of water per day, and thereby remains fresh and green for a long time.

ONE DOZEN IN A PACKAGE.

SPARK AND FIRE GUARDS.



Square Top, Crimped Tinned Wire, 1 Inch Diamond Mesh.

Nos.	124	128	130
Width, in.	24	28	30
Height, in.	30	30	30
W't, doz., lbs.	30	36	42
Per dozen	$9.00	11.20	12.00
	EDJ	**JFGJ**	**JGBJ**

Square Top, Crimped Tinned Wire, 1¼ Inch Diamond Mesh, Lined with Fine Mesh Wire Cloth.

Nos.	24	28
Width, in.	24	28
Height, in.	30	30
W't per doz., lbs.	52	58
Per dozen	$13.60	15.50
	JIIE	**AAAJ**
Nos.	30	36
Width, in.	30	36
Height, in.	30	30
W't per doz., lbs.	64	72
Per dozen	$16.50	21.00
	AAGJ	**ADDJ**

To better protect in transit, it is desirable to ship several nested in a crate.

ONE-HALF DOZEN IN A CRATE.

SPARK AND FIRE GUARDS.

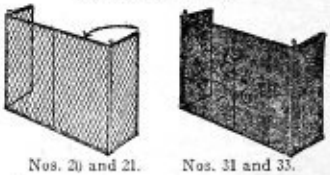


Berlin Black Finish, 1-6 Inch Square Mesh, Heavy Wire Cloth, Extra Strong Steel Rod Frame.

Nos.	175	176
Width, in.	24	30
Height, in.	30	30
W't per doz., lbs.	60	70
Per dozen	$21.00	30.00
	ADDJ	**AIHJ**

ONE-HALF DOZEN IN A CRATE.

FIRE FENDERS.



Nos. 20 and 21. Nos. 31 and 33.

Folding Frame, Lock Joint, Bronzed, Half Oval Top Bar, 1½ Inch Mesh, Crimped Tinned Wire.

Nos.	20	21
Width, in.	34	34
Height, in.	24	30
W't per doz., lbs.	110	120
Per dozen	$26.40	28.00
	AEHE	**AGCJ**

Folding Frame, Lock Joint, Brass Half Oval Top Bar, Brass Acorn Tips, 1-6 Inch Square Mesh, Black Heavy Cloth with Brass Scroll.

No.	31	33
Height, in.	24	30
Depth, in.	13	13
Length, in.	34	34
W't per doz. lbs.	145	160
Per doz.	$40.00	48.00
	BCJJ	**BGJJ**

ONE IN A CRATE.

IN NESTS.



Rigid Frame, Bronzed Half Oval Top Bar, 1 Inch Mesh, Crimped Tinned Wire.

No. 3—Hegiht 24 in., depth 15 in., one each 32, 34 and 36 in. long, nested, w't per doz. nests 180 lbs., per dozen nests .....**CACJ** $52.20

No. 4—Height 30 in., depth 15 in., one each 32, 34 and 36 in. long, nested, w't per doz. nests 216 lbs., per dozen nests .....**CFGJ** $61.30

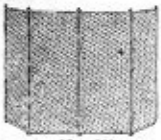
THREE IN A NEST. WE DO NOT BREAK NESTS.

FIRE PLACE SCREENS, GRATE BASKETS, FIRE IRONS, ETC.

FRENCH FIRE PLACE SCREENS.



Nos. 226 to 430.



No. 530.

Plain Style, Fine Mesh, Wire Cloth Panels, Four Fold, Each Fold 13 Inch Wide, Dead Black Finish.

Nos.	226	230
Height, in.	26	30
W't per doz., lbs.	100	120
Per dozen	$64.80	81.60
	CHIJ	DHIE

Rich Gilt Finish.

Nos.	326	330
Height, in.	26	30
W't per doz., lbs.	100	120
Per dozen	$64.80	81.60
	CHIJ	DHIE

Solid Brass, Brushed Finish.

Nos.	426	430
Height, in.	26	30
W't per doz., lbs.	100	120
Per dozen	$181.20	222.00
	ACJCJ	AEIHE

No. 530—Four fold, each 13 in. wide, height 30 in., steel rod frame, heavy woven cloth, mattress weave, dead black finish, w't per doz. 130 lbs., per dozen .....EBEE $87.60

A splendid appearing and very durable fire screen.



Colonial Style, Heavy Frame, with Heavy Close Mesh Wire Cloth Panels, Four Fold, Each Fold 13 Inches Wide, Dead Black, with Polished Black Handles and Knobs.

Nos.	626	630
Height, in.	26	30
W't per doz., lbs.	110	130
Per dozen	$102.00	132.00
	JFABJ	JGIBJ

No. 730—Polished brass, height 30 in., w't per doz. 130 lbs., otherwise same as No. 626..per dozen BAJJJ $291.00

Splendid screens; serviceable as well as ornamental.

ONE IN A PACKAGE.

PORTABLE GRATE BASKETS.



No. 1541-D.



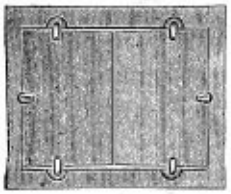
No. 1531-D.

No. 1541-D—Berlin black wrought iron finish, cast, mission front, width of front 24 in., 12 in. deep, dumping bottom, w't each 75 lbs., each .....DBJ $7.00

No. 1531-D—Berlin black wrought iron finish, cast mission front, width of front 24 in., 12 in. deep, dumping bottom, w't each 75 lbs., each .....DBJ $7.00

ONE IN A CRATE.

ASH DUMPS.



No. 1-D—Automatic, double acting, outside measurements 7½x8¾ in., w't per doz. 60 lbs..per dozen DCJ $7.20

For use in bottom of fire place. Opens automatically from weight of ashes.

LOOSE.

FIRE IRONS AND STANDS.



No. 4412.



No. 4409.

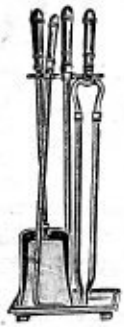
Berlin Black Wrought Iron Finish.

No. 4412—Stand with shovel, tongs, and poker, height 24 in., w't per set 9 lbs., per set .....BEJ $4.20

No. 4409—Stand with shovel, tongs and poker, height 25 in., w't per set 14 lbs.....per set BGJ $4.50



No. 4405.



No. 4414.

Berlin Black Wrought Iron Finish.

No. 4405—Stand with shovel, tongs and poker, height 24 in., w't per set 14½ lbs.....per set CAJ $5.20

No. 4414—Stand with shovel, tongs and poker, height 31 in., w't per set 20 lbs.....per set DBE $7.10

ONE SET IN A PACKAGE.

FIRE IRONS AND STANDS.



No. 274.



No. 279.

No. 274—Polished brass lacquered, round base stand, shovel, tongs and poker, height 24½ in., w't per set 8 lbs.....per set EIE $9.90

No. 279—Polished brass square base stand, shovel, tongs and poker, height 24½ in., w't per set 8 lbs., per set .....JHGJ $12.20



No. 321.



No. 311.

No. 321—Brushed brass square base stand, shovel, tongs, poker and brush, height 24 in., w't per set 10 lbs., per set .....JHAJ $13.50

No. 311—Mission pattern square heads and uprights, solid, brushed brass finish, stand with shovel, tongs and poker, w't per set 12 lbs., per set .....AAEJ $20.00

ONE SET IN A PACKAGE.

KITCHEN FIRE SETS.

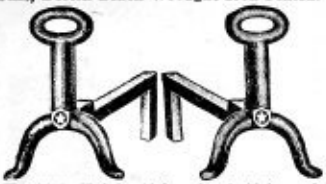


No. 1—Bronzed iron stand, height 17 in., japanned steel shovel with hardwood handle, japanned poker and tongs, w't per doz. sets 90 lbs., per dozen sets ...$17.00 JHGJ

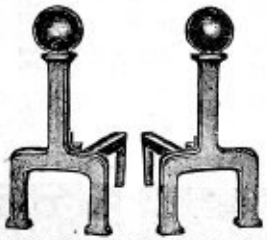
ONE-HALF DOZEN SETS IN A CASE.

ANDIRONS AND FIRE DOGS.

ANDIRONS.
Cast, Berlin Black Wrought Iron Finish.



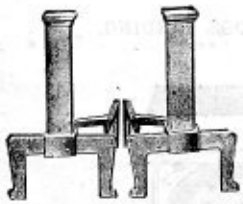
No. 3505—Height 12 in., depth 13 in., w't per pair 9 lbs.....per pair **J I J** $1.50



No. 1912—Height 13¼ in., depth 15 in., w't per pr. 19 lbs., per pair **A C J** $2.20



No. 1975—Height 14½ in., depth 18 in., w't per pr. 17 lbs., per pair **B A E** $3.60



No. 1925—Height 15 in., square shaft, diameter 4½ in., depth 18 in., w't per pr. 18 lbs. .....per pair **B D J** $4.00

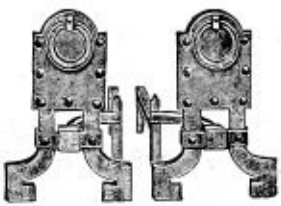


No. 3012—Height 13½ in., depth 13 in., w't per pr. 26 lbs., per pair **B A E** $4.20

ANDIRONS.
Cast, Berlin Black Wrought Iron Finish.



No. 9119—Height 18½ in., diameter of balls 3½ in., depth 18 in., w't per pr. 30 lbs. .....per pair **C F J** $6.00



No. 1940—Height 12½ in., black wrought finish front, with polished brass ring, depth 15½ in., w't per pr. 25 lbs., per pair .....**C F J** $6.00
An antique pattern of very pleasing effect.



No. 1928—Height 13½ in., diameter of ball 7 in., width of foot 8½ in., depth 22½ in., w't per pr. 50 lbs., per pair .....**J F J J** $10.00

FIRE DOGS.



No. 3.

No. 3—Japanned iron, height 16 in., w't per pair 12 lbs., per pair **J H J** $1.36

SIX PAIRS IN A CASE.

ANDIRONS.
Brushed Brass.



No. 716—Brushed brass, height 18 in., depth 15 in., w't per pr. 8 lbs., per pair .....**D B J** $7.00

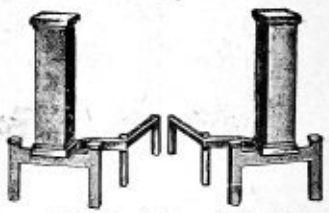


No. 705—Brushed brass, height 10¼ in., depth 18½ in., w't per pr. 12 lbs., per pair .....**J F C J** $10.50
Low pattern, now very popular.



No. 587—Brushed brass, height 20 in., depth 18½ in., circular back legs, w't per pr. 16 lbs...per pair **A B J J** $20.00

Colonial design, cast brass turned smooth, an exceedingly graceful design appreciated by persons of artistic taste.



No. 637—Brushed brass, height 18 in., depth 18½ in., curved legs, w't per pr. 22 lbs. .....per pair **A F H J** 28.00

Mission pattern, large square uprights. The massive appearance of these andirons is in harmony with the modern square brick fire place and mission furniture.

PRINTED LINOLEUMS.

Illustrated in Colors on the Opposite Page.

D GRADE LINOLEUMS.

8x4, or 2 yds. wide, w't per roll approximately 285 lbs.★	per square yard	$0.84
10x4, or 2½ yds. wide, w't per roll approximately 355 lbs.★	per square yard	.84
16x4, or 4 yds. wide, w't per roll approximately 570 lbs.★	per square yard	.95

E GRADE LINOLEUMS.

8x4, or 2 yds. wide, w't per roll approximately 250 lbs.★	per square yard	$0.95
10x4, or 2½ yds. wide, w't per roll approximately 310 lbs.★	per square yard	.75
16x4, or 4 yds. wide, w't per roll approximately 500 lbs.★	per square yard	.90

Approximately 30 running yards in a roll.

Linoleum is peculiarly adapted for a floor covering, especially in the hall, vestibule, bathroom, kitchen, also churches, offices, banks, restaurants, etc. It is elastic, noiseless, not readily stained, sanitary and easily kept clean.

TABLE OIL CLOTH.



Vein.



Wood Grain.



Floral.



Scroll.



Large Check.



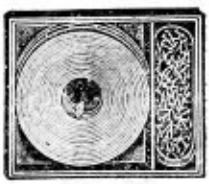
Small Check.

Gold vein, black vein, blue vein, plain white and plain black, w't per roll 11 lbs.	per roll	$3.50
Fancy patterns, w't per roll 11 lbs.	per roll	$3.30

We have a large and attractive assortment of patterns and will send sample book on request. In ordering specify colors desired.

TABLE OIL CLOTH IS 5-4 OR 1¼ YDS. WIDE AND A ROLL CONTAINS 12 LINEAL OR 15 SQ. YDS.

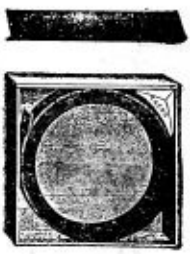
LINOLEUM BINDING.



For Covering Seams in Linoleum.
No. 50—¾ in. brass, w't per doz. boxes 60 lbs., per dozen boxes $48.00

FIFTY YARDS IN A BOX.

LINOLEUM EDGE BINDING.



No. 75—Heavy brass, highly polished, to protect edge of linoleum or cork carpet where exposed, w't per doz. 60 lbs., per dozen boxes $72.00

SEVENTY-FIVE FEET IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*



8007D Printed



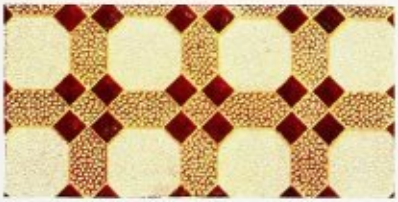
8006D Printed



8001D Printed



8005D Printed



8012D Printed

FARR

&

BAILEY

MFG. CO.



8063D Printed



903E Printed

PRINTED

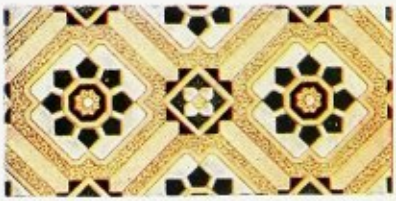
LINOLEUMS



9003E Printed



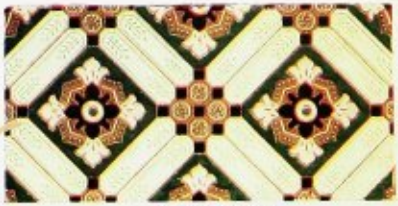
9018E Printed



9058E Printed



9052E Printed



9089E Printed

See Opposite Page.



No. 2009B Inlaid

FARR & BAILEY MFG. CO.



No. 1007A Inlaid



No. 2007B Inlaid



No. 1006A Inlaid



No. 2001B Inlaid

INLAID LINOLEUMS



No. 1025A Inlaid



No. 101 Oil cloth

FLOOR OIL CLOTH



No. 150 Oil cloth



No. 105 Oil cloth



No. 110 Oil cloth

OIL CLOTH RUGS



No. 701 Rug



No. 702 Rug



No. 703 Rug



No. 704 Rug

See Opposite Page.

FLOOR OIL CLOTHS.

Illustrated in Colors on the Opposite Page.

B grade, w't per roll approximately 175 lbs., 2 yds. wide .....per square yard $0.60
D grade, w't per roll approximately 150 lbs., 2 yds. wide .....per square yard .55

Both B and D grades furnished 4x4 or 1 yd., 6x4 or 1⅓ yds., 8x4 or 2 yds. wide. All patterns in rolls of approximately 30 running yards.

OIL CLOTH RUGS.

B Grade.		D Grade.	
4x4, or 1 yd. square .....per dozen	$9.70	**4x4,** or 1 yd. square .....per dozen	$9.20
5x4, or 1¼ yds. square .....per dozen	15.00	**5x4,** or 1¼ yds. square .....per dozen	14.20
6x4, or 1⅓ yds. square .....per dozen	21.60	**6x4,** or 1½ yds. square .....per dozen	20.40
8x4, or 2 yds. square .....per dozen	37.40	**8x4,** or 2 yds. square .....per dozen	36.00

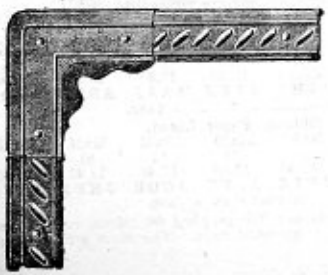
Made on a heavy canvas or burlap backing, on which the filler consisting of best material available for obtaining a smooth surface is applied under pressure, producing the highest wearing quality, and a perfectly smooth surface on which the design is printed.

INLAID LINOLEUMS.

8x4, or 2 yds. wide, A grade, w't per roll approximately 550 lbs. .....per square yard $2.00
8x4, or 2 yds. wide, B grade, w't per roll approximately 475 lbs. .....per square yard 1.80

Inlaid linoleums are most satisfactory for offices, banks, theaters, schools and all floors subject to constant wear. They differ from printed linoleums in that the pattern is made in the fabric and goes clear through to the burlap back.

OIL CLOTH BINDING.



This binding is cut into four strips of equal length to exactly fit square oil cloth rugs 4-4, 5-4, 6-4 and 8-4 yds. in size. These measures have reference to the measurement of one side of rug, consequently for a 6-4 rug it will require 6 yds. of binding.

H. S. B. & Co.'s, Complete with Corners and Brads.

Length, yds.	4	5	6	8
W't per doz., lbs.	3½	4	5	6
Metallic, per dozen $2.40		3.00	3.60	4.80
Brass, per dozen $3.60		4.50	5.40	7.20

The weight given is the average weight.

STOVE BOARDS.

GRECIAN DESIGN.



Square, Wood Lined.

No. 140— Inches	24x24	26x26	28x28	30x30	33x33	36x36
W't, doz., lbs.	95	112	124	148	172	204
Per dozen	$12.30	15.05	17.30	19.40	25.70	30.50
	JFHE	JHCJ	JIEE	AJIJ	ADAE	AFHE

ONE-HALF DOZEN IN A CASE.

Oblong, Wood Lined.

No. 150—Inches...	24x36	26x32	28x34	30x38	32x42
W't per doz., lbs.	138	134	154	182	206
Per dozen	$18.00	17.70	20.30	23.70	28.10
	JIIJ	JIHJ	AABJ	ABIE	AEEE

ONE-HALF DOZEN IN A CASE.

Square, Paper Lined.

No. 145— Inches	24x24	26x26	28x28	30x30	32x32	35x35
W't, doz., lbs. ...	33	40	45	50	58	67
Per dozen	$8.60	9.40	10.50	12.30	13.80	17.90
	DGJ	EAJ	JEGJ	JFGJ	JGEE	JIIJ

ONE DOZEN IN A CASE.

Oblong, Paper Lined.

No. 155—Inches...	24x36	26x30	28x32	30x36	32x42
W't per doz., lbs.	49	44	52	60	75
Per dozen	$13.00	12.50	13.90	15.90	19.50
	JGJJ	JFFE	JGEJ	JHGJ	AJGE

ONE DOZEN IN A CASE.

The above boards have the regular "Crystal" base with a Grecian" design lithographed in red and green, producing a very pleasing effect.

PERSIAN ENAMELED.



Square, Wood Lined.

No. 110—Inches...	26x26	28x28	30x30	33x33	36x36
W't per doz., lbs.	112	124	148	172	204
Per dozen	$14.50	16.80	18.90	25.20	30.00
	JHJE	JIDJ	AJGE	ACIJ	AFFJ

ONE-HALF DOZEN IN A CASE.

Square, Paper Lined.

No. 115— Inches	24x24	26x26	28x28	30x30	32x32	35x35
W't, doz., lbs. ...	33	40	45	50	58	65
Per dozen	$8.10	8.90	10.00	11.80	13.32	17.40
	DEE	EJJ	JEFJ	JFFE	JGEJ	JIHJ

ONE DOZEN IN A CASE.

These stove boards are lithographed in colors, reproducing effects of high grade imported rugs. The most artistic stove boards made.

CRYSTAL FINISH.



Square, Wood Lined.

No. 80— Inches	24x24	26x26	28x28	30x30	33x33	36x36
W't, doz., lbs. ...	95	112	124	148	172	204
Per dozen	$11.80	14.50	16.80	18.90	25.20	30.08
	JFHJ	JHJA	JIDJ	AJGE	ACHE	AFGJ

Oblong, Wood Lined.

No. 90— Inches	18x24	24x36	26x32	28x34	30x38	32x42
W't, doz., lbs. ...	76	138	134	154	182	206
Per dozen	$11.70	17.50	17.20	19.80	23.20	27.60
	JFFJ	JIHJ	JIFE	AAAJ	ABHJ	AEBJ

ONE-HALF DOZEN IN A CASE.

Made in scroll design only, with mottled background.

Square, Paper Lined.

No. 200— Inches	24x24	26x26	28x28	30x30	32x32	35x35
W't, doz., lbs. ...	33	40	45	50	58	67
Per dozen	$8.10	8.90	10.00	11.80	13.32	17.40
	DEE	EJJ	JEFJ	JFFE	JGEJ	JIHJ

ONE DOZEN IN A CASE.

Oblong, Paper Lined.

No. 300—Inches ..	24x36	26x30	28x34	30x36	32x42
W't per doz., lbs.	49	44	52	60	75
Per dozen	$12.50	12.00	13.40	15.40	19.00
	JFIE	JFFE	JGDE	JHFJ	AJFJ

ONE DOZEN IN A CASE.

PERSIAN ENAMELED.



Oblong, Wood Lined.

No. 120—Inches ..	24x36	26x32	28x34	30x38	32x42
W't per doz., lbs.	138	134	154	182	206
Per dozen	$17.50	17.20	19.80	23.20	27.60
	JIHJ	JIFE	AAAJ	ABHE	AEDJ

ONE-HALF DOZEN IN A CASE.

Oblong, Paper Lined.

No. 125—Inches ..	24x36	26x30	28x32	30x36	32x42
W't per doz., lbs.	49	44	52	60	75
Per dozen	$12.50	12.00	13.40	15.40	19.00
	JFIE	JFFE	JGDE	JHFJ	AJFJ

ONE DOZEN IN A CASE.

These stove boards are lithographed in colors, reproducing effects of high grade imported rugs. The most artistic stove boards made.

STOVE POLISH.

BLACK SILK.



Nos. 71 to 77. Nos. 73 to 70.

No. 71—Liquid, in 6 oz. screw top cans, ready for use, w't per gro. 72 lbs., per gross .....AJHJ $18.00
No. 72—Liquid, in 8 oz. screw top cans, ready for use, w't per gro. 92 lbs., per gross .....ADDJ $24.00
No. 77—Liquid, in 1 pt. screw top cans, ready for use, w't per gro. 140 lbs., per gross .....BHHJ $48.00
No. 73—Paste, in 5 oz. friction top cans, w't per gro. 60 lbs., per gross .....AJHJ $18.00
No. 74—Paste, in 8 oz. friction top cans, w't per gro. 76 lbs., per gross .....ADDJ $24.00
No. 70—Paste, in 1 lb. friction top cans, w't per gro. 140 lbs., per gross .....BHHJ $48.00
Produces a silk black gloss of great durability and is waterproof.
ONE-QUARTER GROSS IN A CASE.



No. 75—Paste, in 5 lb. cans, w't per doz. 66 lbs. .....per can JHE $1.40
For dealers' use for polishing sample stoves. Produces a black silky gloss, is dustless, etc.
ONE-HALF DOZEN IN A CASE.

BLACK EAGLE.



No. 7. No. 105.

No. 7—Benzine paste, in ½ lb. cans, w't per gro. 90 lbs., per gross .....AJHJ $18.00
No. 105—Benzine paste, in 5 lb. cans, w't per case 68 lbs., per can DH $0.70
NO. 7, THREE DOZEN; NO. 105, ONE DOZEN IN A CASE.

MARTIN'S E-Z.



No. 51. No. 55.

No. 51—Liquid, in 8 oz. friction cap cans, w't per gro. 92 lbs., per gross .....AJHJ $18.00

No. 55—Paste, in 5 lb. friction top cans, w't per doz. 75 lbs., per can JFJ $1.00
All above naphtha or benzine mixed and intended for use on cold stove only. Dries very quickly and produces a brilliant shine with but little effort.
NOS. 51 AND 53, THREE DOZEN; NO. 55, SIX ONLY IN A CASE.

E. Z. WATER PASTE.



No. 61—In 12 oz. lithographed cans, w't per gro. 100 lbs., per gro. AJHJ $18.00
E. Z. water paste is fire proof and may be used on warm stoves.

BLACK JACK.



Nos. 69 and 69½. No. 91.

No. 69—Fire proof liquid, in 10 oz. tin cans, w't per gro. 100 lbs., per gross .....AJBJ $17.00
No. 69½—Benzine liquid, in 10 oz. tin cans, w't per gro. 100 lbs., per gross .....AJBJ $17.00
No. 91—Fire proof paste, in 12 oz. cans, w't per gro. 120 lbs., per gross .....AJHJ $18.00
The fire proof polish can be used on a warm stove.

BLACKENE.



No. 10. No .85.

No. 10—Benzine liquid, in 10 oz. tin cans, w't per gross 140 lbs., per gross .....JIJJ $15.00
No. 85—Benzine paste, in 5 lb. cans, w't per case 70 lbs. ....per can DJ $0.70
NO. 10, ONE-QUARTER GROSS; NO. 85, ONE DOZEN IN A CASE.

ENAMELINE.



No. 100—Liquid, in 10 oz. tin cans, w't per gro. 140 lbs., per gro. JIJJ $15.00
No. 4—Water paste, small, w't per gro. 56 lbs. .....per gross EDJ $9.00
No. 6—Water paste, large, w't per gro. 84 lbs. .....per gross JHFE $14.40
ONE-QUARTER GROSS IN A CASE.

A-B.



No. 28—Liquid, in 8 oz. tin cans, screw tops, w't per gro. 125 lbs., per gross ABJJ $30.00
ONE-QUARTER GROSS IN A BOX.

RISING SUN.



Rising Sun, 4 in. cakes, w't per gro. 75 lbs. .....per gross AJAJ $16.00
ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A CASE.

DIXON'S.



Dixon's, 4 in. cakes, w't per gro. 68 lbs., per gross .....JFFJ $11.00

MISCELLANEOUS STOVE PREPARATIONS.

PLUMBAGO AND BLACK LEAD.

DIXON'S.



No. 9—Black lead, in 25 lb. boxes, per pound .....JG $0.13
No. 10—Plumbago, in 25 lb. boxes, per pound .....AB $0.20

Used for making stove polish or by mixing with linseed oil for graphite paint.

LUBRICATING GRAPHITE.





Nos. 632 to 644. Nos. 1 to 25.

DIXON'S FLAKE.

	Grade 1.	Grade 2.
No. 632—1 lb. cans, each	$0.70 DE	.70 DE
No. 633—5 lb. cans, each	$3.00 AHJ	3.00 AHJ
No. 644—25 lb. boxes, each	$11.00 JFFJ	11.00 JFFJ

Flake Graphite forms a coating on the metalic surfaces, which brings about a reduction of the solid friction between those surfaces. The minute flakes fill up all depressions and bring the surfaces of the bearings much nearer a state of perfect smoothness.

Grade 1 is standard flake and is intended for the great majority of uses; grade is fine flake for valves and very delicate parts.

NO. 632, THIRTY-SIX; NO. 633, TEN AND NO. 644, ONE IN A CASE.

MEXICAN POWDER.

No. 1—1 lb. cans.....each BJ $0.35
No. 5—5 lb. cans.....each JIJ 1.50
No. 10—10 lb. cans.....each AGJ 2.80
No. 25—25 lb. cans, per pound AB .20

Air floated graphite powder, impalpably fine and absolutely free from grit. It will remain perfectly suspended in oil for an indefinite period, thus feeding through any lubricator without clogging. Graphite if regularly mixed with lubricants will very much reduce the oil consumption. If mixed with linseed oil, air floated graphite makes a splendid graphite paint for painting boiler fronts, etc.

NO. 1, THIRTY; NO. 5, TWELVE; NO. 10, SIX AND NO. 25, TWO IN A CASE.

STOVE PIPE ENAMEL.



Jet Black, Permanent and Elastic.

½ pt. cans, with brush, w't per doz. 7 lbs.....per dozen ADE $2.40
1 gal. cans, w't 8 lbs., per gallon .....AAJ $1.80
¼ pt. cans, without brushes, ten cent size, w't per doz. 5 lbs., per dozen .....JHJ $1.20

Dries with a brilliant lustre. Prepared especially for gas stoves, boilers, smoke-stacks, registers, furnaces, ventilators, radiators, sewing machines, machinery, and all iron work where a bright gloss black is required. Will not turn dull, crack, scale or rub off, and will resist heat.

ONE DOZEN IN A HANDSOME BOX, WITH HINGED COVER; ONE-QUARTER PINT CANS WITHOUT HINGED COVER.

RANGE AND IRON ENAMEL.





No. 76-D—Black Silk, in ½ pt. friction top cans, with good brushes, w't per gro. 100 lbs....per gross AHJ J $30.00

BONNELL'S NUBIAN, ½ pt. cans with brush, w't per gro. 100 lbs., per gross .....BAFJ $39.60

ONE DOZEN IN A CASE.

STOVE ENAMEL.





No. 43-D—Aluminum, liquid, in 4 oz. friction top cans, w't per gro. 65 lbs., per gross .....BHHJ $48.00

Aluminum preparations are mixed ready for use. For stove trimmings, radiators, gas ranges, lawn mowers, plumbing, etc.

No. 654-D—21 oz. friction top cans, per gross .....AHJ J $36.00

Black-Lusta Enamel is a very thin preparation of great covering capacity and which dries very quickly.

Especially adapted for gas ranges, stove pipes, window screens, etc.

ONE QUARTER GROSS IN A CASE.

SOOT DESTROYER.



No. 1—Anti-Carbon, in 1½ lb. packages, 48 packages in a case, w't per case 80 lbs.....per case EDJ $9.60
No. 2—Anti-Carbon, assorted, 24 only 1½ lb. packages and 12 only 3 lb. packages in a case, w't per case 80 lbs.....per case EAJ $8.50
No. 3—Anti-Carbon, in 3 lb. packages, 24 packages in a case, w't per case 78 lbs.....per case DHJ $8.00

Anti-Carbon Soot Destroyer is a composition which when sprinkled on the red hot coals, creats and expels hot chemical fumes which destroy all soot in the stove, pipes and chimney.

STOVE OR FIRE CLAY.





Nos. 3-D to 10-D. Nos. 31-D to 101-D.

RUTLAND.

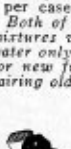
No. 3-D—Packages of about 3 lbs., 24 packages in a case, per case .....BCE $3.96
No. 6-D—Packages of about 5 lbs., 24 packages in a case, per case .....CIE $6.60
No. 10-D—Packages of about 10 lbs., 24 packages in a case, per case .....EEE $9.24
Bulk, in bags of 100 lbs. or bbls. of about 400 lbs., per 100 lbs. BJJ $3.30

RIVAL.

No. 32-D—Packages of about 3 lbs., 24 packages in a case, per case .....ABJ $1.98
No. 62-D—Packages of about 5 lbs., 24 packages in a case, per case .....BJJ $3.30
No. 102-D—Packages of about 10 lbs., 24 packages in a case, per case .....BGE $4.62

Both of above are durable, fire proof mixtures which require the addition of water only to make a splendid stove clay for new fire box linings as well as repairing old ones.

STOVINK.



Stovink is not polish, it is an ink or dye. Will withstand heat better and last longer than any other preparation yet discovered. To be used on stove lids which have been burned red, also on the grates for gas, gasoline and oil cook stoves where stove polish will not stick.

No. 34-D—In 4 oz. glass bottles with complete directions, w't per gross 80 lbs. .....per gross BHHJ $48.00

ONE DOZEN IN A PACKAGE; ONE-QUARTER GROSS IN A CASE.

TIN PLATE AND ROOFING TIN.

BRIGHT TIN PLATES.



CALVIN, Charcoal, Tissue Paper Packed.

IC—20x28 in., 30 gauge, 112 sheets, w't 214 lbs. .....per box $

IX—20x28 in., 28 gauge, 112 sheets, w't 270 lbs. .....per box $

IXX—20x28 in., 27 gauge, 56 sheets, w't 155 lbs. .....per box $

IXXX—20x28 in., 26 gauge, 56 sheets, w't 175 lbs. .....per box $

IXXXX—20x28 in., 25 gauge, 56 sheets, w't 195 lbs. .....per box $

CHARCOAL, Plate.

IX—"AAA"—20x28 in. ...per box $

MOHAWK, Charcoal.

IC—20x28 in., 30 gauge, 112 sheets, w't 214 lbs. .....per box $

IX—20x28 in., 28 gauge, 112 sheets, w't 270 lbs. .....per box $

IXX—20x28 in., 27 gauge, 56 sheets, w't 155 lbs. .....per box $

IXXX—20x28 in., 26 gauge, 56 sheets, w't 175 lbs. .....per box $

Coke.

IC—20x28 in., 31 gauge, 112 sheets, w't 180 lbs. .....per box $

IC—20x28 in., 30½ gauge, 112 sheets, w't 200 lbs. .....per box $

IC—20x28 in., 30 gauge, 112 sheets, w't 214 lbs. .....per box $

IX—20x28 in., 28 gauge, 112 sheets, w't 270 lbs. .....per box $

TANDEM ROOFING TIN.



Diamond A.

14 in. Plain.....per sq.	**BHJ**	$4.70
14 in. Painted 1 Side, per sq.	**CJJ**	5.00
14 in. Painted 2 Sides, per sq.	**CBJ**	5.30
20 in. Plain.....per sq.	**BHJ**	4.70
20 in. Painted 1 Side, per sq.	**CJJ**	5.00
20 in. Painted 2 Sides, per sq.	**CBJ**	5.30

MADE OF LONG TERNE SHEETS, LOCKED AND SOLDERED, 100 SQ. FT. IN A ROLL, W'T PER ROLL 47 LBS.

BRIGHT TIN PLATES.



Boiler Tin, Tissue Paper Packed.

IX—14x28 in., 100 sheets per case, w't per 100 sheets 173 lbs., per box $

IXX—14x28 in., 100 sheets per case, w't per 100 sheets 196 lbs., per box $

IXX—14x60 in., 100 sheets per case, w't per 100 sheets 436 lbs., per box $

Milk Can and Cheese Vat, Tissue Paper Packed.

IXXXXXX—40x96 in., 25 sheets per case, w't per 100 sheets 3300 lbs., per hundred pounds .....$

IXXXXXX—40x87 in., 25 sheets per case, w't per 100 sheets 2900 lbs., per hundred pounds .....$

IXXXXXX—40x58 in., 25 sheets per case, w't per 100 sheets 2060 lbs., per hundred pounds .....$

IXXXX—36x84 in., 25 sheets per case, w't per 100 sheets 2060 lbs., per hundred pounds .....$

IXXXX—30x72 in., 25 sheets per case, w't per 100 sheets 1327 lbs., per hundred pounds .....$

IXXXX—28x59 in., 50 sheets per case, w't per 100 sheets 1110 lbs., 50 gal. cans .....per hundred pounds $

IXXXX—28x49 in., 50 sheets per case, w't per 100 sheets 910 lbs., 30 gal. cans .....per hundred pounds $

IXXXX—20x60 in., 50 sheets per case, w't per 100 sheets 754 lbs., 20 gal. cans .....per hundred pounds $

IXXXX—20x44 in., 50 sheets per case, w't per 100 sheets 568 lbs., per hundred pounds .....$

Furnace Coke.

IC—20x20½ in., 31 gauge, 112 sheets, w't 189 lbs., for 9 in. pipe ..per box $

IC—20x32½ in., 31 gauge, 112 sheets, w't 209 lbs., for 10 in. pipe, per box $

IX—20x32½ in., 28 gauge, 112 sheets, w't 297 lbs., for 10 in. pipe, per box $

IC—20x39½ in., 31 gauge, 56 sheets, w't 142 lbs., for 12 in. pipe, per box $

IX—20x39½ in., 28 gauge, 56 sheets, w't 200 lbs., for 12 in. pipe, per box $

Waster sheets of furnace coke can be furnished at a slight reducion in price.

The weights given are net without boxes.

We break boxes on the following, at an additional charge per box to cover cost of packing.

IX—14x28 Calvin.
IXX—14x28 Calvin.
IC—20x28 Calvin.
IX—20x28 Calvin.
IXX—20x28 Calvin.
IXXX—20x28 Calvin.
IXXXX—20x28 Calvin.
IC—20x28 Niagara.

ROOFING TIN.



40 Pound Coating.

IC—20x28 in., 30 gauge, 112 sheets, w't without box 240 lbs., per box .....$

IX—20x28 in., 28 gauge, 112 sheets, w't without box 300 lbs., per box .....$

Made from black sheets of genuine charcoal iron, free from impurities. Each sheet is thoroughly cleaned and all traces of acid removed and then perfectly coated by the palm oil process.

SPENCER OLD PROCESS, Highest Possible Grade, Resquared and Branded, 40 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 240 lbs., per box $

IX Tin—20x28 in., 28 gauge, 112 sheets, w't without box 300 lbs., per box $

These plates are allowed to absorb all the metal they possibly can, and are not passed either through the grease pot or patent rolls to reduce the coating. Ordinary brands of roofing plates have from 8 to 10 lbs. of coating on a box of 20x28, while our Old Process has 40 lbs.

LYFORD'S NEW METHOD, Resquared and Branded, 20 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 225 lbs., per box $

IX Tin—20x28 in., 28 gauge, 112 sheets, w't without box 285 lbs., per box $

"A" OLD STYLE, Resquared and Branded, 20 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 224 lbs., per box $

IX Tin—20x28 in., 28 gauge, 112 sheets, w't without box 280 lbs., per box $

PONDULAIS, Resquared and Branded, 12 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 216 lbs., per box $

IX Tin—20x28 in., 28 gauge, 112 sheets, w't without box 272 lbs., per box $

DAFENS, Resquared and Branded, 8 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 216 lbs., per box $

IX Tin, 20x28 in., 28 gauge, 112 sheets, w't without box 272 lbs., per box $

NIAGARA, 8 Pound Coating.

IC Tin—20x28 in., 30 gauge, 112 sheets, w't without box 216 lbs., per box $

IX Tin—20x28 in., 28 gauge, 112 sheets, w't without box 272 lbs., per box $

IROQUOIS, 8 Pound Coating.

IC Tin, 20x28 in., 30 gauge, 112 sheets, w't without box 200 lbs., per box $

14x20 in. sheets can be furnished if desired. For shipping weight, add 12 lbs. for box 20x28 in.

SHEET ZINC, STEEL, IRON AND ROOFING.

SHEET ZINC.



Nos.	9	9	9
Size, in.	24x84	26x84	28x84
W't per cask, lbs.	600	600	600
Per hundred pounds	$		
Nos.	**9**	**9**	**9**
Size, in.	30x84	32x84	34x84
W't per cask, lbs.	600	600	600
Per hundred pounds	$		
Nos.	**9**	**9**	**9**
Size, in.	36x84	36x84	36x84
W't per cask, lbs.	600	300	200
Per hundred pounds	$		
Nos.	**9**		**12**
Size, in.	36x84		36x84
W't per cask, lbs.	100		600
Per hundred pounds	$		

Additional charge is made for casks containing less than 600 lbs., and for sheets.

For table of weights and gauges of sheet zinc, see page 970.

No. 7—30x50 in., for covering kitchen tables, w't per sheet 4½ lbs., per hundred pounds .....$

SHEET STEEL.



Common, One Pass Cold Rolled.

No. 16—24, 28 and 30x96 in., per hundred pounds .....$
No. 18—24, 28 and 30x96 in., per hundred pounds .....$
No. 20—24, 28 and 30x96 in., per hundred pounds .....$
No. 22—24, 28 and 30x96 in., per hundred pounds .....$
No. 24—24x101 and 30x96 in., per hundred pounds .....$
No. 26—24x101 in., per hundred pounds .....$
No. 27—24x101 in., per hundred pounds .....$
No. 28—24x101 in., per hundred pounds .....$
No. 29—24x101 in., per hundred pounds .....$

Three Pass Cold Rolled, Uniform Color.

No. 26—24x101 in., per hundred pounds .....$
No. 27—24x101 in., per hundred pounds .....$
No. 28—24x101 in., per hundred pounds .....

COLUMBIA, Polished.

No. 24—28x101 in., per hundred pounds .....$
No. 26—28x101 in., per hundred pounds .....$
No. 27—28x101 in., per hundred pounds .....$
No. 28—28x101 in., per hundred pounds .....$
No. 28—24x101 in., per hundred pounds .....$

SHEET IRON.



JUNIATA, Galvanized.

No. 16—24, 28 and 30x96 in., per hundred pounds .....$
No. 18—24, 28 and 30x96 in., per hundred pounds .....$
No. 20—24, 28, 30 and 36x96 in., per hundred pounds .....$
No. 22—24, 28, 30 and 36x96 in., per hundred pounds .....$
No. 24—24, 28, 30 and 36x96 in., per hundred pounds .....$
No. 26—24, 26, 28, 30 and 36x96 in., per hundred pounds .....$
No. 27—24, 26, 28, 30 and 36x96 in., per hundred pounds .....$
No. 28—24, 26, 28, 30 and 36x96 in., per hundred pounds .....$
No. 30—28 and 30x96 in., per hundred pounds .....$

For U. S. Standard gauges of sheet steel, see table page 970.

APPROXIMATE W'T PER BUNDLE, 160 LBS.

SHEET IRON.



WOODS' Refined, Both Sides Smooth.

No. 20—24, 28 and 30x96 in., per hundred pounds .....$
No. 22—24, 28 and 30x96 in., per hundred pounds .....$
No. 24—24x101, and 24, 28 and 30x96 in., per hundred pounds .....$
No. 26—24x101, and 24, 28 and 30x96 in., per hundred pounds .....$
No. 27—24x101, and 24, 28 and 30x96 in., per hundred pounds .....$
No. 28—24x101 in., per hundred pounds .....$

Charcoal, Smooth.

No. 20—24, 28 and 30x96 in., per hundred pounds .....$
No. 22—24, 28 and 30x96 in., per hundred pounds .....$
No. 24—24, 28 and 30x96 in., per hundred pounds .....$
No. 26—24, 28 and 30x96 in., per hundred pounds .....$
No. 27—24, 28 and 30x96 in., per hundred pounds .....$

For U. S. Standard gauges of sheet iron, see page 970.

PLANISHED IRON.



WOODS'.

Gauge	28	27	26
W't per sheet, lbs.	9	9½	10
A grade, per hundred pounds	$		
B grade, per hundred pounds	$		
Gauge			**24**
W't per sheet, lbs.			10¾
A grade, per hundred pounds			$

"A" grade is 28x60 in., all sheets full size. "B" grade is 28 in. wide but varies in length below 60 in.

PACKED IN SHEET IRON CASES OF ABOUT 240 LBS. EACH.

23 Gauge—Planished iron jacket for locomotives, 28x50, 60, 72 and 84 in., for mill shipment★ per hundred pounds .....$

For U. S. Standard gauges of sheet iron, see table page 970.

SHEET STEEL ROOFING.



Roll and Cap.

Painted—28 gauge, approximate w't per roll 77 lbs.★ .....per roll $

Galvanized—28 gauge, approximate w't per roll 93 lbs.★.....per roll $
Heavier gauges furnished if desired.

The distinctive feature of this roofing is the locking of the cleats into the cap, which holds it firmly to the standing seam. The construction is simple, and is easily and rapidly laid. The metal caps are made in 2 to 6 ft. lengths, which we furnish with each square, cleats included. Each roll is 50 ft. long; the covering width is 24 in., and will lay 100 sq. ft. on building.

Caps and cleats shipped unless otherwise instructed.

Tools necessary to lay are: 1 edging tong, 1 cap seamer, 1 pair snips. These are charged for when sent and if returned in good order, free of expense to us, we will refund the full amount.

★FOR FACTORY SHIPMENT ONLY.

ROOFING, SIDING, CAPPING AND SHINGLES.

CORRUGATED STEEL ROOFING AND SIDING.★



2½ Inch Corrugations, 26 Inches Wide, 6, 7, 8, 9 and 10 Feet Long.

Gauge	29	28	27
Painted, approx. w't per sq., lbs.	..	68	76
Galv., approx. w't per sq., lbs.	77	85	91
Gauge	26	24	22
Painted, approx. w't per sq., lbs.	83	110	136
Galv., approx. w't per sq., lbs.	98	124	151

1¼ Inch Corrugations, 25½ Inches Wide, 6, 7, 8, 9 and 10 Feet Long.

Gauge	29	28	27
Painted, approx. w't per sq., lbs.	..	72	79
Galv., approx. w't per sq., lbs.	79	87	94
Gauge		26	24
Painted, approx. w't per sq., lbs.		86	114
Galv., approx. w't per sq., lbs.		101	129

FLAT STEEL ROOFING.★



Pressed Standing Seam, 24 Inches Wide, 5, 6, 7, 8, 9 and 10 Feet Long.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	73
Galv., approx. w't per sq., lbs.	77	87
Gauge	27	26
Painted, approx. w't per sq., lbs.	79	86
Galv., approx. w't per sq., lbs.	94	101

Tools necessary are, squeezers, shears, hammer and end lock turner.
Galvanized cleats furnished if desired.



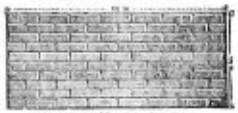
Two V Crimped, 24 Inches Wide, 6, 7, 8, 9 and 10 Feet Long.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	70
Galv., approx. w't per sq., lbs.	77	85
Gauge	27	26
Painted, approx. w't per sq., lbs.	76	83
Galv., approx. w't per sq., lbs.	91	98

Three V Crimped, 24 Inches Wide, 6, 7, 8, 9 and 10 Feet Long.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	72
Galv., approx. w't per sq., lbs.	80	88
Gauge	27	26
Painted, approx. w't per sq., lbs.	79	86
Galv., approx. w't per sq., lbs.	95	102

Wooden Strips—For applying the above, per square ..... $

Wooden strips serve as a support for the V shaped crimp and also provide base for nailing metal to roof.

PRESSED STEEL BRICK AND STONE SIDING.★



Sheets 28x60 Inches.

Plain Brick, Size 2 4-5x8¼ Inches.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	64
Galv., approx. w't per sq., lbs.	72	78
Gauge	27	26
Painted, approx. w't per sq., lbs.	71	77
Galv., approx. w't per sq., lbs.	85	91



Brick.



Stone.

Sheets 28x60 Inches.

Rock-Face Brick, Size 2 4-5x8¼ Inches.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	64
Galv., approx. w't per sq., lbs.	73	78
Gauge	27	26
Painted, approx. w't per sq., lbs.	71	77
Galv., approx. w't per sq., lbs.	85	91

In ordering plain or rock face brick siding, allow 4 to 6 sq. ft. to the 100 for laps.

Sheets 28x60 Inches.

Rock-Face Stone, Size 7x12 Inches.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	64
Galv., approx. w't per sq., lbs.	73	78
Gauge	27	26
Painted, approx. w't per sq., lbs.	71	77
Galv., approx. w't per sq., lbs.	85	91

PRESSED STEEL BEADED CEILING AND SIDING.★



9 Beads and 8 Spaces in a Sheet, in 5, 6, 7, 8, 9 and 10 Foot Sheets.		
Gauge	29	28
Painted, approx. w't per sq., lbs.	..	70
Galv., approx. w't per sq., lbs.	78	85
Gauge	27	26
Painted, approx. w't per sq., lbs.	76	83
Galv., approx. w't per sq., lbs.	91	98

Can be applied perpendicularly or horizontally to boards, or crossed lath set the proper distance apart, or over plastered ceilings. Eight foot sheets shipped unless otherwise specified.

★*FOR FACTORY SHIPMENT ONLY.*

BOARD SIDING.★



Beads and 5 Spaces in a Sheet, in 5, 6, 7, 8, 9 and 10 Foot Sheets.

Gauge	29	28
Painted, approx. w't per sq., lbs.	..	75
Galv., approx. w't per sq., lbs.	81	91
Painted, per square .....$		
Galv., per square .....$		
Gauge	27	26
Painted, approx. w't per sq., lbs.	82	89
Galv., approx. w't per sq., lbs.	98	106
Painted, per square .....$		
Galv., per square .....$		

Used extensively as siding on frame buildings. Cheap, durable and fireproof and a desirable substitute for wooden weather boarding.

CORRUGATED STEEL ROOF CAPPING.★



Steel.

28 Gauge—V shaped, per lineal foot	Painted. $	Galv. $



Steel.

28 Gauge—Ridge roll, per lineal foot	Painted. $	Galv. $

Specify corrugation desired.

STEEL SHINGLES.



Star Hip, Painted.
4x7 in., w't per 100, 13½ lbs., per 100 $
4x9 in., w't per 100, 16½ lbs., per 100
250 IN A CRATE.

Star Hip, Galvanized.
4x7 in., w't per 100, 17½ lbs., per 100 $
4x9 in., w't per 100, 23½ lbs., per 100
250 IN A CRATE.

Flat Tin, Plain, Painted.
5x7 in., w't per 100, 12½ lbs., per 100 $
5x9 in., w't per 100, 17 lbs., per 100
250 IN A CRATE.

TABLES.

TABLE SHOWING COST OF TIN ROOFING.

¼ Inch Standing Seam. Size 20x28.		1 Inch Standing Seam. Size 20x28.		Flat Seam. Size 20x28.	
Price of Tin Per Box.	Cost Per Square	Price of Tin Per Box.	Cost Per Square	Price of Tin Per Box.	Cost Per Square
$ 8.00	$2.10	$ 8.00	$2.15	$ 8.00	$2.01
8.50	2.23	8.50	2.28	8.50	2.13
9.00	2.37	9.00	2.41	9.00	2.26
9.50	2.50	9.50	2.55	9.50	2.38
10.00	2.63	10.00	2.68	10.00	2.51
10.50	2.76	10.50	2.81	10.50	2.63
11.00	2.89	11.00	2.95	11.00	2.76
11.50	3.02	11.50	3.08	11.50	2.88
12.00	3.15	12.00	3.21	12.00	3.02
12.50	3.29	12.50	3.35	12.50	3.13
13.00	3.42	13.00	3.48	13.00	3.26
13.50	3.55	13.50	3.62	13.50	3.38
14.00	3.68	14.00	3.75	14.00	3.51
14.50	3.81	14.50	3.89	14.50	3.64
15.00	3.94	15.00	4.02	15.00	3.76
15.50	4.07	15.50	4.15	15.50	3.89
16.00	4.20	16.00	4.29	16.00	4.01
16.50	4.33	16.50	4.42	16.50	4.14
17.00	4.47	17.00	4.55	17.00	4.26
17.50	4.60	17.50	4.69	17.50	4.39
18.00	4.73	18.00	4.82	18.00	4.52
18.50	4.86	18.50	4.96	18.50	4.64

The above table shows the cost of tin required in laying one square (100 square feet) of roofing with 20x28 tin. The figures do not include the cost of solder and labor.

TABLE SHOWING GAUGE AND WEIGHT OF SHEET ZINC.

Nos.	U. S. Standard Gauge.	W't per Sq. Ft., lbs.	W't per Sheet, 36x84 lbs.
8	28	.60	12.60
9	26	.67	14.07
10	25	.75	15.75
11	24	.90	18.90
12	23	1.05	22.05
13	21	1.20	25.20
14	20	1.35	28.35
15	19	1.50	31.50
16	18½	1.68	35.28
17	18	1.87	39.27
18	17	2.06	43.26
19	16	2.25	47.25

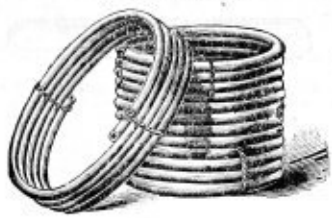
U. S. STANDARD GAUGES AND WEIGHTS OF GALVANIZED SHEET STEEL.

Gauge.	W't per Square Foot in Ounces.	W't per Square Foot in Pounds.
16	42.5	2.656
18	34.5	2.156
20	26.5	1.656
22	22.5	1.406
24	18.5	1.156
26	14.5	.9062
27	13.5	.8437
28	12.5	.7812
29	11.5	.7187
30	10.5	.6562

NUMBER OF SHEETS IN A BUNDLE OF STEEL AND IRON.

Nos.	24 in. Wide.	28 in. Wide.	30 in. Wide.
16	4	3	3
18	5	4	4
20	6	5	5
22	7	6	6
24	9	8	7
26	12	11	10
27	13	12	11
28	15	13	12
29	16	14	13
30	18	16	15

LEAD PIPE.



Inside Diameter, Inches	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1½	2
Extra Light—W't per ft., lbs.	⅔	¾	1¼	1½	2	2	2½	3½	3¾	4
Average length, ft.	155	235	140	115	85	85	70	42	40	40
Light—W't per ft., lbs.	¾	1	1⅜	2	2½	2½	3	4	4½	5
Average length, ft.	235	175	100	85	70	70	55	40	35	30
Medium—W't per ft., lbs.	1	1¼	2	2½	3	3½	3¾	5	5½	7
Average length, ft.	175	140	85	75	53	53	48	32	28	22
Strong—W't per ft., lbs.	1½	1¾	2½	3	3½	4	4½	6	6½	8
Average length, ft.	120	100	70	58	43	43	35	36	23	18

All Sizes, in full coils of about 200 lbs. ..... per 100 pounds $14.00
All Sizes, in cut lengths ..... per 100 pounds 15.00

Lead pipe is wrapped to prevent damage in shipping, and we charge extra for this special wrapping, at same rate that factory charges us. Usually about 15 cents per package.

LEAD TRAPS.



Drawn Lead, "Full S," Standard Weight		
Diameter, inches	1¼	1½
Inlet, in.	4½	4½
Outlet, in.	6¼	7
Weight, lbs.	3	4¼
Each	$0.58	.90

SHEET LEAD.

W't per sq. ft., lbs.	Approximate thickness in fractions of one inch	Actual thickness in 1000th part of one inch	Nearest number B. &S. wire gauge.
2	1/128	.032	20F
2½	1/104	.040	18
3	5/104	.048	16F
3¼	13/250	.053	16F
3½	7/128	.057	15
4	1/104	.096	14F
4½	9/128	.075	13F
5	5/64	.082	12F
6	3/32	.058	10S
7	7/64	.115	9F
7½	1/8	.123	8S
8	1/8F	.131	8F
9	9/64	.145	7
10	5/32	.164	6
11	11/64	.180	5
12	3/16	.198	4S
13	13/64	.214	3F
14	7/32	.230	3
15	¼	.248	2S

Rolls of sheet lead average 20 ft. in length and from 7 to 9 ft. in width. Special sizes and weights made to order on short notice.

per 100 lbs. .....$

PIG LEAD AND TIN.



Lead, Large Pigs, w't about 100 lbs., per 100 lbs. .....$

Tin, Large Pigs, w't about 100 lbs., per 100 lbs. .....$

Tin, Small Pigs, w't about 25 lbs., per 100 lbs. .....$

BAR LEAD.



Lead, in Bars, w't about 5 oz. each, per 100 lbs. .....$

IN 25 AND 50 LB. BOXES.

HOOP IRON.

Width, in.	¾	¾	⅞
Gauge	22	2	20
Per 100 lbs. .....$			
Width, in.	1	1¼	1½
Gauge	20	19	19
Per 100 lbs.....$			

1½ IN. 19 GAUGE, IN 50 AND 100 LB. COILS ONLY; ALL OTHER SIZES IN 25, 50 AND 100 LB. COILS. WE DO NOT BREAK COILS.

★FOR FACTORY SHIPMENT ONLY.

CHARCOAL.



Bags, of about 3 bu., w't 50 lbs., per bushel★ $0.30

BRAZIERS' RODS.

Per Pound.

⅛ in., length about 10 ft.....$
¼ in., length about 10 ft.....

ABOUT 25 LBS. IN A BUNDLE.

COPPER, SOLDER, LEAD, CHARCOAL, ETC.

SHEET COPPER.

Cold Rolled and Polished, Tinned One Side. Per Pound.

14 oz.—14x48, 14x56, 14x60 in. .....$

14 oz.—30x60 in. .....

16 oz.—14x60, 30x60 in.....

Soft Sheathing, Tinned One Side.

14 oz.—14x48, 30x60 in.....$

16 oz.—14x48, 30x60 in. .....

Cold Rolled Cornice, not Tinned.

14 oz.—30x60, 24x96, 30x96 in. .....$

14 oz.—36x96 in. .....

16 oz.—30x60, 24x96, 30x96, 36x96 in. .....

BOILER BOTTOMS.

Oval Flat. Per Pound.

No. 8—14 oz., regular pattern, 12x22¾ in. .....$

No. 8—14 oz., St. Louis pattern, 12⅞x22⅛ in. .....

No. 9—14 oz., regular pattern, 12⅜x23¾ in. .....

No. 9—14 oz., St. Louis pattern, 13⅞x24¾ in. .....

Round Flat.

No. 8—14 oz., diameter 10½ in.....$

No. 9—14 oz., diameter 11½ in.....

TABLE OF WEIGHTS AND GAUGES.

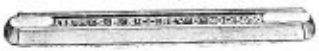
Stubs' Gauge, nearest No.	Thickness in decimal parts of one inch.	Oz. per square foot.	Sheets 14x48, w't in lbs.	Sheets 24x48, w't in lbs.	Sheets 30x60, w't in lbs.	Sheets 36x72, w't in lbs.
35	.00537	4	1.16	2	3.12	4.50
33	.00806	6	1.75	3	4.68	6.75
31	.0107	8	2.33	4	6.25	9
28	.0134	10	2.91	5	7.81	11.25
27	.0161	12	3.50	6	9.37	13.50
26	.0188	14	4.08	7	10.93	15.75
25	.0215	16	4.66	8	12.50	18
24	.0242	18	5.25	9	14.06	20.25
22	.0269	20	5.83	10	15.62	22.50
21	.0322	24	7	12	18.75	27
19	.0430	32	9.33	16	25	36
18	.0538	40	11.66	20	31.25	45
16	.0645	48	14	24	37.50	54
15	.0754	56	16.33	28	43.75	63
14	.0860	64	18.66	32	50	72

SOLDER.



No. 100—Highest quality extra refined tinners' solder, warranted half and half, guaranteed 50 lbs. each, new lead and new tin in a hundred, in special handy bars weighing 1 lb. each.....per pound $

50 LBS. IN A CASE. WE DO NOT BREAK CASES.



No. XXX—Refined Tinners' Solder, warranted half and half, guaranteed 50 lbs. each lead and tin in a hundred, 13x⅞x½ in. standard bars, weighing approximately 1½ lbs. each, per lb. .....$



No. T—Triangular, Refined Tinners' Solder, warranted half and half, guaranteed 50 lbs. each lead and tin in a hundred. In triangular bars, ⅞ in. diameter, 13 in. long, weighing approximately ¾ lb. each .....per lb. $



No. AA — Il-a-noy, Galvanized-Iron-Workers Solder, so-called half and half, guaranteed 48 lbs. tin and 52 lbs. lead in a hundred, 13x⅞x½ in. standard bars, weighing approximately 1½ lbs. each .....per lb. $



No. 1—Cruso, Plumbers' Solder, guaranteed 40 lbs. tin and 60 lbs. lead in a hundred, in 13x⅞x½ in. standard bars, weighing approximately 1½ lbs. each, per lb. .....$

100 LBS. IN A BOX.



No. 10—Wire, No. 10 gauge, 50-50, tin and lead.....per pound $

Spools charged for at cost, returnable for credit.

ON 25 LB. SPOOLS.

BABBITT METAL.



No. R—Special high grade anti-friction metal, for all general bearing work, light or heavy pressure, fast or slow speed, positively the best for all round use, in flat rectangular bars, w't about 4 lbs. .....per pound $

Babbitt is made of selected new metals, double refined, and mixed in accurate proportions for uniform and dependable work. Superior in anti-friction and anti-compression qualities to most of the highest priced, so-called "genuine" babbitts. Equally suitable for light bearings, or for heavy duty, high speed machinery.



No. 5—Tony, guaranteed 15% antimony and 85% lead, in five part standard bars, about 10½x1⅞x1½ in. w't per bar about 7 lbs. .....per lb. $

No. 4½—Cruso, guaranteed 12% antimony and 88% lead, in five part standard bars, about 10½x1⅞x1½ in., w't per bar, about 7 lbs.....per lb. $

No. 4—Standard, guaranteed 7% antimony and 93% lead, in five part standard bars, about 10½x1⅞x1½ in., w't per bar about 7 lbs. .....per lb. $

IN 56 LB. BOXES.

★*FOR FACTORY SHIPMENT ONLY.*

EAVES TROUGH, PIPE AND TRIMMINGS.

EAVES TROUGH.



Lap Joint, Single Bead. Galvanized Steel, 10 Foot Lengths, No. 26 Gauge.

Inches	3½	4	5	6
W't per crate, lbs.	155	170	225	260
Per 100 feet	$20.00	22.00	25.00	30.00

Galvanized Steel, 10 Foot Lengths, No. 29 Gauge.

Inches	3½	4	5	6
W't per crate, lbs.	120	135	175	200
Per 100 feet	$14.00	16.00	19.00	23.00

250 FEET IN A CRATE.



Slip Joint, Single Bead, Asst. R. H. and L. H.

Galvanized Steel, 10 Foot Lengths, No. 26 Gauge.

Inches	3½	4	5	6
W't per crate, lbs.	155	170	225	260
Per 100 feet	$21.00	23.00	26.00	32.00

Galvanized Steel, 10 Foot Lengths, No. 29 Gauge.

Inches	3½	4	5	6
W't per crate, lbs.	120	135	175	200
Per 100 feet	$15.00	17.00	20.00	25.00

250 FEET IN A CRATE.

CONDUCTOR PIPE.



Galvanized Steel, 10 Foot Lengths, No. 26 Gauge, Corrugated.

Diam., in.	3	4
W't per crate, lbs.	240	310
Per 100 feet	$21.00	28.00
Diam., in.	5	6
W't per crate, lbs.	365	435
Per 100 feet	$34.00	40.00

Galvanized Steel, 10 Foot Lengths, No. 29 Gauge, Corrugated.

Diam., in.	2	3	4
W't per crate, lbs.	155	185	245
Per 100 feet	$13.00	15.00	20.00
Diam., in.		5	6
W't per crate, lbs.		280	335
Per 100 feet		$25.00	30.00

250 FEET IN A CRATE.

PLAIN RIDGE ROLL.



Galvanized Steel, Plain, 10 Foot Lengths, No. 29 Gauge.

Diam. of roll, in.	1¼	1½
Width of apron, in.	1¼	2
Girth, in.	7	8
W't per crate, lbs.	115	140
Per 100 feet	$14.00	16.00
Diam. of roll, in.	2	2½
Width of apron, in.	2½	3
Girth, in.	10	12
W't per crate, lbs.	170	190
Per 100 feet	$19.00	23.00

250 FEET IN A CRATE.

Note—For Corrugated Ridge Roll, see page 969.

FORMED VALLEY.



Galvanized Steel, 10 Foot Lengths, No. 29 Gauge.

Girth, in.	12	14
W't per crate, lbs.	195	225
Per 100 feet	$15.00★	17.50★

250 FEET IN A CRATE.

ROOF GUTTER.



Style "B."

Galvanized Steel, 10 Foot Lengths, No. 29 Gauge.

Girth, in.		15
W't per crate, lbs.		310
Per 100 feet		$37.00★
Girth, in.	18	20
W't per crate, lbs.	325	350
Per 100 feet	$45.00★	50.00★

250 FEET IN A CRATE.

RAIN WATER CUT-OFFS.



MILWAUKEE PATTERN, Galvanized Iron, for Corrugated Pipe.

For pipe, in.	2	3	4	5
W't, doz., lbs.	10	14	23	35
Per dozen	$7.00	8.00	11.00	20.00
	CCE	CHE	JECJ	JIFJ

2, 3 AND 4 IN., ONE DOZEN; 5 IN., ONE-HALF DOZEN IN A CRATE.

★*FOR FACTORY SHIPMENT ONLY.*

CONDUCTOR PIPE ELBOWS.



No. 1, 45 degrees. No. 2, 60 degrees.



No. 3, 75 degrees. No. 4, 90 degrees.

Galvanized Steel, Nos. 1, 2, 3 and 4, Corrugated, No. 29 Gauge.

Diam., in.	2	3	4
W't, doz., lbs.	4	5½	9½
Per dozen	$3.60	4.32	7.20
Diam., in.		5	6
W't per doz., lbs.		15	20
Per dozen		$15.00	18.00

Galvanized Steel, Nos. 2, 3 and 4, Corrugated, No. 26 Gauge.

Diam., in.	2	3	4
W't, doz., lbs.	4	5½	9½
Per dozen	$7.20	8.64	14.40
Diam., in.		5	6
W't per doz., lbs.		15	30
Per dozen		$30.00	36.00

Always specify both number and size.

ADJUSTABLE ELBOWS.



Galvanized Steel, Plain Round, Adjustable, No. 29 Gauge.

Diam., in.	3	4
W't per doz., lbs.	5	9½
Per dozen	$1.80	2.40

ROOF TRIMMINGS, MITERS AND BUILDING CORNERS.

EAVES TROUGH MITERS.



Galvanized Steel, One Piece Corner, Single Bead, No. 29			Outside Gauge.
Inches	3½	4	5
W't per doz., lbs...	7	8½	10½
Lap Joint, per dozen	$3.25	3.50	4.00
Slip Joint, right hand, per dozen..	4.25	4.50	5.00
Slip Joint, left hand, per dozen..	4.25	4.50	5.00



Galvanized Steel, One Piece Corner, Single Bead, No. 29			Inside Gauge.
Inches	3½	4	5
W't per doz., lbs...	7	8½	10½
Lap Joint, per dozen	$3.25	3.50	4.00
Slip Joint, right hand, per dozen..	4.25	4.50	5.00
Slip Joint, left hand, per dozen..	4.25	4.50	5.00

When ordering Slip Joint Mitres, state whether right or left hand is wanted.

EAVES TROUGH END SECTIONS.



Galvanized Steel, Reversible, with Outlet and Removable End Cap, to Fit Either Lap or Slip Joint Trough, Length 12 Inches, No. 29 Gauge.

No. A—Sizes, in....	3½	4	5
For pipe, in.....	2	2	3
W't per doz., lbs...	6½	7½	9½
Per dozen	$3.80	4.20	4.60

EAVES TROUGH END CAPS.



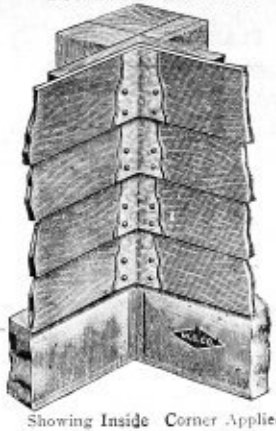
Galvanized Steel, No. 29 Gauge.			
No. C—Sizes, in....	3½	4	5
For trough, in.....	3½	4	5
W't per doz., lbs...	1	1½	1¾
Per dozen	$1.50	1.50	1.60

CONTINUOUS HIP SHINGLES.



Galvanized Steel, 8 Foot Lengths.
Girth 5 in., w't per crate 110 lbs., per 100 feet★ $20.00
500 FT. IN A CRATE.
Starters, for above, 5 in., per dozen★ $1.20

BUILDING CORNERS.



Showing Inside Corner Applied.



Outside Corner.



Inside Corner.

Galvanized Iron, with countersunk nail holes and beaded edges. Used in place of corner boards to finish the corners of a building when weather boarding or lapped siding is used. The appearance is far neater than wood corner boards, the joints are tighter and the expense decreased.

No. 4—Inside, 3½ in. long for 4 in. siding, laid 3 in. to the weather, per 100★ $2.50
No. 4—Outside, 3½ in. long for 4 in. siding, laid 3 in. to the weather, per 100★ $2.50
No. 6—Inside, 4½ in. long for 6 in. siding, laid 4 in. to the weather, per 100★ $2.70
No. 6—Outside, 4½ in. long for 6 in. siding, laid 4 in. to the weather, per 100★ $2.70
No. 8—Inside, 5½ in. long for 8 in. siding, laid 5 in. to the weather, per 100★ $2.90
No. 8—Outside, 5½ in. long for 8 in. siding, laid 5 in. to the weather, per 100★ $2.90

W'T PER 100, NO. 4, ABOUT 15 LBS.; NO. 6, ABOUT 25 LBS.; NO. 8, ABOUT 35 LBS.
PACKED 500 IN A BOX.

GALVANIZED GABLE FINIALS.

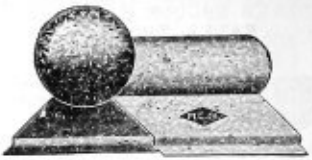


For 1½ to 2 Inch Ridge Roll.

Always specify size of roll.

No. 915—Length 10 in., height 8 in., w't ½ lb.★ .....each $0.80
No. 915-A—Length 12 in., height 10½ in., w't 1 lb.★ .....each $1.20

GLOBE RIDGE ROLL FINIALS.



No. 5 Galvanized Steel, No. 29 Gauge, with Zinc Ball, Soldered Seams.

For Ridge Roll, size of roll, in.	1½	1½	2	2½
Diam. ball, in.	2½	2½	3½	4
Lgth base, in.	4	4	4	4
Lgth over all, in.	5	5	6	6
W't doz., lbs.	3	3½	4	4½
Per dozen	$4.00	4.00	5.00	6.00

PACKED LOOSE.

"NU AIR" VENTILATORS.



Galvanized Steel, Corrugated. Note Patent Device for Constant Circulation.

For pipe, in.	12	14	16	18
W't crtd, lbs.	38	42	45	57
Each	$5.30★	6.00★	8.40★	10.20★
For pipe, in.	20	24	30	36
W't crtd, lbs.	63	75	94	106
Each	$14.40★	18.00★	28.80★	43.20★

CRATING CHARGED FOR AT COST.

"MILWAUKEE" VENTILATORS.



Galvanized Steel, Plain Riveted.

For pipe, in	10	12	14
W't crated, lbs.	25	30	33
Each	$3.60★	4.40★	5.00★
For pipe, in.		16	18
W't crated, lbs.		36	45
Each		$7.00★	8.50★
For pipe, in...	20	24	30
W't crtd., lbs.	50	60	75
Each	$12.00★	15.00★	24.00★
For pipe, in.		36	40
W't crated, lbs.		85	95
Each		$36.00★	50.00★

CRATING CHARGED FOR AT COST.

★FOR FACTORY SHIPMENT ONLY, MILWAUKEE, WIS.

EAVES TROUGH HANGERS AND PIPE TRIMMINGS.

EAVES TROUGH HANGERS.



Triple Twist Pattern, Galvanized Steel Wire, Single Bead, Assorted 7, 9 and 11 Inch Stems.

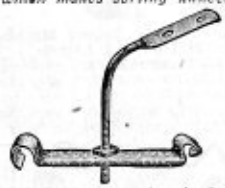
Inches	3½	4	5	6
W't, gro., lbs.	24	25	27	36
Per gross	$2.75	2.75	3.00	3.50
	BAJ	BAJ	BCJ	BFE



Schroder's Extension, Double Twist, Galvanized Steel Wire, Single Bead, 11 Inch Stems.

Inches	4	5
W't per gro., lbs.	27	29
Per gross	$4.00	4.20
	BCJ	BEJ

The bottom brace holds trough rigid, and will not allow it to swing. Trough can be hung absolutely true, even on old crooked roofs. All the stems are long, which makes sorting unnecessary.



Imperial Pattern, Galvanized Steel Cross Piece with Assorted 7, 9 and 11 Inch Threaded Rod and Nuts.

Inches	4	5
W't per gro., lbs.	40	42
Per gross	$4.25	4.50
	CFJ	CHJ



BAKER PATTERN, ⅝ Inch Hoop Steel, with Galvanized Iron Bottom Strap, Top Arms Assorted 7, 9 and 11 Inches Long.

Inches	3½	4	5	6
W't, gro., lbs.	32	36	39	46
Per gross	$3.75	4.00	4.25	5.00
	BBE	BDJ	BEE	CJJ

ONE-HALF GROSS IN A CASE.

CONDUCTOR PIPE HOOKS.



For Wood. For Brick.

"NEVER SLIP," Galvanized Malleable Iron with Projections to Prevent Slipping.

For Wood.

Size, in.	2½	3	4
W't per doz., lbs.	1½	2	2¼
Per dozen	$0.21	.27	.33
	BE	CB	DF

For Brick.

Size, in.	3	4
W't per doz., lbs.	1½	2½
Per dozen	$0.72	1.20
	DJ	JFE

Size, in.	5	6
W't per doz., lbs.	4	4½
Per dozen	$0.78	.95
	AAJ	ACJ

EIGHT AND ONE-THIRD DOZEN IN A CASE.



For Wood. For Brick.

CLINCHER, Steel, Tinned, with Projections to Prevent Slipping.

For Wood.

Size, in.	2½	3	4
W't per doz., lbs.	1	1¼	1¾
Per dozen	$0.38	.48	.67

For Brick.

Size, in.	3	4	5	6
W't, doz., lbs.	1¼	2	3¼	4
Per dozen	$0.53	.82	1.15	1.44

2, 3 AND 4 IN., 100 IN A BOX; 5 AND 6 IN., 50 IN A BOX.

CONDUCTOR PIPE HANGERS.

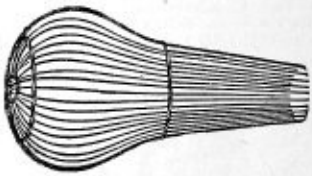


IWAN'S Steel Wire, Galvanized, for Plain or Corrugated Pipe.

For Pipe, in.	2½	3	4
W't per doz., lbs.	½	¾	1¼
Per dozen	$0.27	.30	.36
	BJ	BB	BG

2½ IN., ONE HUNDRED; 3 AND 4 IN., FIFTY IN A BOX.

CONDUCTOR STRAINERS.



Steel Wire, Galvanized After Made.

For pipe, in.	2	3	4
W't per doz., lbs.	1	1¼	2¼
Per dozen	$1.50	2.00	3.00
	JEE	JGJ	AAJ

For pipe, in.	5	6
W't per doz., lbs.	6	7
Per dozen	$3.50	4.00
	ABE	ADE

LOOSE.

WALL TIES.



No. 6—¼x6¼ in., galvanized sheet steel, corrugated or embossed to bind firmly in the mortar, w't per 1000 36 lbs., per 1000 ..... BIJ $4.00

ONE THOUSAND IN A BOX.

PEXTO TINNERS' MACHINES.

TURNING.



Columbian, Solid Frame, with Two Sets of Faces, for 22 Iron and Lighter.

No. 542—Large, diam. of faces 3 in., with stand, w't 31 lbs., each ..... AAAJ $20.50

No. 541—Small, diam. of faces 2¼ in., with stand, w't 25 lbs., each ..... AJHJ $30.00



Encased, Adjustable Boxes, with Two Sets of Faces, for 24 Iron and Lighter.

No. 546—Large, diam. of faces 3 in., with stand, w't 28 lbs., each ..... ABDJ $23.00

No. 545—Small, diam of faces 2¼ in., with stand, w't 23 lbs., each ..... ABBJ $22.50

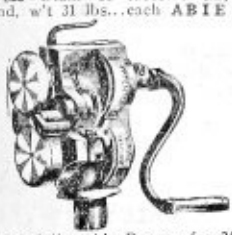
Turning machines are used for turning the tops of vessels to receive wire.

WIRING.



Columbian, Solid Frame, for 22 Iron and Lighter.

No. 525—Diam. of faces 3 in., with stand, w't 31 lbs...each ABIE $24.00



Encased Adjustable Boxes, for 24 Iron and Lighter.

No. 526—Diam. of faces 3 in., with stand, w't 28 lbs...each AEAJ $28.00

Wiring machines follow the turning machines. They are intended for rolling sheet metal tightly around wire after its seat has been prepared by the turning machine.

BURRING.



Columbian, Solid Frame, with Extra Upper Face, for 22 Iron and Lighter.

No. 577—Large, diam. of face 2⅝ in., with stand, w't 25 lbs., each ..... JIGJ $18.00

No. 576—Small, diam. of face 1½ in., with stand, w't 21 lbs., each ..... JIBJ $17.00



Encased, Adustable Boxes, with Extra Upper Face, for 24 Iron and Lighter.

No. 580—Large, diam. of face 2⅝ in., with stand, w't 23 lbs., each ..... AACE $21.00

No. 579—Small, diam. of face, 1½ in., with stand, w't 21 lbs., each ..... AJHJ $20.00

Burring machines are used for creasing, edging rims of covers for pails, boilers, etc., and for preparing circular edges of bottoms and bodies of vessels for double seaming.

SETTING DOWN.



Columbian, Solid Frame, for 24 Iron and Lighter.

No. 555—With stand, w't 21 lbs., each ..... AJEE $19.50

Setting down machines follow the burring machines pressing the edge of bottom onto the flange of body in preparation for double seaming.

SETTING DOWN.



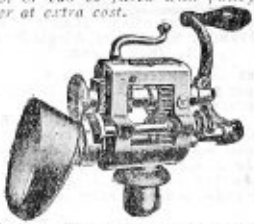
Improved with Adjustable Gauge.

No. 86—For seams up to ⅞ in., capacity 24 iron and lighter, with stand, w't 31 lbs.....each ADEE $27.00

No. 87—Heavy, for seams up to ⅝ in., capacity 18 iron and lighter, with extra heavy stand, w't 100 lbs., each★ ..... BCGE $44.00

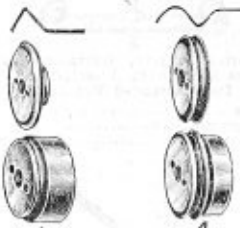
The inclined position of both upper and lower faces allows work to be held up or down and seams to be started inward while setting down, thereby facilitating the operation of double seaming.

No. 87 can be fitted with pulley for power at extra cost.



Columbian Elbow Edging Machine, for 24 Iron and Lighter.

The above cut shows the position of an elbow in turning the edge; also the form of crease made by the machine to enter corresponding section in completing the elbow as made with Rolls No. 1.



Rolls type No. 1 produce V shape edges on both elbow sections.

Rolls No. 4 are preferable for elbows riveted or grooved with loose joint. Faces can be used with and are readily adapted to either Columbia or Encased small turning machine.

Diameter of faces 2¼ in.

No. 551—Columbian Elbow Edging Machine, with standard and one pair of rolls, w't each 25 lbs., each ..... JIFJ $20.00

Extra Elbow Edging Rolls, per pair ..... BIJ $5.00

ASK FOR SPECIAL TINNERS' TOOLS CATALOGUE SHOWING A MORE COMPLETE LINE THAN SHOWN HERE.

★*FOR FACTORY SHIPMENT ONLY.*

TINNERS' MACHINES.

PEXTO STOVE PIPE CRIMPER AND BEADER.



Capacity—20 Gauge Iron and Lighter, Diameter Beading Rolls 1 29-32 in., Diameter Crimping Rolls, 1⅛ in., Back Gear, 3 to 1.

No. 7-A—With crank screw for depressing rolls, w't each 65 lbs., each .....AAEJ $24.00

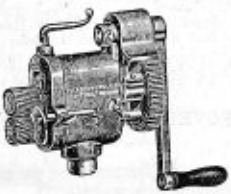
No. 9-A—with foot treadle attachment for depressing rolls, w't each 85 lbs., each .....ACFE $28.00

CRIMPING.



Packham's for stove and conductor pipe, with standard, w't 24 lbs., each .....JGHJ $20.00

PEXTO CORNICE MAKERS' CRIMPERS.



Connecting Gears of Machine Cut Steel, Rolls of High Grade Steel, Scientifically Hardened. Adjustments are Provided for Regulating Depth of Crimp and Bead.

No. 17-A—Diameter of rolls, 1⅛ in., back geared 3 to 1, w't each 65 lbs., each .....AAEJ $24.00

Designed for strength and rigidity and produce snug fitting pipe joints that hold when put together.

Two speeds provided for, back geared for heavy stock and direct drive when lighter materials are used.

PEXTO IMPROVED MACHINE STANDARDS.

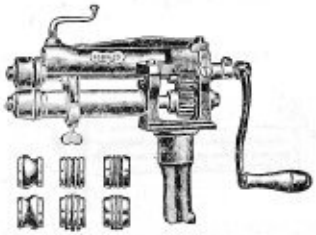


Improved Machine Standards.

No. 975—For use with all except wiring machine, size of hole 1⅝ in., height over all from bench 9¼ in., w't each 10½ lbs.....each ABJ $2.00

No. 976—Wiring machine, size of hole 1⅝ in., height over all from bench 9¼ in., w't each 11 lbs., each .....ABJ $2.00

PEXTO PATENT BEADING MACHINES.



For No. 26 Iron and Lighter.

No. 4—6 in. throat, with four pairs rollers and stand, w't 50 lbs., each .....BACE $39.50

Size of beads as follows: Ogee ¼ in., Triple ⅜ in., Triple Coffee Pit ⅜ in., single ½ in.

Beading or swaging machines are intended for stiffening and ornamenting pipe and the bodies of pails, cans, boilers, brackets, etc.

PEXTO PATENT BEADING MACHINES.

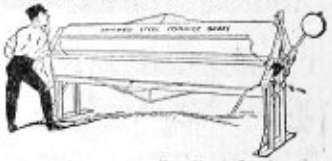


For No. 20 Iron and Lighter.

No. 1-A—13 in. throat, with three pairs rollers and stand, w't 128 lbs., each★ .....CDHJ $64.50

The illustration shows machine with single beading rolls and supporting arm attached.

STEEL CORNICE BRAKES.



The Apron or Bending Leaf reinforced by angular shaped strengthening plate. Substantial truss rods provided for additional support and adjustment.

Five Formers, all sizes in general use for making moulding, furnished.

A Steel Angle Bar is bolted to apron to give additional leverage when bending extra heavy material.

Stop Gauges furnished free of cost.

The Clamping of material is done by means of an eccentric on each end.

When ordered with Eccentric Levers, connected brakes are so fitted without additional cost.

Set Screws provided on ends which move the upper jaw forward and back to accommodate heavy or light material and for sharp or rounding beads.

An Eccentric Bushing in lower part of connecting link allows for greater or less pressure on material.

The Angle Bar, as well as the special steel bar, is removable from the apron and narrow opposing members can then be formed. Apron edge is ½ inch, from which ¼ inch is detachable.

No. 4—Forming edge 8 ft. 1 in. long, for cornice and other light work as well as ¾ in. and more, bends on No. 18 gauge, complete with angle bar and five formers, w't 1000 lbs., each★ .....AAHHJ $220.00

No. 5—Forming edge 4 ft. ½ in. long, adapted for automobile and manufacturing work, to bend 1 inch and wider edge on No. 14 gauge and lighter, complete with angle reinforcement for apron, w't 800 lbs., each★ .....AFDHJ $150.00

Made in sizes from 3 to 16 feet to bend from the lightest material up to ½ in. mild steel plate, by hand or power.

HARE'S PATENT FOUR LEAF CORNICE BRAKES.



For No. 20 Iron and Lighter.

No. 96—98 in., w't 3650 lbs., each★ .....CJBDJ $336.00

The bending leaf is properly balanced by weights, and is provided with a forcing bar for bending heavy iron.

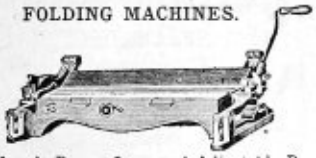
Seven formers to be attached to the brake for making circular bends are furnished, sizes 3, 2½, 2, 1¼, 1½, 1¼ and 1 in.

ASK FOR SPECIAL TINNERS' TOOLS CATALOGUE SHOWING A MORE COMPLETE LINE THAN SHOWN HERE.

★FOR FACTORY SHIPMENT ONLY.

PEXTO TINNERS' MACHINES.

FOLDING MACHINES.



Stow's Patent Improved Adjustable Bar Folder For No. 22 Iron and Lighter.

No. 152—20 in., w't 100 lbs., each .....CJGE $60.00
No. 154—30 in., w't 180 lbs., each .....DAJE 80.00

The gauge is operated by hand wheel in front of machine. Set screw in front at left holds gauge firmly in place and secures a fold or lock of uniform width the entire length. These machines form square joints or angles, and turn sharp edges, also round edges for inserting wire. Locks 1/8 in. to 1 in. can be formed.



For No. 22 Iron and Lighter.

No. 252—20 in., w't 100 lbs., each .....CABJ $60.00
No. 254—30 in., w't 190 lbs., each .....DBJJ 80.00

The gauge is moved by the drop lever, and its adjustment in fractions of in. is indicated on the graduated scale. Forms closed or open locks. Fitted with adjustable stop in addition to the square or angle stop. Adjustable stop is graduated and has indicator so folder can be quickly and easily adjusted. Admirably adapted for binding or mounting show cards or calendars, edging strips for show case frames, etc. Locks can be formed as narrow as 5/8 in. and as wide as 1 in.

SHEET IRON FOLDING MACHINES.

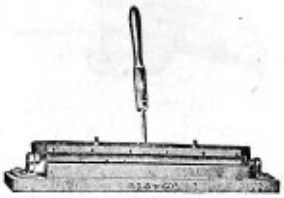


For No. 22 Iron and Lighter.

No. 1—Wright's, 32 in., improved, will turn locks 1/8 and 1/4 in., w't 80 lbs. each .....ABIE $24.00
No. 12—Wright's, 32 in., improved, will turn locks 1/8, 1/4, 1/2 and 5/8 in., w't 88 lbs. .....each AFBJ $30.00

This machine will turn locks of different widths on any length of sheet. May be used on material as thick as No. 22 gauge.

SHEET IRON FOLDING MACHINES.

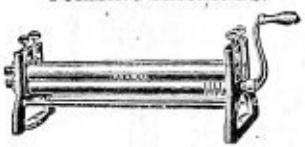


For No. 22 Iron and Lighter.

No. 30—30 in., wood bottom, w't 75 lbs., each .....AJHJ $20.00

This folder is constructed with a milled bar and gauges are adjustable and accurate. Will form locks on flat sheets from 1/8 to 1/2 in. Adapted to material as thick as No. 22 gauge.

FORMING MACHINES.



No. 2—30 in. long, 1 1/4 in. rolls, w't 115 lbs .....each AEDJ $36.00

No. 1—30 in. long, 2 in. rolls, w't 140 lbs.....each AFBE $38.00

No. 1 will form 20 iron into 10 in. or 22 iron into 5 in. cylinders.

No. 2 will form 22 iron into 8 or 10 in. cylinders.

Grooves are cut in rolls to allow work being formed after wiring.



Patent Stove Pipe Formers. Compensating Gear.

No. 11—30 in. long, 1 1/4 in. rolls, w't 115 lbs.....each AFBE $38.00

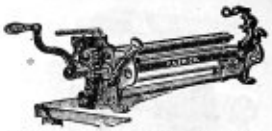
No. 12—30 in. long, 2 in. rolls, w't 140 lbs.....each AGAJ $40.00

No. 12 will form 20 iron into 10 in., or 22 iron into 5 in. cylinders.

No. 11 will form 22 iron into 8 or 10 in. cylinders.

Gears are machine-cut steel, and rolls are made of special rolled hard steel. Grooves are cut in rolls to allow forming of cylinders after wiring.

FORMING MACHINES.



No. 100—Grannis', patent slip roll stove pipe former, with compensating gear, 2 in. rolls, 30 in. long, w't 150 lbs., each .....AHHJ $22.00

Will form 20 iron into 10 in., or 22 iron into 5 in. cylinders.

These machines are much more easily adjusted, and can be set for forming any desired size of cylinder in much less time than is required to set others. They are made with Slip Rolls, so that small work can be readily taken from the end after it has been formed.

PATENT SLIP ROLL FORMERS.



Compensating Gear, Back-Geared. For No. 20 Iron and Lighter.

No. 400—31 in. long, 2 1/2 in. rolls, w't 275 lbs★.....each CFDE $45.00
No 300—37 in. long, 2 1/2 in. rolls, w't 330 lbs★.....each DJEJ $50.00

Accurately fitted and back-geared 2 to 1. Gears are machine-cut steel, constructed with slip rolls.

BRASS MOUNTED GROOVING.



With Steel Bar and Milled Horn, for No. 24 Iron and Lighter.

No. 01—30 in., three grooving rolls, one each 1/8, 5-32 and 7-32 in., with standard, w't 100 lbs.....each ADFJ $27.00

IMPROVED PATENT GROOVING MACHINES.



For No. 22 Iron and Lighter.

No 120—30 in., rolls 5-32, 1/4 and 3/4 in., w't 110 lbs.....each AIDE $36.00

Grooving horn is reversible so that either the flat surface or one of the grooves that are planed into the horn can be turned upward.

One smooth or flattening roll and three grooving rolls are furnished.

ASK FOR SPECIAL TINNERS' TOOLS CATALOGUE, SHOWING A MORE COMPLETE LINE THAN SHOWN HERE.

★*FOR FACTORY SHIPMENT ONLY.*

TINNERS' TOOLS.

PEXTO SQUARING SHEARS.



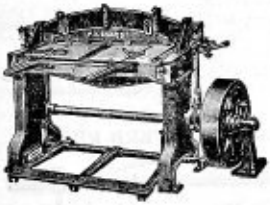
For Cutting Sheet Metal.

No. 130—Stow's improved, for No. 18 iron, cuts 31 in., w't 500 lbs., each .....DGGE $104.00

No. 136—Stow's improved, for No. 18 iron, cuts 37 in., w't 785 lbs., each .....GEBE $164.00

These squaring shears are made with top and side extension tables and patent quick-acting back gauge. They are also provided with front gauges and front extension arms as shown above. The springs are arranged with a set screw for regulating the tension and compensating for wear. Every squaring shear, when it leaves the factory, will cut wet tissue paper the whole length of the blade.

PEXTO SQUARING SHEARS.



Improved Power Shears. Not Geared. For No. 18 Iron and Lighter.

No. 210—31 in. in length, w't 1100 lbs.★ each .....AFBJJ $150.00

No. 211—37 in. in length, w't 1200 lbs.★ each .....AGHBJ $165.00

A new type of power squaring shears embracing many modern features and highly recommended for a large variety of cutting in which the lighter gauges of iron are used. These shears are controlled by a positive clutch and fitted with an automatic hold-down attachment for preventing any draw of material from the shearing blades, insuring accurate cutting. Openings are provided in this attachment for giving a plain view of the cutting line.

Arranged to run approximately 90 revolutions per minute.

Diameter of fly wheel 24x1½ in.

Complete equipment of front arms and front and rear gauges accompany these shears.

PEXTO SQUARING SHEARS.



For Cutting Sheet Metal.

No. 730—Hull's Acme, for No. 18 iron, cuts 31 in., w't 425 lbs.★ each .....JDEIJ $100.00

They are arranged with table, back and front gauges, for squaring, stripping and cutting at any desired angle without necessity of marking the sheets.

PEXTO CONTINUOUS CUTTING OR GAP SHEARS.



For No. 18 Iron and Lighter.

No. 85-A—Foot power, 37 in., 15 in. throat, w't 1275 lbs.★ each .....AGEBJ $300.00

For No. 16 Iron and Lighter.

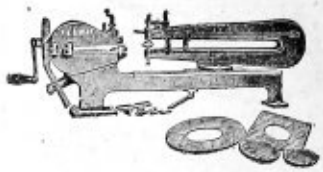
No. 88-A—Foot power 37 in., 18 in. throat, w't 1450 lbs.★ each .....BJEBJ $350.00

Arranged with gauges for cutting sheet metal of any length into strips from ½ to 18 in. in width, sheet metal 30 in. wide may be cross cut at any point desired.

Hold-down attachment is operated by hand and slides on independent ways when the blades are in motion the hold-down remains in a fixed position. Operated from either end of the shears by means of small hand wheel. Fitted with side extension tables for supporting long sheets of metal. Bed plate is graduated in inches and fractions.

Adjustable gauges for the side extension tables to be used when cutting long sheets. Treadle arranged so connecting rod can be instantly changed to give increased leverage for cutting heavy metal.

WAUGH'S PATENT CIRCULAR SHEARS.



For No. 22 Iron and Lighter.

No. 276—Will cut circles from 2¼ to 18 in., w't 120 lbs., per pair .....BIGJ $35.00

Suitable for cutting circles, trimming or squaring tin plate, sheet iron, brass and copper.

A graduated scale is attached to the bed for the purpose of securing quick and accurate adjustment of the sliding arm.

They are fitted with quick-acting eccentric lever, which clamps material between discs with great rapidity, and releases the blank instantly.

EAVE TROUGH END FORMERS.



The Tool.



The Work.

No. 6—Bishop's, cast iron			
Trough, in.....	3½	4	4½
W't, lbs.	3	3½	4
Each $1.00	1.20	1.30	
	JEE	JFE	JGJ

Through, in.	5	6
W't, lbs.	5	7
Each $1.50	2.00	
	JHJ	AJE

For closing end of eave trough in corrugations as shown in illustration.

ASK FOR SPECIAL TINNERS' TOOL CATALOUGUE, SHOWING A MORE COMPLETE LINE THAN SHOWN HERE.

★FOR FACTORY SHIPMENT ONLY, SOUTHINGTON, CONN.

TINNERS' TOOLS.

PEXTO COMBINATION SHEARS AND PUNCHES.

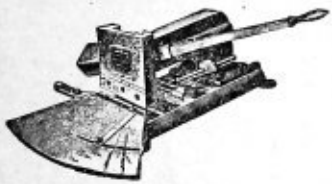


No. 01—4½ in. cut, will punch ¼ in. iron, w't 105 lbs....each **AIHJ** $40.00

No. 02—5½ in. cut, will punch ⅜ in. iron, w't 122 lbs....each **BDJJ** $50.00

These machines are suitable for both cutting and punching metal. They may be used for cutting ⅛ inch iron, and ⅜ and ¼ inch narrow bars. The No. 1 will punch the center of a circle 5¼ in. in diameter and the No. 2, 5½ in. Four Punches are put up with No. 1, viz., ⅛, ⅛, ¾ and ⅜ in. Five punches are put up with No. 2, viz., ⅛, ⅛, ¼, ⅜ and ½ in.

COMBINED BENCH AND SPLITTING SHEARS.



For No. 16 Iron and Lighter.

No. 8—9 in. blade, 15 in. throat, w't 490 lbs.★ .....each **FGBJ** $75.00

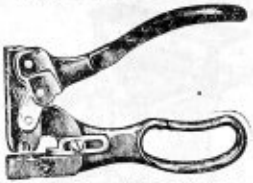
MARVEL SPLITTING SHEARS.



No. 1—4 in. blades, cuts sheets ⅛ in. thick or less, any length or width, w't 55 lbs.....each **AEAJ** $28.00

This machine is well made and very strong. The upper shear bearing is on an angle, and thus lessens the strain on the machine. The stripper, or hold-down, is so placed that a line on material can be easily followed. It shears swinging lever either way.

PEXTO HAND PUNCH.



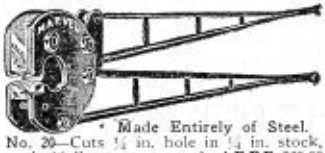
Pexto Lever Hand Punch.

No. 290—Height 4 in., length 7½ in., depth of throat 1 in., complete with set of dies.....each **CBJ** $3.50

A practical and handy tool, light in weight, strong in construction and powerful in operation. Will punch 1-8, 3-16 and 1-4 in. holes in No. 20 iron.

ONE IN A BOX.

MARVEL PORTABLE PUNCHES.



Made Entirely of Steel.

No. 20—Cuts ¼ in. hole in ¼ in. stock, w't 16 lbs.....each **AEFE** $29.00

Punches sheets, bars, angles, circles, etc. A splendid tool for punching a number of holes around the edges of sheets.

PORTABLE LEVER PUNCHES.



No. 101—Improved, adjustable gauge, depth of throat 1¼ in., 3 sets of dies and punches, ⅛, ⅜ and ½ in., w't 10 lbs.....each **JGHJ** $13.00

The toggle movement is powerful and it works easily and rapidly and combines light weight with strength. Can be used on material as thick as No. 20 gauge.

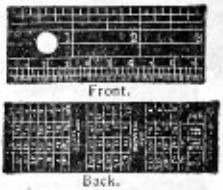
SAMSON PUNCHES.



No. 51—Improved, bolt fastened, adjustable gauge depth of gap 15 in., 3 sets of dies and punches, ⅛, ⅜ and ½ in., w't 125 lbs...each **BDJJ** $40.00

Will punch No. 9 iron with, and No. 12 without, "stay bolts," and will center on 30 in. sheets without, and on 7 in. sheets with them.

RULES AND STRAIGHT EDGES.



Front.

Back.

No. 5—Plain polished, 36 in. long, w't 1¾ lb. .....each **BGJ** $7.00

No. 95—Nickel plated, 36 in. long w't 1¾ lb .....each **CJJ** $8.00

Laid off on one side with two rows of figures, the first like an ordinary steel square, by eighths and inches up to three feet. The second is a line of circumferences divided into 113 equal parts; each of these divisions is again subdivided into 8 equal parts, the large divisions representing an inch to a scale and sub-divisions an eighth of an inch. Therefore, against any diameter the circumfrence in this line to a scale in inches and eighths of inches can be found.

The reverse side of rule gives dimensions of measures and cans. The first two tables are for flaring measures. 1st. Liquid measures, 1 to 5 gal. .2d Dry measures, 1 to 2 bu., giving diameter of top and bottom, and height of each size and kind.

Third table is for cans with pitch or cone tops, 1 to 10 gal., giving diameter of top and body, and compass marks for striking breast.

Fourth table is for flat top cans from 100 to 200 gal. (thirty-one different sizes), giving height and diameter.

Fifth table is for dry measure, from 1 qt. to 3 bu., giving height and diameter.

MAGIC PATTERN RULES.



No. 7—Lufkin's, nickel plated steel bar, length 4 ft. ⅞ in., square, with two slides, trammel points and flexible steel ribbon, with pattern chart mounted on linen, 19x23 in., hinged wooden case w't 7 lbs., each .....**JDBJ** $10.00

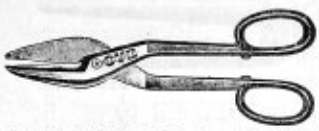
The Magic pattern rule is marked in circumference inches on the front, and in inches and eighths on the back. The two slides have set screws into which trammel points are fastened. For laying out elbow patterns, the left hand slide is fastened to the end of the bar by the set screw, and the right hand slide is set according to what diameter elbow is wanted. A flexible steel ribbon on the top of bar is then raised to the required height, according to angle of elbow wanted; one glance at the chart giving such height necessary according to the elbow required.

ASK FOR SPECIAL TINNERS' TOOLS CATALOGUE SHOWING A MORE COMPLETE LINE THAN SHOWN HERE.

★*FOR FACTORY SHIPMENT ONLY.*

TINNERS' HAND SHEARS OR SNIPS.

STRAIGHT.



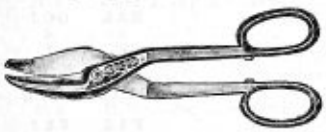
Crocus Finished Blades, Gun Metal Handles, Steel Laid and of Superior Finish.

Nos.	56	57	58	59
Length, in...	15¾	14½	14	12¼
Cut, in.	4½	4	3½	3
W't, lbs.	3¼	2⅞	2¼	1⅞
Per pair $3.00	2.50	2.00	1.50	
	BAJ	AGE	ADJ	AJJ
Nos.	510	511	512	513
Length, in..	11	10½	8½	8½
Cut, in.	2½	2¼	2	1¾
W't, lbs.	1½	1	¾	½
Per pair $1.40	1.20	1.00	.90	
	JIE	JHJ	JGJ	FC

snips are forged from the best material obtainable. They are accurately fitted and in every way designed for the workmen who demand the best to be had.

ONE PAIR IN A BOX.

CIRCULAR.

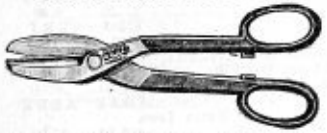


Circular Blades, Crocus Finished, Gun Metal Handles, Steel Laid and of Superior Finish.

Nos.	570	580	590
Length, in.	14½	14	12¾
Cut, in.	3¼	3¼	2¾
W't, lbs.	2¼	2⅛	1⅝
Per pair $3.50	3.00	2.50	
	BAE	BAJ	AGE

ONE PAIR IN A BOX.

ROUNDED BACK.



Crocus Finish Blades, Gun Metal Handles.

Nos.	146	147	148
Length, in.	15¼	14½	14
Cut, in.	4½	4	3½
W't, lbs.	4⅛	4	3½
Per pair $3.50	3.00	2.50	
	BCJ	BJJ	AGJ
Nos.		149	150
Length, in.		12¾	11
Cut, in.		3	2½
W't, lbs.		3	2¼
Per pair $2.00			1.90
		ACJ	ABJ

Blades are rounded back and shaped to allow the material to pass freely when cutting curves or changing direction of cut. They will cut curves, scrolls and all irregular shapes, besides being adapted to the same class of work as the regular pattern.

ONE PAIR IN A BOX.

"LYON" PATTERN.



Polished Steel Blades, Forged Handles, Gun Metal Finish.

Nos.	27	28	29
Full length, in.	14½	13	12
Cut, in.	3½	3	2¼
W't, lbs.	1¼	1½	1½
Per pair $4.00	3.50	2.40	
	BDJ	AIJ	ADE

Blades are rounded and very sharp pointed. Especially adapted to cornice and tin work. Made to easily cut circles, scrolls, etc., and equally adapted to the same class of work as other snips. Shears throughout are the best material.

ONE PAIR IN A BOX.

REVONOC STRAIGHT.



Drop Forged, Steel-Laid.

Nos.	36	37	38	39
Full length, in.	15½	14¼	13	12¼
Cut, in.	4¼	4	3½	3
W't, lbs.	3¼	2⅝	1½	1
Per pair $3.00	2.50	2.00	1.50	
	AHE	AEE	ABE	JIE
Nos.		40	41	42
Full length, in.		11¼	10	8½
Cut, in.		2½	2¼	2
W't, lb.		1	¾	⅝
Per pair $1.40	1.25	1.00		
	JIJ	JGE	JFE	

All REVONOC snips are forged from one solid piece of steel and a shear steel plate of special quality is laid over the entire surface of the blade and under the bolt making a steel bearing. Each pair is hardened in water and tempered by patent method, producing a snip that is unsurpassed.

ONE PAIR IN A BOX.

REVONOC CIRCULAR.



Drop Forged, Steel Laid.

Nos.	218	219
Full length, in.	13½	12¼
Cut, in.	3½	3
W't, lbs.	1½	1
Per pair $3.00	2.50	
	AHE	AEE

ONE PAIR IN A BOX.

P. S. & W. CO.'S STRAIGHT.

1819 Original P. S. & W. Co.



Nos.	6½	7	8	9
Full lgth, in.	15¼	14¼	13½	12
Cut, in.	4½	4	3½	3
W't, lbs.	3¼	2¼	2⅛	1¼
Per pair $3.00	2.50	2.00	1.50	
	BCJ	AIJ	AEE	AAE
Nos.	10	11	12	13
Full lgth, in.	11	10½	8½	8
Cut, in.	2½	2¼	2	1¾
W't, lbs.	1	¾	¾	½
Per pair $1.40	1.20	1.00	.90	
	AAJ	JIE	JHJ	GJ

P. S. & W. Co.'s snips are forged from the best Norwegian iron, are steel laid and fully warranted.

ONE PAIR IN A BOX.

P. S. & W. CO.'S CIRCULAR.

1819 Original P. S. & W. Co.



Nos.	70	80	90
Full length, in.	14½	13¼	11¼
Cut, in.	3½	3¼	2¾
W't, lbs.	2¼	2	1⅝
Per pair $3.50	3.00	2.50	
	BFE	BCJ	AIJ

All illustrations show left hand shears which have the lower blade on the left side.

Left hand shears are generally used, and are always sent unless otherwise specified.

Shears for left handed men are subject to an advance in price.

ONE PAIR IN A BOX.

STRAIGHT SNIPS.



No. 19—Cruso, solid forged steel, 12½ in. long, cut 3 in., w't per pair 1¼ lbs., per pair .....JFE $1.25

ONE PAIR IN AN ENVELOPE; FOUR PAIRS IN A BOX.

No. 20—Chilled iron, ground blades, 11½ in. long, 2½ in. cut, w't per pair 2¼ lbs. .....per pair BE $0.50

No. 30—Chilled iron, ground blades, japanned handles, length 12 in., cut 2¾ in., w't 1⅛ lbs., per pair CJ $0.60

ONE PAIR IN AN ENVELOPE.

CRUSO HOUSEHOLD SNIPS.



No. 18—Solid forged steel, length 10 in., cut 2¾ in., w't per pr. 1 lb., per pair .....JEJ $1.25

A good serviceable snip, suitable for general use, at a low price.

ONE PAIR IN AN ENVELOPE.

TINNERS' HAND AND BENCH SHEARS.

SEARIGHT'S COMPOUND LEVER MECHANICS'.



Finest Quality Crucible Steel, Tempered by the Most Approved Process.

Nos.	108	110	112	114
Length, in.	8	10	12	14
Length cut, in.	1½	2½	3	3½
W't, pr., lbs.	¾	1½	2¼	3
Per pair	$2.00	3.00	4.00	4.75
	AAE	AGE	BCE	BGJ

This snip has three times the power at the point as the ordinary snip and is but a trifle heavier.



Pocket Size.

No. 107—Tool steel, bright finish, length 7 in., length of cut 1¼ in., w't per pair 5 oz.....per pair **JHJ** $1.40

ONE PAIR IN A BOX.

"TROJAN SHARP POINTED SNIPS.



No. 79—High grade steel, japanned handles, length 13 in., 3 in. cut, w't per pair 1 5-6 lbs..per pair **BDJ** $3.00

Adapted for cutting sheet metal, pasteboard, mica, linoleum, veneering, etc. Straight or curved lines.

ONE PAIR IN A BOX.

HAWK'S BILL SHEARS.



Improved Pointed Curved Hand Shears.

No. 15—Pointed snips, blade 3 in., entire length 10 in., w't 1½ lbs., each .....**BGJ** $3.00

Capable of cutting in sheet metal openings of any kind and shape. Letters easily cut. Especially adapted for cutting off the bottoms of metal vessels and openings in pipes or cylinders.

ONE PAIR IN A BOX.

REVONOC DENTAL SNIPS.



Japanned Handles, Nickel Plated Blades.

No. 21 REVONOC—Length 6½ in., 1½ in. cut, w't per pair ½ lbs., per pair.....**JFJ** $1.75

No. 22 REVONOC—Length 6½ in., 2 in. cut, w't per pair ⅝ lb., per pair.....**JFE** $2.00

For cutting wire cloth, etc., especially adapted for milliners.

ONE-HALF DOZEN IN A BOX.

POCKET SNIPS.



No. 514 REVONOC—Solid forged steel, polished blade, polished and blued handle, 7 in. long, cut 2 in., w't per pair ½ lb.....per pair **JFE** $1.00

No. 314 REVONOC—Solid forged steel, polished blade, black japanned handle, length 7 in., 2 in. cut, w't per doz. prs. 6 lbs., per doz. pairs **JEIE** $10.80

The design is such as to provide unusual strength; the size is convenient for carrying in the pocket or tool kit. Useful for many purposes.

ONE PAIR IN AN ENVELOPE; SIX PAIRS IN A BOX.

BENCH SHEARS.



Japanned Handles, Forged Steel Blade.

Nos.	00	0
Cut (catalogue) in.	12	10½
Cut (actual) in.	11	9½
Weight, lbs.	36	28
Per pair	$13.50	12.00
	ABIE	AAEJ

Nos.	1	2
Cut (catalogue) in.	9	8⅝
Cut (actual) in.	8¼	8
Weight, lbs.	23	18
Per pair	$8.00	7.00
	GGJ	FGJ

Nos.	3	4	5	6
Cut (cat.) in.	8¼	8	7	6
Cut (actual) in.	7¾	7½	6	5
Weight, lbs.	13	12	9	8
Per pair	$6.00	5.00	4.00	3.50
	EGE	DHJ	CHE	CCE

REVONOC COMBINED SHEARS AND PIPE CRIMPERS.



Polished Blades. Gun Metal Handles.

No. 92 REVONOC—Combined double cutting shear and pipe crimper, interchangeable parts, steel crimping jaws, length 12¾ in., actual cut 1¼ in., w't 2¼ lbs., per pair.....**BGJ** $4.00



No. 91 REVONOC—Length 8 in., w't ⅞ lbs., per pair .....**AHJ** $3.00

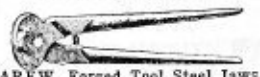
CUTTING NIPPERS.



REVONOC ACME, Polished Steel Jaws.

Nos.	1	2
Lengths, in.	12	11
Wt per doz.	24	21
Per dozen	$27.00	24.00
	AGEJ	AEEE
Extra Jaws, doz. prs...	$6.75	6.75
	DDJ	DDJ
Nos.	3	4
Lengths, in.	10	8
W't per doz., lbs.	18	9
Per dozen	$21.00	18.00
	ACFJ	AAFE
Extra Jaws, doz. prs...	$6.75	6.00
	DDJ	CCJ

ONE IN A PACKAGE.



CAREW, Forged Tool Steel Jaws.

Nos.	1	2
Length, in.	14	12
W't per dozen	45	33
Per dozen	$36.00	33.00
	CDEE	CAGJ
Extra Jaws, doz. prs...	$8.50	8.00
	HAE	GGJ
Nos.	3	4
Length, in.	10	8
W't per dozen	24	18
Per dozen	$27.00	24.00
	BEIJ	BCJE
Extra Jaws, doz. prs...	$7.25	6.75
	FIE	FEJ

ONE IN A PACKAGE.



Reversible Jaws.

Nos.	80	100
Length, in.	8	10
W't per doz., lbs.	9	18
Per doz. pairs	$21.10	24.00
	AAAJ	ABFJ
Per doz. pair	$7.20	9.00
	CIJ	EBJ
Nos.	112	114
Length, in.	12	14
W't per doz., lbs.	21	24
Per doz. pairs	$27.00	30.00
	ADAE	AEHE

Extra Jaws.

Per doz. pairs	$10.80	13.80
	EHE	JHCJ

Each jaw has two fine cutting edges. Jaws are held in place by two screws and are easily reversible.



Nos.	1	2	3
Length, in.	12	10½	9¼
Wt, doz., lbs.	27	21	18
Per dozen	$27.00	24.00	18.00
	AGEJ	AEEE	AAFE
Nos.	4	5	
Length, in.	8	7	
Wt per doz., lbs.	12	9	
Per dozen	$17.00	12.00	
	AAJJ	JGGE	

ONE IN A PACKAGE.

TINNERS' TOOLS.

TINNERS' SCRATCH AWLS.



Hurwood.

No. 77—Length 7½ in., heavy cast steel tempered and polished point, shank running through handle, riveted and headed, beech handle, polished steel ferrule, w't per doz. 3½ lbs., per dozen .....CJJ $4.00

ONE-HALF DOZEN IN A BOX.



No. 01—Ring Awl, solid steel, length 8½ in.....per dozen ABJ $1.25

WIRE CHISELS.



Cast Steel.

Width, in.	¼	⅜	½	⅝
W't doz., lbs.	½	1	1½	2¾
Per doz.	$1.00	1.10	1.20	1.35
	JEE	JFJ	JFE	JGE
Width, in.	¾	⅞	1	
W't per doz., lbs.	2¼	3¼	3¼	
Per dozen	$1.50	1.60	1.70	
	JHJ	JHE	JIJ	

¼ TO ¾ IN., ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

LANTERN CHISELS.



Cast Steel, w't per doz. 2½ lbs., per dozen .....JHJ $1.50

ONE DOZEN IN A BOX.

SOLID PUNCHES.



Cast Steel.

Nos.	0	1	2
Size, in.	9-32	¼	7-32
Tinners' rivets, lbs.	12	10	8
Per dozen	$1.50	1.50	1.50
	JGJ	JGJ	JGJ
Nos.	3	4	5
Size, in.	5/16	5-32	⅛
Tinners' rivets, lbs.	5	4	2
Per dozen	$1.50	1.5	1.50
	JGJ	JGJ	JGJ
Nos.	6	7	8
Size, in.	3-32	1/16	3-64
Tinners' rivets, lbs.	1	¾	½
Per dozen	$1.50	1.50	1.50
	JGJ	JGJ	JGJ

In Sets, including one each Nos. 1, 4 6 and prick punches, ¾ in. wire and lantern chisels, w't per set, 1½ lbs., per set .....CE $0.75

ONE DOZEN IN A BOX.

PRICK PUNCHES.



GVB, highest quality, ⅜ in. octagon tool steel, half polished, length 5¼ in., w't per doz. 2 lbs., per dozen .....BAJ $3.00

ONE DOZEN IN A BOX.



Cast Steel, w't per doz. 1½ lbs., per dozen .....JGJ $1.50

ONE DOZEN IN A BOX.

HOLLOW PUNCHES.



Diameter, in.	¼	⅜	½
W't, doz. lbs.	1½	3	4
Per dozen	$3.00	4.50	6.00
	BAE	CBJ	CBE
Diameter, in.	⅝	¾	⅞
W't, doz. lbs.	6	7½	8
Per dozen	$7.50	9.00	10.50
	DCJ	EDJ	JGEJ
Diameter, in.	1	1⅛	1¼
W't, per doz.	10½	12	15
Per dozen	$12.00	13.50	15.00
	JHFE	JIGJ	AJHJ
Diameter, in.	1½	1¾	2
W't, doz. lbs.	18	25½	27
Per dozen	$18.00	21.00	30.00
	ABIE	AEAJ	BAFJ
Diameter, in.	2¼	2½	3
W't, doz. lbs.	30	36	45
Per dozen	$33.75	37.50	45.00
	BDCJ	BGJJ	CBDJ

¼ TO ⅝ IN., ONE DOZEN; ¾ TO 1¾ IN., ONE-HALF DOZEN; 2 IN., ONE-THIRD DOZEN IN A BOX; BALANCE, LOOSE.

HAND GROOVERS.



Nos.	00	0	1	2
Groove, in.	½	7-16	13-32	⅜
W't, doz. lbs.	16½	16½	15	15
Per dozen	$9.00	9.00	7.60	7.60
	FEJ	FEJ	EDJ	EDJ
Nos.	3	4	5	6
Groove, in.	5-16	¼	3-16	5-32
W't, doz. lbs.	12	12	10½	10½
Per dozen	$6.00	6.00	4.50	4.50
	DCJ	DCJ	CBE	CBE

ONE-HALF DOZEN IN A BOX.

TINNERS' SETTING OR PANEING HAMMERS.



Solid Forged Steel, Square Face, Cross Pein, Full Polished, with Select White Hickory Handles.

No. T2 GVB—⅞ in. face, w'e less handle 12 oz., w't per doz. 14 lbs., per dozen .....DEE $6.25

No. T3 GVB—1 in. face, w't less handle 1 lb., w't per doz. 17 lbs., per dozen .....EJJ $6.75

ONE-HALF DOZEN IN A BOX.



PEXTO, Solid Forged Steel, Full Polished, Selected Hickory Handles,

Nos.	1	2	3	4
Length, in.	1⅛	1	⅞	¾
W't, doz. lbs.	15	12	8	6
Per dozen	$10.00	8.50	7.00	5.50
	JGBJ	FAJ	EJE	CIE

ONE-HALF DOZEN IN A BOX.

RIVETING HAMMERS.



Pexto Solid Forged Steel Full Polished Selected Hickory Handles.

No. 1—Sheet iron, bright cast steel, 1⅛ in., handled, w't per doz. 15 lbs., per dozen .....JBGJ $10.00

No. 2—Tin, etc., bright, cast steel, 1 in., handled, w't per doz. 12 lbs., per dozen .....FAJ $8.50

No. 3—Tin, etc., bright, cast steel, ⅞ in., handled, w't per doz. 9 lbs., per dozen .....EJE $7.00

No. 4—Tin, etc., bright, cast steel, ¾ in., handled, w't per doz. 6 lbs., per dozen .....CIE $5.50

ONE-HALF DOZEN IN A BOX.

TINNERS' TOOLS.

WROUGHT IRON STAKES, WITH STEEL FACES.



No. 1—Beakhorn stake, round end 18 in., flat end 20 in., w't 45 lbs., each .....ACHJ $15.00



No. 25—Common Blowhorn, large end 9 in., small end 17½ in., w't 19 lbs., each .....DFJ $5.00



No. 21—Double Seaming, large end 17 in., small end 12 in., w't 34 lbs., each .....HBE $9.00



No. 27—Creasing, with horn, round end 9½ in., flat end 6½ in., w't 12½ lbs., each .....DAE $4.50

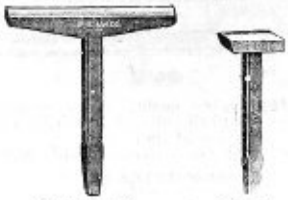


No. 57—Needle case, flat end 8 in., small end 10½ in., w't 4 lbs., each .....BJE $2.25



No. 56—Candle mould, small end 18 in., horn 8½ in., w't 6½ lbs., each .....BEJ $2.75

WROUGHT IRON STAKES, WITH STEEL FACES.



Nos. 43 to 45. No. 36.

Hatchet.

Nos.	43	44	45
Length of blade, in.	13	11	9
W't, lbs.	9	6	4
Each	$3.50	2.75	2.25
	CDJ	BEJ	BJE

No. 36—Common square, face 2⅝x4½ in., w't 11 lbs. .....each BGE $3.00

CAST IRON STAKES.



No. 49—Double seaming, with 4 heads, round, square, oblong and oval, w't 85 lbs. .....each HCJ $9.00

Extra Heads, for double seaming, A round, D oval, C square, B oblong, each .....ADJ $1.50

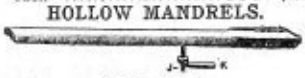
In ordering extra heads, use letters.



Cast Iron, Polished Face.

No. 71 — Conductor, turned, large end 15 in., small end 11½ in. long, w't 30 lbs., each .....CFJ $4.00

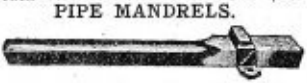
HOLLOW MANDRELS.



Polished Face.

No. 11—Hollow mandrel, entire length 3 ft. 4 in., flat part 9 in. long 6 in. wide, oval part 31 in. long, w't 45 lbs., each .....EJE $5.50

PIPE MANDRELS.



No. 65—Cast stove pipe, length 36 in., width 4½ in., w't 38 lbs., each .....CCJ $5.50

A low-priced mandrel for a dealer who does not have a regular tinshop.

Saddle which attaches the mandrel to the bench is heavy and is used as an iron to pound upon.

BENCH PLATES.



Cast Iron, Planed Surface.

No. 1—37x8 in., w't 50 lbs., each .....DFJ $5.00

No. 2—30x8 in., w't 37 lbs., each .....BGE 3.00

ROOFING TONGS.

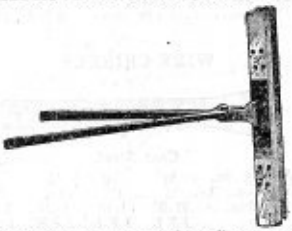


This cut illustrates a pair.

Common Roofing Tongs, steel blades, wrought iron handles, sizes ½, 1, 1¼ and 1½ in., w't 15 to 20 lbs., per pair .....BIJ $3.00

Each size turns but one size of lock. Specify size in ordering.

IMPROVED ROOFING TONGS.



No. 00—Stow's improved roofing tongs, w't 9 lbs. .....each CHE $4.00

Stow's improved roofing tongs are so made that a single pair may be easily adjusted to turn five different widths of locks, from ½ to 1½ in.

GUTTER TONGS.



This cut illustrates a pair.

Gutter Tongs, steel blades, wrought iron handles, w't 10 lbs. per pair DHJ 5.00

"HANDY" SEAMERS.



No. 791—Japanned, length 7 in., width 3⅛ in. .....per dozen ABFJ $24.00

Adjustable for seams of different widths up to ¾ in. Can be used where larger seamers would not be practical. As it is light it can be carried in tool kit of pocket.

ROOFING DOUBLE SEAMERS.



This cut illustrates a pair.

No. 4—Sizes 1x1¼ in. and 1¼x1½ in., two pairs to match make one set, w't per set 15 lbs. .....per set AGJ $1.75

TINNERS' TOOLS AND TINWARE MENDERS.

TINNERS' RIVET SETS.



Forged from Highest Quality Tool Steel, Blued Finish.

Nos.	00	0	1	2
For rivets, lbs.	14	10&12	8	6
Each	$0.75	.75	.63	.63
	DJ	DJ	CD	CD
Nos.		3	4	5
For rivets, lbs.		4&5	2½&3	1¼&2
Each		$0.50	.50	.37
		BH	BH	BJ
Nos.		6	7	8
For rivets, lbs.		1½	1¼	⅝&¾
Each		$0.37	.32	.32
		BJ	AH	AH

ONE-HALF DOZEN IN A BOX.



Forged Steel, Hardened and Tempered, Forged Finish.

Nos.	00	0	1	2
For rivets, lbs.	14	10&12	8	6
Each	$0.75	.75	.63	.63
	BD	BD	BJ	BJ
Nos.		3	4	5
For rivets, lbs.		4&5	2½&3	1¼&2
Each		$0.50	.50	.37
		AH	AH	AD
Nos.		6	7	8
For rivets, lbs.		1½	1¼	⅝&¾
Each		$0.38	.32	.32
		AD	AH	AH

ONE-HALF DOZEN IN A BOX.



P. S. & W. Co.'s Cast Steel, Gun Metal Finish

Nos.	00	0	1	2
For rivets, lbs.	14	10&12	8	6
Each	$0.75	.75	.63	.63
	DJ	DJ	CE	CE
Nos.		3	4	5
For rivets, lbs.		4&5	2½&3	1¼&2
Each		$0.50	.50	.37
		CJ	CJ	BJ
Nos.		6	7	8
For rivets, lbs.		1½	1¼	⅝&¾
Each		$0.37	.32	.32
		BJ	AH	AH

ONE-HALF DOZEN IN A BOX.

WOOD ROOFING FOLDERS.



30 in., improved, with gauge, w't 15 lbs., each ..... DHJ $5.00

30 in., common, without gauge, w't 15 lbs. ..... each CCE $3.50

TINNERS' ROOFING AND PLUMBERS' SCRAPERS.



No. 996—Solid steel, size ⅞x5⅛x10 in., w't per doz. 2 lbs., per doz. CBE $3.60

These scrapers are forged from the highest grade of steel, are well tempered, finely finished, and in all respects are perfect tools.

ONE-HALF DOZEN IN A PACKAGE.

SOLDERING COPPERS.



Sharp Point.

W't, pair, lbs.	1	1½	2	2½
Per pair	$0.35	.53	.70	.88
	DJ	EE	GJ	HE
W't per pair, lbs.	3	4	5	
Per pair	$1.05	1.40	1.75	
	JIE	ABE	AFJ	
W't per pair, lbs.	6	8	10	
Per pair	$2.10	2.80	3.50	
	AIJ	BEE	CBJ	



Wedge Point.

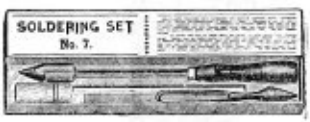
W't, pair, lbs.	4	5	6	8
Per pair	$1.40	1.75	2.10	2.80
	ABE	AFJ	AIJ	BEE

SOLDERING COPPER HANDLES.



No. 1—Soft wood, wire bound, assorted, w't per doz. 2 lbs., per doz. CF $0.60

SOLDERING SETS.



No. 7.

No. 6—One light copper soldering iron, one small round stick of solder, one box of rosin and one piece of tin, complete in pasteboard box, w't 3 lbs., per dozen sets ..... AAJ $2.50

No. 7—One heavy copper soldering iron, one scraper, one large triangular stick of solder, one box rosin, one piece of tin, complete in pasteboard box. w't 7 lbs. ..... per dozen sets BBJ $5.00

ONE SET IN A PASTEBOARD BOX.

TINWARE MENDERS.





No. 10—Universal, consisting of 3 strips of self-fluxing solder, sand paper and directions in paper package, will mend tin, copper and enameled ware, w't per doz. 1 lb., per doz. JIE $1.60

The solder is made in wire form, easy to handle and apply. All that is necessary is to heat the article, and touch the solder to the part to be soldered, when it will flow and close the hole or crack. To mend enameled ware, scrape off the enamel around the part to be mended before applying the solder.

ONE DOZEN IN A BOX.

QUICK-FIX METAL COURT PLASTER.



No. 26—12 sq. in. Metal Plaster, stick of special flux, piece of sand paper and directions in carton, w't per doz. 1 lb., per dozen ..... ACJ $2.50

ONE DOZEN IN A DISPLAY CARTON.

SOLDERING SALTS.



2 oz. bottles	per dozen AHJ	$4.50
8 oz. bottles	per dozen CFJ	9.00
1 lb. bottles	per dozen JGBJ	18.00
5 lb. jars	each AEE	3.90
10 lb. jars	each BGJ	6.75
25 lb. jars	each JFCJ	15.75

A complete substitute for the usual mixture used for soldering purposes. It makes a beter joint, is safer, cleaner, more convenient, and cheaper than the old-fashioned method. Uniform in strength, and unaffected by climatic changes.

TINNERS' TOOLS.

FIRE POTS.



No. 10—Torrid, gasoline, 11x6x4 in. sheet steel reservoir, capacity 1 gal., aluminum bronzed, cast iron horse-shoe burner, iron top, height 11½ in., w't 26 lbs.....each **F F J** $9.00



No. 3—Gem, gasoline, aluminum bronze, cast iron furnace, removable top, feed regulator, all cast brass fittings, japanned wood handle, sliding drip cup, rubber pump bulb, 21x7 in. sheet steel base, 10½x4¼ in. sheet steel reservoir, w't 24 lbs.....each **G H J** $8.00

ONE IN A CRATE.



No. 1—C. and L., gasoline, tank made of seamless drawn steel, with large funnel and filler and all fittings welded in, not soldered, making it strong and durable, capacity 7 pts., fixed brass pump, 12½ in. high, 9¼ in. diam. at base, 6¾ in. diam. at top, w't each 14 lbs.....each **F F J** $9.00

No. 5—C. and L., gasoline tank, 5 pts. capacity, 12 in. high, diam. at base 6½ in., at top 6 in., otherwise same as No. 1, w't 14 lbs..each **D I E** $6.75

These pots will heat irons and a pot of metal at same time. Top section may be removed and open flame used as a torch.

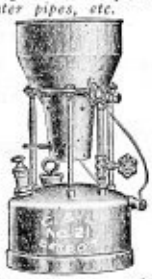
ONE IN A BOX.

FIRE POTS.



No. 2—Retroc, gasoline, heavy, welded steel tank, capacity 5 pts., fixed brass air pump, never leak type, positive needle valve, height 12 in., diam. at base 8½ in., top 6 in., w't 13 lbs., each .....**D I E** $6.00

The burner produces an intensely hot flame, free from smoke, and will quickly heat irons and a pot of metal at the same time. Top section may be removed and open flame used as a torch for brazing, melting out lead joints, thawing frozen water pipes, etc.



No. 21—C. and L., gasoline, seamless, drawn steel tank, large funnel and filler, heavy uprights, large valve, and heavy malleable top plate and one piece steel shield, burner and coils of extra heavy steel, needle point valve, automatic brass pump, height 17½ in., diam. at base 8½ in., w't each 9¾ lbs.....each **D D J** $6.00



Buttles Patent.

No. 76—Charcoal, sheet iron, japanned, height 14 in., diam. at base 6 in., top 8 in., w't 32 lbs.....each **B B E** $4.00

This fire pot is so constructed that the ashes fall into a pan beneath the coal, and the fire is kept clear and the draft is good.

ONE IN A BOX.

FIRE POTS



No. 22—Double blast, galvanized 5x12 in., steel tank, capacity 1 gal., aluminum finish, 1x10 in. brass pump, 7¾x17 in. japanned iron base, w't 28 lbs. .....each **J I H J** $12.00

Forces both hot blasts from outside to center; heats iron quickly. Can be generated either out doors or inside, and regenerated while in operation.

ONE IN A CRATE.

GAS FURNACES.

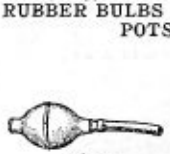


Double Burner, for Natural or Artificial Gas.

No. 4—Sheet iron from top, brick lined, arranged to receive two coppers, each .....**B G J** $4.00

Burner used gives an intense heat, makes no smoke and economizes time. A very desirable furnace in every shop, as an air blower is not required when heating coppers.

RUBBER BULBS AND MELTING POTS.



No. 45.



No. 65.

No. 45—For gasoline fire pots, w't ¼ lb., each .....**C E** $1.00

No. 65—Size 5 in., cast iron with bail, w't each about 3¼ lbs. ..each **J C J** $0.50

Will fit any make of furnace.

STANDARD WIRE GAUGES.



No. 2—Cast steel, round, small, gauges Nos. 6 to 36, w't per doz. 1 lb., per dozen .....**A E H E** $10.00

No. 1—Cast steel, round, large, gauges Nos. 0 to 36, w't per doz. 2½ lbs., per dozen .....**B D E J** $48.00

ONE-HALF DOZEN IN A BOX.





LAMPS & LANTERNS

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Gauge Glasses and Cutters	1023
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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





LANTERNS.

All Lanterns have special Globe Lift, Basket Globe Guards and Extra Heavy Brass Burners. All Lanterns have extra large oil hole with brass screw cap set at such an angle that the lantern can be easily filled without removing the globe. The large tinned handle is made to remain upright when desired.

Lanterns burn a clean and exceedingly white light. The flame is white to the very feather edge, and entirely free from smoke.

SUPREME LANTERNS.



Large Fount, Burns 30 Hours, Heavy Brass Burner, 1 Inch Wick, No. 616 Selected Crystal Globe, Height 14 Inches.

No. 162—Supreme, bright tin, retinned, w't per doz. 50 lbs., per dozen ..... **JIIJ** $16.50

No. 163—Entirely red enameled, baked on, otherwise same as No. 162, per dozen ..... **AJBJ** $17.00

No. 165—Supreme, polished brass fount and top cap, heavy steel wire grooved under bottom edge, w't per doz. 50 lbs., per doz. **ACEJ** $22.50

These lanterns have a new globe-holding device which permits of some variation in the height of the globe, and at the same time makes unnecessary the use of a spring in the top. The guard, the lift, and the reinforced bottom are exclusive features.

ONE-HALF DOZEN IN A CASE.

DASH.



No. 182—Supreme Dash, large size fount, burns 30 hours, heavy brass burner, 1 in. wick, bull's eye attached to globe plate, retinned reflector, with dash spring, No. 616 selected crystal globe, red japanned, w't per doz. 50 lbs., per dozen..... **ADGJ** $24.50

No. 183—Blue japanned otherwise same as No. 182, per dozen **ADAJ** $23.50

These lanterns will not blow out in any wind. ONE-HALF DOZEN IN A CASE.

COLD BLAST.



Large Size Fount, Burns 30 Hours, Heavy Brass Burner, 1 Incn Wick, No. 2 Selected Crystal Cold Blast Globe No. 611.

No. 2—Tin fount, full weight IX-AAA charcoal plate, heavily retinned .....per dozen **JHEJ** $14.20

No. 2500—Planished copper fount and top cap, with bright red enameled tubes and dome, per dozen ..... **AAAJ** $18.50

No. 2600—Blue enameled tubes and dome, otherwise same as No. 2500, per dozen ..... **AAAJ** $18.50

W'T PER DOZ. 40 LBS.

"BANTIE" COLD BLAST.



Fount Holds Oil to Burn Twenty Hours, Extreme Height 12½ Inches, Width Over Tubes 7½ Inches, Brass Burner with ⅝ Inch Wick, Crystal "Bantie" Cold Blast Globe No. 610.

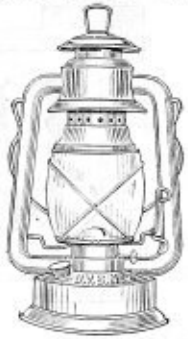
No. 1—Bantie, tin fount, heavily retinned, per dozen **JGBJ** $12.00

No. 10—Bantie, polished brass, per dozen ..... **ABCJ** $20.50

These lanterns will not blow out in any wind.

ONE-HALF DOZEN IN A CASE. W'T PER DOZ. 30 LBS.

MAMMOTH COLD BLAST.



No. 192—Mammoth size tin fount, full weight IX-AAA charcoal plate, heavily retinned, burns forty hours, No. 2 one inch wick, No. 2 selected crystal cold blast globe No. 616, w't per doz. 44 lbs., per dozen ..... **AADJ** $19.00

This lantern is truly the farmer's friend. The large fount and the perfect clean light, make it require but little care, for which reason it is so popular, especially for a barn lantern.

ONE-HALF DOZEN IN A CASE.

ORDINANCE.



No. 104—Red enameled, height 12½ in., corrugated bright tin reflector with 2¼ in. ruby lens rear signal, steel burner with ⅝ in. wick, bull's eye mounted on globe plate, crystal "Bantie" cold blast globe No. 610, extra strong steel side holder, w't per doz. 38 lbs...per dozen **ABCJ** $20.50

This lantern is made to meet the requirements of various state and city laws. Throws a strong, white light forward, and the rear signal is visible many hundred feet from the rear. This lantern is a necessary road protection against speeding automobiles. The flat steel holder is made extra strong and with a very long tongue so that the lantern cannot jar off. It is the modern road lantern.

ONE-HALF DOZEN IN A CASE.



No. 252
O V B



No. 105
O V B

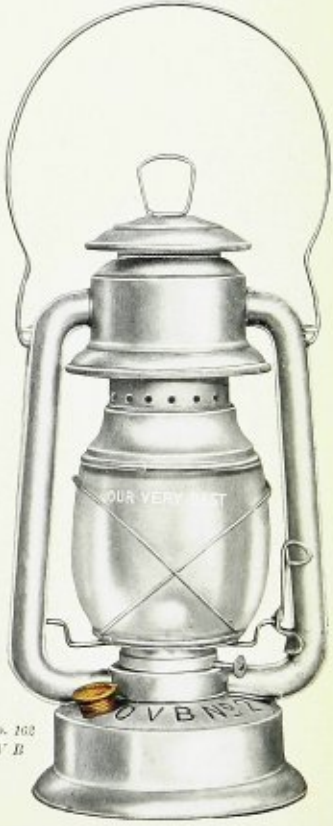


No. 165
O V B



No. 182
O V B





No. 162
O V B

For prices and descriptions see pages 1001 and 1002.

LANTERNS.

All ⓗⓢⓑ Lanterns have special ⓗⓢⓑ Globe Lift, ⓗⓢⓑ Basket Globe Guards and ⓗⓢⓑ Extra Heavy Steel Burners. All ⓗⓢⓑ Lanterns have extra large oil hole with brass screw cap set at such an angle that the lantern can be easily filled without removing the globe. The large tinned handle is made to remain upright when desired.

ⓗⓢⓑ Lanterns burn a clean and exceedingly white light. The flame is white to the very feather edge, and entirely free from smoke.

TUBULAR.



Fount Holds Kerosene to Burn Eighteen Hours, Extra Size Funnel Shape Filler Cap and Screw, Heavy Steel Burner, ⅝ Inch Wick, Brass Bound Globe Lift Between Tubes, Substantial Globe Guard, Tubular Globe.

No. 242 ⓗⓢⓑ—With crystal globe No. 600, heavily retinned, w't per doz. 30 lbs.....per dozen **EHJ** $9.70

These lanterns are used by railroad companies and contracting companies to signal danger.

ONE DOZEN AND ONE-HALF DOZEN IN A CASE.

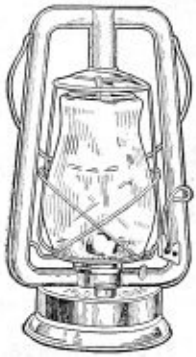
DASH.



No. 299 ⓗⓢⓑ—Tubular Dash, fount holds kerosene to burn eighteen hours, extra size funnel shape filler cap and screw, heavy steel burner, ⅝ in. wick, brass bound globe lift between tubes, substantial globe guard, No. 0 tubular globe, with bull's eye lens mounted on perforated globe plate, japanned tin, with corrugated reflector and spring dashboard attachment, w't per doz. 35 lbs.....per dozen **JHDJ** $14.00

ONE-HALF DOZEN IN A CASE.

CONTRACTORS'.



Side Lift, Steel Burner, ⅝ Inch Wick.

No. 240—Cruso, with No. 600 crystal globe, w't per doz. 30 lbs., per dozen .....**DHJ** $8.00

No. 2433—Cruso, with No. 603 ruby globe, w't per doz. 35 lbs., per dozen .....**EGJ** $9.50

These are nicely tinned, serviceable lanterns at very special prices.

ONE DOZEN IN A BOX.



No. 215. No. 2150.

No. 215 ⓗⓢⓑ—Blue lacquered bright tin hood, 6 in. deep, 8 in. outside diameter, 5 in. silvered glass reflector, high cone burner, ⅝ in. wick, No. 0 crystal tubular globe—No. 600, with spring dash board attachment, w't per doz. 35 lbs., per dozen .....**AGAE** $28.60

No. 2150 ⓗⓢⓑ—Car Inspector's, substantial handle, and bail, without dash board attachment, otherwise same as No. 215 ⓗⓢⓑ, per dozen .....**AGGE** $29.60

ONE-HALF DOZEN IN A CASE.

LITTLE GIANT LANTERNS.



No. 775—Heavy tin, retinned, No. 2 steel burner, 1 in. wick, No. 616 short cold blast globe, w't per doz. 50 lbs., per dozen .....JHFE $14.40

This is a good lantern at a very special price.

ONE-HALF DOZEN IN A CASE.

COLD BLAST.



No. 12—Cruso, cold blast, tubular, side globe lift, No. 2 steel burner, 1 in. wick, No. 2 crystal cold blast globe—No. 611, w't per doz. 50 lbs., per dozen .....**JGEE** $12.60

In every way a high grade lantern, at a very special price.

ONE-HALF DOZEN IN A CASE.

LANTERNS, STREET LAMPS AND SEARCHLIGHTS.

AIR-O-LANTERNS.



No. 319—Brass, nickel plated, diameter 7 in., height 16 in., capacity 1 qt., burns 12 hours, mica chimney, two No. 121 Junior Rag mantles, with extra generator, w't filled 7 lbs., each .....**JFJJ** $10.00

The Air-O-Lantern is a great outside lamp. Guaranteed storm proof. As handy as a lantern and as brilliant as a street light. Made extra heavy. Explosion is impossible. Uses two small durable mantles which usually last a long time. Light burns all right with one mantle gone. Just the thing for threshermen, contractors, campers, etc.

ONE IN A BOX.

LADIES' HOUSE LANTERNS.



No. 7001.

No. 7001—Cadet, brass plated, height 7¼ in., diam. of base 3 in., Cadet crystal globe No. 16, ¾ in. wick, for kerosene, w't per doz. 7 lbs., per dozen .....**BDE** $4.10

No. 7001R—Cadet, red stained globe, otherwise same as No. 7001, per dozen .....**BGE** $4.50

No. 70—Cadet, tin, otherwise same as No. 7001 .....per dozen **AAJ** $1.80

No. 50—Eldnac, japanned tin base, with candle holder, for No. 2 Sun crimp chimney, without candle or chimney, per dozen .....**JGJ** $1.20

No. 51—Eldnac, with No. 2 crimped chimney No. 402, otherwise same as No. 50 .....per dozen **ADJ** $2.25

CANDLE LANTERNS.



No. 51.

No. 7001—Cadet, brass plated, height 7¼ in., diam. of base 3 in., Cadet crystal globe No. 16, ¾ in. wick, for kerosene, w't per doz. 7 lbs., per dozen .....**BDE** $4.10

No. 7001R—Cadet, red stained globe, otherwise same as No. 7001, per dozen .....**BGE** $4.50

No. 70—Cadet, tin, otherwise same as No. 7001 .....per dozen **AAJ** $1.80

No. 50—Eldnac, japanned tin base, with candle holder, for No. 2 Sun crimp chimney, without candle or chimney, per dozen .....**JGJ** $1.20

No. 51—Eldnac, with No. 2 crimped chimney No. 402, otherwise same as No. 50 .....per dozen **ADJ** $2.25

STREET LAMPS.

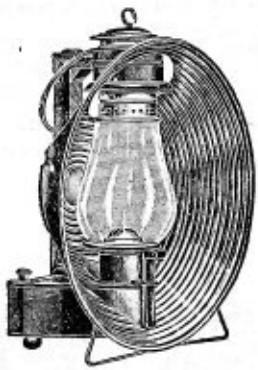


No. 3—No. 3 tubular crystal street globe —No. 622, No. 2 tubular burner, 1½ in. wick, large tin front with device for automatically extinguishing light at any time desired, painted green, for post, height 27 in., each... **DJJ** $6.60

Constructed on the cold blast principle, gives a steady light and will not blow out in any wind.

ONE IN A BOX, W'T 26 LBS.

SEARCH LIGHTS.



No. 35—Height 14¼ in., blue lacquered, 12 in. corrugated bright tin reflector, 5½ in. deep, No. 2 brass burner, 1 in. wick, No. 2 crystal globe No. 611, w't per doz. 66 lbs., per dozen .....**BFDJ** $44.00

Constructed on the cold blast principle and will not blow out in any wind.

ONE-QUARTER DOZEN IN A CASE.

POLICE LANTERNS.



No. 67—Japanned tin, height 7½ in., 3 in. bull's eye, with flash light, w't per doz. 20 lbs., per dozen, **JIFJ** $16.00

These lanterns are generally used by night watchman.

TWO DOZEN IN A CASE.

RAILROAD LANTERNS.



No. 229. No. 394.

No. 229 Nickel plated brass, highly polished, 9½ in. high large bail, No. 1 lard oil ratchet burner, ⅝ in wick, Pullman crystal flint globe No. 2030 w't per doz. 35 lbs., per dozen.....**EJDJ** $84.00

No. 230—Nickel plated brass, highly polished, Pullman half ruby and half flint globe No. 2031, otherwise same as No. 229 per dozen **JFHDJ** $114.00

No. 235—Nickel plated brass, highly polished, Pullman half green and half flint globe No. 2032, otherwise same as No. 229 per dozen **JFHDJ** $114.00

LOOSE.

No. 394—Height 10 in., with outside wick raiser, wire bottom, seamless fount, No. 1 long shaft, lard oil ratchet burner, ⅝ in. wick, No. 39 crystal globe—No. 630—double wire guard, w't per doz. 40 lbs., per doz. **JIFJ** $16.00

No. 0394—Without globe, otherwise same as No. 394....per dozen **JHDJ** $14.00

The above lanterns are so constructed that the wick may be adjusted without removing the fount or globe. Are electric welded and very strong.

ONE-HALF DOZEN IN A CASE.

SWITCHMEN'S LANTERNS.



Short, compact, light weight. The handle is of bent wood and being larger in diameter gives a firmer grip than the customary wire bail.

No. 90—No. 1 lard oil burner, ⅝ in. wick, rigid wooden bail, No. 39 crystal globes—No. 630—height 8 in., extreme height to top of bail 13 inches, bright tin base, w't per doz. 58 lbs., per dozen .....**ADDJ** $24.00

No. 92—No. 2 burner, 1 in. wick, otherwise same as No. 90, per dozen .....**ADDJ** $24.00

ONE-HALF DOZEN IN A CASE.

LAMPS, LAMP BRACKETS AND REPAIRS.

DRIVING LAMPS.



No. 354—Dietz Union, tubular, japanned tin, 11½ in. high, 5½ in. front lens, aluminum reflector, with ruby rear light, ⅝ in. wick, spring at back to attach to dash board, detachable holder for fastening to either right or left side of vehicle, w't per doz. 68 lbs.....per dozen **CCJJ** $52.00

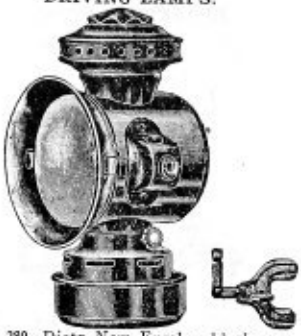


No. 295—Duplex, black enameled body, 4½ in. front lens with polished brass rim, 2⅛ in rear ruby lens, ⅝ in. wick, right or left hand, complete with dash clamp holder, shipping w't per doz. 32 lbs. .....per dozen **BAFJ** $27.00

Will not blow or jar out. Throws brilliant white light to front, large red warning signal to rear.

ONE-HALF DOZEN IN A CASE.

DRIVING LAMPS.



No. 280—Dietz New Eureka, black enameled nickel plated door rim, 7½ in. high, 3 in. door lens, 2 in. rear ruby lens, ⅝ in. wick, right or left hand, complete with dash clamp holder, shipping w't per doz. 25 lbs., per dozen .....**ACHJ** $18.00

Lamps for left side are always furnished unless the right hand pattern is ordered. Especially adapted for use on light vehicles.

ONE DOZEN IN A CASE.



No. 44-D—Never Out, polished brass 9¼ in. high, 3½ in. magnifying front lens, polished aluminum reflector, large ruby side and rear lights, with No. 46-D bracket for left side of vehicle, w't per doz. 25 lbs., per dozen .....**CDEE** $57.60

No. 42-D—Never Out, gun metal finish, on brass, otherwise same as No. 44-D, per dozen .....**CFJJ** $60.00

No. 46-D—Never Out, nickel plated brass, otherwise same as No. 44-D, per dozen .....**CFJJ** $60.00

The above lamps burn ordinary kerosene, and are provided with a safety device which prevents the wick from being shaken down by the jarring of the vehicle.

These lamps comply with the various town, city and state laws requiring a lamp that shows a red light visible 200 feet from the rear and a white light the same distance from the front.

ONE IN A BOX.

DRIVING LAMPS.



No. 352 — Ham's Argus, black japanned, with polished brass doors, 9 in. high, 4¼ in. beveled plate glass lens, polished aluminum reflector, large red rear signal, automobile kerosene burner, flat hold-tite socket, with detachable holders for either wagon body or dashboard, for left side of vehicle, w't per doz. 56 lbs., ...per dozen **BHHJ** $48.00

The above lamps are constructed on the cold blast principle, and will not blow out in any wind. Burn ordinary kerosene.

ONE-HALF DOZEN IN A CASE.

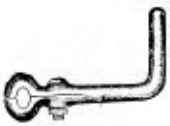
LAMP BRACKETS.



No. 46D. No. 7D.

No. 46D—Dash clamp brackets, per dozen .....**BDJ** $4.00

No. 7D—Screw brackets to be permanently attached to vehicle by bolts or screws .....per dozen **AHJ** $3.00



No. 47D—Brackets to clamp horizontal rod of vehicle top .....per dozen **BDJ** $4.00

DRIVING LAMP REPAIRS.

No. 441D—Lenses, for Nos. 44D, 43D, 42D and 41 D driving lamps, each .....**BE** $0.40

No. 3541D—Lenses, for No. 354 Dietz Union driving lamp, each **EE** $0.90

No. 443D—Polished brass bottom caps, for Nos. 44D and 43D lamps, each .....**CE** $0.60

No. 444D—Gun metal bottom caps, for Nos. 42D and 41D lamps, each .....**CE** $0.60

No. 442D—Fount and burner for above lamps .....each **JFJ** $1.00

LAMPS.

STATION LAMPS.



Square, Tin, Lacquered Blue.
No. 21—8x10 in., height 17 in., No. 2 burner, 1 in. wick, 8 in. silvered reflector, shipping w't 18 lbs., each .....**BBJ** $3.60
ONE IN A CASE.



Triangular, Tin, Lacquered Blue.
No. 34—12x12 in., back 14 in., height 21 in., No. 2 burner, 1 in. wick, 10 in. silvered reflector, shipping w't 22 lbs., each .....**BDJ** $4.00
ONE IN A CASE.

PLANTATION HAND LAMPS.



No. 641—Polished brass, diam. base 3¾ in., height 2 in., with No. 1 Simplex burner, ¾ in. wick, w't per doz. 2¼ lbs. .....per dozen **AEJ** $2.30
ONE DOZEN IN A BOX.

NIGHT LAMPS.



No. 643—New Villa, 3¼ in. square, brass plated tray, glass fount, brass burner, ⅜ in. wick and nutmeg chimney — No. 470, w't per doz. 5 lbs., per dozen.....**ABJ** $2.00
This is an attractive article for a leader. Founts in assorted colors, clear, amber and blue.
ONE DOZEN COMPLETE IN A BOX.

BRACKET LAMPS.



No. 553—Bronzed bracket, with swinging socket, 8 in. silver glass reflector, No. 9120 filler fount, No. 2 Sun burner, and No. 2 Sun crimped chimney, w't per doz. 50 lbs., per dozen .....**JFAJ** $10.20
ONE DOZEN IN A CASE.



No. 556—French bronze finish bracket, No. 9119 handled glass filler fount, 8 in. silvered glass reflector, No. 2 Sun burner and chimney, w't per doz. 51 lbs. .....per dozen **JHAJ** $13.50
No. 5561D—Wall plates, for No. 556 bracket lamps ....per dozen **CE** $0.60
ONE DOZEN IN A CASE.



No. 560—Gilt ring bracket, polished brass fount, No. 102 Premier burner, No. 402 chimney, 8 in. silvered glass reflector, w't per doz. 35 lbs., per dozen .....**AADJ** $19.00
ONE DOZEN IN A CASE.

KITCHEN SIDE LAMPS.



No. 816.



No. 618.

No. 816—Heavy tin blue lacquered frame, 7 in. corrugated tin reflector, No. 9123 glass fount, No. 2 burner and No. 2 chimney, w't per doz. 35 lbs. .....per dozen **CBE** $5.40
No. 0816—Frame and fount without chimney or burner, otherwise the same as No. 816, per doz. **ABJ** $2.00
NO. 816, ONE DOZEN; NO. 0816, SIX DOZEN IN A CASE.
No. 618—Tinned steel frame, No. 9123 glass fount, No. 2 Sun burner and chimney, 7 in. tin reflector, w't per doz. 35 lbs. .....per dozen **CDJ** $5.0
ONE DOZEN IN A CASE.



No. 583—Japanned tin fount, No. 2 Sun burner and chimney, tin reflector 9x10¼ in., w't per doz. 35 lbs., per dozen .....**DEE** $7.60
ONE DOZEN IN A CASE.

LAMP BRACKETS.



No. 5560—Bronze finish, lacquered to prevent tarnishing, machine cut threads in the bowl, hangs level and rigidly, projects 13 in., w't per doz. 13 lbs. .....per dozen **BAJ** $3.50
ONE-HALF DOZEN IN A PACKAGE; ONE-HALF GROSS IN A CASE.

LAMP BRACKETS, REFLECTORS AND TABLE LAMPS.

LAMP BRACKETS.



No. 5530—Ring, bronze finish, lacquered to prevent tarnishing, with wall plate and reflector pin, 5 in. ring, projects 11 in., w't per doz. 11 lbs., per dozen .....**AJJ** $1.70
ONE DOZEN IN A PACKAGE; ONE GROSS IN A CASE.

GLASS REFLECTORS.



Nos. 27 to 16.

No. 12—5 in., silvered glass, flat back, for hood reflector lanterns, w't per doz. 3 lbs. .....per dozen **ADE** $2.40
SIXTEEN DOZEN IN A BARREL.

Silvered Glass with Metal Back, for Bracket and Station Lamps.

No. 27—7 in., one doz. in a box, w't 16 lbs. .....per dozen **BDJ** $4.00
No. 27½—7 in., in full barrels of 4½ dozen, w't 62 lbs., per barrel .....**JHEJ** $14.20
No. 13—8 in., one dozen in a box, w't 18 lbs. .....per dozen **BIJ** $4.80
No. 13½—8 in., in full barrels of 3½ dozen, w't 56 lbs., per barrel .....**JHAJ** $13.50
No. 16—10 in., in boxes of 1 dozen or barrels of 2 dozen, w't per doz. 27 lbs., per dozen .....**CHJ** $6.30

LAMP FOUNTS.



Nos. 9123 and 9623. Nos. 9120 and 9620.

No. 9123—Glass kitchen lamp founts, No. 2 brass collar, for Nos. 618 and 816 kitchen lamps, one dozen in a box, w't 12 lbs. .....per dozen **JHE** $1.40
No. 9623—Full case of 6 dozen, w't 109 lbs., otherwise same as No. 9123, per case .....**BIJ** $4.80
No. 9120—Glass filler founts, No. 2 brass collar, fits all standard size iron brackets, 1 dozen in a box, w't 15 lbs., per dozen .....**ACJ** $2.20
No. 9620—Full case of 6 dozen, w't 100 lbs., otherwise same as No. 9120, per case .....**EAJ** $8.50

LAMP FOUNTS.



No. 9119. No. 9130.

No. 9119—Glass, handled filler fount, No. 2 brass collar, for hand lamp use, fits all standard size iron brackets, 1 dozen in a box, w't 19 lbs., per dozen .....**AIJ** $3.20
No. 9419—Full case of 4½ dozen, w't 100 lbs., otherwise same as No. 9119, per case .....**JFJJ** $10.00
No. 9130—Brass flat filler fount, No. 2 collar, fits all standard size iron brackets, w't per doz. 7 lbs., per dozen .....**JFGJ** $11.20
ONE DOZEN IN A PACKAGE.

TABLE LAMPS.



No. 1140.

No. 1140—Brass bowl with bronzed iron base, height 10¾ in., No. 2 collar, no burner or chimney, w't per doz. 27 lbs., per dozen ....$17.50 **AJEJ**

No. 1143—Complete with No. 2 Sun burner and chimney—No. 402—w't per doz. 30 lbs., otherwise same as No. 1140 .....per dozen **AAGJ** $19.50
ONE DOZEN IN A BOX.



No. D1152. No. 9946.

No. D1152—Heavy pressed glass, height 10¾ in., extra large bowl or fount, No. 2 brass collar, cement fastening, without burner or chimney, per dozen .....**CFJ** $6.00
No. D1152½—Full barrels of 1½ dozen, w't 90 lbs., otherwise same as No. D1152.....per barrel **CIJ** $6.50
No. D1153—Complete with No. 2 Sun burner and chimney—No. 402—otherwise same as No. D1152, per dozen .....**EAJ** $8.50
No. 9946—Glass, new bead design, one piece, very heavy, clear crystal glass, new patent glass collar, with brass thread, for No. 2 burner, height 10¾ in., without burner or chimney, open stock .....per dozen **CFJ** $6.00
No. 9946½—Full barrel of 2 dozen, w't 106 lbs., otherwise same as No. 9946, per barrel .....**EGJ** $9.50
No. 9943—Complete with No. 2 Cruso brass burner, and No. 402 crimp top chimney, otherwise same as No. 9946, per dozen .....**EJE** $8.40

SEWING LAMPS.



No. 9945. No. 10D.

No. 10D—Mammoth, moulded glass, height overall 19 in., base 6x6 in., extra large ornamental fount with clinch collar, large bulb, ornamental chimney to match fount, complete with No. 2 burner, w't per doz. 90 lbs., per dozen .....**JGBJ** $12.00
No. 9945—Jumbo, height 19 in., new Grecian design, square base, extra large fount with new patent glass collar, large ornamental chimney to match fount, No. 2 brass burner, w't per doz. 100 lbs., per dozen .....**JHAJ** $13.50
ONE DOZEN IN A CASE.

GLASS LAMPS.



No. 1200-D. No. 700.

GIANT PARLOR LAMP.

No. 1200D—Combination pressed and blown fount, diam. at base 6 in., imitation cut glass bottom, capacity 3 pints, special brass clinch on collar, No. 2 brass burner, mammoth globe chimney, height over all 15 in., w't per doz. 65 lbs., per dozen **JICE** $10.00
This has the largest fount of any glass table lamp made.
ONE DOZEN IN A BARREL.

CRYSTAL STAND LAMPS.

No. 700—No. 2 collar, plaster fastening, height 8¾ in., without burner or chimney, w't per doz. 30 lbs., per dozen .....**AHJ** $3.00
THREE AND ONE-HALF DOZEN IN A BARREL.

MAMMOTH STORE LAMPS.

CENTRAL DRAFT TABLE.



No. 9060.

No. 9060—Naugatuck, brass, nickel plated, ratchet wick raiser, patent chimney lift, outside filler, complete with 10 in. white dome shade, No. 2 Rochester chimney and wick,
per dozen .....**AIBJ** $32.00

ONE-HALF DOZEN IN BARREL, W'T 55 LBS.

STUDY.



No. 6883—Miller's Ideal Study, brass, nickel plated, complete with 7 in. white dome shade—No. 703—No. 0 Rochester chimney—No. 230—and No. 1 study wick, w't per doz. 72 lbs., per dozen .....**DCBJ** $72.00

TWO DOZEN IN A CASE.

MAMMOTH STORE.



Nos. 9273 and 09273.

VESTAL, No. 2, Central Draft, Fount Holds 3 Pints of Oil, Burns 8 Hours, Complete with No. 2 Rochester Chimney and Wick, With or Without Shade as Listed Below.

No. 9173—Polished brass, 14 in. white dome shade No. 1402, complete, w't 6 lbs.....each **BDJ** $4.70

No. 09173—Nickel plated brass, otherwise same as No. 9173, complete, each .....**BEJ** $4.95

No. 9273—Polished brass, 20 in. corrugated tin shade No. 20, complete, w't 5½ lbs.....each **AIE** $3.75

No. 09273—Nickel plated brass, otherwise same as No. 9273, complete, each .....**BJE** $4.00

No. 9373—Polished brass, without shade, otherwise complete, w't 5 lbs., each .....**AFJ** $3.15

No. 09373—Nickel plated brass, without shade, otherwise complete, w't 5 lbs., each .....**AGE** $3.40

ONE-HALF DOZEN IN A PACKAGE.

MAMMOTH STORE.



Nos. 1114 and 01114.

JUNO, No. 3, Central Draft, Embossed Fount, Holds 1 Gallon of Oil, Burns 12 Hours and Gives a Light Equal to 300 Candle Power, Equipped with Oil Indicator to Prevent Over-Filling, Combined Screw and Ratchet Movement, Simple Re-wicking Device and Patent Drip, Complete with No. 3 Rochester Chimney and Wick, With or Without Shade as Listed Below.

No. 1114—Polished brass, 14 in. white dome shade No. 1402, complete, w't 8¾ lbs.....each **CGJ** $7.25

No. 01114—Nickel plated brass, otherwise same as No. 1114, complete, each .....**CIE** $7.75

No. 1120—Polished brass, 20 in. corrugated tin shade No. 20, complete, w't 7 lbs.....each **CCJ** $6.45

No. 01120—Nickel plated brass, otherwise same as No. 1120, complete, each .....**CFJ** $7.00

No. 1128—Polished brass, without shade, otherwise complete, w't 6 lbs., each .....**CAJ** $6.10

No. 01128—Nickel plated brass, without shade, otherwise complete, w't 6 lbs., each .....**CDJ** $6.75

ONE-HALF DOZEN IN A PACKAGE.

IMPROVED READING LAMPS



No. 307 REVONOC—Brass, nickel plated, height 22 in., capacity 3 qts.—2 qts. gasoline, 1 qt. air—10 in. ribbed opal dome shade No. 1004, two No. 121 Junior Rag mantles, burns 25 hours to one filling, complete with pump and all accessories, w't 10 lbs., each ..... **J F J J** $10.00



No. 317 REVONOC—Satin finished fancy shade No. 3170 with 3½ in. crystal fringe, w't 12 lbs., otherwise same as No. 307, each..... **J F E J** $10.80

The REVONOC *reading lamp is the most improved gasoline reading lamp made. The air intake is away from the center of heat, so that the gas is mixed with a large proportion of oxygen, resulting in the most perfect combustion. Really burns more air than gasoline. The filler cap and pump connection are concealed under the fount shell. Just set pump in valve seat and work plunger. No threaded connections to bother with. Ball check in the standard near the fount allows only a drop of the gasoline to get through at a time. This regulates the flow so that even if lighted lamp should be dropped and entire upper structure smashed to pieces, the gasoline is still held in the fount safe from the flame. The shade can be removed in 15 seconds without in any way disturbing the mantles. Light can be turned up or down to any brilliancy desired up to 300 C. P. Special hanger supplied with each lamp so it can be used as a hanging instead of a table lamp.*

ONE IN A BOX.



No. 318 REVONOC—Fancy decorated shade, No. 6577, otherwise same as No. 317, each ..... **J F E J** $10.80

ONE IN A BOX.

REPAIR PARTS FOR REVONOC LAMP.

No. NA18—Generator tip, each	**A H**	$0.30
No. NA58—Generator wick, each	**J F**	.10
No. NA59—Tip screen, each	**J F**	.10
No. NA007—Cleaning needle, each	**J F**	.10
No. NA59-12—Set of generator wick, tip screen and cleaning needle, in envelope..... per set	**A H**	$0.30
No. NA—Lighting forks, each	**A J**	$0.16
No. NA—Pump ..... each	**D J**	.70



No. 224—Astley, portable, nickel plated on brass, height 25 in., capacity 3 pints gasoline, burning from 15 to 30 hours, depending upon light wanted, 12 in. 6 panel amber glass art shade with fringe to match, complete with pump, non-overflow funnel, alcohol can, cleaning needle, etc., w't 21 lbs., each ..... **J I J J** $15.00

The Astley lamp has a patent sliding generating cap which does away with use of alcohol swab. Shade rests on a cast ring and can be instantly placed or removed without touching a screw. Has 9 in. base, so that lamp is not top-heavy.

ONE IN A BOX.



No. 404. No. 408.

No. 404—Powerlight, Burns either gasoline or kerosene, brass nickel plated, height 22 in., diameter of base 8¼ in., capacity 3 quarts, burns 30 hours to a filling, No. 1001. 10 in. opal dome shade, two No. 121 Junior Rag mantles, complete with pump and all accessories, w't 10 lbs., each ..... **J F J J** $10.00

No. 408—Powerlight, with 12 in. special fancy satin finished shade, otherwise same as No. 404, each **J F I J** $11.50



No. 409—Powerlight, with 14 in. six panel extra fancy art dome, otherwise same as No. 404, each **J I J J** $15.00

The Powerlight reading lamp burns 3% fuel, 97% air. Burns either gasoline or kerosene without changing parts, generating cup attached to generator, no torch required. Generator removable without disturbing shade or mantles. Heavy cast shade ring, adjustable, fits any standard lamp shade, has loop for hanging. Simple, durable and fool proof.

ONE IN A BOX.

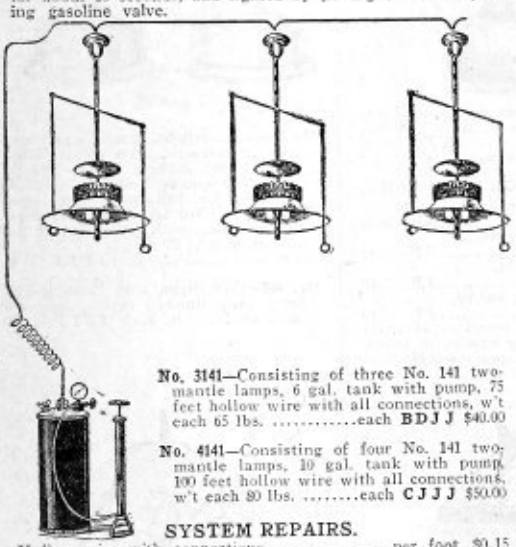
LIGHTING SYSTEMS AND GASOLINE LAMPS.

H. S. B. SPECIAL LIGHTING SYSTEM.

The generator in every H. S. B. Special system lamp is made of extra heavy brass tubing, and shielded with a copper deflector to prevent it from cooling while the lamp is burning. It is almost self-cleaning. A few turns of a thumb screw forces a steel cleaning needle through the orifice in the generator tip from the inside, and drives out any impurities that may have been in the gasoline. This is a very important feature, as the orifice is about the diameter of a human hair, and might quite easily become stopped up. It also prevents the enlargement of this orifice, which is the most frequent cause of complaint in other makes of lamps.

The generator in two-mantle lamps may be easily removed or replaced without disturbing the mantles. This is a patented feature, and as it makes it so easy to clean the generator, will be much appreciated by every user.

Almost as easy to operate as city gas. Generated by placing lighted alcohol torch through opening in lamp frame for about 60 seconds, and lighted by pulling chain or opening gasoline valve.



No. 3141—Consisting of three No. 141 two-mantle lamps, 6 gal. tank with pump, 75 feet hollow wire with all connections, w't each 65 lbs. .....each **B D J J** $40.00

No. 4141—Consisting of four No. 141 two-mantle lamps, 10 gal. tank with pump, 100 feet hollow wire with all connections, w't each 80 lbs. .....each **C J J J** $50.00

SYSTEM REPAIRS.

Hollow wire with connections	per foot	$0.15
Hollow wire without connections	per foot	.10
Nuts and jambs for hollow wire—2 pieces—	per pair	.12
Silver solder for hollow wire	per ounce	2.00
Straight connections	each	.38
3-way tee connections	each	.50
4-way tee connections	each	.50
5-way cross connections	each	.65
German silver burner tips		.40
Generator casting complete, for one mantle [illegible] system lamps	each	3.50
Removable generators, for two-mantle [illegible] system lamps	each	2.50
Two-mantle generator tubes, packed	each	1.00
Generator tips	each	.50
Asbestos packing, for generator tubes	each	.25
Cleaning needles, for generator tips	each	.38
Fixture drop tubing, oxidized copper ⅝ or ¾ in., per foot or fraction	each	.50
Couplings, for drop tubing	each	.50
Tank air valves	each	2.50
Tank gasoline valves	each	3.25
Tank nuts and jambs	each	.30
Tank pressure gauges	each	4.35
Tank washers	each	.10

Tested Steel Tanks with Pressure Gauge and Valves.

3 gallon	each	$11.25
6 gallon	each	12.50
10 gallon	each	15.00
No. 10t-D—Large automobile foot pumps	each	3.75

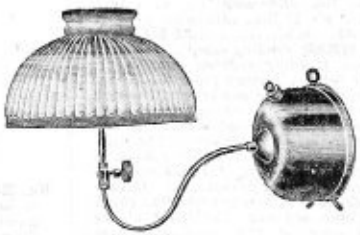
H. S. B. Special lighting systems are permitted by the National Board of Fire Underwriters without any increase in insurance rates.

GASOLINE LAMPS.



No. 319—Air-O-Lite Chandelier, composed of two separate Air-O-Lite burners either one or both of which can be lighted as desired, fount 18 gauge brass, heavily nickel plated, capacity 6 pts., supplies both burners from 16 to 18 hours, height 27 in., shipp ng w't 16 lbs., each **J I J J** $15.00

Designed for lighting stores, school houses, etc. Casts no shadows.



No. 320—Air-O-Lite, bracket or wall lamp, ribbed opal 10 in. dome, diameter of fount 7 in., height 13 in., shipping w't 9 lbs. .....each **E D J** $9.00

Adapted for many uses where it is more convenient than table lamp. Handy for kitchen, low ceilings, etc.

ONE IN A BOX.

GAS LIGHTS, BURNERS AND BY-PASSES

LAMPS AND BURNERS.



No. 950—Triplex, brush brass, with bent tube, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with octagon globe and high grade mantle, w't per doz. 6 lbs., per dozen .....**JIDJ** $17.60

The design is graceful and artistic. Very accurately proportioned to secure the most perfect mixing and combustion of the gases. Can be used with bent tube as illustrated, straight down without bent tube or as an upright burner.

ONE COMPLETE IN A BOX.



No. 550—Tanivy, brush brass, air shutter and side screw regulator, new spring globe holder, magnesia mantle support, for artificial or natural gas, with half frosted ball globe and standard grade mantle, w't per doz. 6 lbs., per dozen .....**JFEJ** $10.80

ONE COMPLETE IN A BOX.



No. 450—Cruso, bright brass, magnesia mantle holder, with needle regulator and air shutter, for natural or artificial gas, with No. 555 half frosted ball globe and No. 1160 Flyer mantle, w't per doz. 6 lbs., per dozen .....**CFJ** $6.00

The CRUSO is a low-priced light, having a gas regulator as well as an air shutter.

ONE COMPLETE IN A BOX.

LAMPS AND BURNERS.



No. 5.



No. 65.

No. 5—Lindsay, heavy brass burner with needle gas regulator, complete with No. 5 Lindsay center rod mantle and No. 14 Opal "Q" globe, height 9¼ in., w't per doz. 18 lbs., per dozen .....**JFEJ** $10.80

This light has gained a splendid reputation. Easily installed and regulated. For natural or artificial gas.

No. 65—Flyer, brass burner with needle gas regulator, complete with No. 31 Flyer mantle for artificial gas and No. 14 Opal "Q" globe, w't per doz. 16 lbs. .....per dozen **CIJ** $6.50

This is a good burner at a competitive price.

ONE IN A BOX.

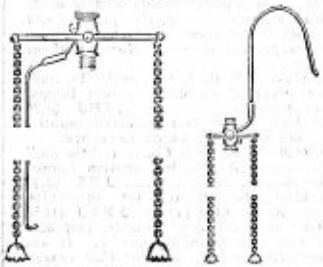


No. 123—Lindsay, brass burner with needle adjustment and mica chimney with mantle complete, w't per doz. 4 lbs., per dozen.....**BEJ** $4.20

No. 1230—Mica chimney with mantle for No. 123 gas lamps, per dozen.....**AGE** $2.90

ONE DOZEN IN A BOX.

BY-PASSES.



No. 124. No. 125.

No. 124—Pilot, by-pass for Nos. 950 and 650 gas lamps, per dozen **BIJ** $4.80

No. 125—Pilot, by-pass for Nos. 550, and 450 gas lamps, per dozen .....**CJJ** $5.00

ONE DOZEN IN A BOX.

INVERTED GAS MANTLES.



No. 1135. No. 1140. No. 1150.

No. 1135 REVENIC—Inverted, mounted on standard magnesia support, per dozen .....**BFJ** $3.60

This mantle is of very highest possible quality. It is double impregnated, resulting in high candle power and long life.

No. 1140 REVENIC—Inverted, mounted on standard magnesia support, per dozen .....**BAJ** $2.90

This mantle is of the celebrated cross weave, of highest quality, strength and candle power.

No. 1150—Tanivy, inverted, mounted on standard magnesia support, per dozen .....**ADJ** $2.30

A high grade mantle both in candle power and strength. Triple weave.



No. 1160. No. 130.

No. 1160—Flyer, inverted, mounted on standard magnesia support, per dozen .....**JIJ** $1.50

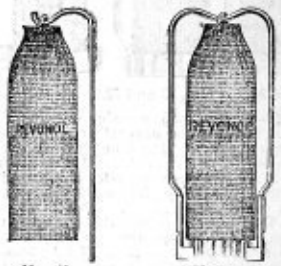
This is a good competitive mantle. Exceptional value at the price.

No. 130—Lindsay, soft inverted, mounted on standard magnesia ring, per dozen .....**AJJ** $1.70

This mantle is made of silk fibre and is soft and pliable until burned. Is preferred by many because being pliable, can be handled without fear of breaking.

ONE DOZEN IN A BOX.

UPRIGHT MANTLES.



No. 40. No. 41.

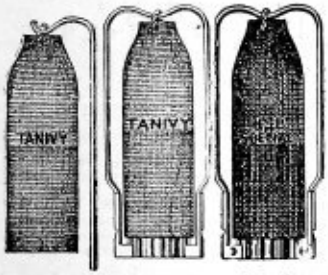
No. 40 REVENIC—Loop mantle, with wire hook support for natural or artificial gas .....per dozen **AEE** $2.60

No. 41 REVENIC—Cap mantle, mounted on coated wire, corrugated cap, for artificial gas ....per dozen **BAJ** $3.00

REVENIC *mantles are highest grade it is possible to make. Great durability and high candle power are distinctive qualities of* REVENIC *mantles. No. 41 will fit any standard style of incandescent gas burner.*

MANTLES.

GAS.



No. 20. No. 21. No. 39.

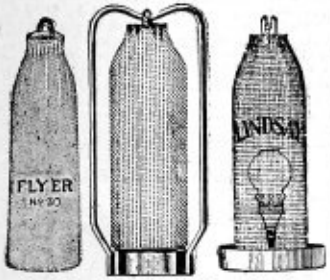
No. 20—Tanivy, loop mantle with wire hook support for natural or artificial gas or gravity gasoline lamps, per dozen .....**AAE** $1.90

No. 21—Tanivy, cap mantle, on double coated wire cap for artificial gas, per dozen .....**ADJ** $2.30

Tanivy mantles are high grade, medium priced, single weave mantles. They give splendid satisfaction.

No. 39—H. S. B. & Co., cap mantle, mounted on heavy coated wire, corrugated cap for artificial gas, per dozen .....**AEE** $2.60

H. S. B. & Co. mantles are double weave, and are preferred by many of the trade. The best thread and chemicals are used in their construction, and they are first-class in every particular.



No. 30. Nos. 31 and 32. No. 5.

No. 30—Flyer, loop mantle, with wire hook support for natural or artificial gas or gravity gasoline lamps, per dozen ..... **JHE** $1.20

No. 31—Flyer, cap mantle on coated double wire cap for artificial gas, per dozen .....**JIJ** $1.50

No. 32—Flyer, cap mantle on coated double wire cap for natural gas, per dozen .....**JIJ** $1.50

The Flyer mantle is made to meet the demand for a low priced, serviceable mantle. It is as reliable a mantle as can be made for the money.

No. 5—Lindsay, center rod mantle mounted on extra heavy corrugated center rod cap for artificial gas, per dozen ..... **BFJ** $3.60

The No. 5 Lindsay center rod mantle is made particularly for the No. 5 Lindsay light, but will fit any standard gas burner.

GASOLINE.



No. 8. No. 10. No. 11.

No. 8 REVONOC—System mantle, 4½ in., extra heavy for overhead generator systems, with wire supports and magnesia center rods, per doz. **AGJ** $2.80

No. 800—Magnesia center rods for above, per dozen .....**JF** $0.10

No. 10 REVONOC—Pressure loop mantle, 5 in., extra heavy, with roll bottom and new pattern wire support, per dozen .....**AHJ** $3.00

No. 11 REVONOC—Pressure cap mantle, 5 in., extra heavy, on double wire adjustable cap, will fit any style gasoline pressure lamp, per dozen .....**BAE** $3.60

REVONOC system and pressure mantles are made of extra heavy thread and heavy solution, especially to withstand the strain of use on overhead generator systems and pressure lamps. They are of very best quality, highest candle power and of great durability.



No. 122 QUAKER—"Blue Cord," soft tie on mantle for inverted gasoline system lamps .....per dozen **AJJ** $1.70

No. 121 QUAKER—Junior, "Blue Cord," soft tie on mantle for REVONOC and other gasoline table or reading lamps, per dozen .....**JHE** $1.50

The QUAKER "Blue Cord" mantle is of the very highest quality and is made extra heavy for candle power and strength. Patented cross-sewed bottom insures perfect shaping. Burns without shadow.

No. 120—H. S. B. & Co., soft "Tie on" for inverted gasoline system lamps, per dozen .....**JHJ** $1.30

A high grade, high powered mantle.

ONE DOZEN IN LARGE ENVELOPE.

No. 0120—H. S. B. & Co., soft "tie on," for inverted gasoline system lamps, per dozen .....**JFE** $1.10

No. 0120½—In full gross lots, otherwise same as No. 0120, per gro. **JFIJ** $11.50

This is a six cord mantle, full size and will give excellent service. It has a gathered bottom, and for that reason is not quite as desirable as our Nos. 122 and 120, which have sewed bottoms, but is made of the same thread as our No. 120 and will withstand the same service, but will not give quite as much light because of the difference in bottoms.

Each mantle in a waxed envelope with full directions for use.

ONE DOZEN IN A PACKAGE.

GAS.

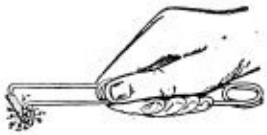


No. 15—Welsbach, junior size mantle mounted on combination cap, per dozen .....**ADE** $2.40

ONE DOZEN IN A BOX.

No. 15½—Welsbach, packed 50 in a box, otherwise same as No. 15, per hundred .....**AJHJ** $18.00

GAS LIGHTERS.



No. 27D—Perfection, tinned spring holder, length 7 in., tempered steel file, good quality spark tip, w't per doz. 2 lbs. .....per dozen **JGE** $1.40

Produces a spark sufficiently hot to light instantly any kind of inflammable vapor or gas.

No. 28D—Extra spark tips for No. 27D gas lighters .....per dozen **DJ** $0.70

TAPER HOLDERS.

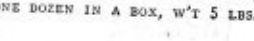


No. 357—Medium grade, gas key, wood handle, 29 in. long, per dozen .....**JHE** $1.40

No. 360—Best grade, gas key, select wood handle, 29 in. long, per dozen .....**AGE** $2.90

ONE DOZEN IN A BOX, W'T 5 LBS.

WAX TAPERS.



No. 108—Second quality, 15 in. long, per dozen boxes .....**CE** $0.60

No. 172—First quality, 15 in. long, per dozen boxes .....**JFJ** $1.00

No. 305—Non-dripping, extra quality, 17 in. long, per doz. boxes **JIE** $1.60

30 TAPERS IN A BOX, ONE DOZEN BOXES IN A PACKAGE.

GAS AND GASOLINE GLOBES AND SHADES.



No. 555.

No. 555—Half frosted, good quality, 3½ in. fitter, 4½ in. deep, w't per doz. 8 lbs. .....per dozen **JIJ** $1.50
OPEN STOCK.

No. 555½—In full case of 6 dozen, w't per case 55 lbs., otherwise same as No. 555 .....per case **CIE** $6.60

No. 556—All frosted, otherwise same as No. 555 .....per dozen **JIJ** $1.50
OPEN STOCK.

No. 556½—In full case of 6 dozen, w't per case 55 lbs., otherwise same as No. 556 .....per dozen **DBE** $7.00



No. 1055—Half frosted, closed bottom, air hole globe, 3⅜ in. fitter, 5 in. deep, w't per doz. 8 lbs.,
per dozen .....**BDJ** $2.90
FIVE DOZEN IN A BARREL.



No. 575.



No. 585.

No 575—Octagon, frosted, with bright edges, very effective, 3½ in. fitter, 4¾ in. deep, w't per doz. 9 lbs., per dozen .....**BAE** $3.60

No. 585—Mission, frosted, with bright lines, producing a beautiful effect, 3⅜ in. fitter, 6 in. deep, w't per doz. 10 lbs. .....per dozen **BHJ** $4.70
FIVE DOZEN IN A BARREL.

Above globes will fit any standard make inverted gas burner.

GAS SHADES.



No. 10—Opal, shallow dome, 10 in. bottom, w't per doz. 13 lbs.,
per dozen .....**BAE** $3.60
EIGHT DOZEN IN A CASE.



No. 1399—Clear inner cylinders, 3⅛ in. fitter, will fit inside any standard size gas globe or shade, w't per doz. 4 lbs. .....per dozen **JGJ** $1.20

Used to protect more expensive glassware from direct heat of mantle.



Nos. 14 to 385.



No. 199.



No. 180.

No. 14—Opal, "Q"-air hole globe, finest quality lead glass, height 6⅜ in., fitter 2 in., bulb 4¼ in., w't per doz. 4 lbs., per dozen .....**AEJ** $2.50
OPEN STOCK.

No. 14½—In full case of 3 dozen, w't per case 15 lbs., otherwise same as No. 14 .....per case **CIJ** $6.50

No. 15—Clear, "Q"-air hole globe, finest quality lead glass, height 6⅜ in., fitter 2 in., bulb 4¼ in., w't per doz. 4 lbs. .....per dozen **AFJ** $2.70
OPEN STOCK.

No. 15½—In full case of 3 dozen, otherwise same as No. 15,
per case .....**DAJ** $6.80

The above globes are all highest quality lead glass with fused air holes.

No. 014—Opal, "Q"-air hole globes, flint glass, height 6⅜ in., fitter 2 in., bulb 4¼ in., w't per doz. 4 lbs., per dozen .....**AAE** $1.90
OPEN STOCK.

No. 014½—In full case of 6 dozen, w't per case 68 lbs., otherwise same as No. 014 .....per case **EFE** $9.40

No. 385—Opal, "Q. G."-air hole, finest quality lead glass, height 7½ in., fitter 1⅞ in., bulb 5 in., w't per doz. 5 lbs. .....per dozen **BIJ** $4.80

This globe is recommended for use on gasoline lamps. The bulb being larger, it is less affected by the intense heat from the mantle.
THREE DOZEN IN A CASE.

No. 199—Clear, air hole cylinder, best quality lead glass, height 7 in., fitter 2 in., w't per doz. 3 lbs.,
per dozen .....**AAE** $1.90
OPEN STOCK.

No. 199½—In full case of 3 dozen, w't per case 10 lbs., otherwise same as No. 199 .....per case **BGJ** $4.50

No. 180—Lead glass cylinder, frosted bottom, height 8 in., outside diam. 1⅞ in., w't per doz. 3 lbs., per dozen .....**JHJ** $1.30
OPEN STOCK.

No. 180½—In full case of 6 dozen, w't per case 28 lbs., otherwise same as No. 180 .....per case **CHE** $6.40



Nos. 28 and 28½.



Nos. 30 and 30½.

No. 28—Lead glass, round apple shape, frosted bottom, height 5 in., fitter 1⅛ in., bulb 4 in., w't per doz. 4 lbs., per dozen .....**JHE** $1.40
OPEN STOCK.

No. 28½—In full case of 6 dozen, w't per case 57 lbs., otherwise same as No. 28 .....per case **DBJ** $7.00

No. 30—Combination gas globe, lead glass, height 7¼ in., 3 in. bottom, 2½ in. top, shaped to support shade, w't per doz. 5 lbs., per doz. **AAJ** $1.80
OPEN STOCK.

No. 30½—In full case of 6 dozen, w't per case 60 lbs., otherwise same as No. 30 .....per case **EDJ** $9.00

GAS CHIMNEYS.





Nos. 360 to 380. Nos. 660 to 680.

Finest Quality Mica, Nickel Collar, at Top and Bottom.

No. 360—3 piece, height 6 in., diam. 1⅛ in. .....per dozen **AAJ** $1.80

No. 370—Height 7 in., otherwise same as No. 360 .....per dozen **ACJ** $2.20

No. 380—Height 8 in., otherwise same as No. 360 .....per dozen **AEE** $2.60

No. 660—6 piece, height 6 in., diam. 1⅛ in. .....per dozen **JHE** $1.45

No. 670—Height 7 in., otherwise same as No. 660 .....per dozen **AJJ** $1.70

No. 680—Height 8 in., otherwise same as No. 660 .....per dozen **AAE** $1.90
ONE DOZEN IN A BOX, W'T ABOUT 1½ LBS.

MICA CANOPIES.



No. 3.



No. 5.

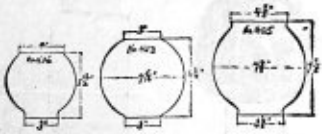
No. 3—Tinned frame,
per dozen ..... **DE** $0.75

No. 5—Tinned frame,
per dozen .....**JIJ** 1.50

No. 5 is for use on "Q" globes.
ONE DOZEN IN A BOX.

GAS AND GASOLINE GLOBES, BURNERS, BRACKETS, ETC.

GAS AND GASOLINE GLOBES.



No. 436—Opal glass for gas or gasoline lamps, w't per doz. 22 lbs., per dozen .....BDJ $5.00

This globe fits the 3 in. beacon ring, and in conjunction with it may be used on any standard upright gas burner and many makes of gasoline lamps.

TWO DOZEN IN A CASE.

For No. 40 Ann Arbor and Other Gasoline Systems, W't per Dozen 36 Lbs.

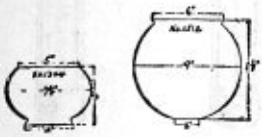
No. 433—Clear lead glass, per dozen .....CFJ $7.50

No. 4330—Opal....per dozen DBJ 8.75

ONE DOZEN IN A CASE.

No. 405—Clear lead glass or Nos. 1 and 01 pressure lamps and other gasoline lamps, w't per doz. 65 lbs., per dozen .....JDHJ $10.00

ONE DOZEN IN A CASE.

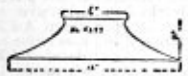


No. 1344—Clear, or No. 2 and other gasoline pressure lamps, w't per doz. 50 lbs. .....per dozen CFJ $7.50

ONE DOZEN IN A CASE.

No. 1512—Clear, or No. 475 REVERSIBLE System Lamps, w't per doz. 80 lbs., per dozen .....AJHJ $22.50

ONE-HALF DOZEN IN A CASE.



No. 4297—Opal shade, or No. 417 REVERSIBLE System Lamps, w't per doz. 40 lbs., per dozen .....JDCJ $12.00

ONE DOZEN IN A CASE.

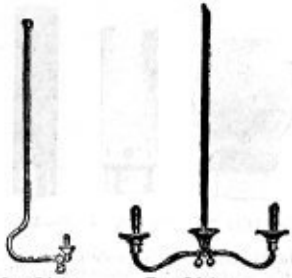
GAS BURNERS.





No. 840—Gas burners, needle valve adjustment or natural or artificial gas, w't per doz. 3 lbs., per dozen ADJ $2.50

GAS PENDANTS.



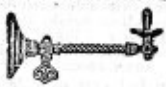
One Light. Two Lights.

36 In. Long, with Coupling for ⅜ In. Iron Gas Pipe.

No. 1-D—One light, steel oxidized copper plated, w't ¾ lb., complete as illustrated .....each CE $0.75
No. 01-D—Without trimmings, otherwise same as No. 1-D, each CJ $0.63
No. 21-D—One light, steel, rich gilt, w't ¾ lb., complete as illustrated, each .....CE $0.75
No. 021-D—Without trimmings, otherwise same as No. 21-D, each CJ $0.63
No. 31-D—One light, brass, polished, w't ¾ lb., complete as illustrated, each .....JDE $1.00
No. 031-D—Without trimmings, otherwise same as No. 31-D, each DJ $0.90
No. 32-D—Two light, brass, rich gilt, w't 1⅝ lbs., complete as illustrated, each .....AAJ $2.25
No. 032-D—Without trimmings, otherwise same as No. 32-D, each .....JIE $2.00
No. 42-D—Two light, brass, oxidized copper, w't 1⅝ lbs., complete as illustrated .....each ABJ $2.50
No. 042-D—Without trimmings, otherwise same as No. 42-D, each .....AAJ $2.25

ONE-HALF DOZEN IN A PACKAGE.

GAS BRACKETS.

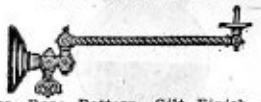


Brass Rope Pattern, Gilt Finish, Female Coupling for ⅜ In. Iron Gas Pipe.

No. 100-D—Stiff, complete with burner cup, wall plate, as illustrated, w't per doz. 3 lbs. .....per dozen BCJ $4.80
No. 0100-D—Without trimmings, otherwise same as No. 100-D, per dozen .....AHJ $3.85

ONE DOZEN IN A BOX.

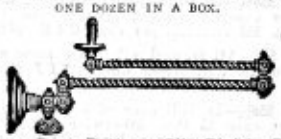
GAS BRACKETS.



Brass, Rope Pattern, Gilt Finish, Female Coupling, for ⅜ In. Iron Gas Pipe.

No. 104-D—Single swing, as illustrated, with brass burner cup and wall plate, w't per doz. 5 lbs., per doz. DAE $8.55
No. 0104-D—Without trimmnigs, otherwise same as No. 104-D, per dozen .....CDE $7.20

ONE DOZEN IN A BOX.



Brass, Rope Pattern, Gilt Finish, Female Coupling, for ⅜ In. Iron Gas Pipe.

No. 105-D—Double swing, as illustrated, complete with burner cup and wall plate, w't per doz. 8 lbs., per dozen .....JFEJ $13.50
No. 0105-D—Without trimmings, otherwise same as No. 105-D, per dozen .....JEGE $12.00

ONE DOZEN IN A BOX.

BURNER CUPS AND CEILING PLATES.



No. 621-D.



No. 614-D.

No. 621-D—Stamped brass, burner cups, per dozen .....AJ $0.25
No. 614-D—Spun brass ceiling or wall plates, 3 in. .....per dozen BE $0.50
Specify Gilt or Ox. Copper finish as wanted.

ONE GROSS IN A PACKAGE.



"L" BURNER COCK

No. 106-D—Brass, female thread for ¼ in. iron pipe, w't per doz. 3½ lbs., per dozen AGE $3.65

GAS TIPS AND PILLARS.



No. 4-D. No. 6-D. No. 7-D. No. 8-D.

No. 4-D—E. H. composition lava tips, per gross .....JDE $1.00
ONE GROSS IN A BOX; LESS NOT SOLD.
No. 6-D—Crescent "No Leak" Jumbo tips with pliers, per gro. JFEJ $13.50
ONE DOZEN IN A BOX; LESS NOT SOLD.
No. 7-D—Standard brass pillars, per gross .....AJJ $1.75
No. 8-D—Aluminum tips, w't per gross 1 lb. .....per gross BAE $3.60

ONE GROSS IN A BOX.

LAMP CHIMNEYS.

REVO-NOC **Brand Chimneys** are made of the best quality lead glass, oil finished and carefully tempered, will not break from heat, each chimney wrapped in tissue paper and packed in printed carton.

CRUSO Brand Chimneys are made of highest quality flint glass containing some lead. Unusually clear, carefully tempered and selected. Each chimney in printed carton.

Common Grade Chimneys are made of lime glass, which, although not nearly so serviceable as REVO-NOC or Cruso Brand, will give satisfaction in ordinary use. Each chimney in corrugated paper tube.

SUN BULB, CRIMP TOP.



REVO-NOC

No. 102 REVO-NOC—Size 2, outside diam. of bottom 3 in., of bulb 4 in., height 8½ in., one dozen in corrugated paper box, w't per doz. 8 lbs., per dozen .....**ADE** $2.00

No. 1602 REVO-NOC—Full case of 6 dozen, w't 62 lbs., otherwise same as No. 102, per case .....**JEEE** $10.00



CRUSO.

No. 201—Cruso, size 1, outside diam. of bottom 2½ in., of bulb 3½ in., height 7½ in., one dozen in corrugated paper box, w't per doz. 7 lbs., per dozen .....**AJJ** $1.35

No. 2601—Cruso, full case of 6 dozen, w't 47 lbs., otherwise same as No. 201, per case .....**DAE** $6.95

No. 202—Cruso, size 2, outside diam. of bottom 3 in., of bulb 4 in., height 8½ in., one dozen in a corrugated paper box, w't per doz. 8 lbs., per case .....**ABJ** $1.60

No. 2602—Cruso, full case of 6 dozen, w't 60 lbs., otherwise same as No. 202, per case .....**ECJ** $8.80

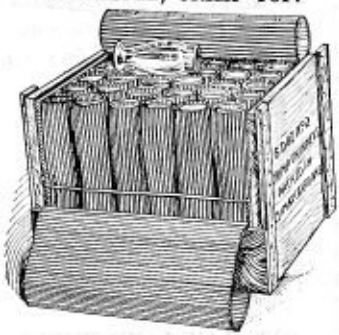
ENGRAVED GLOBE CHIMNEYS.



No. 292—Eagle engraved, size 2, outside diam. of bottom 3 in., of bulb 5½ in., height 9⅝ in., 1 dozen in corrugated paper box, w't per doz. 9 lbs., per doze. **ADJ** $1.80

No. 2692—Full case of 6 doz., w't 70 lbs., otherwise same as No. 292, per case **JFJJ** $10.00

SUN BULB, CRIMP TOP.



Common Grade.

No. 400—Size 0, outside diam. of bottom 2 in., of bulb 3¼ in., height 6¼ in., one dozen in corrugated paper box, w't per doz. 5 lbs., per doz. **GJ** $0.90

No. 4600—Full case of 6 dozen, w't 36 lbs., otherwise same as No. 400, per case .....**BJE** $3.40

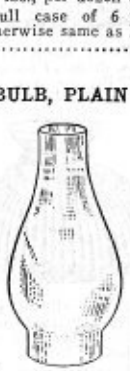
No. 401—Size 1, outside diam. of bottom 2½ in., of bulb 3⅝ in., height 7½ in., one dozen in corrugated paper box, w't per doz. 6 lbs., per dozen .....**JHJ** $1.00

No. 4601—Full case of 6 dozen, w't 40 lbs., otherwise same as No. 401, per case .....**BFE** $4.40

No. 402—Size 2, outside diam. of bottom 3 in., of bulb 4 in., height 8½ in., one dozen in corrugated paper box, w't per doz. 7 lbs., per dozen **JIJ** $1.20

No. 4602—Full case of 6 dozen, w't 46 lbs., otherwise same as No. 402, per case .....**CEJ** $5.80

SUN BULB, PLAIN TOP.



Extra Heavy, REVO-NOC Lead Glass.

No. 122 REVO-NOC—Size 2, outside diam. of bottom 3 in., of bulb 4 in., height 8½ in., one dozen in corrugated paper box, w't 12 lbs., per doz. **AEE** $2.10

No. 1622 REVO-NOC—Full case of 6 dozen, w't 65 lbs., otherwise same as No. 122, per case .....**JFHE** $11.45

ROCHESTER.



REVO-NOC

No. 132 REVO-NOC—Size 2, 10 in., outside diam. of bottom 2⅝ in., of bulb 3⅝ in., height 10 in., one dozen in a corrugated paper box, w't per doz. 10 lbs., per dozen .....**AGJ** $2.20

No. 1632 REVO-NOC—Full case of 6 dozen, w't per case 52 lbs., otherwise same as No. 132 .....per case **JGGJ** $12.80

No. 132½ REVO-NOC—Size 2, 12 in., outside diam. of bottom 2⅝ in., of bulb 3½ in., height 12 in., one dozen in corrugated paper box, w't per doz. 10 lbs. .....per dozen **BBJ** $2.90

No. 1632½ REVO-NOC—Full case of 6 dozen, w't 60 lbs., otherwise same as No. 132½ .....per case **JIIJ** $16.50

No. 133 REVO-NOC—Size 3, Mammoth, outside diam. of bottom 4 in., of bulb 5⅝ in., height 12 in., one dozen in corrugated paper box, w't per doz. 16 lbs. .....per dozen **CJE** $4.10

No. 1333 REVO-NOC—Full case of 3 dozen, w't 74 lbs., otherwise same as No. 133, per case .....**JFIJ** $11.50

CRUSO.

No. 230—Cruso, size 0, outside diam. of bottom 1⅞ in., of bulb 2½ in., height 7 in., one dozen in corrugated paper box, w't per doz. 5 lbs., per dozen .....**ABE** $1.70

No. 231—Cruso, size 1, outside diam. of bottom 2 in., of bulb 3 in., height 8 in., one dozen in corrugated paper box, w't per doz. 8 lbs., per dozen .....**ABE** $1.70

No. 232—Cruso, size 2, outside diam. of bottom 2⅝ in., of bulb 3⅝ in., height 10 in., one dozen in corrugated paper box, w't per doz. 9 lbs., per dozen .....**ADJ** $1.80

No. 2632—Cruso, full case of 6 dozen, w't 48 lbs., otherwise same as No. 232, per case .....**EHE** $9.75

No. 233—Cruso, size 3, outside diam. of bottom 4 in., of bulb 5⅝ in., height 12 in., one dozen in corrugated paper box, w't per doz. 14 lbs., per dozen .....**BGJ** $3.60

No. 2333—Cruso, full case of 3 dozen, w't 65 lbs., otherwise same as No. 233, per case .....**JFJJ** $10.00

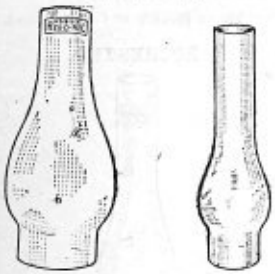
Common Grade Flint Glass, in Tubes.

No. 332—Size 2, outside diam. of bottom 2⅝ in., of bulb 3⅝ in., height 10 in., one dozen in corrugated paper box, w't per doz. 7 lbs., per dozen .....**ABJ** $1.60

No. 3632—Full case of 6 dozen, w't 51 lbs., otherwise same as No. 332, per case .....**EDJ** $9.00

LAMP CHIMNEYS AND SHADES.

ELECTRIC AND BELGIAN CHIMNEYS.



Electric. Belgian.

Electric.

No. 142 REVERE—Size 2, outside diam. of bottom 3 in., of bulb 4 in., height 10 in., one dozen in corrugated paper box, w't per doz. 18 lbs., per dozen .....**AGJ** $2.30

No. 1642 REVERE—Full case of 6 dozen, w't 50 lbs., otherwise same as No. 142, per case .....**JHAJ** $13.50

Belgian.

No. 00 REVERE—Outside diam. of bottom 3 in., of bulb 3½ in., height 12 in., one dozen in corrugated paper box, w't per doz. 12 lbs. ....per dozen **BGE** $3.70

No. 060 REVERE—Full case of 6 dozen, w't 65 lbs., otherwise same as No. 00, per case .....**AADJ** $19.00

STUDENT CHIMNEY.



No. 161.

STUDENT, REVERE.

No. 161 REVERE—Size 1, outside diam. of bottom 1⅞ in., of top 1¼ in., height 10½ in., one dozen in corrugated paper box, w't per doz. 5 lbs., per dozen .....**ADJ** $1.90

No. 1661 REVERE—Full case of 6 dozen, w't 32 lbs., otherwise same as No. 161, per case .....**JFAE** $10.25

TIN LAMP SHADES.



No. 20—20 in., corrugated tin, painted outside, w't per doz. 12 lbs., per dozen .....**BDJ** $4.00

PAPER LAMP SHADES.



No. 1062—11 in., paper, plain print, assorted colors, w't per doz. 1 lb., per dozen .....**JFJ** $1.00

SIX DOZEN IN A PACKAGE.

PORCELAIN LAMP SHADES.



No. 703—7 in., Vienna, opal, height 5¼ in., top 3½ in., bottom 7 in., w't per doz. 6 lbs. .....per dozen **AHJ** $3.00



No. 6577—Fancy burnt in decorations, opal glass, diam. of bottom 10 in., w't per doz. 70 lbs., per doz., **AJHJ** $18.00
For REVERE *Gasoline Reading Lamps.*



No. 8031—Fancy ribbed green shade, white inside, extra heavy, diam. at bottom 12 in., four inch green fringe, w't per doz. 80 lbs., per dozen .....**BCJE** $38.40

No. 8032—Without fringe, otherwise same as No. 8031, per dozen .....**AEHE** $26.40

For REVERE *Gasoline Reading Lamps.* REVERE *Lamps can be supplied with either of the three shades above shown. Add difference in selling price of shade desired and No. 1004 shade regularly supplied.*

ONE DOZEN IN A BARREL.

PORCELAIN LAMP SHADES.



No. 1001—Ring neck, opal dome, diam. of bottom 10 in., top 3¼ in., height 6 in., w't per doz. 14 lbs., per dozen .....**CFJ** $4.80

ONE-HALF DOZEN IN A BOX.



No. 1004—10 in., corrugated opal shade, height 6 in., diam. of top 4 in., w't per doz. 60 lbs. ....per dozen **EGE** $5.20

Made especially for REVERE *gasoline reading lamps. Fits standard tripods and shade rings; used on ordinary kerosene table lamps.*

ONE-HALF DOZEN IN A BOX.



No. 181—Fancy, glass, green outside, white inside, bottom 10 in., top 4½ in., height 6 in., w't per doz. 65 lbs., per dozen .....**AJAJ** $12.00

These shades fit standard tripods and shade rings. For oil table lamps, REVERE *gasoline reading and Cruso Kero-Vapor lamps.*

SIX DOZEN IN A BARREL.



No. 1402—For oil hanging lamps, plain opal dome, diam. of bottom 14 in., top 6 in., height 6¼ in., w't per doz. 27 lbs. .....per dozen **GBJ** $9.60

ONE-HALF DOZEN IN A CORRUGATED FIBRE CASE.

LANTERN GLOBES.

COLD BLAST GLOBES.



No. 611.



No. 614.

Size 2, Height 6¼ Inches, Top 2¾ Inches, Bottom 3⅛ Inches.

No. 611—Crystal glass, 1 dozen in a box, w't 14 lbs...per dozen **JHE** $1.40
No. 6511—Same as above, in full cases of 5 dozen, w't per case 70 lbs., per case .....**CCJ** $5.50
No. 612—Crystal, with bull's eye, packed one dozen in a box, w't 14 lbs., per dozen .....**AGE** $2.90
No. 6512—Same as above, in full cases of 5 dozen, w't per case 70 lbs., per case .....**JGBJ** $12.00
No. 613—Ruby, packed in boxes of 1 dozen, w't 14 lbs., per dozen .....**BCJ** $3.80
No. 6513—Same as above, in full barrels of 4½ dozen, w't per barrel 65 lbs., per barrel .....**AJBJ** $17.00

No. 614 GEM—Special heat proof, will withstand extreme changes of temperature, packed one dozen in a box, w't 14 lbs. .....per dozen **AIJ** $3.20

"BANTIE," Cold Blast, Size 1, for Bantie C. B. Lantern, Height 5½ Inches, Top 2⅛ Inches, Bottom 2¾ Inches.

No. 610—Crystal, 1 dozen in a box, w't 12 lbs. .....per dozen **JHJ** $1.30
No. 6610—Same as above, in full cases of 6 doz. w't per case 70 lbs., per case .....**CCJ** $5.50
No. 609—Crystal, with bull's eye, in boxes of 1 dozen, w't 12 lbs., per dozen .....**AFJ** $2.70

The above globes fit Bantie, Junior, Gem and other No. 1 Cold Blast Lanterns.



Fit all makes of short globe cold blast lanterns, especially GEM Supreme and No. 42 Dietz D'Lite.

CRYSTAL GLASS.

No. 616—One dozen in a box, w't per dozen 13 lbs., per dozen **JIJ** $1.50
No. 6516—Five dozen in a case, w't per case 65 lbs.....per case **CFJ** $6.00

RUBY.

No. 617—One dozen in a case, w't per dozen 13 lbs., per dozen **BCJ** $3.80
No. 6517—Five dozen in a case, w't per case 65 lbs. ....per case **AJBJ** $17.00

TUBULAR GLOBES.



No. 600.



No. 602.

Tubular Size O, Height 6⅞ Inches, Top Top 2⅛ Inches, Bottom 3⅞ Inches.

No. 600—Common crystal, one dozen in a box, w't 12 lbs., per doz. **JFE** $1.10
No. 6500—Same as above, packed in cases of 5 doz., w't 60 lbs., per case .....**BFJ** $4.30
No. 601—Acme, lead glass, clear, will not break from heat, 1 dozen in a box, w't 14 lbs. .....per dozen **AFJ** $2.70
No. 6501—Same as above, in full barrels of 5 dozen, w't per barrel, 75 lbs., per barrel .....**JFFJ** $11.00

Size O, Height 6⅞ Inches, Top 2⅛ Inches, Bottom 3⅞ Inches.

No. 602—Crystal bull's eye, 1 dozen in a box, w't 12 lbs., per dozen **AFJ** $2.70
No. 6502—Same as above, in full cases of 5 dozen, w't 60 lbs., per case .....**JFFJ** $11.00
No. 603—Solid ruby, 1 dozen in a box, w't 14 lbs. .....per dozen **AGJ** $2.80
No. 6503—Same as above, in full barrels of 5 dozen, w't 70 lbs., per barrel .....**JGHJ** $13.00
No. 604—Green, one dozen in a box, w't 18 lbs. .....per dozen **BJE** $3.40
No. 607—Contractors' ruby, cold stained, tubular, w't per doz. 15 lbs., per dozen .....**AAE** $1.90
No. 6507—Same as above, in full barrels of 5 dozen, w't 70 lbs., per barrel .....**EJE** $8.40

These globes are stained a beautiful ruby color, which, although it will scratch off, will nevertheless give satisfactory service for building and street work.

ONE DOZEN IN A BOX.



No. 620—Crystal, size No. 1, tubular, height 7⅞ in., top 2⅛ in., bottom 3⅝ in., w't per doz. 18 lbs., 4½ dozen in barrel .....per dozen **JHE** $1.45
No. 621—Crystal, size No. 2, tubular, height 9 in., top 4⅛ in., bottom 5 in., w't per doz. 46 lbs., 1½ dozen in barrel, per dozen .....**CFJ** $4.50
No. 622—Crystal, size No. 3, tubular, height 10¾ in., top 5¼ in., bottom 6 in., for tubular steel lamps, w't per doz. 90 lbs., ⅓ doz. in barrel, per dozen .....**EGE** $7.50

RAILROAD GLOBES.



Height 5⅞ Inches, Top 2⅝ Inches, Bottom 3⅛ Inches.

No. 630—Heavy selected crystal glass, 1 dozen in a box, w't 14 lbs., per dozen .....**JIE** $1.60
No. 6530—Same as above, in full barrel of 5 dozen, w't 75 lbs., per barrel .....**DBJ** $7.00
No. 631—Red flint glass, 1 dozen in a box, w't 14 lbs...per dozen **BAE** $3.60
No. 6531—Same as above, in full barrel of 5 dozen, w't 80 lbs., per barrel .....**AJAJ** $16.80
No. 632—Green flint glass, selected first quality, w't per doz. 15 lbs., 5 dozen in barrel .....per dozen **DEJ** $7.50

PULLMAN GLOBES.



PULLMAN, Conductor Lantern, Height 4¾ Inches, Top 2¼ Inches, Bottom 2½ Inches, for Conductors' Fancy Lanterns.

No. 2030—Crystal flint glass, w't per doz. 10 lbs., 5 dozen in barrel, per dozen .....**CFJ** $6.00
No. 2031—Upper half ruby, lower half crystal flint, w't per doz. 10 lbs., 2 dozen in box, per doz. **BAFJ** $36.00
No. 2032—Upper half green, otherwise same as No. 2031, per doz. **BAFJ** $36.00



No. 211.



No. 16.

No. 211—U. S. tubular, for Little Star lantern, height 5¼ in, top 2⅛ in., bottom 2½ in., w't per doz. 11 lbs., per dozen .....**JFE** $1.10
No. 2811—Same as above, in full cases of 8 dozen, w't per case 90 lbs., per case .....**DEJ** $7.50
No. 16—Cadet, for Cadet or Klondike lanterns, crystal, height 4 in., bottom 1⅞ in., top 1½ in., w't per doz. 3 lbs., 25 dozen in barrel, per dozen .....**DJ** $0.70

LAMP AND LANTERN BURNERS.

LANTERN BURNERS.



Ratchet Oil Burner.



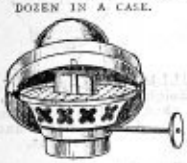
Convex.

No. 131—Lard oil ratchet, 1¼ in. shaft, takes ⅝ in. wick, per doz. **CJ** $0.50
No. 121—Convex, takes ⅝ in. wick, fits No. 1 collar, for burning kerosene oil in R. R. lanterns,
per dozen .....**JFJ** $1.00
ONE DOZEN IN A BOX.



No. 80. Nos. 82 and 83.

No. 80—Tubular, takes ⅝ in. wick, for No. 0 tubular lantern,
per dozen .....**EE** $0.90
No. 82—Tubular, takes 1 in. wick, for No. 2 cold blast lanterns,
per dozen .....**JIJ** $1.50
No. 83—Tubular, takes 1½ in. wick, for tubular street lamps,
per dozen .....**CAJ** $5.20
ONE DOZEN IN A BOX; NO. 80, FIFTY DOZEN; NOS. 82 AND 83, TWENTY-FIVE DOZEN IN A CASE.



No. 62 [illegible]—Takes 1 in. wick, heavy brass, extra large ratchet wheel, notched for [illegible] cold blast lanterns .....per dozen **ABJ** $2.00
ONE DOZEN IN A BOX; TWENTY-FIVE DOZEN IN A CASE.



Steel Mantle.
No. 192—Improved steel mantle cold blast lantern burners, size 2, with No. 2, 1 in. wick, per doz. **BDJ** $4.00
Made to fit regular cold blast lanterns. Steel mantle in the cone increases the light. No smoke. No odor.
ONE DOZEN IN A BOX.

LAMP BURNERS.



COMBINATION, Brass Plated, Cold Rolled Steel, Brass Cone.
No. 151—Fits No. 1 collar, takes ⅝ in. wick .....per dozen **DJ** $0.65
No. 152—Fits No. 2 collar, takes 1 in. wick .....per dozen **JEJ** $0.85
This burner is intended to supply the demand for a cheaper burner than those shown below.
ONE DOZEN IN A BOX; FIFTY DOZEN IN A CASE.



PREMIER, Brass Burner, Brass Plated Cold Rolled Steel Chimney Guides and Ratchet Shaft.
No. 100—Fits No. 0 collar, takes ⅜ in. wick .....per dozen **EE** $0.95
No. 101—Fits No. 1 collar, takes ⅝ in. wick .....per dozen **DE** $0.75
No. 102—Fits No. 2 collar, takes 1 in. wick .....per dozen **JFJ** $1.05
This burner has been on the market many years and has given satisfaction. More of them are now sold than of any other make.
ONE DOZEN IN A BOX; FIFTY DOZEN IN A CASE.



Extra Heavy Gauge, All Brass.
No. 42—Venus, fits No. 2 collar, takes 1 in. wick .....per dozen **ABJ** $2.00
No. 43—Queen, fits No. 2 or No. 3 collar, takes 1½ in. wick,
per dozen .....**AFJ** $2.70
The body braces and heavy chimney guides are securely riveted to the deck of the burner, thereby making them strong and durable.
ONE DOZEN IN A BOX; FIFTY DOZEN IN A CASE.



SUN HINGE, All Brass.
No. 292—Fits No. 2 collar, takes 1 in. wick .....per dozen **BAJ** $2.50
No. 293—Fits No. 3 collar, takes 1½ in. wick .....per dozen **DAJ** $6.80
These burners are extensively used on incubator heaters.
ONE DOZEN IN A BOX.

LAMP BURNERS.



No. 22—Fender patent, heavy brass, for No. 2 collar, 1 in. wick,
per dozen .....**AEJ** $2.50

This burner is constructed with a wide open air passage from base to flame. The extra air supplied to the flame removes much of the red color, making the light 50 per cent brighter than with ordinary burners. Burns any grade of kerosene oil without smoke or smell.

Guaranteed to burn without smoke.
ONE IN A BOX; ONE DOZEN IN A CARTON.

STEEL MANTLE.



No. 31—Improved steel mantle lamp burners, size 1, with No. 1, ⅝ in. wick .....per dozen **BDJ** $4.00
No. 32—Size 2, with No. 2, 1 in. wick, otherwise same as No. 31,
per dozen .....**BDJ** $4.00

These burners have a "steel mantle" in the cone which makes them give double the light of an ordinary burner without increasing consumption of oil. Burn without smoke or odor. A perfect light whether burning low or full flame.
ONE DOZEN IN A BOX.

ALL BURNERS ON THIS PAGE WEIGH FROM 2 TO 5 LBS. PER DOZEN.

LAMP SUNDRIES.

LAMP BURNERS.





CRUSO, All Brass.

No. 1—Cruso, fits No. 1 collar, takes ⅝ in. wick ....per dozen **JGJ** $1.15

No. 2—Cruso, fits No. 2 collar, takes 1 in. wick .....per dozen **JHE** $1.45

These burners are strong, carefully assembled, symmetrical in appearance and give a large white light. These burners are big sellers.

ONE DOZEN IN A BOX; FIFTY DOZEN IN A CASE.



All Brass.

No. 123—Regal, fits No. 2 or collar, takes 1½ in. wick, per dozen .....**AJE** $1.75

No. 23—Pilot, fits Nos. 2 or 3 collar, takes 1½ in. wick, per dozen .....**AGE** $2.90

Regal burners are intended for use on lamps with No. 3 collars, but they also may be used on No. 2, as each burner is made with two separate threads.

The Pilot is heavier than the Regal, but otherwise is similar.

Above burners weigh from 2 to 5 lbs. per dozen.

ONE DOZEN IN A BOX; 25 DOZEN IN A CASE.

BRASS LAMP COLLARS.



No. 1—Inside diameter ⅞ in., made to fit No. 1 burner, per dozen **AB** $0.20

No. 2—Inside diameter 1⅛ in., made to fit No. 2 burner, per dozen **AC** $0.25

No. 3—Inside diameter 1⅜ in., made to fit No. 3 burner, per dozen **CJ** $0.55

LAMP WICKS.



Flat Cotton.

No. 0—⅜ in., cut, 8 in. long, per gross .....**BH** $0.60
No. 1—⅝ in., cut, 8 in. long, per gross .....**CE** .75
No. 2—1 in., cut, 8 in. long, per gross .....**JEJ** 1.10
No. 3—1½ in., cut, 8 in. long, per gross .....**JHE** 1.75

ONE GROSS IN A PACKAGE.

Circular Cotton.

No. 1—Rochester, 6 in. long, per gross .....**AHJ** 3.75
No. 2—Rochester, or B. & H., 6 in. long .....per gross **BEJ** $5.25
No. 3—Rochester, 8½ in. long, per gross .....**JHFE** 18.00
No. 00—Belgian, 9 in. long, per gross .....**JFEJ** 13.50
No. 2—Miller's, split wicks, adapted for Miller lamps, 7½ in. long, per gross .....**DCJ** $9.00
No. 3—Miller's, split wicks, adapted for Miller lamps, 8½ in. long, per gross .....**AJGJ** $22.25

Please note that No. 3 Miller Split Wick is practically the same as No. 3 Perfection Heater Wick.

ONE DOZEN IN A PACKAGE.

Peff, for night and hand lamps, 7 in. long .....per gross **BH** $0.60

ONE GROSS IN A PACKAGE.

Flat Cotton Stove.

4 in., 8 in. long, per gross **CJJ** 6.25

Circular Cotton Stove.

8 in., single thick, 8 in. long, per gross .....**JEGE** $12.00
10 in., single thick, 8 in. long, per gross .....**JGDE** 15.50
15 in., single thick, 8 in. long, per gross .....**JIEJ** 19.75
10 in., double thick, B. & B., 7 in. long, per gross .....**JHIJ** $18.50

No. 1J oil heaters take 8 in. single thick circular wick; No. 2J oil heaters take 10 in. single thick circular wick; No. 3J oil heaters take 15 in. single thick circular wick; No. 10 oil heaters take 10 in. double thick circular wick. Nos. 40, 60, 80, 37A, 37B, 37AB and 24 take No. 3 Rochester lamp wick.

ONE DOZEN IN A PACKAGE.

CANDLE WICKS.



Cotton Ball.

No. 5—Medium quality yarn, for burning or high grade packing purposes, per pound .....**AE** $0.25

No. 10—Searchlight, fine yarn or thread wick, of finest quality, for miner's lamps .....per pound **CE** $0.50

5 LBS. IN A PACKAGE.

OIL STOVE WICK.



No. Y [redacted]—Wick with perforated metal carrier, 3⅛ in. in diam., 3 in. high, for 1910 pattern [redacted] oil cook stove, w't per doz. 3 lbs., per dozen .....**AHJ** $3.00

No. X [redacted]—Wick with perforated metal carrier, 3½ in. in diam., 3⅛ in. high, extra high grade, double thickness, for 1911, 1912, 1913 and 1914 [redacted] oil cook stoves, w't per doz. 3 lbs. .....per dozen **AGJ** $3.00

THREE DOZEN IN A CASE.

ASBESTOS KINDLERS.



No. 6D—3½ in. in diam., ⅝ in. high, asbestos perforated crimped tin bound, for use on Nos. 501, 502, 503, 801, 802, 803, 823, 834 and 835 blue flame oil cook stoves, w't per doz. 1 lb. ....per dozen **CE** $0.60

ONE DOZEN IN A PACKAGE.

GAUGE GLASSES, MINERS ACCESSORIES, ETC.

GAUGE GLASSES.

MONCRIEFF

Discount GH%.

Best Imported Genuine Moncrieff Scotch Glass, Unusually Strong and Will Withstand a Very High Temperature.

Length	Outside diam. ½in.	⅝in.	¾in.
Less than 10 in., per doz.	$3.00	3.00	3.60
10 in. .....per dozen	3.00	3.00	3.60
12 in. .....per dozen	3.60	3.60	4.32
14 in. .....per dozen	4.20	4.20	5.16
15 in. .....per dozen		4.44	5.52
16 in. .....per dozen	4.80	4.80	5.88
18 in. .....per dozen	5.40	5.40	6.60
20 in. .....per dozen		6.00	7.44
22 in. .....per dozen		6.60	8.16
24 in. .....per dozen		7.20	8.88

ONE-HALF DOZEN IN A PACKAGE.

LUBRICATING GLASSES.

Length, in..	3	4	5	6
Diam., in...	¾	¾	¾	¾
Per dozen ..	$0.80	.80	1.00	1.00
	EJ	EJ	JFJ	JFJ

ONE-HALF DOZEN IN A PACKAGE.



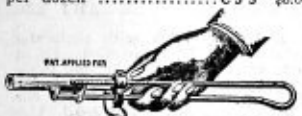
RUBBER GAUGE GASKETS.

Inches	½	⅝	¾
W't per gro., lbs. ..	¾	1	1¼
Per gross $1.50	1.50	1.50	
	JGJ	JIJ	ABJ

GAUGE GLASS CUTTERS.



No. 10—Steel, nickel plated, adjustable slide with set screw, steel cutting wheel, length 8 in., diameter ⅞ in., w't per doz. 3 lbs., per dozen .....**CJJ** $6.00



No. 9—Fletcher, steel, nickel plated, adjustable guide with set screw, improved lever attachment, highest grade cutters, length 11 in., w't per doz. 8 lbs. ...per dozen **JGBJ** $12.00

The lever attachment makes this a very quick, easy and accurate cutter.

ONE DOZEN IN A BOX.



No. 7—Wilkins, nickel plated steel beam, accurately graduated in eighths up to 8 in., enameled wood handle, length over all 13½ in., w't per doz. 5 lbs., per doz. **ACJJ** $21.00

This is the finest tool for the purpose ever produced. An extra cutter wheel packed in each box.

Light pressure on thumb latch holds cutting wheel against inside of glass.

ONE IN A BOX.

MINE LAMP REPAIRS.



Justrite Assortment.

No. 2—Justrite, repair assortment, w't per asst. 2 lbs., per asst. **DHJ** $8.00

Assortment Consists of

	Each	
6 doz. No. 97D rubber gaskets	0.05	3.60
3 doz. No. 93D felt packing	.05	1.80
6 doz. No. 98D burner tips	.05	3.60
1 doz. No. 94D raking wires	.05	.60
1 doz. No. 93D felt holders	.05	.60
½ doz. No. 92D valve stems	.15	.90
Total retail value		$11.10

ONE IN A PACKAGE.



No. 26—Combination reflector with lighter, 2½ in. polished brass reflector with adjustable clamp to fit all makes of carbide mine lamps, w't per doz. 12 oz., per doz..... **BDJ** $4.00

ONE DOZEN IN A PACKAGE.

No. 172—Flints for No. 26 Reflector, per dozen .....**BE** $0.40

No. 323D—Reflector, for all numbers of Baldwin mine lamps, per dozen .....**BE** $0.40

No. 97D—Rubber gaskets, square edge, for all numbers of acetylene mine lamps .....per dozen **BE** $0.40



No. 94D—Raking wires, for Nos. 99, 88, 100D, 290, 310 and 320 lamps, per dozen .....**CJ** $0.50



No. 74—Justrite burner cleaner, per dozen .....**JIE** $1.60

The fine cleaning drill is always protected. Arranged so it may be used as a watch charm. A handy and necessary little tool.

ONE DOZEN IN A PACKAGE.

No. 91D—Burner drills for cleaning acetylene lamp burner tips, per dozen .....**CJ** $0.50

MINE LAMP REPAIRS.



Nos. 322D to 98D.



No. 95D.

No. 322D—Rubber gaskets, round edge, for all numbers of acetylene mine lamps .....per dozen **BE** $0.40

BURNER TIPS.

No. 321D—Burner tips, for all numbers of acetylene mine lamps, per dozen .....**AH** $0.30

No. 98D—Improved soot-proof burner tips, to fit all numbers of acetylene mine and camp lamps, per dozen .....**BE** $0.40

No. 95D—Felt packing for Nos. 99, 88, 100D, 310, 290 and 320 lamps, per dozen .....**BE** $0.40

MINER'S CANDLESTICKS.



No. 10—California pattern, length 10 in., forged steel rod and hook, spring steel candle holder, w't per doz. 3 lbs. .....per dozen **CCJ** $5.50

TWO DOZEN IN A BOX.



No. 11—Varney, made from one piece ¼ in. octagon tool steel, blued finish, length 12 in., w't per doz. 6 lbs., per dozen .....**CIJ** $6.50

This is an extra well made candlestick. The point is extra sharp.

MINERS' CAPS.



White Duck, Lined, Duck Covered Peak, Tin and Hard Fibre Lamp Holder.

No. 63D—Size 7, w't per doz. about 6 lbs. .....per dozen **AHJ** $3.00

No. 64D—Size 7⅛, w't per doz. about 6 lbs. .....per dozen **AHJ** $3.00

No. 65D—Size 7¼, w't per doz. about 6 lbs. .....per dozen **AHJ** $3.00

No. 62D—Assorted sizes in a box as follows—one 6¾, two 6⅞, three 7, three 7⅛, two 7¼, one 7⅜, w't per doz. about 6 lbs., per doz. **AHJ** $3.00

ONE DOZEN IN A BOX.

MINERS' LAMPS.

OIL.



No. 18—Cruso, miner's, height 2¼ in., bottom 1⅛ in., double spout, ⅜ in. inner spout, seamless brass collar, single hook, w't per doz. 3 lbs., per dozen .....**ADE** $2.40

No. 28—Cruso, driver's, height 2½ in., bottom 1⅜ in., double spout, ⅛ in., inner spout, seamless brass collar, single hook, w't per doz. 3 lbs., per dozen .....**AEE** $2.60

The seamless brass collar insures a perfect fitting cover. Cover hinge is formed from solid metal of cover and collar, avoiding use of solder at this point.

ONE DOZEN IN A BOX.

ACETYLENE.



No. 320.

No. 310—Baldwin, brass, height 3¼ in., reflector 2¼ in., bottom 2⅛ in., with flat hook to be used where Sunshine lamps have been used, with extra brass carbide container, w't per doz. 5 lbs. .....per dozen **AJHJ** $18.00

No. 320—Baldwin, with single wire hook, otherwise same as No. 310, per dozen .....**AJHJ** 18.00

The carbide container holds sufficient to burn four hours continuously. The extra container has air proof screw cap to permit carrying extra charge.



No. 290D—Baldwin, brass, nickel plated and highly polished, height 3½ in., hinged handles, hook for cap or belt, concentrating reflector, with extra carbide container, w't per doz. 5 lbs., per dozen .....**AFBJ** $27.00

An ideal light for mine superintendents, mechanics, sportsmen, for hunting, camping, fishing, etc. Weight, ready for use, only 6 oz., and gives a light of nearly 14 candle power for three hours on one filling.

ONE IN AN ATTRACTIVE CARTON; ONE DOZEN IN A BOX.

ACETYLENE.



No. 250.



No. 80.

No. 250—Baldwin, lever feed, polished brass, height 3¼ in., reflector 2⅛ in. diam. with automatic lighter, with extra carbide container, w't per doz. 5 lbs. .....per dozen **AJHJ** $18.00

This is a new Baldwin Lamp embodying all latest improvements without increasing the weight.

No. 80—Justrite, 18½ C. P. polished brass, German silver reflector, new lever feed, complete with one extra carbide container, w't per doz. 3¼ lbs., per dozen .....**AJHJ** $18.00

The new lever feed places the flame under absolute control. Safety outlet through center of valve makes lamp proof against possible explosions.



No. 130—Justrite, polished brass, 3⅝ in. high, w't only 4¼ ounces, with lighting attachment, spiral feed, with extra carbide container, w t per dozen 3¼ lbs.....per dozen **GEJ** $9.00

This is a new lamp, embodying novel features, construction is so simple the lamp can be taken apart, thoroughly cleaned and put together again in a few minutes.

ONE IN A BOX.

CARBIDE.

¼x1-12 in. calcium carbide is recommended for use in above lamps, although satisfactory results may be obtained from ½ in. size known as bicycle size. For price and shipping points on calcium carbide, see page 2314B.

ACETYLENE.



No. 85—Justrite, 18½ C. P. polished brass, with 2½ in. polished brass reflector, with lighting attachment, lever feed, complete without extra carbide container, w't per doz. 4½ lbs. .....per dozen **AJHJ** $18.00

The lighting attachment consists of a file wheel which is rotated by a downward stroke of the hand across a piece of pyrophoric metal, producing a spark which instantly lights the gas.

No. 91—Justrite, 18½ C. P. metal miners' half shift lamp, burns 5½ to 6 hours to a filling, 2½ in. polished brass reflector, with lighting attachment, new lever feed, steel hook, steel stick for attaching lamp to mine timber, complete without extra carbide container, w't per doz. 9 lbs., per dozen .....**ADDJ** $24.00

Just the lamp for the metal miner or for the mine superintendent. Produces the best possible light, always under perfect control for from 5½ to 6 hours.

ONE IN A CARTON, ONE DOZEN IN A BOX.

CAMP.



No. 100D—Justrite, nickel plated brass, height 3¼ in., 2 in. German silver reflector, with hood, improved soot proof burner tip, cap hook and handles, complete with one extra carbide container and directions, w't per doz. 8 lbs. .....per dozen **ADDJ** 24.00

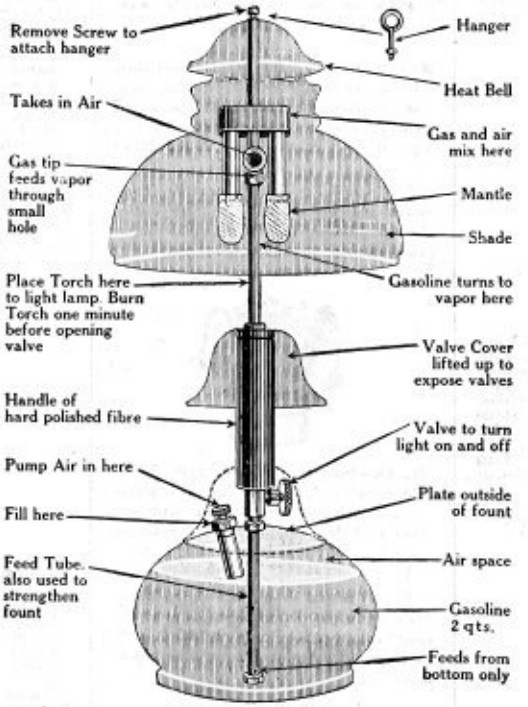
Burns four hours to one filling. The German silver reflector hood concentrates the light, also protects the flame from wind and rain. An ideal fishing lamp.

ONE IN AN ATTRACTIVE WOOD BOX; ONE DOZEN IN A PACKAGE.

The Justrite is a new patent lamp. It burns four hours to one charge. Has new improved soot-proof burner tip. The reflector is solid German silver and can be kept bright with ordinary metal polish. It is a miniature searchlight or headlight.

The Last Word in Gasoline Vapor Lamps.

Brilliant, Simple, Durable, Economical—in a Word Satisfactory.



H.S.B. & CO. REV-O-NOC Improved Reading Lamp—

"We Always Stand Behind the Brand"

GASOLINE LAMPS—PAGE 1010A.

OUR VERY BEST
H.S.B. & Co. REV-O-NOC

STOVES & RANGES

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

H.S.B. & Co. REV-O-NOC
OUR VERY BEST

REV-O-NOC

STOVES AND RANGES.

INTRODUCTION.

In buying stoves, a merchant is governed by at least three prime factors—Quality, Design, Price.

The quality of REVONOC stoves is the very highest, the castings are continually made smoother, the nickel brighter, mounting and fitting better, crating first-class, at prices just as low as is consistent with such unquestioned quality.

All REVONOC stoves are inspected by two competent men, and any failure to perform that duty we request be reported promptly to us by merchants and salesmen.

Changes in design will occur at repeated necessary intervals, always with the object of keeping the line in the lead.

WHY OUR PRICES ARE LOW.

Our prices are lower than those of the regular manufacturers on equal goods for the reason that our selling expenses, etc., are divided among so many different lines of goods. The expense of sending our salesmen to your town is not charged to our stove department alone. The entire expense born by so many different departments makes the expense added to one line of goods very small, which benefit our customers share in.

SPECIALTIES.

We aim to supply our customers with "specialties"—money makers for the merchant. Stoves that are different from those made by any one else, containing talking points and features that place them in a class by themselves. We refer to our REVONOC Malleable Range, the REVONOC Base Burner, the REVONOC Hot Blast, the REVONOC Oak Heater, the REVONOC Oil Cook Stove, etc.

REVONOC NUMBERING.

In ordering stoves, always use the full name and full number of the stove desired.

A letter before a number indicates the first letter of the name of the stove. The letter "C" after the number means High Closet. The letter "R" means reservoir. "C. R." means High Closet and Reservoir. "S" indicates High Shelf.

Thus, S69-18CR is the Supreme REVONOC Range with 9 in. lids, 18 in. oven, high closet and reservoir.

ABOUT SHIPPING.

Cooking stoves will always be shipped without reservoirs, unless otherwise specified.

Steel ranges will always be shipped with high closets unless ordered otherwise.

Cast ranges are always shipped with low back guard and tea shelves, unless otherwise ordered.

All stoves not "starred" are carried in our warehouse, and prompt shipment can be made. Where "starred" for factory shipment, there will be no delay as we carry a stock on hand at the factory warehouse at all times.

REPAIRS.

In ordering repairs, always furnish the full name and number of stove. Do not use number on invoice. If not able to describe the repair, make a drawing of it. Give a full and detailed description, and delays and mistakes will be avoided.

We aim to furnish all repairs promptly and correctly. We are not mind readers and when "we take chances" and go wrong, we want the merchants to appreciate that in order to save delays occasioned by asking a number of questions, we "took the chance" and shipped the goods.

HANDLING CAR LOADS.

Combination or Pool cars are very successful as they enable merchants at distant points to order goods in less than carload quantity and still receive the carload rate of freight to a central distributing point in their near vicinity. These cars are loaded out very carefully by ourselves,

Salesmen and merchants will be greatly surprised at the ease with which a car can be made up, especially so when they take into consideration that stove pipe, stove furniture, etc., can usually be loaded in car with stoves. The advantage, therefore, of buying from a jobber is apparent. A merchant can purchase, for instance, half a car or more of stoves and make up the balance with stove furniture. It will save him a considerable amount of freight and his goods will usually arrive in much better shape than local. This applies not only to the merchant who buys in straight carload, but also to those who buy in combination or pool cars. We have stove cars for all central points west, northwest and southwest and south.

LOCAL ADVERTISING.

Good advertising is absolutely essential to business success nowadays, and those who are handling REVONOC stoves can promote their business very greatly by the judicious use of the local newspapers, and we will assist customers in preparation of advertisements, that announcements may be as effective as possible. For that purpose we keep on hand electrotypes of our various stoves and ranges, and also of our trademark, suitable for use in newspaper ads and in circulars or price lists. These we shall be pleased to furnish without charge to those who will use them.

In addition to supplying these cuts, we are prepared to offer suggestions as to the text-matter to be employed and as to the methods of advertising which we would consider most desirable in each particular locality. In that way, we hope to save our customers a great deal of time and trouble, besides helping materially to increase their sales and their profits.

SETTING UP AND OPERATING REVONOC STOVES.

First—See that the flue stopper leading into flues under over of cooking stove, or under base of base-burner is tightly in place.

Second—That the chimney is clear and has a good draft at pipe hole. Many chimneys are made too low and draw better when a "smoke stack" is put on. Chimney must be higher than any point of house.

Third—That the pipe fits closely on the stove and in the chimney.

Fourth—That the pipe does not go too far into the chimney.

Fifth—That there are no pipe holes open on the opposite side of the chimney, either above or below, and that there is no unused stove with draft slide open, leading into the same chimney.

Sixth—Avoid having the pipe telescope at the elbows. If you have all these parts properly adjusted and well arranged, open the direct draft damper—see "Dampers"—and see if you can get a good fire in the stove, together with a strong draft. If the stove will not burn well, then the trouble is not in the stove, but above it.

If the fire burns well on the above direct draft, close the oven damper, then if it will not heat the oven and bake well, please examine the flues and damper, and see—

First—That all the flues are open and clear so that smoke can pass freely through them. In cleaning out flues be sure to scrape all sides of flues, and especially scrape off all soot that hangs to oven-bottom. Pull all soot towards you, and be careful not to push any of it back into the back flues, but scrape from the extreme back forward. When using soft coal, clean flue often.

Second—Examine all the dampers in the flues and see that they open and close tightly, and do not get out of place.

Third—Be sure that you know how they operate, so they may not be open when you think they are closed.

If you have a stove with reservoir, be sure that the damper—if one is in stove—to force the heat under the reservoir is closed, so that all the heat must go around the oven. Lift out reservoir and ascertain by examination the operation of reservoir damper.

DAMPERS.

Almost all cook stoves or ranges having reservoirs have two dampers, the direct draft damper opening directly into the chimney and reservoir damper. The direct draft damper when open throws all heat directly up chimney and should be used only in starting fire to hurry it. When closed it forces heat around oven. The reservoir damper must be closed when baking.

Hard coal base burners have the direct draft damper on the right or left side just below pipe collar. When open, it permits the heat to go straight up the chimney, and when closed, heat passes down to the base, around it and then up into the chimney. The check damper is just below the direct draft damper.

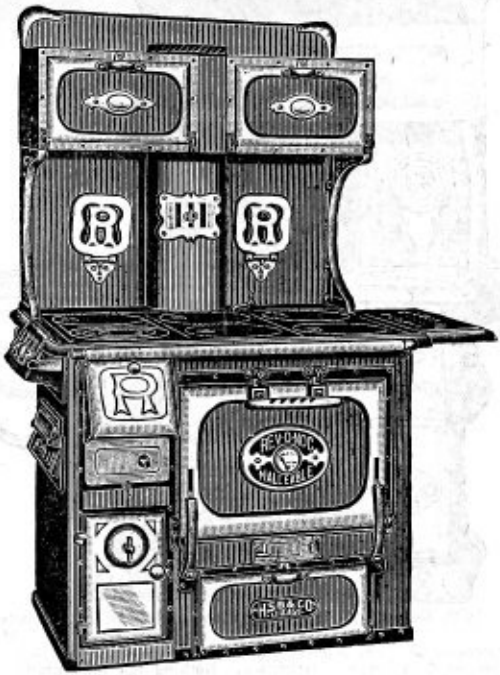
GUARANTY.

WE GUARANTEE ALL REVONOC STOVES AND RANGES TO WORK PERFECTLY OUT OF DOORS—AWAY FROM ALL BUILDINGS—WITH FOUR JOINTS OF PIPE. ANY STOVE THAT WILL OPERATE UNDER SUCH CONDITIONS WILL WORK PERFECTLY WHEN PROPERLY CONNECTED TO A GOOD CHIMNEY.

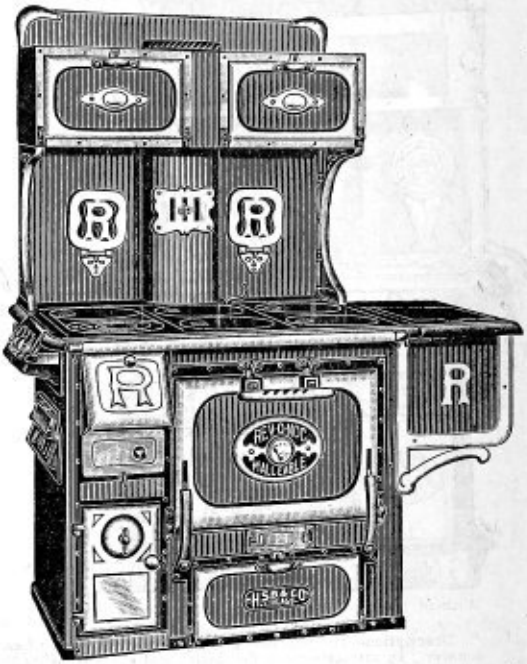
If a stove is complained of, never take it back without trying to correct the difficulty. If you cannot do so, **write us** and we will be glad to offer suggestions.

REVONOC MALLEABLE STEEL RANGES.

FOR ANY COAL OR WOOD.



Without Reservoir, with High and Low Closet, and Oven Thermometer.



With Copper Reservoir, High and Low Closet, and Oven Thermometer.

Description—The REVONOC Malleable is in every way **The Best** in steel range construction possible for unlimited capital and skilled workmen and high grade material to produce.

Malleable Iron Features—All outside castings, liable to breakage, such as door frames, tops, etc., are malleable iron. This is not a "semi-malleable," but a FULL MALLEABLE range, strictly built on honor.

Walls—Are made of 18 gauge genuine blue polished steel, thoroughly protected by heavy sheets of asbestos, and an inner wall of steel firmly riveted together, making it rigid.

Oven—Is 16 gauge steel, rigidly braced, making it absolutely impossible to warp. The oven is riveted to a malleable iron—non-breakable—angle frame. This frame is riveted to the main body, making an absolutely perfect non-breakable joint. The oven is aluminized, making it clean and sweet.

Top—Is of a high grade malleable—non-breakable—iron, beautifully POLISHED, fitted with 3 interchangeable plates, into which lids and short centers fit, making practically an indestructible top.

Pouch Feed—Extra large, on left end of range, enables feeding fuel evenly entire length of box, without disturbing utensils on top, and will also take a large broiler.

End Draft—Entire length left end of range, gives equal distribution of draft entire length of fire box, making an even fire.

Grate—Duplex, reversible for wood or coal, extra heavy and durable.

Fire Box—Is perfectly proportioned to give the greatest maximum heat with smallest minimum of fuel consumption.

Low Closet—Of large capacity, fitted with perfectly tight door, hung on malleable iron frame.

Reservoir—Is of pure copper, tinned inside, of 11 gallon capacity and heated by contact.

Ash Pit—Is near floor, such a long distance from grate that ashes cannot possibly bank up under and burn it out.

Thermometer—In oven door, indicates degrees of heat in oven, saves opening door to ascertain by various ancient methods "whether oven is hot enough to bake." Saves steps, time and prevents "guess work."

Nickel—"White, beautiful and bright." Lasts a long time. Being free from superfluous carving, prevents accumulation of grease and dirt and makes an easy range to keep clean. Nickel is as follows—Reservoir cheek endge and panel, oven door frame, panel and handle, feed door, clean-out door, ash pit door, low closet door frame and panel, rails and full nickel high closet.

Without Reservoir, with High and Low Closet, and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. M818-C	6—8 in.	18x19x14 in.	43½x28 in.	470 lbs.	.....DCDJ	$81.00
No. M920-C	6—9 in.	20x21x14 in.	45½x29 in.	520 lbs.	.....DEHE	88.00

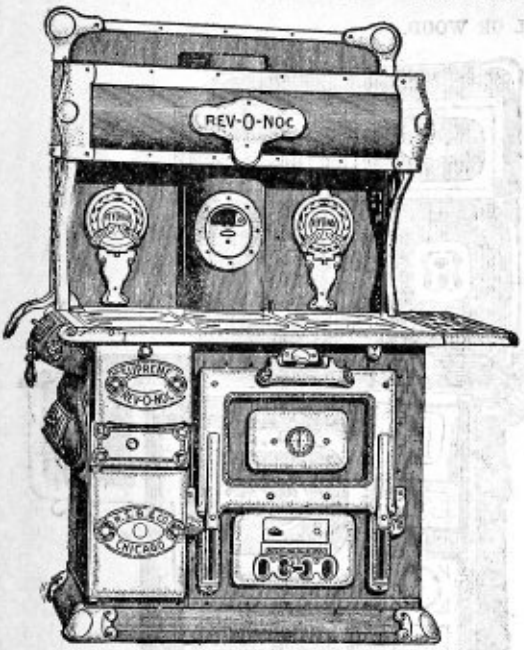
With Reservoir, with High and Low Closet, and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. M818-RC	6—8 in.	18x19x14 in.	49x28 in.	535 lbs.	.....DIHJ	$95.00
No. M920-RC	6—9 in.	20x21x14 in.	51x29 in.	600 lbs.	.....JEBCJ	102.00
Water front				30 lbs.	.....extra CJJ	5.50

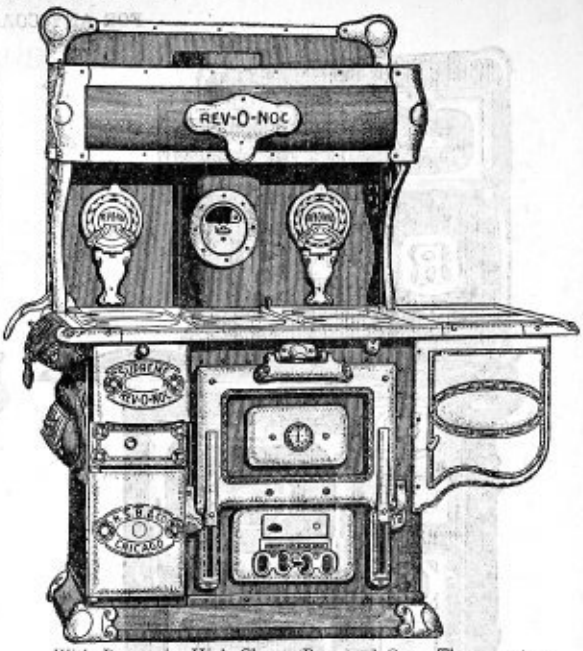
FURNISHED ONLY AS SHOWN—ORDER BY NAME AND NUMBER.

SUPREME HIBBARD REVONOC STEEL RANGES.

FOR ANY COAL OR WOOD.



Without Reservoir, with High Closet, Base and Oven Thermometer.



With Reservoir, High Closet, Base and Oven Thermometer.

Description—The Supreme HIBBARD REVONOC, as the name signifies, represents the very highest grade steel ranges made in this country. In attractiveness, durability and value it spells the last word in range construction. Nothing but high grade material and high grade workmanship used in building this beautiful range.

Walls—Made of cold rolled charcoal iron, which is the most durable material obtainable for this purpose. It will not become pitted or corroded, neither will it rust nor burn off. The body is made of double steel walls. Cone head rivets used. They are driven by compressed hammers, same as in boiler construction.

Oven—Bottom plate is made of 12 gauge wrought steel, securely braced with cast iron plates. Top and sides are made of 14 gauge steel. Top is well braced and will not warp. Oven rack made of 8 gauge wire. Inside of oven is aluminized. The door has non-breakable, sliding brackets which move up and down in a grooved slide. It drops to a horizontal level and forms a convenient shelf that will support any weight up to 300 lbs.

Top—The finest fitting key plate top ever put on a range. Made of high grade smooth castings, beautifully polished.

Pouch Feed and Draft Door—Are combined. Opening plenty large to feed fire evenly, avoiding necessity of lifting covers to feed through top. Front key plate top section is fitted with nickel lifter to be used for broiling.

Hot Blast Draft—In front of range discharges heated air between the flue bottom and the main bottom of the stove under the fire box, spreading the draft evenly from front to back.

Grate—Duplex pattern, so made that one movement of crank cuts out the dead ashes and cinders and drops them into ash pan. It is easily removed through special grate door without disturbing water front or linings. No grate frames or tracks to warp and get out of order, and no grate holder to get loose.

Fire Box and Flues—Are carefully proportioned to produce quickest heat from the smallest quantity of fuel. The linings are heavy and durable. There is ample ventilation behind the linings to prevent their burning out. Linings are guaranteed for five years. Extension fire box to use for wood.

Reservoir—Is white enameled on cast iron, capacity eight gallons. Easily removed.

Ash Pit—Is large, and situated so far from grate that ashes will not bank up under it. Ash pan has large capacity and is fitted with handles that make it convenient to carry.

Thermometer—Is high grade, and so placed in door that it correctly indicates the temperature of oven.

Base—Is made of pressed steel, perfectly smooth. No chance for unsanitary accumulations. Nickel corners.

Nickel—Smooth, best grade trimmings used on this range, free from flaws, and bright and beautiful in appearance.

Without Reservoir, with High Closet, Base and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. S6816-C	6—8 in.	16x21x14 in.	29x49 in.	485 lbs.★	DJAJ	$68.00
No. S6818-C	6—8 in.	18x21x14 in.	29x50 in.	504 lbs.★	DCBJ	72.00
No. S6918-C	6—9 in.	18x21x14 in.	29x50 in.	504 lbs.★	DCBJ	72.00
No. S6820-C	6—8 in.	20x21x14 in.	29x52 in.	519 lbs.★	DEFJ	76.00
No. S6920-C	6—9 in.	20x21x14 in.	29x52 in.	519 lbs.★	DEFJ	76.00

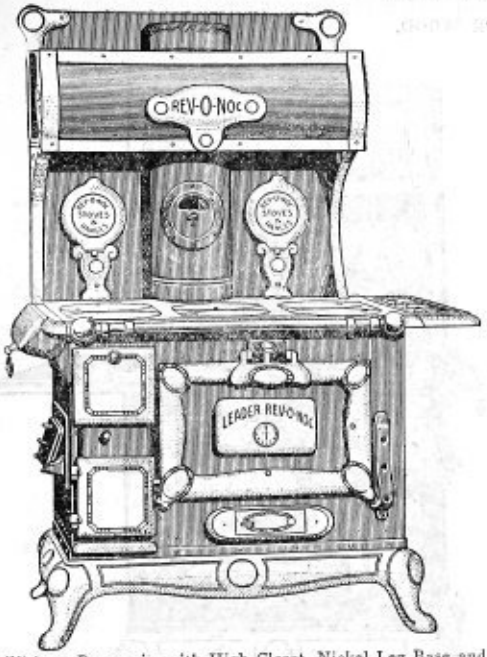
With Reservoir, High Closet, Base and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. S6816-RC	6—8 in.	16x21x14 in.	29x49 in.	585 lbs.★	DHJJ	$80.00
No. S6818-RC	6—8 in.	18x21x14 in.	29x50 in.	604 lbs.★	EJDJ	84.00
No. S6918-RC	6—9 in.	18x21x14 in.	29x50 in.	604 lbs.★	EJDJ	84.00
No. S6820-RC	6—8 in.	20x21x14 in.	29x52 in.	619 lbs.★	EBHJ	88.00
No. S6920-RC	6—9 in.	20x21x14 in.	29x52 in.	619 lbs.★	EBHJ	88.00
Water Front					extra CCJ	5.50

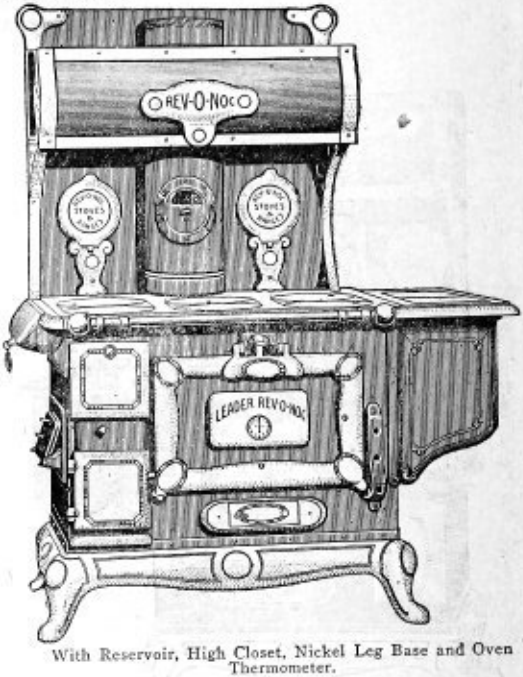
★ ALL NUMBERS SHIPPED FROM FACTORY NEAR MINNEAPOLIS, MINN. ORDER BY NAME AND NUMBER.

LEADER REVO-NOC STEEL RANGES.

FOR ANY COAL OR WOOD



Without Reservoir, with High Closet, Nickel Leg Base and Oven Thermometer.



With Reservoir, High Closet, Nickel Leg Base and Oven Thermometer.

Description—The Leader REVO-NOC is a high grade range, made of first-class material by skilled workmen. The design is neat and compact. Its pleasing appearance and many good points will make it one of the best sellers on the market.

Walls—Are made of Wood's refined charcoal iron, patent leveled and re-squared. All parts of body are protected by asbestos board, held in place by extra sheet steel, making body of range three wall construction.

Oven—Is made of patent level steel, assuring level bottom. The top is well braced so that it will not warp. Steel rack is furnished. Oven door is perfectly balanced and opens horizontally wih oven bottom, making a convenient shelf.

Top—Is made of three interchangeable key plates or sections. It will last much longer than ordinary top and is well fitted so there is no danger of its cracking from expansion. Covers and cross sections are heavy and substantial. Is large enough to take six 9 in. covers.

Pouch Feed—Is good size, so that fire can be easily and evenly fed without disturbing cooking vessels over fire box.

End Draft—Provides for as much draft in back of fire box as in front, making an even heat throughout entire length of fire box.

Grate—Is Duplex pattern, turned down for coal, reversed for wood.

Fire Box—Is of good proportion and size to get the maximum of heat from the minimum quantity of fuel. Has extension for wood. Fire back is made of three horizontal corrugated sections which gather ashes and protect the linings from the direct flame.

Ash Pit—Is large and far enough removed from fire box so that ashes will not bank up under the grate.

Base—Plain nickel leg base, which is very much in demand at the present time. Very attractive and easy to clean under stove.

Dampers—This range is equipped with sliding damper to control heat in oven and also with combination check and damper in the high closet pipe.

Nickel—High grade, plain nickel trimmings are used. Easy to keep clean. Following parts are nickel—Clean-out door, oven door frame, handle and panel, leg base, ash pit and feed doors, towel bar, full nickeled closet.

Without Reservoir, with High Closet, Nickel Leg Base and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. L6818-C	6—8 in.	18x20x13 in.	42x29 in.	375 lbs.★	CFJJ	$56.00
No. L6918-C	6—9 in.	18x20x13 in.	42x29 in.	375 lbs.★	CFJJ	56.00
No. L6820-C	6—8 in.	20x20x13 in.	42x29 in.	400 lbs.★	CGHJ	59.00
No. L6920-C	6—9 in.	20x20x13 in.	42x29 in.	400 lbs.★	CGHJ	59.00

With Cast Iron Porcelain Enamel Lined Reservoir, High Closet, Nickel Leg Base and Thermometer.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. L6818-RC	6—8 in.	18x20x13 in.	47x29 in.	475 lbs.★	DBJJ	66.00
No. L6918-RC	6—9 in.	18x20x13 in.	47x29 in.	475 lbs.★	DBJJ	$66.00
No. L6820-RC	6—8 in.	20x20x13 in.	47x29 in.	500 lbs.★	DCHJ	69.00
No. L6920-RC	6—9 in.	20x20x13 in.	47x29 in.	500 lbs.★	DCHJ	69.00

With 14 oz. Copper Contact Reservoir with nickel plated cast frames, capacity about 10 gals. ..... extra JCFJ 12.00

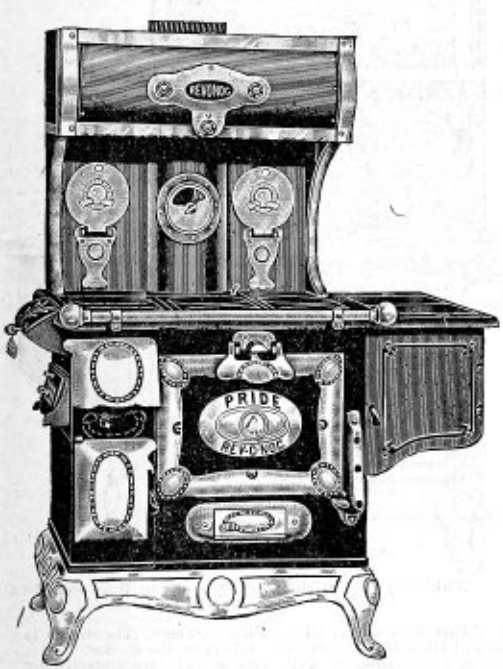
Water Front ..... BGJ 4.50

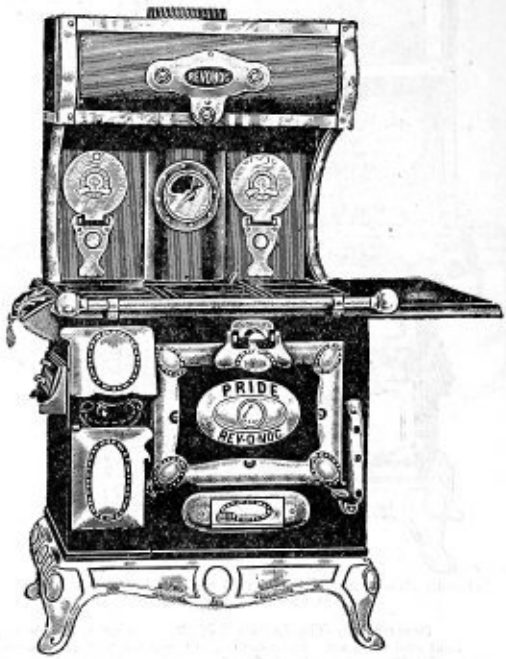
All the above ranges furnished with polished tops.

★*ALL NUMBERS SHIPPED FROM FACTORY NEAR MINNEAPOLIS, MINN. ORDER BY NAME AND NUMBER.*

REVONOC "PRIDE" STEEL RANGES.

FOR COAL OR WOOD.





Description—In the Pride we have endeavored to furnish an attractive, substantial range at a medium price.

The Body is made of Wood's Refined Iron, electric welded.

The top is made in key plate sections which will wear much longer than the ordinary stove top.

The Fire Box is well proportioned, the linings durable, fitted with heavy duplex grate which burns wood or coal. All cast frames and trimmings are full nickel plated, making the Pride a very attractive range. An accurate oven thermometer is furnished with every range.

With High Closet and Oven Thermometer.

No.	No. of Holes	Size of Oven	Size of Top	Height of Top	W't		Each
P16–68C	6—8 in.	16x18x12½ in.	26½x39 in.	33 in.	330 lbs.★	BGFJ	$46.00
P16–49C	4—9, 2—8 in.	16x18x12½ in.	26½x39 in.	33 in.	330 lbs.★	BGFJ	46.00
P18–68C	6—8 in.	18x18x12½ in.	26½x39 in.	33 in.	330 lbs.★	BIDJ	49.00
P18–49C	4—9, 2—8 in.	18x18x12½ in.	26½x39 in.	33 in.	330 lbs.★	BIDJ	49.00

With Encased Cast Enameled Reservoir, High Closet and Oven Thermometer.

No.	No. of Holes	Size of Oven	Size of Top	Height of Top	W't		Each
P16–68CR	6—8 in.	16x18x12½ in.	26¼x41¼ in.	33 in.	380 lbs.★	CBAJ	$53.50
P16–49CR	4—9, 2—8 in.	16x18x12½ in.	26½x41¼ in.	33 in.	380 lbs.★	CBAJ	53.50
P18–68CR	6—8 in.	18x18x12½ in.	26½x43¼ in.	33 in.	380 lbs.★	CCIJ	56.50
P18–49CR	4—9, 2—8 in.	18x18x12½ in.	26½x43¼ in.	33 in.	380 lbs.★	CCIJ	56.50

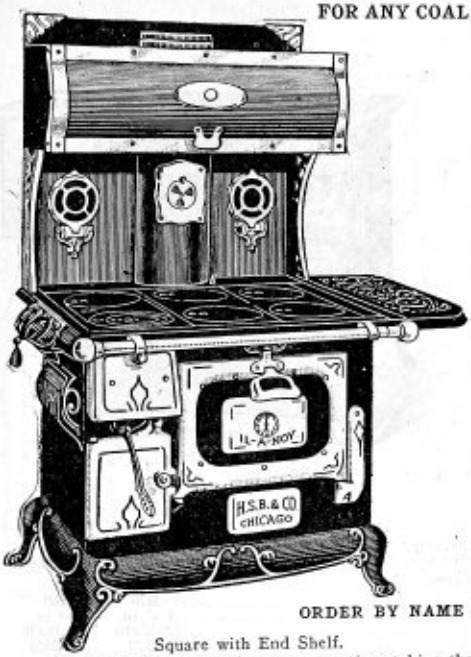
Extras That Can Be Furnished When Desired.

Water front in range, extra★	each	BDJ	$4.00
Water front separate, extra★	each	CCJ	5.50
Polished top, extra★	each	AEJ	2.50
Wood grate, extra★	each	JFJ	1.00

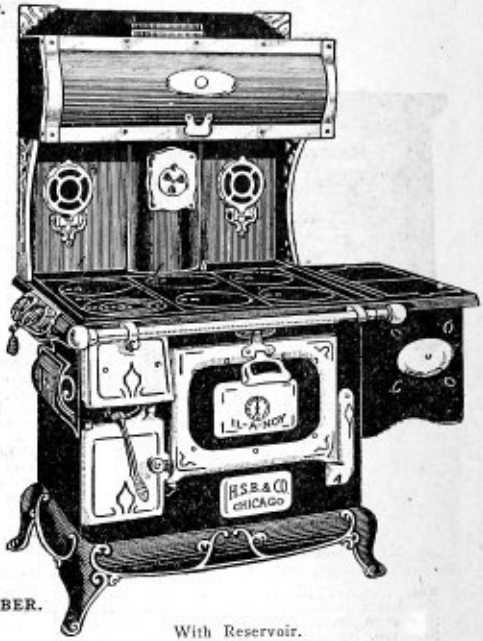
★*Shipped from factory near St. Paul, Minn. Order by name and number.*

IL-A-NOY STEEL RANGES.

FOR ANY COAL OR WOOD.



Square with End Shelf.



With Reservoir.

ORDER BY NAME AND NUMBER.

Description—New sanitary construction, taking the place of the Cruso. It is well made, latest design, and in appearance as attractive as much higher priced ranges. Best value in a low priced steel range that we have seen. Selected to take the place of the Cruso only after months of investigation, and we are able to sell it to you at prices that will enable you to meet all competition. Show a sample on your floor. It will help your stove business.

Walls—The body of this range is made of 20-gauge Keystone Copper Bearing Blue Steel, which stands up much longer than the steel used in competitive ranges. Asbestos lining is inserted in the right-hand wall between two sheets of steel. The bottom of the range is also covered with asbestos which holds the heat under the oven and saves fuel.

Oven—Is full size, made of 18 gauge patent leveled steel. Top is protected with asbestos. A cast iron support extends across top plate and supports top of range. Fitted with two runners, oven rack is made of cast iron, diamond shape, throwing all the heat to the pan. Competitive ranges usually have cheap wire racks. Oven door is fitted with strong spring that will stand up a long time. Thermometer registers accurately the temperature of the oven.

Top of Range—Made in three sections with two covers in each section. Sections are interchangeable and will wear much better than ordinary stove top found on most ranges of this price. One sectional cover supplied with each range.

Pouch Feed—Has good sized door so that fuel can be easily and evenly supplied.

Cast Left End—Has draft slide and strengthens range. Most ranges of this kind do not have a cast end—the draft door being bolted to the body of the range. A very flimsy construction.

Cast Main Front—Used on high priced ranges. Drop fire box door and ash pit door are cast lined. Nickel plating on these doors will not tarnish from heat.

Fire Box—Wide, fitted with heavy ventilated linings. Fire back is made in three interchangeable sections. The front grate lining, end linings, and fire back are perforated, which permits the air to circulate behind them and keeps them from burning out. The same linings will fit all sizes of the range, which simplifies the handling of repairs.

Grate—Duplex pattern is used so that either coal or wood can be burned by simply reversing the grate.

The Smoke or Flue Box on the back of the range is entirely made of cast iron. On competitive ranges it is made of sheet steel and rusts out quickly from creosote deposits. This cast iron construction is a big advantage over others.

Reservoir—We can supply either galvanized or copper contact reservoirs, about 8 gallon capacity. They are detachable and will fit all sizes of this range.

Base—The range is mounted on a heavy cast iron, sanitary leg base. It is made of the best grade of cast iron.

Nickel Trimmings—Are of highest grade, smooth and easy to keep clean. Clean out door, oven door frame, ash pit door, fire box door. Full nickeled high closet, towel rod and grate and shaker.

With High Closet, End Shelf and Oven Thermometer.

No.	Holes	Size Pipe	Size Oven	Height Top of Range	Height Top of Closet	Size Top Including Shelf	Weight	Each
814C	4—8 in., 2—6 in.	7 in.	14x18x12 in.	28 in.	57½ in.	26x36 in.	330 lbs.†	BJDJ $34.00
816C	6—8 in.	7 in.	16x18x12 in.	28 in.	57½ in.	26x38 in.	355 lbs.†	BACJ 35.50
818C	6—8 in.	7 in.	18x18x12 in.	28 in.	57½ in.	26x40 in.	370 lbs.†	BBEJ 37.50

With Galvanized Reservoir.		With Copper Reservoir.	
Size of top including reservoir 26x42 in., w't 370 lbs.†	No. 814-CR BCDJ $39.00	No. 1814-CR BEAJ	$43.00
Size of top including reservoir 26x44 in., w't 395 lbs.†	No. 816-CR BDCJ 40.50	No. 1816-CR BFGJ	44.50
Size of top including reservoir 26x46 in., w't 410 lbs.†	No. 818-CR BEEJ 42.50	No. 1818-CR BGIJ	46.50

L Shaped Water Front ..... extra CFJ 5.20

Cabinet Style instead of with leg base, deduct from list price 1.00

The cabinet style is fitted with a false bottom below the oven which strengthens the range, protects the floor from heat and assists in heating the oven bottom. Make orders read "Cabinet Style."

†SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.

STEEL COOK STOVES.

For Coal or Wood.

Material—Is made of smooth steel plate, well riveted and protected at the weakest points by asbestos.

Oven—Is made of extra heavy steel riveted firmly together and amply protected to prevent warping.

Flues—Are of ample capacity and provided with clean-out in rear of ash pit, reached from front of stove.

Linings—Are of cast iron, built on scientific principles, held firmly in place. The grate is shaking and dumping.

Reservoir—Made of galvanized iron, can be used on end, top or back, heats by direct contact.—Not for No. R27.

Steel Legs—No. R27 has steel legs turned so they may be bolted to the bottom of wagon.

RUSSELL.



No. R27.

RANGER.



Nos. R70 and R80.

Russell without Reservoir.

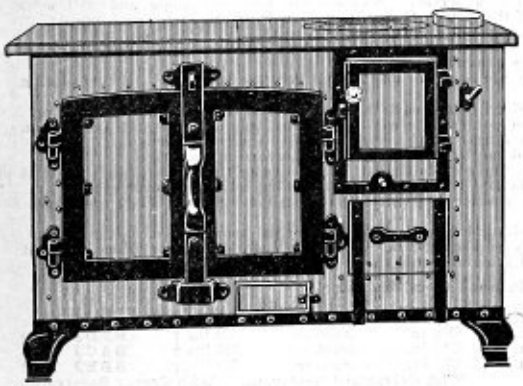
No. R27—4 holes, 12x17x10 in. oven, 20x23 in. top, 15½ in. light fire box, 24 in. high, w't 100 lbs. .....each **JGHJ** $13.00

Ranger without Reservoir.

Nos.	R70	R80
No. holes	4—7 in.	4—8 in.
Size oven, in.	12x17x10	12x18x10
Size top, in.	20x23	22x25½
Length fire box, in.	15½	16½
Height, in.	24	25½
W't, lbs.	102	118
Each	$14.50	17.80
	JIJJ	**AJGJ**

Reservoir—any size on Ranger .....extra, each **AHJ** $3.00

RANCH HOTEL STEEL COOK.



For Any Coal or Wood.

Steel Plate Cook—Illustrated is built of extra heavy steel, all exposed walls lined with asbestos and protected by inner steel walls hand riveted together, all rivets driven cold, preventing unequal expansion and contraction.

Oven—Is made of heavy steel plates firmly braced, preventing warping.

Oven Doors—Swing open in the center with less exertion than if all in one door. Has a bar extending from top to bottom, when door is closed clasps doors tight in two places.

Flue—Of sheet flue construction, heat passing over entire oven top in a broad sheet, giving heat to all points, down left end, under oven and up into smoke pipe in right end of cook, making entire circuit of stove, distributing every unit of heat where it can be used to best advantage.

This flue system is more economical in use of fuel than any other.

Fire Box—Extra heavy, fitted with duplex grate.

Top—Stove is shipped when not otherwise specified, with six 8 in. holes, heavy short centers and key plates.

Ash Pan—Large and roomy.

Finish—Body of polished steel, all trimmings such as feed door, oven door frames and handles are polished.

Recommendation—Especially suitable for camps, boarding houses, small hotels, etc.

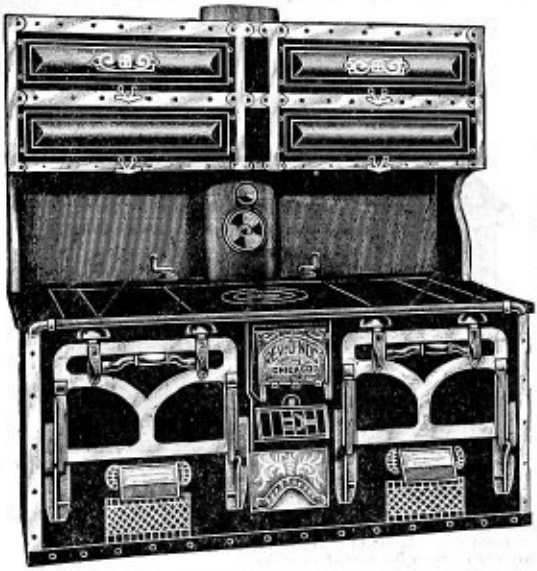
No. R6824—Six 8 in. cooking holes, oven 24x24x17 in., top 30½x43½ in., shipping w't 490 lbs.★ .....each **DBJJ** $70.00
Water front .....extra, each **EDJ** 9.00

If French Top (blank plates with one sectional cover reducing from 12½ in. to 5½) is desired, specify "French Top." (No additional charge for same.)

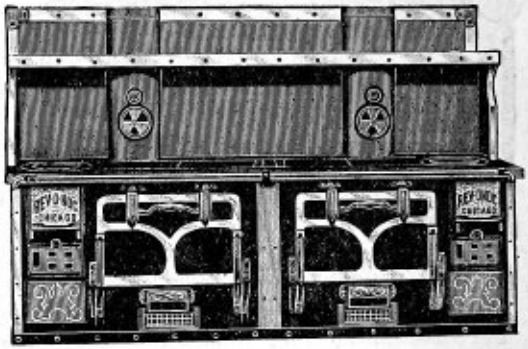
★*FOR FACTORY SHIPMENT ONLY, QUINCY, ILL.*

REVONOC STEEL PLATE FRENCH RANGES.

For Hotels, Restaurants, Institutions, Steamships, Clubs and Residences.



Nos. 18, 22 and 24.
Figure A—Double Oven with Double Closet.



Nos. 226 aid 230.
Figure B—Two Section, Two Fire with High Shelf.

Points—Double steel plate walls interlined with asbestos board. Patent removable oven bottoms, guaranteed not to warp. Balanced oven doors with non-breakable malleable iron frames and drop braces. Adjustable flue strips to regulate the draft. Fire boxes adaptable for soft coal, wood or natural gas. Extra heavy sectional tops. Double warming closet with patent turn doors. Nos. 226 and 230 have Au Gratin browning oven.

Bodies—Built of extra heavy steel plate and bound around the bottom with a 2x⅞ in. steel band. Corners reinforced with 1 in. angle iron. All joints closely riveted. Ends and bottom between flues and floor double thick with asbestos interlining from ¼ in. to ½ in. thick, and all strongly riveted together.

Ovens—Sides and top in one piece made from steel two gauges heavier than the outside steel, flanged and closely riveted all around. Oven bottoms separate removable plates of smooth, level steel ¼ in. thick, clamped and braced in position so as to be easily removed to give access to bottom flues or to permit straightening and replacing in case of accident. The oven doors are drop pattern, counterbalanced with weights hung on malleable iron shanks inside the range body. They have solid malleable iron frames, handles, braces and catches. They are attached with heavy cast hinge brackets and are so strong as to be proof against breakage from accident or careless use.

Flues—Asbestos lined as before described, deep and broad so as to give good volume of draft, well riveted, reinforced and protected at joints and provided with suitable dampers. In the flue beneath the oven is a slide or adjustable flue strip which regulates the draft for different fuels and chimneys. In connection with fire box they heat the ovens on five sides.

Fire Boxes—Regularly fitted for soft coal with sectional extra heavy tile linings and plain flat dumping bar grates. They have wide drop feed door at front end, and can be fitted up with special grates and linings for wood fuel exclusively when so desired. Ash pans of heavy steel of ample capacity with nickeled cast front.

Tops—Made of gray cast iron in sections. Main rim jointed at corners, bolted and cemented to flange on steel body. Cooking top made with lids or solid with extra heavy sections above fire. American top has two lids and loose short center in each 12½ in. panel, and can be combined with solid or French top having large hole with reducing rings and lid over fire.

Finish—Outside steel parts black japanned. Top plates blackened and polished, oven door frames and attachments, name plates, framework of shelf or closet and front corner strips polished and nickeled. A polished steel guard rail or towel bar is attached to front edge of top rim with substantial nickel plated brackets.

No. 18—Top, American with 8 holes, or French Pattern, size oven 18x26x15 in., top 60x36 in., shipping w't 1200 lbs., each★ ..... **AJEGJ** $176.20

No. 22—Top, American with 8 holes, or French Pattern, size oven 22x26x15 in., top 68x36 in., shipping w't 1350 lbs., each★ ..... **AAFFE** 194.40

No. 24—Top, American with 10 holes, or French Pattern, size oven 24x26x15 in., top 72x36 in., shipping w't 1500 lbs., each★ ..... **ACABJ** 218.70

No. 226—Top, American with 12 lids, or French Pattern, size oven 26x26x15 in., top 96x36 in., shipping w't 2000 lbs., each★ ..... **AFJDJ** 267.30

No. 230—Top, American with 12 lids, or French Pattern, size oven 30x26x15 in., top 104x36 in., shipping w't 2100 lbs., each★ ..... **AFGFE** 279.40

Nos. 18, 22 and 24 can be furnished with U-shaped water backs at extra cost of $10.00. *Nos. 226 and 230 can be furnished with straight cast water fronts at an extra cost of* $10.00.

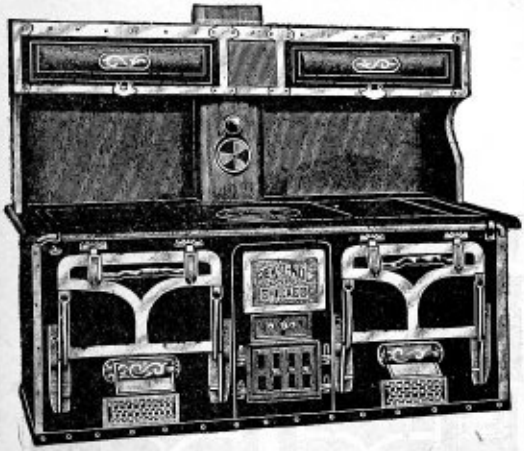
Above illustrations show French top. In ordering, always state what style top is desired. American top comes with either 8 in., 9 in. or 10 in. lids. Be sure to specify size wanted.

AS MANY SECTIONS OF NOS. 226 AND 230 AS DESIRED MAY BE ADDED. DIVIDE PRICES BY 2 TO GET PRICE OF ONE SECTION.

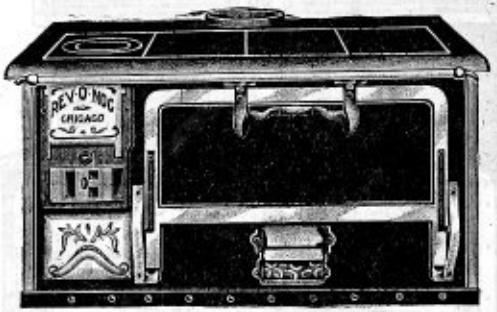
★*FOR FACTORY SHIPMENT ONLY, NORTHERN OHIO.*

REVONOC STEEL PLATE FRENCH RANGES.

For Hotels, Restaurants, Institutions, Steamships, Clubs and Residences.



Nos. 132, 133 and 134.
Figure C—Double Oven with Single Closet.



Nos 3024 and 3626.
Figure D—Plantation Style.

Points—Double steel plate walls interlined with asbestos. Patent removable oven bottoms. Extra heavy sectional top plates. Tile lined fire boxes and grates for hard coal, coke or natural gas. Adjustable flue strips. Malleable iron oven door frames and drop braces. Balanced oven doors. Large warming closet with patent turn doors.

No. 132—Size oven 18x26x15 in., top 68x36 in., American 8 lid, or French, shipping w't 1350 lbs.★ .....each **AAAFJ** $186.10
No. 133—Size oven 22x26x15 in., top 72x36 in., American 10 lid, or French, shipping w't 1500 lbs.★ .....each **ABGEE** 212.62
No. 134—Size oven 24x26x15 in., top 78x36 in., American 10 lid, or French, shipping w't 1600 lbs.★ .....each **ADIIJ** 249.80
Above illustration shows French top. In ordering, always state what style top is desired. American top comes with either 8 in., 9 in. or 10 in. lids. Be sure to specify size wanted.

Bodies—Built of extra heavy steel plate and bound around the bottom with a 2x⅞ in. steel band. Corners reinforced with 1 in. angle iron. All joints closely riveted. Ends and bottom between flues and floor double thick with asbestos interlining from ¼ in. to ½ in. thick, and all strongly riveted together.

Ovens—Sides and top in one piece made from steel two gauges heavier than the outside steel, flanged and closely riveted all around. Oven bottoms separate removable plates of smooth, level steel ¼ in. thick, clamped and braced in position so as to be easily removed to give access to bottom flues or to permit straightening and replacing in case of accident. The oven doors are drop pattern, counterbalanced with weights hung on malleable iron shanks inside the range body. They have solid malleable iron frames, handles, braces and catches. They are attached with heavy cast hinge brackets and are so strong as to be proof against breakage from accident or careless use.

Flues—Asbestos lined as before described, deep and broad so as to give good volume of draft, well riveted, reinforced and protected at joints and provided with suitable dampers. In the flue beneath the oven is a slide or adjustable flue strip which regulates the draft for different fuels and chimneys. In connection with fire box they heat the ovens on five sides.

Fire Boxes—Fitted for hard coal or coke, lined all around with heavy tile, four pieces forming the four sides, and fitted with either flat dumping or three bar triangular shaking grates as preferred. The triangular grates draw out through the front. Double slides at the grate level admit poker or slice bar to clear the fire of ashes.

Tops—Made of gray cast iron in sections. Main rim jointed at corners, bolted and cemented to flange on steel body. Cooking top made with lids or solid with extra heavy sections above fire. American top has two lids and loose short center in each 12½ in. panel, and can be combined with solid or French top having large hole with reducing rings and lid over fire.

Finish—Outside steel parts black japanned. Top plates blackened and polished, oven door frames and attachments, name plates, framework of shelf or closet and front corner strips polished and nickeled. A polished steel guard rail or towel bar is attached to front edge of top rim with substantial nickel plated brackets.

PLANTATION STYLE.

Points—Extra heavy steel, asbestos interlined bodies. Heavy cast top plates. Coal or wood fire boxes. Patent non-warping removable oven bottoms. Balanced oven doors with malleable iron frames and drop braces. Double latch malleable iron oven door handles. Adjustable flue slides. Case asbestos flue bottoms. Extra large ovens.

No. 3024—Four foot, size oven 30x24x15 in., top 36x50 in., 6 lids, 8, 9 or 10 in., shipping w't 800 lbs.,★....each **JFHDJ** $114.20
No. 3626—Five foot, size oven 36x26x15 in., top 36x60 in., 8 lids, 8, 9 or 10 in., shipping w't 1100 lbs.,★....each **JHHEE** 157.60

These are extra large, single oven ranges, suitable for camps, restaurants and hotels. The best grades of material are used in their construction and the weight is such as to insure durability. The construction is in fact as heavy and of as high quality as the large hotel ranges on the other side of this page. The grates, sectional linings and top plates are all heavy cast iron, and the steel walls are double thick with asbestos interlining where directly exposed to the fire.

The oven sides and top are of one piece and the bottom a separate plate of heavy smooth steel. This patent removable oven bottom is guaranteed against warping. The loose top plates which are bridged through the middle may be had with two lids each or solid French pattern.

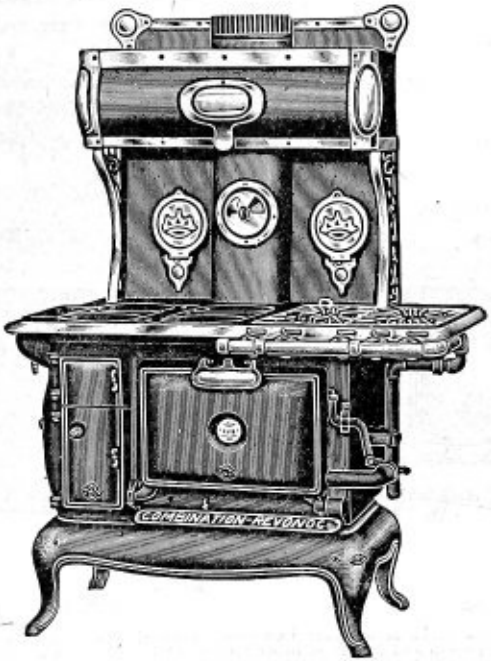
Where no preference is stated, we furnish tops with full number of lids.

★*FOR FACTORY SHIPMENT ONLY, NORTHERN OHIO.*

REVONOC COMBINATION CAST RANGE.

FOR GAS, COAL, COKE OR WOOD.

NOT INTENDED TO BURN NATURAL GAS.



One of the greatest household conveniences of the present day is a combination range, and in our REVONOC we have a high grade range that can be changed to either gas or coal in one second. The castings are smooth and well fitted, and this is the most compact combination range on the market—only takes 42 inches of floor space.

The oven bakes with either gas, coal or wood. Heats the kitchen in winter and may be regulated to any degree of heat required in the summer. The oven flues for coal are the regular style. Extra oven flues distribute the heat evenly when using gas.

The bottom burners are outside of oven, so that no gas fumes can enter oven. It is necessary to open small flue door to light oven burners, insuring absolute safety.

The REVONOC Combination is so easy to operate that working parts and operation of range can be learned in a minute or two.

Four eight inch lids, full size gas top, with four removable one piece star burners and one simmering burner. Furnished with large removable drip pan under top burners. White porcelain handles on gas valves.

Range is built with high base and smooth castings free from curves and dust-collecting ornamentation. Sanitary and easy to keep clean.

Fire box is well proportioned and linings provided with ample ventilation to prevent burning out. Duplex grates for wood or coal.

Every REVONOC Combination Range is connected up and tested before shipping. When connecting range see that pipes and burners are kept perfectly straight. Keep damper up to bake with gas and put same down when operating with coal.

Nickel trimmings are high grade with beautiful lustre. Tea shelves, oven door handle, name plate, top nickel bands.

With Tea Shelves and Back Guard.

No. C8-18 REVONOC—Size oven 18x18x12 in., size top 28x45 in., four 8 in. holes, four star burners, w't each 425 lbs., each★ ..... DJHJ $68.00

No. 9—Steel high closet, extra★ ..... each JFJJ 10.00

Waterfront, extra★ ..... each BGJ 4.50

★*FOR SHIPMENT FROM FACTORY WAREHOUSE IN CHICAGO.*

CRYSTAL REVONOC CAST RANGE.

FOR COAL OR WOOD.



With Back Guard.



With High Closet and Reservoir.

The Crystal REVONOC is a new plain design cast iron range, sanitary and easy to keep clean. The castings are made of the best grade of iron, smooth and free from imperfections. All parts are accurately fitted, in fact these ranges will compare favorably with any cast range on the market regardless of price.

The oven is square and high with heavy wire oven rack. Oven top is cemented. Sheet flue construction is used which insures quick and even baking. The damper is easy to operate and is protected from fire so it cannot burn out.

Heavy reinforced covers and centers are used. Top is made in sections of uniform thickness to allow for expansion and contraction.

Pouch feed is large so that fire can be fed evenly without disturbing cooking over fire box.

Fire box is well proportioned, so as to give large amount of heat from a small amount of fuel. Duplex grates are used, reversible for wood.

Fire box is made in sections, which are hung by hooks on top oven plate. No lining rests to warp or burn out.

Ash pit is large and deep, allowing plenty of air to circulate between ash pan and bottom grate, preventing grates from burning out.

Nickel Trimmings are free from carving and easily removed. Only the very best grade of nickel used on these ranges.

Crystal REVONOC with End Shelf, Low Back Guard and Tea Shelves without Reservoir and High Closet.

	No. of Holes.	Size of Oven.	Size of Top.	Shipping W't.	Each.	
No. C818	6—8 in.	18x18x12 in.	28x41 in.	360 lbs.★	BFDJ	$44.00
No. C918	4—9 in. and 2—8 in.	18x18x12 in.	28x41 in.	360 lbs.★	BFDJ	44.00
No. C820	6—8 in.	20x19x12 in.	28x43 in.	380 lbs.★	BHHJ	48.00
No. C920	4—9 in. and 2—8 in.	20x19x12 in.	28x43 in.	380 lbs.★	BHHJ	48.00

Crystal REVONOC with Low Back Guard and Tea Shelves and with Reservoir.

	No. of Holes.	Size of Oven.	Size of Top.	Shipping W't.	Each.	
No. C818R	6—8 in.	18x18x12 in.	28x49 in.	500 lbs.★	CBDJ	$54.00
No. C918R	4—9 in. and 2—8 in.	18x18x12 in.	28x49 in.	500 lbs.★	CBDJ	54.00
No. C820R	6—8 in.	20x19x12 in.	28x51 in.	520 lbs.★	CDHJ	58.00
No. C920R	4—9 in. and 2—8 in.	20x19x12 in.	28x51 in.	520 lbs.★	CDHJ	58.00

No. 6—Steel High Closet for above, w't 50 lbs., extra★	each	JFJJ	10.00
No. 1—High Shelf, cast iron, for above, w't 30 lbs., extra★	each	CFJ	6.00
No. 2—Three burner gas attachment for above, w't 50 lbs., extra★	each	EGJ	9.50
No. 20—Gas Oven for above, w't 150 lbs., extra★	each	AGDJ	29.00

This oven measures 14x21x10 in., has three burner top and broiler. Will fit any size of this range.

Extra for nickelling oven door, fire box door, ash pit door, front base strip and front legs★	CJJ	$5.00
Extra for hearth★	AHJ	3.00
Waterfronts for above range, extra★	BDJ	4.00
Oven Door Thermometer, extra★	JIJ	1.50

★FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.

OAKWOOD CAST RANGES.

FOR COAL OR WOOD.



With High Closet.



With Reservoir and High Closet.

Material—The best grade and mixture used, all made by expert workmen, insuring smooth castings of great strength.

Oven—Perfectly square, ventilated, with bottom clean-out feature.

Top—Of generous proportions—see below—fitted with Boston Rim, heavy covers, reinforced short centers, thoroughly braced.

Pouch Feed—Large swing feed, with check slide.

Grate—Duplex, of the open pattern to burn coal. This grate will burn wood, but we suggest a loose wood grate be ordered when wood is to be used freely.

Fire Box—Built with walls straight up and down, preventing live coal banking up against them. This box has been built with economy always in view.

Dampers—The direct draft handle is directly in front over the oven door, preventing bending over hot stove to regulate damper.

Nickel—"White, beautiful and bright," lasts a long time. This is of the plain, smooth lift off type, no bolts used, and as follows, nickel top rail, nickel edge on hearth, on end shelf and on oven shelf, nickel over door panel, tea pot stands and handles.

Selling Features—This range is the same as the Clifton, except it has a solid hearth, built heavier and has a long oven shelf. The Oakwood is positively the greatest value ever offered the trade.

Without Reservoir, with Low Back Guard.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. U816	6—8 in.	15x16x10 in.	38½x26 in.	330 lbs.	..... **AIHJ**	$33.00
No. U818	6—8 in.	17x18x11 in.	41½x28 in.	380 lbs.	..... **BBBJ**	37.00

With Reservoir and Low Back Guard.

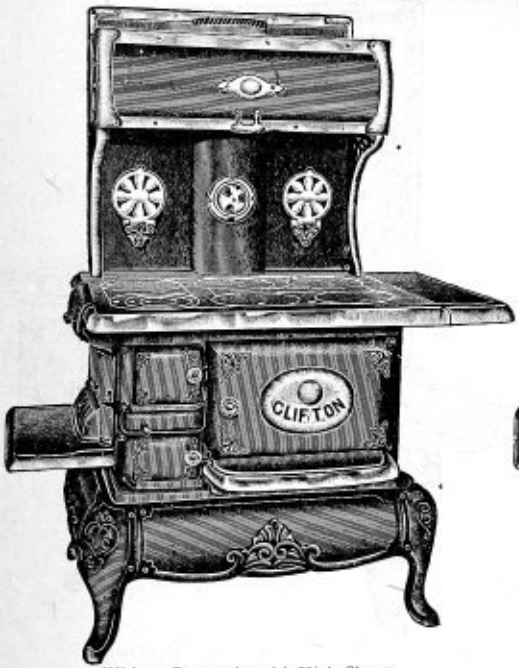
No. U818-R	6—8 in.	17x18x11 in.	41½x28 in.	420 lbs.	..... **BEBJ**	42.00

No. U16—Cast High Shelf, w't 30 lbs. ..... extra **DBJ** 7.00
No. P18—Steel High Closet, w't 40 lbs. ..... extra **EDJ** 9.00
Water Front ..... **BDJ** 4.00
Three Burner Gas Attachment, for No. U818 ..... extra **EDJ** 9.00

RANGES WILL BE SHIPPED WITH LOW BACK GUARD, AND TEA POT STANDS UNLESS OTHERWISE ORDERED. ORDER BY NAME AND NUMBER AND ALWAYS SPECIFY "HIGH SHELF" OR HIGH CLOSET (IF WANTED) AND ADD TO PRICE.

CLIFTON CAST RANGES.

FOR COAL OR WOOD.



Without Reservoir, with High Closet.



With Reservoir and High Closet.

Material—Made of new high-grade gray iron, perfectly smooth castings, comparing favorably with any.

Oven—Is perfectly square, well ventilated.

Top—Is large—see dimensions below—fitted with heavy Boston rim covers, heavy centers, reinforced and has one reducing cover.

Pouch Feed—Has large swing door, permitting of easy feeding of fuel, fitted with sliding check draft.

Grate—Is of duplex pattern, fitted for burning coal. While this grate will burn wood, still owing to its open construction it will not be economical.

Fire Box—Is built to create economy in fuel consumption. Fire back is in three pieces and heavy, perfectly ventilated.

Dampers—The direct draft damper handle is directly in front over the oven door, saving necessity of extending over the hot stove to the pipe collar to regulate damper. This is a good feature.

Nickel—"White, beautiful and bright," lasts a long time. This plating is very heavy all nickel, is of the smooth lift-off type and as follows—nickel band, nickel edge on hearth and end shelf, oven panel and shelf, handles, and tea pot stands.

Selling Features—In the "Clifton" we offer a high grade cast range at ridiculously low prices. Never before has been offered such value. The demand for cast ranges is increasing every day. It will pay the progressive merchant to handle the "Clifton." It is a repeater. Our price is 20% to 35% lower than stoves of equal merit, offering the merchant an excellent opportunity to get all the cast range business in his town, and make some money.

Clifton, Without Reservoir, with Low Back Guard Only.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. P714-X	6—7 in.	14x15x 9 in.	37 x24 in.	260 lbs.	.....AECJ	$25.50
No. P716-X	6—7 in.	15x16x10 in.	38½x26 in.	300 lbs.	.....AFHJ	28.00
No. P816-X	6—8 in.	15x16x10 in.	38½x26 in.	315 lbs.	.....AHJJ	30.00
No. P818-X	6—8 in.	17x18x11 in.	41½x28 in.	360 lbs.	.....AIEJ	32.50

Clifton, with Reservoir, Low Low Back Guard Only.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. P818-XR	6—8 in.	17x18x11 in.	42x28 in.	400 lbs.	.....BEBJ	$42.00

No. P16—High Shelf, w't 30 lbs.	extra	CFJ	6.00
No. P18—Steel, high closet, w't 40 lbs.	extra	EDJ	9.00
Water Front	extra	BDJ	4.00
Three Burner Gas Attachment, for No. P818-X	extra	EDJ	9.00

Ranges will be shipped with low backguard and tea pot stands unless otherwise ordered. Order by name and number and specify "High Shelf" or "High Closet" (if wanted), and ADD to price. If this stove is wanted for wood, please specify "loose wood grate" and we shall be glad to include it at a very nominal charge. This wood grate can be thrown in on top of the present open duplex grate and makes a perfect wood stove.

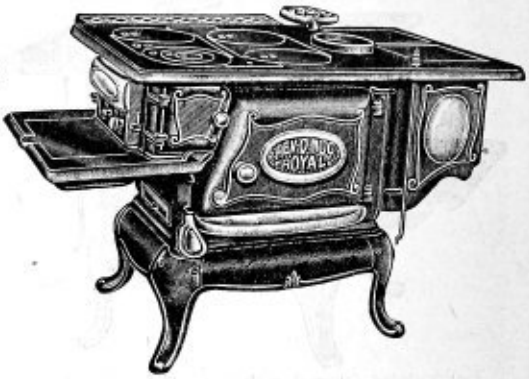
REVONOC ROYAL CAST COOK STOVES.

FOR WOOD.

Fire Back Guaranteed for Fifteen Years.



Square.



With Reservoir.

Description—Our REVONOC Royal cook stove is made of the best grade of gray pig iron, in one of the newest up-to-date stove plants in the country. Improved manufacturing methods and facilities have made it possible for us to sell this modern, well-fitted stove at extremely low prices. In appearance, workmanship, durability and baking qualities it is equal to any cook stove on the market.

Oven Door—Is fitted with a patent foot lever opener which is a great convenience.

Oven—Is large and furnished with a cast iron rack for baking.

Ash Pit Door—Is heavy and has a sliding draft register.

Covers and Centers—Will last a long time before warping or cracking.

Nickel Trimmings—Are high grade and consist of knobs, front door panel, foot lever, oven door shelf, tea pot stand, towel rod and reservoir panel—will not tarnish from heat. Every REVONOC Royal cook is equipped with tea pot stand and towel rod.

Reservoir—Is made of heavy cast iron, with white porcelain lined tank. Will not rust and keeps water clean.

The fire box is constructed without a false bottom or grate and the fire back is a heavy single casting, forming a part of the oven plate. Our REVONOC *Royal will heat quicker, uses less fuel and will give better results than a stove with a swinging grate, because the fire lays on the oven plate. No grates to burn out. WE GUARANTEE ALL PARTS OF THIS FIRE BOX FOR FIFTEEN YEARS. General description and appearance in other respects are the same as the* REVONOC *Queen.*

REVONOC Royal, Without Reservoir.

No.	Holes	Size Pipe	Size Oven	Height	Width Oven Rack	Length Wood	Actual W't	Each.
48-15	4—8 in.	6 in.	15x15 in.	27½ in.	12 in.	16 in.	185 lbs.†	JIIJ $16.50
48-17	4—8 in.	6 in.	17x17 in.	29 in.	13½ in.	18 in.	210 lbs.†	AADJ 19.00
48-19	4—8 in.	7 in.	19x19 in.	29½ in.	15½ in.	19 in.	245 lbs.†	ACHJ 23.00
48-21	4—8 in.	7 in.	21x21 in.	30½ in.	17 in.	20 in.	270 lbs.†	AEFJ 26.00

REVONOC Royal, with Cast Enamel Reservoir.

No.	Holes	Size Pipe	Size Oven	Height	Width Oven Rack	Length Wood	Actual W't	Each.
48-19-R	4—8 in.	7 in.	19x19 in.	29½ in.	15½ in.	19 in.	300 lbs.†	AHFJ $31.00
48-21-R	4—8 in.	7 in.	21x21 in.	30½ in.	17 in.	20 in.	330 lbs.†	AIHJ 33.00

†*SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.*

ORDER BY NAME AND NUMBER.

REVONOC QUEEN CAST COOK STOVES.

FOR COAL OR WOOD.

Fire Back Guaranteed For Five Years.



Full Nickeled Trimmed, with Base and End Shelves.



Full Nickel Trimmed, with Base Shelf and Reservoir.

Description—Our REVONOC Queen cook stove is made of the best grade of gray pig iron, in one of newest up-to-date stove plants in the country. Improved manufacturing methods and facilities have made it possible for us to sell this modern, well-fitted stove at extremely low prices. In appearance, workmanship, durability and baking qualities it is equal to any cook stove on the market.

Grate—Latest improved duplex grate for burning wood or coal.

Fire Box—Is wide and shallow and requires but little fuel.

Oven Door—Is fitted with a patent foot lever opener which is a great convenience.

Oven—Is large and furnished with a cast iron rack for baking.

Ash Pit Door—Is heavy and has a sliding draft register.

Covers and Centers—Will last a longtime before warping or cracking.

Pouch Feed—Permits feeding fire without disturbing cooking vessels over fire box.

Nickel Trimmings—Are high grade and consist of knobs, front door panel, foot lever, oven door shelf, tea pot stand, towel rod and reservoir panel—will not tarnish from heat. Every REVONOC Queen cook is equipped with tea pot stand and towel rod.

Reservoir—Is made of heavy cast iron, with white porcelain lined tank. Will not rust and keeps water clean.

Our REVONOC Queen is a modern, smooth, sanitary cook stove, without fuss and feathers, easy to keep clean and fully guaranteed. Mounted on a heavy cast iron base.

REVONOC Queen, Without Reservoir.

No.	Holes	Size Pipe	Size Oven	Top Including Shelf	Width Oven Rack	Height	Actual W't	Each
817	4—8 in.	6 in.	17x17 in.	22½x34 in.	14½ in.	30 in.	240 lbs.†	ABCJ $30.50
819	4—8 in.	7 in.	19x19 in.	24½x36 in.	16½ in.	31½ in.	270 lbs.†	AEJJ 25.00
821	4—8 in.	7 in.	21x21 in.	26½x38 in.	18½ in.	33 in.	290 lbs.†	AFHJ 28.00

REVONOC Queen with Cast Enamel Reservoir.

No.	Holes	Size Pipe	Size Oven	Top Including Shelf	Width Oven Rack	Height	Actual W't	Each
819-R	4—8 in.	7 in.	19x19 in.	24½x40 in.	16½ in.	31½ in.	320 lbs.†	AIHJ $33.00
821-R	4—8 in.	7 in.	21x21 in.	26½x42 in.	18½ in.	33 in.	360 lbs.†	BAFJ 36.00

ORDER BY NAME AND NUMBER.

†*SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.*

REVONOC COOK STOVES.

FOR WOOD OR COAL.



Plain with Flat Grate, without Reservoir.



Plain with Flat Grate, with Reservoir.

Description—This stove is made from the same material, by the same workmen as the REVONOC Family and Domestic, and to those desiring a high grade stove at a low price we recommend the above.

Tops—These cooks have large tops which however are not put onto narrow bodies, note depth of ovens. Beware of cook stoves with large tops and narrow bodies, the oven capacity has been so reduced, it is of no practical use. The Boston rim covers and centers are extremely heavy.

Ovens—All are large and deep, note particularly the sizes given above, and compare with the lower priced lines on the market.

Fire Boxes—Are all of good proportion, built to create great economy of fuel.

WELCOME REVONOC, without Reservoir Less Oven and End Shelves.

	No. of Holes.	Size of Oven.	Size of Top.	Approximate Shipping Weight.			
No. W7	4—7 in.	14x16 in.	28x20 in.	145 lbs.	each	J I J J	$15.00
No. W8	4—8 in.	16x18 in.	30x21½ in.	165 lbs.	each	A J G J	17.80

WELCOME REVONOC, without Reservoir, with Oven and End Shelves.

No. W70	4—7 in.	14x16 in.	31x20 in.	150 lbs.	each	J I J J	15.00
No. W80	4—8 in.	16x18 in.	33x21½ in.	170 lbs.	each	A J F J	17.70

WELCOME REVONOC, with Reservoir, with Oven Shelf.

No. W8R	4—8 in.	16x18 in.	39x21½ in.	220 lbs.	each	A F B J	27.00

ORDER BY NAME AND NUMBER.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

IDEAL EMPIRE COOK STOVES.

FOR COAL OR WOOD.





Without Reservoir.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. 4714	4—7 in.	14½x14½ in.	20½x28½ in.	180 lbs.†	.....JGIJ	$13.20
No. 4816	4—8 in.	16 x16 in.	22½x34¾ in.	230 lbs.†	.....AJJJ	16.70
No. 4818	4—8 in.	18 x18 in.	24½x36¼ in.	270 lbs.†	.....ABCJ	20.50

With Reservoir.

	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. 4818-R	4—8 in.	18 x18 in.	24½x40¾ in.	340 lbs.†	.....AFAJ	$28.50

TRIXIE COOK STOVES.

FOR WOOD ONLY.



Plain Without Reservoir.

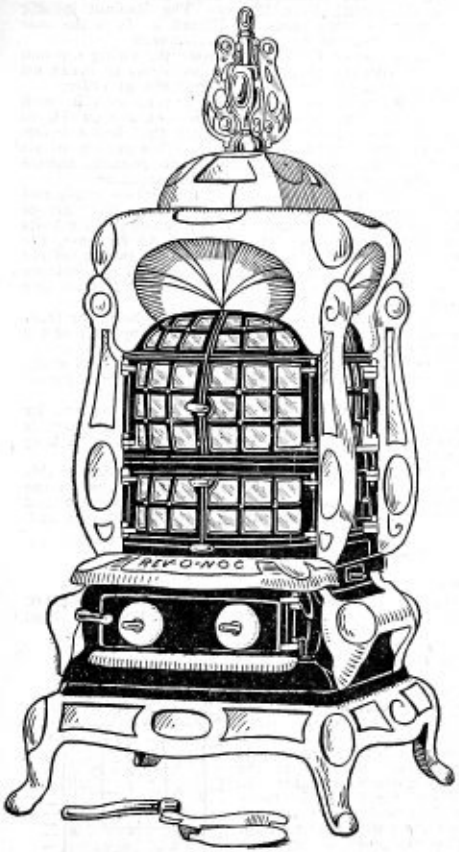
Description—Made of the best grade Southern gray iron. All fitted and mounted with extra care. Tops have heavy covers and centers, smooth, of good size. Fire boxes are deep and well proportioned, the front oven plate and fire back being one.

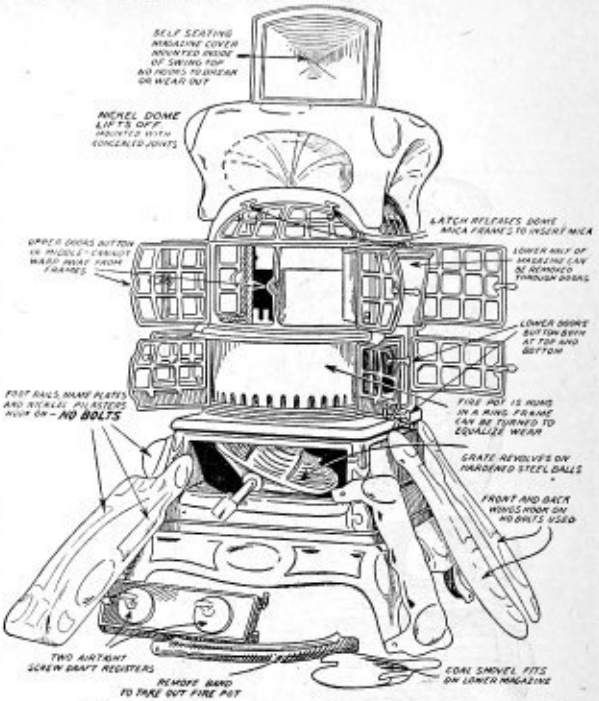
	No. of Holes.	Size of Oven.	Size of Top.	Approx. Shipping W't.		Each.
No. T4714	4—7 in.	14x11 in.	22½x17 in.	118 lbs †	..... EDJ	$8.00
No. T4816	4—8 in.	16x16 in.	24½x21½ in.	160 lbs.†	..... JGEJ	11.00

Shelves, for oven and end ..... extra CJ .50

†SHIPPED FROM STOCK OR F. O. B CENTRAL TENNESSEE FACTORY.

HIBBARD REVONOC HARD COAL BASE BURNERS.





This illustration represents the outside construction of the REVONOC Base Burner—All nickel plated trimmings mounted with concealed hooks, upper and lower doors fastened with buttons in such a way that they cannot warp away from the frames. Fire pot is hung in a ring frame and can be turned to equalize wear, the grate revolves on hardened steel balls, the magazine cover is self-seating, mounted inside of swing top without hooks to break or wear out. Examine carefully points in illustration featured by arrows.

The REVONOC base burner is the most beautiful, most economical, and most serviceable base burner yet produced. It is a new and original design with many distinctive features.

ON DIRECT SHIPMENTS FROM FACTORY NEAR ST. PAUL, MINN., WE MAKE A FREIGHT ALLOWANCE OF 16c PER CWT.

Material—It is built of the best grade of iron used for this purpose.

Fittings—None but experienced, high class men are allowed to do this work. The castings are free from flaws and perfectly fitted. A rigid inspection makes it impossible to ship one of these stoves unless mounted and fitted properly.

Flue System—This is the three-flue construction which many authorities claim is the best system yet devised. Completely surrounded by these three flues is a fourth flue in the bottom of the stove, that carries the cold air from the floor through the hottest part of the stove. This cold air flue is more than twice as large as the hot air flue ordinarily used in base burners. The gases and products of combustion are carried completely around the sides and the gas flues in the back of stove are exposed on three sides, adding materially to the direct radiating surface.

The entire base side of the stove is in direct contact with the combustion gases, adding about 30 per cent to the radiating surface, over any other base burner. See above diagram of flue construction.

Firepot—Extra heavy and deep. Can be conveniently removed from front doors. Hung in a ring frame and can be turned to equalize wear.

Grate—Combination duplex and shaking type, heavy and indestructible. Revolves on hardened steel balls.

Magazine—Has self-seating cover mounted inside of wing top. No hooks to break or wear out. Large capacity.

Doors—Upper doors button in middle, cannot warp away from frames. Lower doors button both at top and bottom.

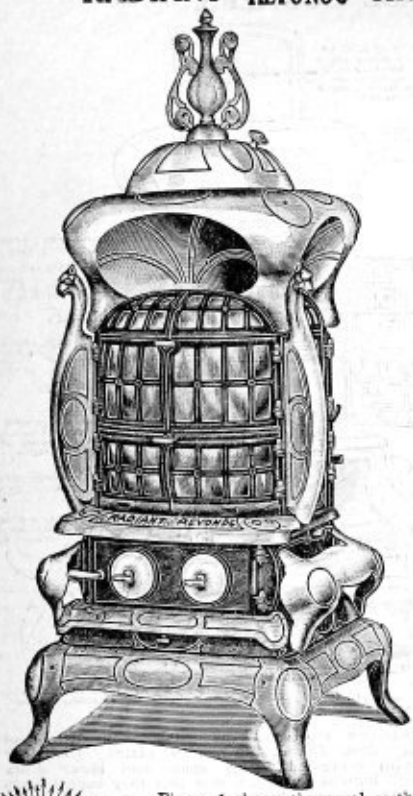
Mica Surface—Is extensive, radiating light and heat, frames removable, making it easy to put in mica.

Nickel—The very best grade only is used. All nickel parts are fastened on by means of hooks and are removable. The nickel dome is mounted with concealed joints and lifts off. No bolts used on nickel parts.

No. 317—Width of combustion chamber 17 in., diameter of firepot 15 in., height to base of urn 55 in., shipping w't 540 lbs. ..... each **CHJJ** $80.00

No. 318—Width of combustion chamber 18 in., diameter of firepot 16 in., height to base of urn 57 in., sipping w't 610 lbs. ..... each **EBHJ** 88.00

RADIANT REVONOC HARD COAL BASE BURNERS.



DESCRIPTION—This is a strictly up-to-date base burner, one of the most attractive on the market. In general appearance and design it is similar to our No. 317 REVONOC Base Burner. The Radiant REVONOC has a siphon flue base—See Figure 3. It is the best two-flue base burner ever manufactured.

The Magazine Cover rests inside the swing top and swings with the top, there are no hooks to break off and it is impossible for it to get out of order.

The Magazine of this heater is ventilated in such a way that the current of air rises on the outside of the magazine and carries the gas that forms inside the magazine down into the fire. This current of air being in the magazine, there is no possible chance for the coal to burn while in the magazine.

The Nickel Trimmings are of the highest grade and will compare with any on the market. They are of the lift-off type, and can be easily removed. No bolts are used. In setting the stove up on its base, the weight can be considerably reduced by taking off the trimmings. This is a big advantage and convenience when taking down a stove or removing it from one part of the house to another.

The Fire Pot is removable through the lower front doors without taking off the doors or any part of the stove.

The Grate rests on ball bearings, so that it is easily handled when full of coal. It is practically noiseless when shaking.

The Shaking and Dumping Grate are worked by means of a combination shaker and crank, which is unbreakable and fits into the socket in the shaking grate.

The Proportions of the Mica Front and side of this stove are the best and most practical of any on the market. Without question this is the neatest and most attractive medium-priced base burner to be had.

No.	Fire Pot, in.	W't, lbs.	Height, in.	Floor Space, in.	Each.
35	15	450	67	26x26	DBFJ★ $71.00
36	16	500	69	28x28	DFHJ★ 78.00

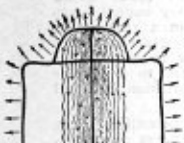


Figure 1.
The Old Way.

Figure 1 shows the usual method of making the bottom of a base burner. In this the heat stays in the center of the stove and the base has very little radiating power. There is no hot air circulating flue in this construction, and the stove is what is commonly known as a poor floor heater.

The comparative raidating powers are shown by the arrows around the edges.

By observing this diagram you can see why it is that your old stove does not throw the heat around the base the way it should. In Figure 2 is shown the principle of the new horseshoe flue of the "Radiant REVONOC."

The Horseshoe Flue.

Figure 2 shows the base of the new "Radiant." It is the best two-flue base burner that has ever been put on the market. In this stove the center of the base is raised, thus forcing the heat to the outside of base, making the base of the stove a very powerful radiator. In the "Radiant" cold air is taken from the floor and passes through a ventiduct the entire length of the stove. This ventiduct, as shown in Figure 4, is completely surrounded by the hot gas flues and the fire chamber.

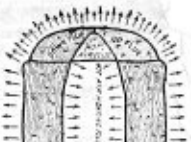


Figure 2.

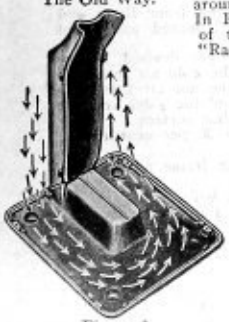


Figure 3.

Figure 3 shows the raised bottom and hot air ventiduct in the "Radiant REVONOC." This ventiduct takes the air through the hottest part of the stove and is completely surrounded by the smoke flue and the fire wall, separating it from the fire box. The raised bottom throws the heat in the bottom flues to the outside of the base.

Figure 4 is a section through the middle of the new "Radiant," and shows very clearly the large hot air ventiduct which takes cold air from the floor and passes through the hottest part of the stove, thus heating all parts of the room equally well, at the same time the heat acts as a germicide and continually purifies the air of the room, giving a continuous circulation and warming all parts of the room equally well.

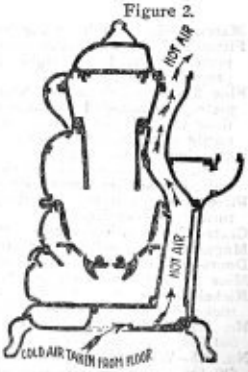


Figure 4.

SHIPPED FROM FACTORY NEAR ST. PAUL, MINN., WITH A 16c PER CWT. FREIGHT ALLOWANCE. ORDER BY NAME AND NUMBER.



CHARM REVONOC HARD COAL BASE BURNER.

Designed for a low price stove, containing many features found in higher priced heaters. The nickel trimmings are very smooth, many of them self-mounting. This heater is built with a large ash pit and large base flues, making it a splendid heater. It will nicely heat three or four rooms in zero weather.

It is fitted with duplex grate and shaking ring, also double heater attachment. The fire pot can be easily removed by taking off front strip. All parts are well fitted and made of first class material. A very attractive heater at a low price.

No.	Fire pot inside	W't	Height		Each
132	13 in.	310 lbs.	58 in.★	BBGJ	$45.60
142	14 in.	360 lbs.	61 in.★	BEEE	51.60

★*For shipment from factory near St. Paul.*



HEATING STOVES.

GREAT WESTERN OAK.

For any fuel. An oak stove and hot blast combined of the new and modern type, being heavy, tightly fitted with heavy nickel plated base, top, colonial side pillar wings, screw drafts, foot rail, top rim, large feed door of which the upper part is a nickel reflector and the lower a large swelled out mica frame. Has hot blast ring encircling at top of fire pot. A very attractive stove as well as being economical in fuel and a powerful heater.

Magazine can be furnished for all sizes.

Rings for burning natural gas can be furnished.

No.	Diam. of body	W't	Height		Each
G140	14 in.	125 lbs.	4 ft. 3 in.	ACEJ	$22.50
G160	16 in.	150 lbs.	4 ft. 5 in.	AEIJ	26.50
G180	18 in.	175 lbs.	4 ft. 8 in.	AHCJ	30.50
G200	20 in.	220 lbs.	4 ft. 11 in.	BJGJ	34.50
G180½—1½ sheets high	18 in.	185 lbs.	5 ft. 5 in.	BJGJ	34.50
G200½—1½ sheets high	20 in.	230 lbs.	5 ft. 9 in.	BCAJ	38.50

Magazines	AEJ	2.50
G140—Rings for burning natural gas	AEJ	2.50
G160—Rings for burning natural gas	AHJ	3.00
G180—Rings for burning natural gas	AHJ	3.00
G200—Rings for burning natural gas	BDJ	4.00

SHIPPED FROM STOCK OR FACTORY NEAR ST. PAUL, MINN.

HEATING STOVES.



REVONOC OAK.

The Latest and Neatest Design of any Oak Stove, Made of Best Materials by Skilled Workmen, Castings are Made by the Latest and Most Approved Methods, Ensuring Uniformity in Pattern, Weight and Fitting. Provided with Square Ash Pit and Large Ash Pan. Grate is Heavy Draw Center Style, the Outside Ring Shaking Easily. Nickel Trimmings are Best Grade, Smooth and Sanitary as Follows—Nickel Urn, Swing Top, Welded Ring, Wings, Name Plate, Foot Rails, Screw Draft, Registers and Handles.

Nos. REVONOC	112	114	116	118	120	120½
Diameter of body, in. ..	12	14	16	18	20	20
Height to top of urn, in..	47	49	51	54	58	68
Shipping w't, lbs.	100	120	150	180	210	225
Each	$13.50	16.50	20.00	23.50	27.50★	31.50★
	JHAJ	JIIJ	ABJJ	ADAJ	AFEJ	AHIJ

Can be furnished with gas ring complete with air mixer for burning natural gas, for factory shipment only, extra★ ..... AHJ $3.00

No. 120½ REVONOC has extra ½ section drum, otherwise same as No. 120 REVONOC.

MARVEL.

This Oak is Similar to the REVONOC Except that It Does Not Have the Nickel Side Wings or Leg Base and Urn Rest Is Not Nickel Plated.

Nos.	M122	M144	M166	M188
Diam. of body, in.	12	14	16	18
Height to top of urn, in. ..	47	49	51	54
Shipping w't, lbs.	85	100	135	160
Each	$11.25	13.50	15.50	20.00
	JFIJ	JHAJ	JICJ	ABJJ

The Marvel can be furnished with gas ring complete with air mixer for burning natural gas, for factory shipment only★ ..... extra AHJ $3.00

On shipment from factory near St. Paul, Minn., we make freight allowance of 16 cents per cwt.



★FOR FACTORY SHIPMENT ONLY.

OAK STOVES.



Nos. 9 to 20½.

XMOR REVONOC OAK.

Description—The pig iron used in the construction of this Oak is of the best grade, the steel drum of heavy gauge and will not peel off. The stove is mounted with great care and all fittings are perfect. Out of the thousands of this stove sold by us in past three years we have never had a complaint.

Fire Pot—Is extra heavy, corrugated, and the best fire pot ever put in a low priced oak.

The Grate—Is draw center pattern, heavy and durable.

Air Tight Features—The steel drum is sweged into a cup in top of fire pot, the outer cast ring on which foot rail hangs is brought over this connection and drawn tight by bolts on the outside. A cast protection rim circles entire pot, protecting steel where it joins fire pot, a feature not found on similar low priced oaks. All doors have lever locks, enabling doors to be brought perfectly tight, a decided improvement on ordinary latches. Ash pit is made in two pieces, the bottom being of cast iron not steel, as is so often used. Grate is shaken through small door on side of ash pit, doing away with opening large ash pit door allowing dust to escape.

Finish—Nickel foot and top rail—steel never break—panels, registers, urn, etc.

A Fact—We have never lost a customer on the Xmor REVONOC Oak, it has given universal satisfaction and is positively THE BEST OAK at the price on the market. There may be cheaper Oaks, but price does not always indicate that it will give satisfaction.

	Size Fire Pot.	Height to Base Urn.	Shipping W't		Each.
No. 10	10 in.	34½ in.	60 lbs.	EBH	$8.80
No. 12	12 in.	36½ in.	76 lbs.	JFFJ	11.00
No. 14	14 in.	39 in.	104 lbs.	JGIJ	13.20
No. 16	16 in.	42 in.	125 lbs.	JICJ	15.50
No. 18	18 in.	45 in.	143 lbs.	AAIJ	19.80
No. 20	20 in.	54 in.	190 lbs.	AEAJ	25.20
No. 20½	20½ in.	66 in.	215 lbs.	AGJJ	28.30

No. 20½ is fitted with extra steel half section.

"PET" OAK STOVES.

FOR COAL OR WOOD.

Description—To meet the demand for a low price competitive Oak, we have decided to add the "Pet." We call your attention to the size and weight of this Oak, the full nickel rail, the cast bottom, not usually found in an Oak at this price.

Material—Made of good gray iron, castings smooth, the body being made of polished blued steel securely bolted to the castings.

Ash Pit—Has large door with two hinges—one is usually found on this type of stove—fitted with screw registers.

Grate—Is flat, of dump variety.

Fire Pot—Heavy, smooth, of good material and better than ordinarily used on the stove of this character.

Nickel—As follows—Steel never-break top ring, foot rail, urn and screw registers.

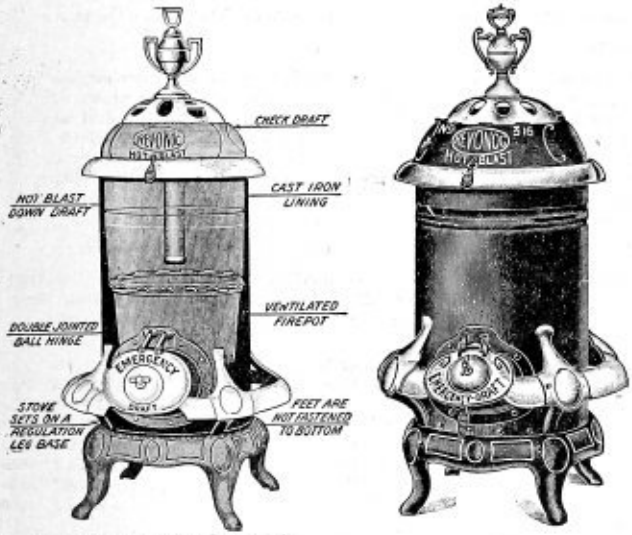
	Size Body.	Height Including Urn.	Weight.		Each.
No. D211	9½ in.	38 in.	50 lbs.†	CIJ	$6.50
No. D213	11½ in.	41 in.	65 lbs.†	EAJ	8.50
No. D215	13½ in.	44 in.	85 lbs.†	JFCJ	10.50
No. D217	15½ in.	49 in.	105 lbs.†	JGEJ	12.50

†*SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.*



HIBBARD REVONOC HOT BLAST STOVES.

FOR HARD COAL, SOFT COAL, LIGNITE OR WOOD.



Cut Showing Interior Construction

No.		Diam. of Body, in.	Height to Bottom of Feed Door, in.	W't, lbs.	Each.	
1312	HIBBARD REVONOC	12	30½	115	J G H J	$13.00
1315	HIBBARD REVONOC	15	34	145	J I H E	16.50
1316	HIBBARD REVONOC	16	35½	165	A A G J	19.50
1318	HIBBARD REVONOC	18	37	185	A B J J	22.00
1320	HIBBARD REVONOC	20	40	265	B J J J	33.50★

Description—The HIBBARD REVONOC Hot Blast is a very attractive, modern heater, made by skilled workmen from first class material.

The body is made of 20 gauge Wood's refined charcoal iron, patent leveled and resquared. This material is freer of deterioration than any other cold rolled sheet and will not become pitted nor turn white with long usage. The castings are smooth and well fitted.

The nickel trimmings are attractive and of the highest grade.

The **Big Feature** of the HIBBARD REVONOC is the base construction. The body sets on a substantial cast iron base, which is a decided improvement over the usual flimsy arrangement in which the feet slip into steel lugs bolted to the bottom of the stove.

Bottoms are made of 14 gauge open hearth steel, flanged and pressed into the drum of stove to which they are welded. This is the tightest, strongest and best construction yet devised.

These stoves have full cast iron linings, as shown in cut, which prevents the steel jacket from getting red hot and burning out.

The fire chamber is well proportioned and ventilated so it will not burn out. Fitted with cone center shaking grate.

The emergency door works on a double jointed ball hinge, making a perfectly tight fit.

A poker and shovel are furnished with every HIBBARD REVONOC Hot Blast.

HIBBARD AIR TIGHT STOVES.



Material—The Body is made of a high grade of polished steel, protected by heavy steel linings, giving an immense radiating surface.

Air Tight Features—The Steel Body is double seamed to the sides "like a wash boiler," making an air tight joint without the aid of putty or cement, which falls out when hard and dry and leaves openings.



Fig. 3

The Ash Pit Door—Is of the gravity style.—Fig. 3— the surfaces being ground a glass-like finish, making air tight joint. No turnbuckles are used, as when a turn buckle is tightened, it springs the door away from the door frame at the hinge, allowing air to enter, preventing regulating of fire properly.

Dome—Is of cast iron, of pleasing design and has a large lift feed door, which will take a large stick of wood.

Finish—Nickel "White, Beautiful and Bright," and as follows—Rails, top rim—steel never-break,—swing top, ash pit door, spun handle and urn.

Remarks—We suggest when there is wood in a locality and dealer is pushing our "Hibbard" hot blast, he handle this desirable wood air tight in connection herewith, the air tight features of both being identical. This is the best air tight on the market and will be a trade winner.

	Size Body.	Extreme Height to Base of Urn.	Shipping W't		Each.
No. H180	14x18x13 in.	26 in.	68 lbs.	E G E	$9.60
No. H210	20x20x15 in.	32 in.	82 lbs.	J G E J	12.70
No. H250	24x24x16½ in.	36 in.	100 lbs.	J I J E	16.60
No. H280	24x27x17 in.	36 in.	118 lbs.	A J G J	18.30

★FOR FACTORY SHIPMENT ONLY.

WOOD AIR TIGHT HEATERS.

POPULAR.



Unlined, without Rails.

Nos.	018	021	025
Size body, in.	18x13x13	20x15x20	24x17x24
Ship. w't, lbs.	17	21	25
Each	$1.80	2.90	3.50
	J I J	A D E	A H E

Lined, without Rails.

Nos.	181	211	251
Size body, in.	18x13x13	20x15x20	24x17x24
Ship. w't, lbs.	20	24	30
Each	$2.20	3.30	3.90
	A A J	B J J	B C E
Nos.	**200**	**239**	**300**
Size body, in.	20x17x20	24x17x22	30x17x24
Ship. w't, lbs.	29	31	39
Each	$3.70	4.20	5.40
	A I J	B A E	B G J

Smooth steel body, double lined, 4 fancy stamped steel legs, bolted on, making a very rigid construction. Fancy top lid with nickeled urn, fancy stamped steel nozzle which locks on, avoiding dropping off. Pipe fits inside pipe collar, creosote droppings return to stove. RAILS EXTRA.

VOLCANO CAST BOX STOVE, FOR WOOD.



Nos.	X18	X22	X26
Height, in.	20½	22½	24½
Length wood, in.	17	21	25
W't, lbs.	62	82	104
Each	$4.60†	6.00†	7.60†
	B G E	C F J	D E E
Nos.	**X28**	**X32**	**X36**
Height, in.	27½	29	30½
Length wood, in.	27	31	35
W't, lbs.	123	152	185
Each	$9.00†	11.50†	14.00†
	E D J	J F I J	J H D J

All 18 in. air tight stoves take 5 in. pipe, balance 6 in.

POPULAR.



Smooth Steel Body, Lined, without Rails.

Nos.	201	241	301
Size body, in.	20x17x20	24x17x22	30x17x24
Ship. w't, lbs.	46	50	54
Each	$5.40	6.00	7.50
	B G J	B I E	C H E

Made of high grade material. Steel top, sides and bottom, double seamed together, making absolutely tight joints. Fitted with cast ash pit door. Cast legs are bolted to side of stove.

Note hot blast down draft. Tube heats air before throwing on to fire, creating perfect combustion and making a saving in fuel. An entirely satisfactory stove. RAILS EXTRA.

REVONOC PARLOR STEEL BOX



Cast Top and Bottom, Blued Steel Body, Steel Lined, Large Swing Top and Ash Pit Door, Nickel Name Plate and Screw Register.

Nos.	P118	P122
Height, in.	22	28
Length wood, in.	18	22
W't, lbs.	60	75
Each	$5.20†	6.60†
	C A J	C I E
Nos.	**P126**	**P128**
Height, in.	28	28
Length wood, in.	26	28
W't, lbs.	88	100
Each	$8.00†	10.00†
	D H J	J F J J

REVONOC PARLOR STEEL BOX STOVE, FOR WOOD.



Cast Top, Bottom and Front, Polished Blued Steel Body, Steel Lined, Double Swing Top Covers, Swing Fire Box Doors, Nickel Swing Top and Side Rails.

Nos.	P218	P222
Height, in.	33	37
Length wood, in.	18	22
W't, lbs.	70	90
Each	$8.00†	10.00†
	D H J	J F J J

Nos.	P226	P228
Height, in.	37	38
Length wood, in.	26	28
W't, lbs.	100	110
Each	$12.00†	14.00†
	J G B J	J H D J

FOOT RAILS.

For Wood Air Tight Heaters.

Nickel plated foot rails for Nos. 200, 201, 240, 241, 300, 301, per set ..... J I J $1.50

PACKED ONE IN A STRONG CRATE.

†SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.

CANNON HEATING STOVES.

DASH.



Description—Made of good grade of material. The castings are very smooth. The stove is well constructed, and of pleasing design.

The Fire Pot—Is heavy, firmly bolted to the base and top, of the globe type, radiating large quantity of heat.

The Feed Door—Is large, of the sliding type, operating smoothly all the time.

Drafts—Are of screw style, closing tight, enabling fire to be held a long time.

The Ash Pit—Is of ample size, built tight.

The Grate—Of draw center type, something not usually found in a stove of this type.

Nos.	D6	D7	D8	D9
Fire Pot, in.	8	9	10½	12
Grate, in.	6	7	8	9
Pipe, in.	5	5	5	5
Height, in.	22	24½	26	28
W't, lbs.	37	50	61	75
Each	$2.20†	4.50†	5.30†	6.50†
	AIJ	BGJ	CBJ	CIJ

HERMITAGE.



Description—Made of the same grade material, by the same expert workmen who make our [illegible] cook stoves, making this a high grade, medium weight cannon stove.

The Fire Pot—Is extra heavy, being bolted firmly to the ash pit and upper bowl.

The Feed Door—Is of the swing type, on a large stove a sliding door is liable to catch.

Drafts—Are located in the ash pit door, around base of fire pot and the check draft in feed door.

The Ash Pit—Is large and deep, fitted tight.

The Grate—Is draw center type, heavy and durable.

Nos.	H11	H12	H13
Fire Pot, in.	11	12	13
Grate, in.	6	7	8
Pipe, in.	5	6	7
Height, in.	36	38	41
W't, lbs.	97	114	138
Each	$8.20†	9.50†	12.50†
	DFJ	EGJ	JGBJ

Nos.	H15	H17	H20
Fire Pot, in.	15	17	20
Grate, in.	9	12	14
Pipe, in.	7	7	7
Height, in.	43	46	48
W't, lbs.	160	200	260
Each	$14.50†	18.00†	23.50†
	JHGJ	AJHJ	ADAJ

VOLCANO.



Descriptoin—A big, heavy cannon, especially designed for heating school houses, public buildings, R. R. depots, etc.

It is built of a fine grade of pig iron, no scrap being used, in fact the same material and workmen are used that build fine cooks and heaters.

The Fire Pot—Is built to stand the greatest amount of heat without burning out, the upper fire bowl being contracted, taking the place of a baffle plate, creating a large heating surface.

The Feed Door—Will always remain shut, as it is of the gravity type.

The Ash Pit—Is large, deep and tight.

The Grate—Is extra heavy, of draw center pattern.

This stove can be bolted to the floor, making an ideal stove for heating R. R. cars, depots and camps.

Without Drum.

Nos.	V018	V020	V022
Fire Pot, in.	18	20	22
Height, in.	44	48	52
W't, lbs.	200	260	445
Each	$25.50	30.50	48.50
	AECJ	AHCJ	BIAJ

With Sheet Steel Drum.

Nos.	V318	V320	V322
Fire Pot, in.	18	20	22
Height, in.	69	73	77
W't, lbs.	217	275	465
Each	$27.00	32.00	50.00
	AFBJ	AIBJ	CJJJ

†SHIPPED FROM STOCK OR F. O. B. CENTRAL TENNESSEE FACTORY.

LAUNDRY STOVES, RANGE BOILERS, ETC.

LAUNDRY STOVES.



For Coal or Wood.

No. 2—12½x19 in. top, 20 in. high, two 8 in. lids, w't 45 lbs., each **BDJ** $4.00

Square top—swing pouch feed door, fitted with shaking and dumping grate. Popular low price laundry.



For Coal or Wood.

No. 81—16x19 in. top, 22 in. high, two 8 in. lids, w't 55 lbs., each **CJJ** $5.00

Well made, substantial fire pot, heavy lids well fitted and low in price.



For Hard or Soft Coal.

No. 82—15½x19 in. top, 23 in. high, two 8 in. lids, w't 60 lbs., each **CDJ** $5.70

Fitted with device to hold 8 irons so they will stand close to the fire pot, securing the largest amount of heat.

LAUNDRY STOVES.



For Coal or Wood.

No. 89—18x22 in. top, 22 in. high, two 8 in. lids, w't 90 lbs., each **DHJ** $8.00

Made of good gray iron, fitted with special care, made extra heavy and durable for extra hard use. Large top surface.



For Coal or Wood.

No. 84—21x22 in. top, 22 in. high four 8 in. lids, w't 90 lbs., each **EDJ** $9.00

Made of good cast iron, free from flaws, swing ash pit door fitted with draft slide, flat dumping grate.

SALAMANDERS.



No. 1—Made of 20 gauge steel, diameter of body 15 in., height of body less handles 30 in., size of legs 1⅛x⅞ in., w't 26 lbs. .....each **AIJ** $3.20

Extra Grates, for same...each **DJ** .70

No. 2—Salamander hoods, with pipe collar to fit above .....each **ABJ** $2.00

TIGER LAUNDRY STOVES WITH WATER JACKET.



No. 80—20x13 in., top, 23 in. high, two 8 in. lids, w't 140 lbs., each .....**JIFJ** $16.00

This stove is built with a water jacket entirely around it, part of it with INTAKE and OUTLET TAPS at the back, ready to connect to 1 in. pipe. It is built of high grade iron, tested, and will heat the largest range boiler very satisfactorily. This is a far better arrangement than the coil, because no space is lost in the fire bowl. Note extra weight.

GALVANIZED RANGE BOILERS.



Made of the Best Material, Tested to 200 Lbs. Pressure, Fitted Complete with Fancy Stand, Tube and Galvanized Couplings.

Nos.	30	40
Capacity, gal.	30	40
Dimen., in.	12x60	14x60
W't, lbs.	78	96
Each	$13.50	17.00
	JIIJ	ABJJ

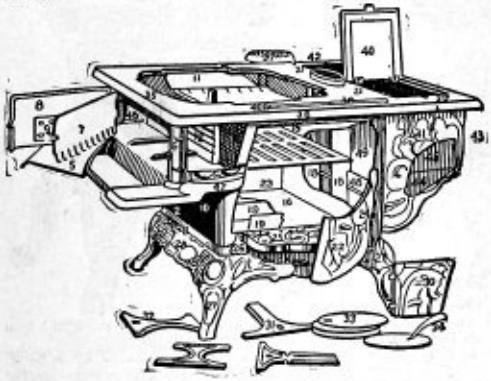
If wanted

Without stand, deduct.....**JGJ** $1.20
Without couplings, deduct **AAJ** 1.80
With brass couplings, add **JGJ** 1.20

Shipped complete unless otherwise specified.

SECTIONAL VIEWS OF STOVES.

In ordering stove repairs, always stand facing the pipe collar. Give number and name on stove—Do not use invoice.—Do not give numbers on castings—they indicate only moulder's private numbers. Order repairs by numbers on this cut, and also full name of casting, as per this list. If casting wanted cannot be found on cut, give full description of it, and if necessary, a drawing. Liberal descriptions will avoid errors.



COOK STOVE.

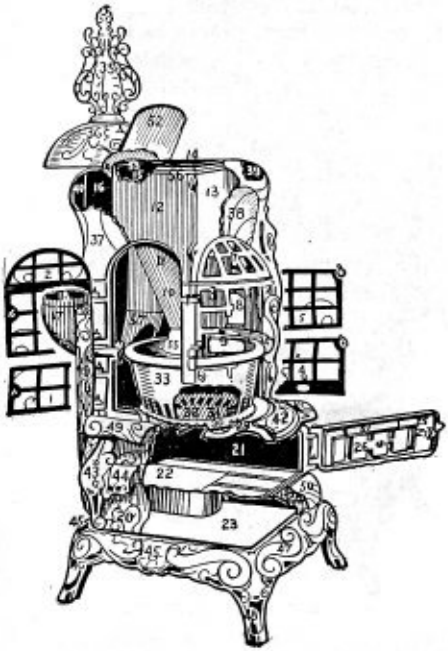
1—Main bottom.
2—Lower front.
3—Flue stop.
4—Main hearth.
5—Hearth slide.
6—Upper main front.
7—Front grate.
8—Front door.
8½—Front door name plate.*
9—Front door damper.
10—Main right side.
11—Main left side.
12—Fire back.
13—Center rest.
14—Oven top.
15—Oven back.
16—Oven bottom.
17—Oven rack.
18—Back flue-strip.
19—Bottom flue-strip.
20—Direct draft damper—comp'te.
21—Flue cover—2.
22—Right oven door.
23—Left oven door.
24—Oven door nickel panel—specify right or left.
25—Oven door shelf — specify right or left.
26—Oven door kicker.
27—Leg.
28—Short base strip.
29—Long base strip.
30—End feed door—specify righ or left.
31—Cut long center—specify top or bottom.
32—Short center.
33—Cover.
34—Cover lifter.
35—Front top.
36—Back or collar top.
37—Teapot stand.
38—Towel rod.
39—Reservoir top.
40—Reservoir cover — specify front or back.
41—Right reservoir casing.
42—Left reservoir casing.
43—Back reservoir casing.*
44—Bottom reservoir casing.
45—Reservoir tank.
46—Reservoir damper.
47—Right ash guard.
48—Left ash guard.
49—Main back, reservoir stove.
50—Main back, square stove.*



STEEL RANGE.

1—Pouch or left cast end.
2—Pouch feed door.
3—Left end draft door.
4—Left end draft door damper.
5—Front grate or lining.
6—Back end lining.
7—Front end lining.
8—Fire back, if in two or three pieces specifiy section wanted.
10—Short half duplex grate.
11—Long half of duplex grate.—If flat grate, so specify.
12—Grate cogs—2.
13—Grate frame.
14—Grate cog covers.
15—Grate rest—Right side.
16—Grate rest.—Left side.
17—Grate shaker.
18—Wood extension pocket.
19—Cap for water front openings*
20—Fire back rest.
21—Feed door and ash pit door frame.—Sometimes this frame is in 2 or 3 sections. Specify which one is desired.
22—Upper cog guard.
23—Feed door nickel panel.
24—Feed door.—If feed door swings, so specify.
25—Grate door.
26—Ash pit door.—Ash pan often is attached to this door, door only will be sent unless otherwise specified.
27—Ash pit door damper.
28—Ash pit door damper handle.
29—Ash pan.—On some ranges ash pit door is front of ash pan. Door will not be sent unless specified.
30—Left end or pouch top.
31—Back or collar top.
32—Right end top.—When range has key plate top.
33—Front top.
34—Left end or broiler key plate.
35—Broiler key Plate lift.
36—Center key plate.
36A—Right Key plate.
37—Right end—with regular stove top.
38—Short center.
39—Cover.
40—Large ring of reducing cover.
40A—Medium ring of reducing cover.
41—Small ring or disc of reducing cover.
42—Center rest.
43—Cover lifter.
44—Direct draft damper.
45—Direct draft damper handle.
45½—Direct draft damper rod.
46—Back flue—when in 2 sections specify upper or lower.
47—Front nickel band.
48—Oven door frame.—Unless specified "with steel lining" frame only sent.
49—Oven door panel.
50—Oven door handle complete.
51—Oven door thermometer.
52—Oven door catch.
53—Oven slide.
54—Flue strip—under oven.
55—Short base strip.
56—Long base strip.
57—Flue door frame.
58—Under half spring box.—when spiral spring is used.
59—Spring cover—specify right or left, flat or spiral spring.
60—Oven door spring—either flat or spiral.
61—Left high closet bracket.
62—Right high closet bracket.
63—Teapot stand.
64—Teapot stand hinge.
65—Lugs connecting steel body to cast top—specify location.
66—Pipe damper frame.
67—Pipe damper slide or round register.
68—High closet panel—If handle is separate, specify if handle only wanted.
69—Left closet corner.
70—Right closet corner.
71—Lower closet strip.
72—Upper closet strip—specify front right or left strip wanted on both above.
73—Right closet door hinge.
73½—Left closet door hinge.
74—Closet top guard only.
75—Closet top guard strip.
76—Closet top guard, left corner.
77—Closet top guard,right corner
78—Reservoir top.
79—Front reservoir casing.
80—Bottom reservoir casing.
81—Reservoir damper.
82—Oven brace—right end.
83—Reservoir tank.
84—Reservoir cover — Specify front, back or both.
85—Towel rod.
86—Flue door.
88—Right end reservoir casing.
89—Back end reservoir casing—if range has steel reservoir casing, order "Steel Reservoir Casing only."

REPAIR LIST FOR BASE BURNERS AND COOK STOVES.



BASE BURNERS.

1—Left lower mica door.
2—Left upper mica door.
3—Left upper front mica door.
4—Right lower front mica door.
5—Right upper front mica door.
6—Left lower front mica door.
7—Upper front mica section.
8—Right upper mica door.
9—Right lower mica door—door with inner cast frame and turnbuckles sent, unless otherwise specified.
10—Lower section magazine.
11—Upper section magazine.
12—Left upper main side.
13—Front upper main side.
14—Right upper main side.
15—Gas flue plates.
16—Upper main back.
17—Cast elbow left section.
18—Cast elbow right section.
19—Lower main back—if in 2 pieces, entire back will be sent.
20—Left lower main side.
21—Right lower main side.
22—Ash pit bottom.
23—Main bottom.
24—Lower main front.
25—Ash pit door.
26—Ash pit door slide.
27—Ash pit door catch.
28—Ash pit door handle.
29—Top ring of ash pit.
30—Annular shaking ring.
31—½ of duplex grate.
32—½ of duplex grate. Specify if piece wanted has long shank.
33—Fire pot.
34—Center front bar.
35—Urn—complete.
36—Swing top.
37—Left side dome.
38—Front side dome.
39—Right side dome.
40—Back side dome.
41—Wings—state right or left.
42—Front outer center ring.
43—Rail bracket—specify front or back on left or right side.
44—Foot rail — sometimes rail bracket is part of this.
45—Left base strip.
46—Back base strip.
47—Front base strip.
47½—Right base strip.*
48—Leg.
49—Right or left outer center ring—specify which.
50—Ash pit door guard.
51—Ash pit door slide.
52—Magazine gas cover.
53—Double heater damper.
54—Shaker—not visible.
55—Direct draft damper.
56—Main swing top.
57—Cold air flpes—2.
58—Fire pot bar—specify right or left.
59—Teakettle top—specify main top or lid only.

In ordering stove repairs, always stand facing the pipe collar.

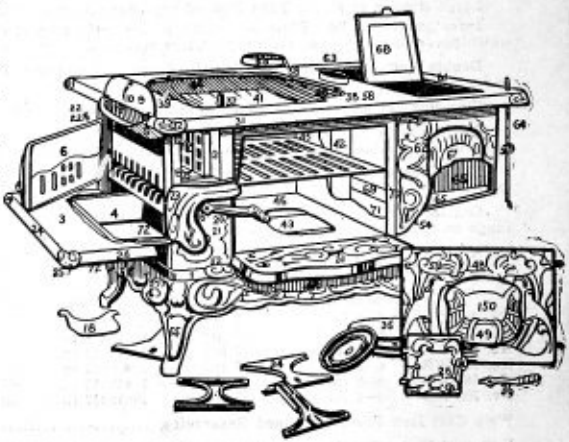
Give number and name on stove—Do not use invoice.—Do not give numbers on castings—they indicate only moulder's private numbers.

Order repairs by numbers on this cut, and also full name of **casting, as** per this list.

If casting wanted cannot be found on cut, give full description of it, and if necessary a drawing. Liberal descriptions will avoid errors.

COOK STOVES.

1—Main bottom.
2—Main hearth.
3—Hearth slide.
4Ash pan.
5—Upper front.
6—Front door.
7—Front door damper.
8—Front door name plate.
9—Pouch feed door.
10—Pouch feed door damper.
11—Front grate.
12—Fire back—complete.
13—Fire back rest.
14—Long half duplex grate.
15—Short half duplex grate.
16—Grate cogs.*
17—Cover for grate cogs.
18—Right end lining.
19—Left end lining.
20—Grate shaker.
21—Right main side.
22—Left main side.*
22½—Cast flue box.*
23—Ash guard—specify right or left.
24—Nickel hearth band.
25—Hearth corner plates.
26—Feed door.
31—Top nickel band.
32—Top nickel corner plates.
33—Cut long center—specify top or bottom.
34—Short center.
35—Cover.
36—Cover lifter.
37—center rest.
38—Collar top.
40—Direct draft damper—comp'te.
41—Oven top.
42—Back flue strip.
43—Bottom flue strip.
44—Side top—specify right or left
45—Oven back.
46—Oven bottom.
47—Oven rack.
48—Oven door—Specify right or left.
49—Oven door panel.—Specify right or left.
50—Oven door thermometer.
51—Oven door shelf — specify right or left.
52—Oven door kicker — specify right or left.
53—Oven door handle—specify right or left.
54—Main back square stove.*
55—Foot.
56—Long base strip.
57—Short base strip.
58—Flue covers.
59—Towel rod.
60—Teapot stand.
61—Reservoir top.
62—Right reservoir casing.
63—Left reservoir casing.*
64—Back reservoir casing.*
65—Bottom reservoir casing.
66—Reservoir.
67—Reservoir panel.
68—Reservoir cover—2 pieces.
69—Reservoir damper.
70—Reservoir damper handle.
71—Main back.



ROYAL EMPIRE RANGES.

FOR COAL OR WOOD.



Nos. 168-C, 188-C, 208-C.

With Cast Base.



Nos. 168-WB, 188-WB, 208-WB.

Description—The Royal Empire Steel Range represents the latest ideas known to the art of range making. It is scientifically constructed and especially well adapted to the requirements of the trade in the South and Southwest.

Fire Box—Is large and fitted with heavy ventilated interchangeable linings. The fire back and front grate linings are interchangeable with one another, as are also the two end linings, and using the same size fire box in all sizes makes either of these linings fit either side or end of the fire box in all of the different size ranges.

Grate—Extra heavy duplex, reversible for coal or wood, and can be removed without the loosening of a single bolt, screw, or rivet.

Large Ash Pan, with cast iron ends.

Large Broiler or Pouch Feed Door—Very convenient for toasting or broiling, and also large drop poker door.

Interchangeable Key Plate or panel top correctly proportioned, and allowance is made for contraction or expansion, which prevents warping or cracking. Large removable nickel towel bar.

Double Bottom—Protects the floor from heat, strengthens the bottom of the range, and assists in holding the heat under the oven.

Flue Box—Is made of cast iron where many of our competitors use sheet iron.

Reservoir—Is cast iron, porcelain lined, and is encased in ornamented cast iron casing. The reservoir is interchangeable and detachable, and can be removed or attached to either size of range.

High Closet—Is made of Wellsville polished steel, large and roomy, with full nickel trimmings. The brackets are cast iron of substantial size, full nickeled, and the rolling front is perfectly balanced.

Considering the construction, the workmanship, the material, and the ornamentation, the Royal Empire is the best range on the market for the money.

All steel parts that come in contact with heat are either asbestos or cast iron lined. The top oven plate is protected with a cast iron lining.

	No. of Holes.	Size Pipe.	Size Oven.	Size Top.	Height Body.	Weight.	Each.	
No. 168-C	6—8 in.	7 in.	16x19x12 in.	38½x28 in.	29 in.	375 lbs.★	BDCJ	$40.50
No. 188-C	6—8 in.	7 in.	18x19x12 in.	40½x28 in.	29 in.	390 lbs.★	BFGJ	44.50
No. 208-C	6—8 in.	7 in.	20x19x12 in.	42½x28 in.	29 in.	400 lbs.★	BIAJ	48.50
No. 168-WB	6—8 in.	7 in.	16x19x12 in.	38½x28 in.	29 in.	405 lbs.★	BEEJ	42.50
No. 188-WB	6—8 in.	7 in.	18x19x12 in.	40½x28 in.	29 in.	420 lbs.★	BGIJ	46.50
No. 208-WB	6—8 in.	7 in.	20x19x12 in.	42½x28 in.	29 in.	430 lbs.★	CJCJ	50.50

With Cast Iron Porcelain Lined Reservoir★ ..... extra DHJ 8.00

L Shaped Water Front or column water back★ ..... extra CFJ 6.00

★FOR FACTORY SHIPMENT, CENTRAL TENNESSEE.

DAISY EMPIRE CAST RANGE.



FOR COAL OR WOOD.

With High Closet, End Shelf and Oven Thermometer.

Description—Made of Southern pig iron, which is the best metal in the world for stove construction. Heavy porcupine, single fire back guaranteed for five years. Same fire back used with water coil. Large, wide fire box with duplex grate for coal or wood. Oven door thermometer shows accurately the temperature in the oven. Bailed ash pan.

No. C17-8—Four 8 in. holes, 7 in. pipe, oven 17x16x11 in., top 26½x31 in., w't 300 lbs.★.....each **BCDJ** $39.00

No. C19-8—Six 8 in. holes, 7 in. pipe, oven 19x19x11½ in., top 27½x32½ in., w't 330 lbs.★ .....each **BEBJ** $42.00

No. C21-8—Six 8 in. holes, 7 in. pipe, oven 21x19x12 in., top 27½x34½ in., w't 360 lbs.★ ....each **BGFJ** $46.00

With Reservoir on Nos. C19-8 or C21-8★ ....extra **EDJ** 9.00

Pipe Water Coil★ .....extra **CJJ** 5.00

With Back Guard instead of with High Closet, deduct★ ..... **DHJ** 8.00

To put in water coil, remove back end and front side of fire box linings.

MARTHA EMPIRE CAST RANGE.

FOR COAL OR WOOD.

With High Closet, End Shelf and Oven Thermometer.

Description—The design is plain but beautiful and will supply the wishes of persons wanting a range that is neat, graceful and sanitary, requiring the least possible effort to keep clean and free from grease, dust, etc. Large ventilated fire box prevents linings from burning out. Fire back is in three sections and is guaranteed for five years. Flues are properly proportioned and correct in construction, therefore it only necessitates a minimum of fuel. Large bailed ash pans, reversible duplex grates for coal or wood. Oven door thermometer shows accurately the temperature in the oven. Sixteen size takes water coil only. Eighteen and twenty take either water coil or L water front. All sizes with coil linings when so ordered.

No. 48-16-CM—Four 8 in. and two 6 in. holes 7 in. pipe, oven 15x15x10 in., top 25½x30 in., w't 300 lbs.★ each **BBHJ** $38.00

No. 68-18-CM—Six 8 in holes, 7 in. pipe, oven 18x17x11 in., top 26¾x32 in., w't 325 lbs.★ .....each **BEBJ** $45.00

No. 68-20-CM—Six 8 in. holes, 7 in. pipe, oven 20x19x12in., top 28¾x34 in., w't each 360 lbs.★ .....each **BGJJ** $45.00

With Cast Enamel Reservoir for Nos. 68-18-CM or 68-20-CM. extra★ ..... **EDJ** $9.00

L Water Front★ .....extra **CFJ** 6.00

Pipe Water Coil★ .....extra **CIJ** 6.50

With Back Guard instead of with High Closet, deduct★ ..... **DHJ** 8.00



★*FOR FACTORY SHIPMENT, CENTRAL TENNESSEE.*

GRAND EMPIRE CAST RANGE.



FOR WOOD.

Fire Back Guaranteed Never to Burn Out.

With High Closet and End Shelf.

Description—Made of Southern pig iron, which is the best metal for stove construction in the world, and will resist heat and retain its shape much longer than malleable iron or steel. This is our latest improved, up-to-the-minute, smooth finished, wood-burning cast range. The fire box is constructed without a grate or false bottom, and the fire back and fire bottom are guaranteed never to burn out.

No. 68-19-2-C—Six 8 in. holes, 7 in. pipe, oven 19x19 in., length wood 19 in., top 27¾x32½ in., w't 300 lbs.★each **BBEJ** $37.50

No. 68-21-2-C—Six 8 in. holes, 7 in. pipe, oven 19x19 in., length wood 20 in., top 27¾x34½ in., w't 325 lbs.★each **BDFJ** $41.00

Reservoir★ .....extra **EDJ** 9.00

With Back Guard instead of with High Closet, deduct★ ..... **DHJ** 8.00

CLIPPER COOK STOVES.

FOR WOOD.

Fire Back Guaranteed for Fifteen Years.





Without Reservoir.

	Holes.	Size Pipe.	Size Oven.	Height.	Width Oven Rack.	Top Including Shelf.	W't.	Each.
No. 47-16-2	4—7 in.	6 in.	16x16 in.	28 in.	12½ in.	32 in.	175 lbs.★	**JIFJ** $16.00
No. 48-16-2	4—8 in.	6 in.	16x16 in.	28 in.	12½ in.	32 in.	180 lbs.★	**JIFJ** 16.00
No. 48-18-1	4—8 in.	7 in.	18x18 in.	29 in.	14½ in.	33½ in.	210 lbs.★	**AJHJ** 18.00
No. 48-20-1	4—8 in.	7 in.	20x20 in.	29½ in.	16½ in.	35½ in.	245 lbs.★	**ACEJ** 22.50

With Reservoir.

	Holes.	Size Pipe.	Size Oven.	Height.	Width Oven Rack.	Top Including Reservoir.	W't.	Each.
No. 48-18-1-R	4—8 in.	7 in.	18x18 in.	29 in.	14½ in.	37½ in.	250 lbs.★	**AEFJ** $25.00
No. 48-20-1-R	4—8 in.	7 in.	20x20 in.	29½ in.	16½ in.	39½ in.	280 lbs.★	**AHJJ** 30.00

IMPROVED EMPIRE COOK STOVE.

For Coal—Fire Back Guaranteed for Five Years.

Description—The perfect proportions between the fire box, oven and flues make the **Ideal Empire** thoroughly reliable for baking. Heavy fire linings, oval fire box, obviating dead corners, heavy covers and centers, handsome ornamentation, full nickel trimmed, nickel towel rod and coffee-pot stand, oven doors aluminum lined, large pouch feed door, square oven.

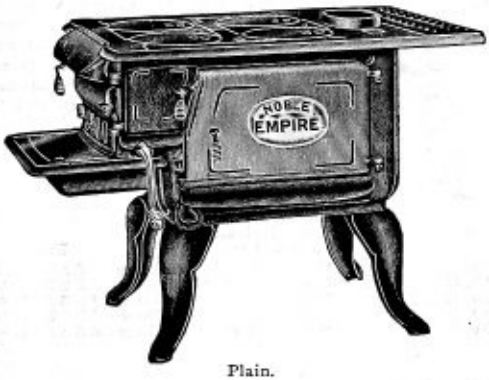


Without Reservoir.

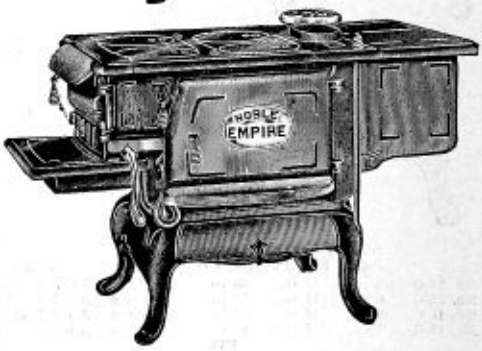
No.	47-14-1	47-16-1	48-16-1	48-18-1
Holes—No. and in..	4—7	4—7	4—8	4—8
Size pipe, in.	6	6	6	7
Size oven, in.	14½x14½	16x16x10	16x16x10	18x18x10½
Height, in.	27	28	28	28
Width oven rack, in.	11⅛	11½	11½	13½
Size fire box, in.....	4x13x7½	8x15x7½	8x15x7½	8½x17x8
W't, lbs.	175	230	232	265
Each	$13.80★	19.50★	19.50★	21.30★
	JHCJ	AAGJ	AAGJ	ABHJ

With Reservoir.

No. 48-18-1-R—With cast enamel reservoir★each **AFHJ** $28.00



Plain.



Improved with Reservoir.

Duplex Grate for Coal or Wood.

Noble Empire Cast Cook Stoves—Improved—Nickel Base.

No.	Holes.	Size Pipe.	Size Oven.	Top Including Shelf.	Width Oven Rack.	Height.	Weight.		Each.	
48-17-WB	4—8 in.	6 in.	16x17 in.	21½x30½ in.	14½ in.	27 in.	200 lbs.★	AAEJ		$19.20
48-19-WB	4—8 in.	7 in.	18x19 in.	24½x34½ in.	16½ in.	28 in.	230 lbs.★	ACHJ		23.00
49-19-WB	4—9 in.	7 in.	18x19 in.	24½x34½ in.	16½ in.	28 in.	240 lbs.★	ADDJ		24.00
48-21-WB	4—8 in.	7 in.	19x21 in.	26½x36 in.	18 in.	30 in.	270 lbs.★	AEFJ		26.00
49-21-WB	4—9 in.	7 in.	19x21 in.	26½x36 in.	18 in.	30 in.	280 lbs.★	AFBJ		27.00
Noble Empire—Improved—W. B.—Nickel Trimmed Base with Cast Enamel Reservoir.										
48-17-WBR	4—8 in.	6 in.	15x17 in.	21½x35 in.	14½ in.	27 in.	245 lbs.★	AEGJ		26.20
48-19-WBR	4—8 in.	7 in.	18x19 in.	24½x39 in.	16½ in.	28 in.	280 lbs.★	AHJJ		30.00
49-19-WBR	4—9 in.	7 in.	18x19 in.	24½x39 in.	16½ in.	28 in.	290 lbs.★	AHFJ		31.00
48-21-WBR	4—8 in.	7 in.	19x21 in.	26½x41 in.	18 in.	30 in.	315 lbs.★	AIHJ		33.00
49-21-WBR	4—9 in.	7 in.	19x21 in.	26½x41 in.	18 in.	30 in.	325 lbs.★	BJDJ		34.00
Noble Empire—Plain—Less Base, Less Nickel Except Name Plate.										
47-15-3	4—7 in.	6 in.	14x15 in.	16½x27½ in.	12¾ in.	26 in.	145 lbs.★	JHDJ		14.00
48-17-3	4—8 in.	6 in.	16x17 in.	21½x30½ in.	14½ in.	27 in.	185 lbs.★	AJDJ		17.30
48-19-3	4—8 in.	7 in.	18x19 in.	24½x34½ in.	16½ in.	28 in.	215 lbs.★	ABIJ		21.50
49-19-3	4—9 in.	7 in.	18x19 in.	24½x34½ in.	16½ in.	28 in.	220 lbs.★	ACEJ		22.50
48-21-3	4—8 in.	7 in.	19x21 in.	26½x36 in.	18 in.	30 in.	250 lbs.★	ADDJ		24.00
49-21-3	4—9 in.	7 in.	19x21 in.	26½x36 in.	18 in.	30 in.	260 lbs.★	AEJJ		25.00
Noble Empire—Plain—With Cast Enamel Reservoir.										
48-17-3R	4—7 in.	6 in	16x17 in.	21½x35 in.	14½ in.	27 in.	225 lbs.★	ADFJ		24.30
48-19-3R	4—8 in.	7 in.	18x19 in.	24½x39 in.	16½ in.	28 in.	265 lbs.★	AGAJ		28.50
49-19-3R	4—9 in.	7 in.	18x19 in.	24½x39 in.	16½ in.	28 in.	275 lbs.★	AGGJ		29.50
48-21-3R	4—8 in.	7 in.	19x21 in.	26½x41 in.	18 in.	30 in.	300 lbs.★	AHFJ		31.00
49-21-3R	4—9 in.	7 in.	19x21 in.	26½x41 in.	18 in.	30 in.	310 lbs.★	AIBJ		33.00

★*FOR FACTORY SHIPMENT, CENTRAL TENNESSEE.*

HEATERS.

EMPIRE GRAND OAK HEATERS.

For Coal.



Description—A beautifully finished high grade oak heater. Plain Colonial design and ornamentation. Large swing front feed door with screw register draft. Large shaking grate and center draw grate. Body is made of heavy polished blue steel. Rests on a four-piece nickel plated base. Full nickel plated swing top with fancy urn. With ash pan.

	Size Pipe.	Diam. of Fire Pot	Height, not Including Urn.	Weight		Each.
No. 13-G	6 in.	12 in.	46 in.	100 lbs.★	JGEJ	$12.50
No. 15-G	6 in.	14 in.	52 in.	125 lbs.★	JIJJ	15.80
No. 17-G	6 in.	16 in.	55 in.	158 lbs.★	AJEJ	17.50
No. 19-G	7 in.	18 in.	58 in.	205 lbs.★	ABJJ	20.00

EMPIRE GRAY OAK HEATERS.

For Coal.



Description—An exceedingly handsome stove. Plain, smooth finished, colonial design, an ornament to any parlor or sitting room. It has large shaking grate and center draw grate, extra large feed door heavily polished steel body, screw draft dampers, and extra large ash pit, nickeled foot rails that hook on, nickeled steel top band, large nickeled swing top and fancy urn, handsome nickeled name plate, nickeled turn knobs on fire door and ash door.

	Size Pipe.	Diam. Top Fire Pot.	Height, Including Urn.	Weight.		Each.
No. 11	5 in.	10 in.	43 in.	66 lbs.★	DAE	$6.90
No. 13	6 in.	12 in.	45 in.	87 lbs.★	EFE	9.38
No. 15	6 in.	14 in.	50 in.	110 lbs.★	JGBJ	11.88
No. 17	6 in.	16 in.	53 in.	140 lbs.★	JHFE	14.38
No. 19	7 in.	18 in.	56 in.	190 lbs.★	AAAE	16.90



EMPIRE HOT BLAST HEATERS.

Air Tight—For Coal.

Description—Colonial design. Plain, smooth finished castings and nickel work. A beautiful parlor hot blast lined with cast iron all the way to the top. Large lift top feed door. Reversible pipe collar. Down draft hot blast tube is suspended from the main top. Large cast pouch, air-tight clean-out door, fitted with nickel screw register. Blued steel body is protected above the fire pot by a cast lining. Heavy cast top and bottom and cast leg base. Beautiful bronzed urn.

	Size Pipe.	Diameter of Body.	Height, not Including Urn.	Weight.		Each.
No. 312	5 in.	12 in.	40 in.	100 lbs.★	JGEJ	$12.50
No. 314	6 in.	14 in.	42 in.	115 lbs.★	JIJJ	15.00
No. 316	6 in.	16 in.	44 in.	145 lbs.★	AJEJ	17.50
No. 318	7 in.	18 in.	46 in.	170 lbs.★	ABJJ	20.00

★FOR FACTORY SHIPMENT FROM CENTRAL TENNESSEE.

HEATERS.

MONO EMPIRE.

Air Tight—For Wood.



Description—Heavy cast, dome-shaped top and cast bottom. Lift top feed door. Reversible pipe collar. Large cast pouch clean-out door, where the ashes are removed instead of from the top feed door. The clean-out door can be held in a raised position by a simple adjustment. The fire is regulated by the nickel register draft in clean-out door. Body is [illegible] of polished blued steel, with a heavy steel lining. [illegible] nickel swing top, nickel foot rails, nickel top band, [illegible] name plate and register draft. Beautiful bronzed urn.

	Size Pipe.	Height, not Including Urn.	Length Wood.	Weight.	Each.	
No. 16-MW	5 in.	28 in.	16 in.	80 lbs.★	**EGJ**	$9.50
No. 18-MW	5 in.	29 in.	18 in.	90 lbs.★	**JFCJ**	10.50
No. 20-MW	6 in.	30 in.	20 in.	100 lbs.★	**JGBJ**	12.00
No. 22-MW	6 in.	31 in.	22 in.	110 lbs.★	**JHAJ**	13.50
Cast Linings ★				extra	**AAJ**	1.80
Coal Grate★				extra	**AAJ**	1.80

Cast linings or coal grates will not be shipped unless specified in the order.

COZY EMPIRE.

For Coal.



Description—Full nickeled, fitted with reversible pipe collar. Will burn hard coal, soft coal or wood, cast-iron top and bottom. Has oval fire pot with draw center shaking grate. The fire pot sets in a cast-iron frame, which is two and a half inches wide, bringing the fire pot away from the steel body so the steel does not come in direct contact with the fire to burn out or warp. The fire pot frame is made in two sections, bolted together, the front section rests on a wide flange projecting from the main cast front and the rear section rests on two perpendicular cast supports resting on the main bottom of stove and are bolted to the steel body. The fire pot grates and fire pot frame can be readily removed through the door opening. The following parts are nickel plated—swing top, foot rail, top band, screw register drafts and door knob. Illuminating mica front door.

	Size Pipe.	Height, not Including Urn.	Weight.	Each.	
No. 116-C	5 in.	30 in.	105 lbs.★	**AJBJ**	$17.00
No. 118-C	6 in.	30 in.	110 lbs.★	**AJHJ**	18.00
No. 120-C	6 in.	30 in.	130 lbs.★	**AAGJ**	19.50
No. 122-C	6 in.	30 in.	140 lbs.★	**ACBJ**	22.00

FRANKLIN.

For Coal.

Description—Fitted with reversible pipe collar low priced, handsome ornamentation, without waste of heat, quick heater, open fire effect, sliding top.

	Size Pipe.	Height.	Grate	Weight.	Each.	
No. 60	5 in.	26 in.	10 in.	67 lbs.★	**CCJ**	$3.50
No. 70	6 in.	27 in.	10 in.	81 lbs.★	**CIJ**	6.50
No. 80	6 in.	30 in.	12 in.	110 lbs.★	**DHJ**	8.00



★*FOR FACTORY SHIPMENT FROM CENTRAL TENN ESSEE.*

HEATERS.

UNA EMPIRE HEATERS.



For Coal and Wood.

Description—A beautiful and well constructed parlor heater. Two loose nickel rails, heavy cast linings and coal grate for coal, reversible pipe collar. Front feed door has large illuminating mica front, swing ash door with slide draft register, large end feed door for wood—for coal the mica front feed door is used. Ornamental open work, full nickel plated swing top, loose cover for heating water and light cooking. Nickeled foot rail, top rail, swing top urn, knobs on front and side feed door and ash door.

For Coal.

	Size Pipe.	Holes.	Height, not Including Urn.	Weight	Each.
No. 16-C	5 in.	1—6 in.	27 in.	100 lbs.★	JFHJ $11.30
No. 18-C	5 in.	1—6 in.	28 in.	115 lbs.★	JGEE 12.60
No. 20-C	6 in.	1—6 in.	30 in.	125 lbs.★	JIJE 15.10
No. 22-C	6 in.	1—6 in.	32 in.	135 lbs.★	AJEE 17.60

When furnishing this stove for wood only, we take out the cast linings and coal grate.

For Wood.

	Size Pipe.	Holes.	Height.	Weight.	Each.
No. 16-W	5 in.	1—6 in.	27 in.	85 lbs.★	EFE $9.40
No. 18-W	5 in.	1—6 in.	28 in.	100 lbs.★	JFDJ 10.70
No. 20-W	6 in.	1—6 in.	30 in.	110 lbs.★	JGHE 13.10
No. 22-W	6 in.	1—6 in.	32 in.	120 lbs.★	JIDJ 15.70

Specify when ordering whether Wood or Coal is wanted.

EMPIRE PARLOR HEATERS.



For Wood.

Description—With mica door. Reversible pipe collar. Heavy cast top, bottom and front. Double swing top, flat cooking top with cover, large front swing feed door. Nickeled top, side rails, name plate and screw register. Body made of polished blued steel. The mica in the upper half of the large front feed door permits you to see the fire.

	Size Pipe.	Height.	Length Wood.	Weight.	Each.
No. 418-WP	5 in.	25 in.	18 in.	85 lbs.★	JFCJ $10.50
No. 422-WP	6 in.	29 in.	22 in.	100 lbs.★	JGBJ 12.00
No. 426-WP	6 in.	30 in.	26 in.	110 lbs.★	JHDJ 14.00

ART EMPIRE HEATERS.



Air Tight—For Wood.

Description — Full nickeled, reversible pipe collar, cast top and bottom and cast front, with large swing door, nickel swing top with cover underneath, steel lined. Nickel plated swing top, foot rails, top band, screw register, draft, frame and door knob. Burns wood, chips, shavings, cobs, etc.

	Size Pipe.	Length Wood.	Height, not Including Urn.	Weight.	Each.
No. 116-A	6 in.	16 in.	28 in.	90 lbs.★	JFJJ $10.00
No. 118-A	6 in.	18 in.	29 in.	95 lbs.★	JFFJ 11.00
No. 120-A	6 in.	20 in.	30½ in.	110 lbs.★	JGBJ 12.00
No. 122-A	6 in.	22 in.	32 in.	120 lbs.★	JHAJ 13.50

NEBO HEATERS.

For Coal.



	Size Pipe.	Fire Pot.	Height.	Weight.	Each.
No. 116	6 in.	16 in.	46 in.	325 lbs.★	ADBE $23.74
No. 118	7 in.	18 in.	50 in.	375 lbs.★	AEGE 26.26
No. 120	7 in.	20 in.	54 in.	450 lbs.★	BJAE 33.74

★*FOR FACTORY SHIPMENT, CENTRAL TENNESSEE.*

LAUNDRY STOVES.

WESTERN LAUNDRY.



One of the Most Desirable Laundry Stoves Made. Large Pouch Feed Door, Dumping and Shaking Grate, Sliding Register in Hearth, Smooth Castings.

No. 27—Two 7 in. holes, 6 in. pipe, height 23 in., top 18x21 in., w't 70 lbs., each★ .....**BGJ** $4.50

No. 28—Two 8 in. holes, 6 in. pipe, height 23 in., top 18x21 in., w't 70 lbs., each★ .....**BHE** $4.70



No. 48—Four 8 in. holes, 6 in. pipe, height 23 in., top 21x22 in., w't 110 lbs., each★ .....**DDJ** $7.30

REX LAUNDRY.



This stove is so constructed that it will hold one wash boiler and eight sad irons at one time. The irons are so held that the entire face fits flat against the bowl and will not tilt away at the top when in place. Another important feature is that the throat or top of fire pot is extra large, exposing the entire bottom of the wash boiler to the fire, so the water will boil quickly. The stove is heavy and made in a substantial, first-class manner.

No. 7—Two 7 in. holes, 6 in. pipe, height 25 in., top 19x21 in., w't 82 lbs., each★ .....**CFJ** $6.00

No. 8—Two 8 in. holes, 6 in. pipe, height 25 in., top 19x21 in., w't 85 lbs., each★ .....**CGJ** $6.20



No. 44—Four 8 in. holes, 6 in. pipe, height 25 in., top 21x23 in., w't 115 lbs., each★ .....**EFE** $9.40

PET LAUNDRY.



For Coal.

A Good All Cast Iron Laundry Stove at a Low Price. Has Dumping Grate, Swing Feed Door and Swing Ash Door. No Sheet Steel Used in this Stove.

No. 8-P—6 in. pipe, height 21 in., w't 50 lbs.★ .....each **BCJ** $3.80

MAIL ORDER DEPARTMENT

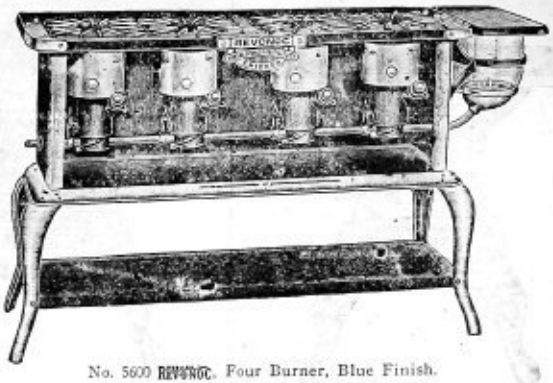
Our constant attention in fifty-eight years of business has been given to the perfecting of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

★*FOR FACTORY SHIPMENT ONLY, CENTRAL TENNESSEE.*

REVONOC WICK OIL COOK STOVES.



No. 2600 REVONOC. Two Burner, Blue Finish.



No. 5600 REVONOC. Four Burner, Blue Finish.

Material—Made of heavy gauge steel, with rolled edges to strengthen stove where necessary.

Body—Full cabinet, protects flame from drafts. A decided improvement over stoves made with open back. Base is made of re-inforced rolled edges.

Top—Is large and edges are strongly braced and re-inforced. Grates are square, giving much larger cooking space than stoves having round grates. The three burner stove will easily accommodate a double oven and still leave the third burner free to use any size kettle or pot. The space between the burners on the four burner stove has been increased so that a double oven will leave two burners entirely free for other work, even when stove is fitted with high shelf. A convenient shelf over the glass tank is one of our 1916 Features.

Burners—Are made of spun brass and have been improved every year so that they are by all odds the best oil cook stove burners in use. They are extra heavy, the wick raiser has been improved so that ratchet will always work. Brass burners will not rust as do burners on some other stoves that are made of steel. The success of the REVONOC Oil Cook Stove is due to the superiority of its patented burners. The top rim of burners is so constructed that small particles of char from the wicks do not collect around wick and cause smoke or odor when stove is lighted. The diaphragm across the top of brass burner creates an equal distribution of air on inside and outside of wick resulting in perfect combustion. The stove burns thirty parts of air to one part of fuel, making it the most economical stove to be had.

Indicators—The raising and lowering of wicks is regulated by an indicator that is fastened to the raising device. This indicator has been greatly improved and the wicks can now be easily set without the trouble of loosening a set screw. No guesswork in operating the REVONOC oil stove.

Cones or Chimneys are made of steel white enameled, the inside cylinders being perforated so that air enters on both sides of flame resulting in a beautiful blue flame.

Tanks are made of heavy flint glass supported by a bracket so that they cannot be knocked off. Capacity about one gallon. The automatic valve on mouth of tank can be easily removed when necessary to refill. Glass tank shows amount of oil and prevents smoking and rapid consumption of wicks which results when stove is operated after oil has been used up.

Chimney Raisers of the best type are a new feature of the 1915 REVONOC. When wicks are turned down and fire put out, the chimneys should be raised from top of burners. This breaks connection with burner and prevents oil seeping up onto the chimneys. This keeps them clean and avoids possibility of stove smoking when first lighted.

Wicks—Double thick, extra close weave and will burn approximately seven hundred hours if properly handled. See Direction Card furnished with every stove.

Legs are made of heavy pressed steel and are nearly perpendicular. A tray is fastened to the legs making a very rigid base and a convenient shelf for pots and kettles.

The REVONOC Oil Cook Stove is the best oil cook stove made. There are thousands of them in use. Set the REVONOC on your floor and demonstrate it along side of other stoves. It will do 46 per cent more work and use 22 per cent less oil. In fact the REVONOC oil stove combines all the advantages of a gas range and is operated with the cheapest and most convenient fuel obtainable.

Blue Enameled with Black Top, White Cones and Tray.

No. 1700 REVONOC	—1 burner,	height 31 in., top 14½x14½ in., shipping w't 46 lbs.	each	DHJ	$8.00
No. 2700 REVONOC	—2 burners,	height 31 in., top 16¼x25½ in., shipping w't 57 lbs.	each	JGBJ	12.00
No. 3700 REVONOC	—3 burners,	height 31 in., top 16¼x35½ in., shipping w't 73 lbs.	each	JICJ	15.50
No. 4700 REVONOC	—4 burners,	height 31 in., top 16¼x44 in., shipping w't 83 lbs.	each	ABCJ	20.50
No. 5700 REVONOC	—5 burners,	height 32 in., top 16¼x63 in., shipping w't 110 lbs.	each	AGDE	29.12

Shelves Only.

No. 27B REVONOC	—For 2 burner stoves,	shipping w't 26 lbs.	each	BFJ	$4.30
No. 37B REVONOC	—For 3 burner stoves,	shipping w't 30 lbs.	each	CAJ	5.20
No. 47B REVONOC	—For 4 burner stoves,	shipping w't 38 lbs.	each	CGJ	6.20
No. 57B REVONOC	—For 5 burner stoves,	shipping w't 43 lbs.	each	DDJ	7.30

Black Enameled with White Cones and Tray.

No. 270 REVONOC	—2 burners,	height 31 in., top 16¼x25½ in., shipping w't 57 lbs.	each	JFIJ	$11.50
No. 370 REVONOC	—3 burners,	height 31 in., top 16¼x35½ in., shipping w't 73 lbs.	each	JIJJ	15.00
No. 470 REVONOC	—4 burners,	height 31 in., top 16¼x44 in., shipping w't 83 lbs.	each	ABJJ	20.00
No. 570 REVONOC	—5 burners,	height 32 in., top 16¼x63 in., shipping w't 110 lbs.	each	AGBJ	28.62

Shelves Only.

No. 27 REVONOC	—For 2 burner stoves,	shipping w't 26 lbs.	each	BFJ	$4.30
No. 37 REVONOC	—For 3 burner stoves,	shipping w't 30 lbs.	each	CAJ	5.20
No. 47 REVONOC	—For 4 burner stoves,	shipping w't 38 lbs.	each	CGJ	6.20
No. 57 REVONOC	—For 5 burner stoves,	shipping w't 43 lbs.	each	DDJ	7.30

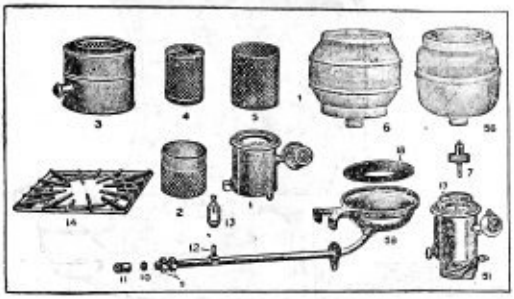


No. 8700S Rev-o-noc

For description and prices see opposite page.

REVONOC OIL COOK STOVES AND PARTS.

REVONOC WICK OIL COOK STOVE PARTS.



80—Supply pipe with sub tank complete for No. 1500 one-burner stove★ .....each ADE $2.40

82—Supply pipe with sub tank complete for No. 2500 two-burner stove .....each AFJ $2.70

83—Supply pipe with sub tank complete for No. 3500 three-burner stove .....each AHJ $3.00

84—Supply pipe with sub tank complete for No. 5500 four-burner stove .....each BJJ $3.30

58—Supply pipe with sub tank complete for No. 1600 one-burner stove★ .....each ADE $2.40

59—Supply pipe with sub tank complete for No. 2600 two-burner stove .....each AFJ $2.70

60—Supply pipe with sub tank complete for No. 3600 three-burner stove .....each AHJ $3.00

61—Supply pipe with sub tank complete for No. 5600 four-burner stove .....each BJJ $3.30

11—Pipe cap with lead washer for end of supply pipe, each★ .....BJ $0.30

10—Lead washer only for pipe cap★.....each AB .20

9—Two lock nuts on supply pipe★.....each AB .20

6—Glass oil tank with automatic valve—1914, each JIJ 1.50

56—Glass oil tank with automatic valve—1915, each JIJ 1.50

7—Automatic valve only for glass oil tank....each CJ .50

1—Burner complete with wick—without burner drum, each .....BAJ 3.50

51—Burner—1915—complete with wick—without burner drum, each .....BAJ $3.50

X—Wicks with carrier complete .....per dozen AHJ 3.00

3—Burner drum complete, enameled.....each JIJ 1.50

4—Inner perforated tube of burner drum.....each BE .40

5—Outer perforated tube of burner drum.....each BE .40

13—Clamp burner holder with set screw★.....each BJ .30

12—Saddle on supply pipe for clamp burner holder, each★ .....BJ .30

14—Grates for top of stove.....each BE .40

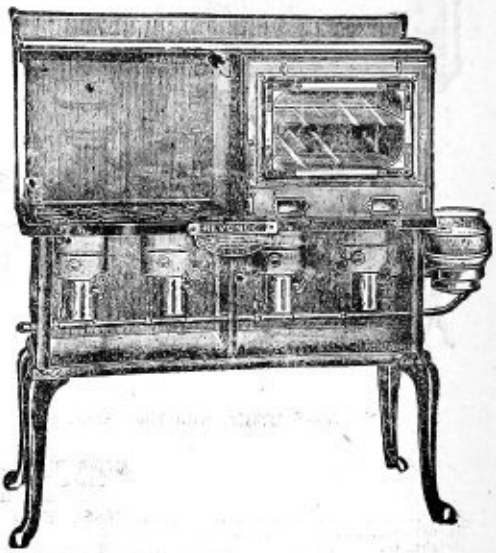
16—Sub tank cover★.....each BJ .30

17—Lifting wheel on top of burner★.....e..each BJ .30

Steel legs with bolts★.....per set of four JGJ 1.20

In ordering parts, always give name and number of stove. The "X" REVONOC Wicks fit these stoves.

REVONOC OIL COOK STOVES.



No. 4500-SO REVONOC—Blue, 4 burners, height 31½ in., size of top 42x16 in., complete with shelf and special oven, w't each 150 lbs.★.....each BDFJ $41.00

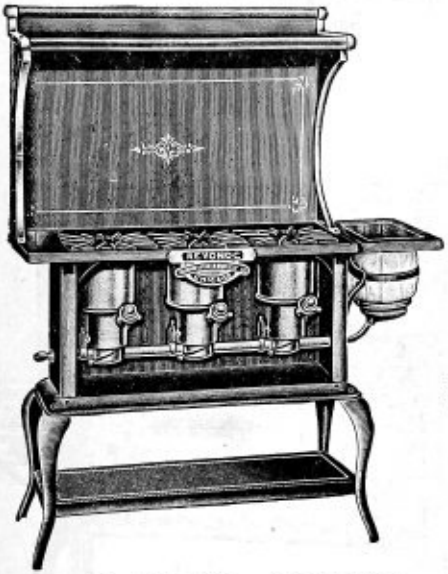
No. 4500 REVONOC—Blue, 4 burners, height 31½ in., size of top 42x16 in., w't each 93 lbs.★.....each AFHJ $28.00

No. 45-B—Blue shelves for No. 4500 REVONOC, w't each 26 lbs., each★ .....DEJ $7.10

No. 450—Special oven for No. 4500 REVONOC, size 21⅜ in. wide, 16¾ in. high, 15⅜ in. deep, w't each 32 lbs., each★ .....CCJ $5.00

★*FOR FACTORY SHIPMENT ONLY.*

REVONOC WICK OIL COOK STOVES.



No. 3600-S REVONOC, with High Shelf.



No. 4200-S REVONOC, with Shelf and Step.

	REVONOC Blue Enameled Stove with Black Top, White Cones and Blue High Shelf				REVONOC Black Enameled Stove with Black Top, White Cones and Black High Shelf			
Nos.	**2700-S**	**3700-S**	**4700-S**	**5700-S**	**270-S**	**370-S**	**470-S**	**570-S**
Burners	2	3	4	5	2	3	4	5
Height, in.	31	31	31	32	31	31	31	32
Top, in.	16¼x25½	16¼x35½	16¼x44	16¼x63	16¼x25½	16¼x35½	16¼x44	16¼x63
W't, lbs.	81	103	121	153	83	103	121	153
Each	$16.30	20.70	26.70	36.42	15.80	20.20	26.20	35.95
	JIHJ	**ABDJ**	**AFJJ**	**BAHE**	**JIEJ**	**ABAJ**	**AEGJ**	**BAEE**

REVONOC Blue Enameled Stove with Black Top and White Cones.

	Without Blue High Shelf.		With Blue High Shelf.	
Nos.	**4200**	**4300**	**4200-S**	**4300-S**
Burners, step	1	1	1	1
Burners, top	2	3	2	3
Height, in.	29	29	29	29
Top, in.	25x15½	35x15½	25x15½	35x15¼
W't, lbs.	87	97	117	127
Each	$28.50★	33.00★	35.00★	39.50★
	AGAJ	**AIHJ**	**BAJJ**	**BCGJ**

For Prices and Information on Wicks, see page 1023.

TEST.—FOR GENERAL DESCRIPTION, SEE PAGE 1080.

Between the REVONOC and its most popular competitor, gave the following results—

The test was made with one quart of water in a three quart covered pail at a temperature of 60 degrees Fahrenheit.

Test No. 1—It took the REVONOC 15 minutes, while it took the other 20 minutes to boil this water from time fire was first started, showing the REVONOC was 25% faster.

Test No. 2—It took the REVONOC 12½ minutes, while it took the other 18½ minutes, to bring to boiling point, both fires burning normal, when water was put on, showing the REVONOC 46% faster.

Test No. 3—Was to burn one burner of each oil cooker 3 hours. This test was made during the same time and with the same burners. The REVONOC consumed 18½ oz. of oil in 3 hours, while the other consumed 22½ oz. of oil showing a saving in favor of the REVONOC of 22 per cent in oil and time.

This shows the REVONOC Oil Cooker will do 46 per cent more cooking and at the same time consume 22 per cent less oil, which amounts to doing the work in two-thirds the time at much less cost for oil.

★*FOR FACTORY SHIPMENT ONLY.*

OIL AND GASOLINE STOVES.

OIL STOVES.



Wickless Blue Flame, Iron Burners.

Description—Body made of cold rolled steel, japanned and ornamented elaborately, in full cabinet style only, strong and rigid.

The Burner—Is durable, self-centered, requires no adjustment, drops easily into place. It evaporizes perfectly and burns at all times with a steady blue flame.

Tank—Is removable, cannot be filled while stove is in operation, equipped with automatic oil feed.

No. 501—1 burner, height 12 in., shipping w't 22 lbs. .....each **BCE** $4.50
No. 502—2 burners, height 12 in., shipping w't 30 lbs. .....each **CDJ** $6.50
No. 503—3 burners, height 12 in., shipping w'a 40 lbs. .....each **DFJ** $9.00

Wickless Blue Flame, Brass Burners, Massive Steel Base.

No. 801—1 burner, height 14 in., shipping w't 24 lbs. .....each **CCE** $6.80
No. 802—2 ubrners, height 14 in., shipping w't 32 lbs. .....each **DCE** $8.50
No. 803—3 burners, height 14 in., shipping w't 43 lbs. ....each **JEFJ** $10.50

GASOLINE STOVES.

Base Burners.

No. 109—1 burner, height 14 in., shipping w't 18 lbs., each **BCE** $4.50

No. 209—2 burners, height 14 in., shipping w't 25 lbs., each **BHE** $5.30

No. 309—3 burners, height 14 in., shipping w't 31 lbs., each **DCE** $8.50



Description—This stove is built with special care, material of selected cold rolled steel, beautifully japanned and decorated.

Large Massive Base—Adds to the appearance and strength, and prevents accumulation of dust under stove.

Burners and all Stand Pipes—Are of brass, insuring absolute fit, no leakage of gasoline.

Tank—Made of heavy steel, double seamed and soldered.

GASOLINE STOVES.



Brass Burners.

No. 302—2 burners, height 14 in., shipping w't 31 lbs.★....each **DCJ** $7.80
No. 303—3 burners, height 14 in., shipping w't 40 lbs.★..each **JEHJ** $10.50
No. 402—2 burners, height 24 in., shipping w't 38 lbs.★....each **ECJ** $9.60
No. 403—3 burners, height 24 in., shipping w't 47 lbs.★..each **JFFJ** $12.00

Description—Substantially made, in full cabinet style, baked with japan and handsomely decorated.



Single Generator Burner—Is so constructed that by generating gasoline at one burner, gas is formed and makes balance of burner self-generating. By means of the pilot-light all burners can be kept ready for immediate use. This is the most practical and convenient method and is becoming very popular.

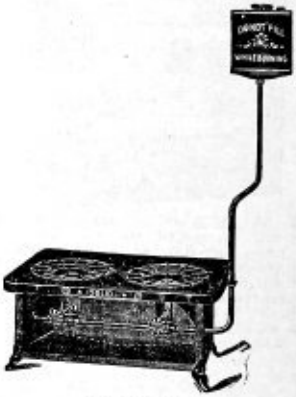
Tank—Is of the lay down kind and cannot be filled until flames are extinguished. Safe and convenient.

Brass Burners.

No. 423—2 top burners, 1 step, height 24 and 16 in., shipping w't 60 lbs., each★ .....**JICJ** $17.00

Aside from having a step this stove is similar in detail and construction to those illustrated and described above.

SOLID GASOLINE STOVES.



Iron Burners.

No. 108—1 burner, height 8 in., shipping w't 16 lbs. .....each **BJJ** $3.60
No. 208—2 burners, height 8 in., shipping w't 26 lbs. .....each **BBE** $4.00
No. 308—3 burners, height 8 in., shipping w't 29 lbs. .....each **CEJ** $6.30
No. 107—1 burner, height 12 in., shipping w't 17 lbs. .....each **BAJ** $4.00
No. 207—2 burners, height 12 in., shipping w't 23 lbs .....each **BCJ** $4.40
No. 307—3 burners, height 12 in., shipping w't 30 lbs. .....each **CFJ** $6.90

Description—Strong and rigid construction, the body being made of one piece, steel, full cabinet style, finished with a coat of black japan.

Burners—Has largest generating surface of any Jr. gasoline stove on the market, making a quick operator. All angle parts are brass, burners and balance of parts, iron.

Tank—Extra well made, valves are perfectly fitted.



Iron Burners.

No. 227—2 burners, height 24 in., shipping w't 29 lbs.★ ....each **CBE** $6.50
No. 327—3 burners, height 24 in., shipping w't 38 lbs.★ ....each **DFE** $8.80

Aside from having a drip shelf these stoves are similary in detail and construction to those illustrated and described above.

All Oil and Gasoline Stoves are tested before leaving the factory.

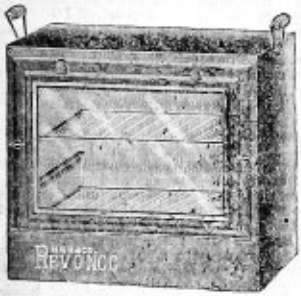
PORTABLE OVENS.



No. 95 REVONOC—High grade polished steel, corrugated tin and asbestos lining, door finished in blued enamel corresponding to our Blue REVONOC Oil Cook Stove, two wire racks, for two burners, size 13¼x21x18½ in. w't each crated 30 lbs. .....each **BDJ** $4.00

No. 095 REVONOC—W't knocked down and packed in fibre carton 35 lbs., otherwise same as No. 95 REVONOC, each .....**BDJ** $4.00

A splendid baking oven. The glass in the door may be easily replaced at small expense.



No. 99 REVONOC—High grade polished steel, lined with corrugated tin and asbestos, cold Alaska handles, two wire racks, perfectly smooth, no chance for dirt and rust in corners and depressions, an excellent baking oven, for two burners, size 13¼x21x 18½ in., w't crtd. 23 lbs., each .....**BDJ** $4.00

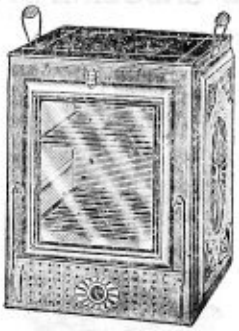
No. 099 REVONOC—W't 20 lbs., knocked down and packed in fibre carton, otherwise same as No. 99 REVONOC, each .....**BDJ** $4.00



With Solid Door, Otherwise Same as No. 115 REVONOC.

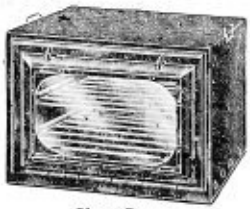
No. 1 REVONOC—1 burner, size 12x11x 11 in., w't per carton 25 lbs., each .....**ABJ** $2.00

PACKED THREE IN A STRAWBOARD CARTON.



No. 88 REVONOC—High grade polished steel, lacquered to prevent rust, japanned and ornamented top, lined with corrugated tin and asbestos, mica peep hole, cold Alaska handles, two wire racks, splendid baker, for one burner, size 13¼x14½x18½ in., w't crtd. 18 lbs. .....each **BJJ** $3.30

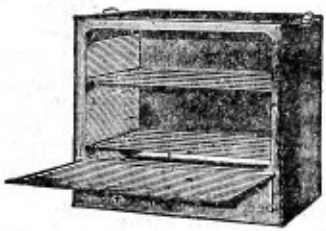
No. 088 REVONOC—W't 17 lbs., knocked down and packed one in a fibre carton, otherwise same as No. 88 REVONOC. .....each **BJJ** $33.0



Glass Door.

No. 75—Made of polished steel, sides tin lined, malleable door knobs, wire handles, two wire racks, good circulating flue system provides perfect ventilation and makes this a splendid baking oven at a moderate price, size 20x13¼x14½ in., w't crtd. 16 lbs., each .....**BJE** $3.40

No. 075—Same as above knocked down, each .....**BJE** $3.40



No. 5—Blue refined steel, lined with corrugated steel, two wire racks and oven door supports, two burners, size 12¾x20x17¾ in., w't 19 lbs., each .....**AEJ** $2.50

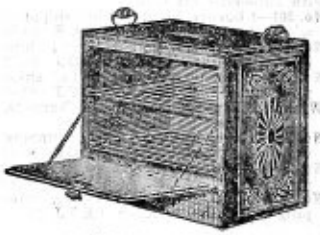
★*FOR FACTORY SHIPMENT ONLY.*



Made of Refined Blue Steel, Bottom and Body of One Piece, Making a Strong, Tight, Durable Oven. Top and Sides Lined with Sheet Steel and Asbestos.

No. 115 REVONOC—1 burner, size 12x11x 11 in., w't per crate 36 lbs., each .....**AGJ** $2.50

ONE IN A CARTON; THREE IN A CRATE.



Made of High Grade Polished Steel, Japanned and Ornamented Top, Lined with Corrugated Tin and Asbestos, Mica Peep Hole Under Door, Alaska Cold Handles.

No. 8 REVONOC—1 burner, size 13¼x14½x 18½ in., shipping w't 18 lbs., each .....**AFJ** $2.70

No. 9 REVONOC—2 burners, size 13¼x21x 18½ in., shipping w't 23 lbs., each .....**AIJ** $3.20

*No. 11—1 burner, size 13¼x21x18½ in., shipping w't 23 lbs.★ each **AIJ** $3.20

Knocked Down.

No. 08 REVONOC—1 burner, size 13¼x14½x 18½ in., shipping w't 20 lbs., each .....**AFJ** $2.70

No. 09 REVONOC—2 burners, size 13¼x21x 18 in., shipping w't 25 lbs., each .....**AIJ** $3.20

*No. 011—1 burner, size 13¼x21x18 in., shipping w't 25 lbs.★ each **AIJ** $3.20

**Nos. 11 and 011 have drop door on end.*

ONE IN A CRATE.

FIRELESS COOKERS, STOVE PIPE RADIATORS AND DOMO OVENS.

REVENOC ALUMINUM FIRELESS COOK STOVES.



The REVENOC Fireless Cooker is made of steel, all utensils and linings are made of heavy aluminum. This cook stove is scientifically insulated by the best material than can be found for the purpose. Every cooker is insulated by hand and the insulation is put where it is needed.

The REVENOC is fitted with vapor seal tops which is the only construction that will hold the heat. A fireless cook stove must retain the heat. The weakest point of other makes is in the construction of the top where the heat escapes.

Steam valves are used on each section of the cover. They work automatically—conserving the cooking heat and allowing only the surplus steam to escape.

There are no seams, no rough edges, no bolt or nail holes. These cookers are the best made, sanitary, and easy to clean. Soapstones are the best to be had and they are the best material for this purpose. If well treated, should not crack. **We do not guarantee soapstones and do not replace breakage.**

No. 81 REVENOC—One compartment, 17½ in. high, 16¼ in. long, equipped with one 8-quart aluminum kettle, two heat radiators, one pair individual pastry and cake shelves, one radiator rack, two radiator hooks, one book of directions, shipping w't 60 lbs., each★ ..... **JHIE** $14.90

No. 82 REVENOC—Two compartment, 17½ in. high, 16½ in. wide, 30½ in. long equipped with two 8-quart aluminum kettles, four soapstones, two soapstone racks, two pair individual pastry and cake shelves, two radiator hooks, one instruction book, shipping w't 105 lbs., each ..... each **AFAE** $26.80

No. 83 REVENOC—Three compartments, 17½ in. high, 16½ in. wide, 41½ in. long, equipped with one 8-quart and two 4-quart aluminum kettles, four heat radiators, one radiator rack, one pair individual pastry and cake shelves, two radiator hooks, one book of directions, shipping w't 130 lbs., each★ ..... **AGHE** $29.70

Extra Soapstones for above,
each ..... **JFJ** 1.00

FIRELESS COOKERS.



Metal Lined with Zinc Finished in Light Blue Enamel.

No. 40—11½x15½ in., with two 4 qt. enameled vessels, w't each 30 lbs., each ..... **CFJ** $6.00

No. 60—12½x16½ in., with two 6 qt. enameled vessels, w't each 40 lbs., each ..... **DCJ** $7.20

No. 900—14x18½ in., with two 8 qt. enameled vessels, w't each 50 lbs., each ..... **EDJ** $9.00

Made of metal, sanitary and easy to keep clean. Compact and light. Lined with zinc to prevent rusting. The covers have locks so that they can be securely fastened. A rubber gasket is set into a groove formed in a shoulder of the cooker on which cover rests. When cover is locked this forms an absolutely heat-tight joint. Finished in light blue. One soapstone furnished with each cooker.

ONE IN A BOX.

STOVE PIPE RADIATORS.



Nos.	246	286
Size over all, in.	10x23	14x26
Size of pipe collar, in.	6	6
Weight, lbs.	17	21
Each	$3.20	4.00
	AIJ	**BDJ**

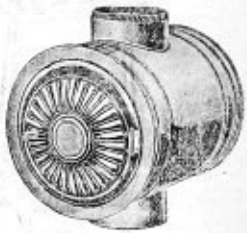
These radiators are made of finest grade polished steel, and contain six large tubes, which run from bottom to top. These tubes cross each other in the center, giving the smoke and heat a spiral motion, causing it to come in direct contact with the full length of the tubes and outer surface of radiator.

These radiators take the place of a joint of pipe, and can be used at any convenient place, either above the stove or on the floor above.

ONE IN A CARTON.

★*FOR FACTORY SHIPMENT ONLY.*

DRUM OVENS.



All Steel.

No. 17—17x18½ in., 6 in. pipe, w't 12 lbs., each ..... **AEJ** $2.50

Made of good sheet steel, double seamed joints perfectly tight.

ONE IN A CARTON.

DRUM OVENS.



Cast Rollers, Frame and Door.

No. 18—18x14 in., 6 in. pipe, w't 33 lbs., each ..... **BBJ** $3.70

Cast ends, into which steel body is carefully fitted, the bottom of oven being protected by cast plates.

LAMP STOVES.



No. 10 REV-O-NOC.



No. 20 REV-O-NOC.



No. 30 REV-O-NOC.

REV-O-NOC Lamp Stoves, Large Cast Iron Fount Japanned, 4 in. Brass Wick Tubes, Hinged Top Drum, Nickel Plated Top and Under Castings, Handsome Decalcomania "REV-O-NOC" on Front of Base.

		In Full Dozen Lots.		In Lots Less than 12.	
No. 10 REV-O-NOC—One brass burner 4 in. wide, height 9½ in., net w't each 4½ lbs., w't per doz. 66 lbs. ..... per dozen	JGBJ	$12.00	JGHJ	$13.00
No. 20 REV-O-NOC—Two brass burners 4 in. wide, height 10 in., net w't each 8 lbs., w't per doz. 125 lbs. ..... per dozen	ACHJ	23.00	AEJJ	25.00
No. 30 REV-O-NOC—Three brass burners, 4 in. wide, height 10 in., net w't each 12 lbs., w't per doz. 170 lbs. ..... per dozen	BJAJ	33.50	BACJ	35.50

NOS. 10 AND 20, ONE-HALF DOZEN; NO. 30, ONE-THIRD DOZEN IN A CASE.



No. 11 Cruso.



No. 22 Cruso.



No. 33 Cruso.

Cruso Lamp Stoves, Cast Iron Oil Fount Japanned, 4 in. Brass Burner, Hinged Top Drum, Attractive Decalcomania "Cruso" On Front of Base.

		In Full Dozen Lots.		In Lots Less than 12.	
No. 11—Cruso, one brass burner, 4 in. wide, height 8¼ in., net w't each 3¼ lbs., w't per doz. 48 lbs. ..... per dozen	EGJ	$ 9.50	JFCJ	$10.50
No. 22—Cruso, two brass burners 4 in. wide, height 8¼ in., net w't each 5¼ lbs., w't per doz. 80 lbs. ..... per dozen	AJHJ	18.00	AAIJ	19.80
No. 33—Cruso, three brass burners, 4 in. wide, height 9 in., net w't each 8¼ lbs., w't per doz. 116 lbs. ..... per dozen	AFAE	26.90	AGGJ	29.50

NOS. 11 AND 22, ONE-HALF DOZEN; NO. 33, ONE-THIRD DOZEN IN A CASE.



No. 1 Florence.



No. 2 Florence.



No. 3 Florence.

Florence Lamp Stoves, Extra Large Cast Iron Oil Fount, Brass Burners 4 in. wide, Japanned Base, Nickeled Grate and Cone Castings, with Polished Edges, Swing Mica Doors for Lighting—World's Best of Lamp Stoves.

		In Full Dozen Lots.		In Lots Less than 12.	
No. 1—Florence, one brass burner 4 in. wide, height 9½ in., net w't each 5 lbs., w't per doz. 76 lbs. ..... per dozen	AJAJ	$16.80	AJHJ	$18.00
No. 2—Florence, two brass burners 4 in. wide, height 10 in., net w't each 10 lbs., net w't				



STERNO CANNED HEAT.

Sterno Canned Heat is ABSOLUTELY SAFE—it CANNOT EXPLODE. A can of paste that's like cold cream and it is just as safe. All you have to do to use it is take the lid off the can—touch a match to the paste and you have a strong intensely hot flame.

Convenient heat for use in every room in the house. For automobiling, camping, yachting, or excursions. Easy to carry—easy to use.

No. 4006—Cans for No. 4007 Sterno Stove.....per dozen **AJJ** $1.70

STERNO STOVE.



Highly Polished Nickel Plate and rustproof.

A complete outfit for boiling that can be used when automobiling or yachting, or in any room in the house. Can be carried in the handbag. Hot water instantly for shaving or for sterilizing purposes, making coffee, cooking cereals, heating baby's milk and innumerable other uses.

Capacity one pint.

No. 4007—Stove complete, w't 1 lb., 8 oz.....per doz. **JGBJ** $12.00

STERNO DISC STOVE.

Whenever you want to heat a sad iron—boil water, heat a coffee pot—heat anything, here is a handsome little stove that will do it, and quickly. It burns Sterno canned Heat—is safe. 5-in. top surface.



No. 4020—In Polished Nickel Plate. Complete with can of Sterno Canned Heat and extinguisher, w't 1 lb., 9 oz., per dozen .....**JIFJ** $16.00



STERNO TEA KETTLE.

A handsome and serviceable little tea kettle—for hot water or "that cup of tea," just when you want it.

Capacity one and one-half pints.

No. 76—Kettle on stand in Polished ished Nickel, w't 2 lbs., per dozen .....**ABJJ** $20.00

STERNO COOKING OUTFIT.

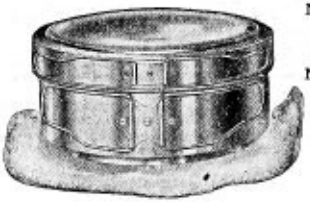


VIEW OPEN—Ready to Use.

This outfit consists of a large can of Sterno Canned Heat, enough to bring fifteen quarts of water to a boiling point, a boiler, a wind shield, a cover which is used as a frying pan or to form a double boiler similar to a chafing dish.

A practical compact outfit with which you may boil, fry, cook a complete light meal or make cofee.

Quart Size, WITH COFFEE MAKER.



VIEW CLOSED.

No. 4015—Polished Aluminum, w't 3 lbs., 4 oz., per doz. **BEBJ** $42.00

No. 4014—Polished Nickel Plate, w't 4 lbs. per doz. **BEBJ** $42.00

No. 4016—Extra cans of Sterno Canned Heat for one quart size, ½ doz. 22 lbs., per dozen $8.00

Pint Size, WITHOUT COFFEE MAKER.

No. 4026—Polished Nickel Plate, w't 2 lbs. 6 oz., per dozen .....**ABJJ** $20.00

No. 4028—Extra cans of Sterno Canned Heat for one pint size, w't ½ doz. 15 lbs.....per dozen **CCE** $5.60

1915 STERNO CAN HEAT ASSORTMENT.

We have made up an introductory assortment of Sterno Canned Heat, packed one in a box with advertising matter. With each assortment we will furnish posters and dummy boxes for window display purposes. The assortment consists of the following—

2 dozen No. 4006 Heat.
½ dozen No. 4007 Stoves.
1-6 dozen No. 76 Kettles.
1-12 dozen No. 4014 Stoves.
1-12 dozen No. 4015 Stoves.
1-6 dozen No. 4016 Heat.
1-6 dozen No. 4026 Stoves.
¼ dozen No. 4028 Heat.
1-6 dozen No. 4020 Disc Stoves.

No. 1915—Sterno Assortment....per assortment **AGAJ** $28.50
Shipping weight 60 pounds.

ALCOHOL STOVES.

ALCOHOL STOVES.



No. 0—"Universal," diam. 6½ in., height 5½ in., nickel plated brass frame, with detachable wind shield, capacity ½ pint, shipping w't per doz. 42 lbs., per dozen **BHHJ** $48.00

These stoves burn a blue blow flame, resembling in appearance the flame of a plumber's fire pot and is in consequence intensely hot.

The corrugated tube contains the wick, absolutely protected. The outside is surrounded by the flame, turning the alcohol in the wick into gas, which is mixed with the air, causing perfect combustion, and making the blow flame. A big saving in alcohol, also absolutely smokeless and odorless.

We recommend denatured alcohol, as it cannot explode, and is also economical as well, and is far superior to kerosene and gasoline, at the same time odorless, clean and safe.

After turning down with the thumb screw the collar containing corrugated tube, take two or three strokes of the little pump and apply a lighted match to the alcohol which has been pumped into the disc at base of burner. This will generate gas in a few seconds. Regulate by turning thumb screw.

ONE-HALF DOZEN IN A WOOD BOX

ALCOHOL STOVES.



No. 1020—Mayflower, alcohol, brass, diam. 3 in., folding, w't per doz. 2 lbs. .....per dozen **AHJ** $2.50

This stove is brass and should not be confounded with the cheap lacquered tin imitations on the market.

GLOGAU'S ALCOHOL STOVES.



No. 75—Nickel plated brass body and bottom, nickel plated steel frame, w't per doz. 7 lbs., per dozen **EGJ** $8.50

For travelers, sick room, camping dish; manufactures its own gas by first vaporizing the alcohol, produces more heat than any other style of alcohol stove, and consumes only one-eighth the usual amount of fuel; absolutely safe—explosions cannot occur; wick is invisible and never requires renewal. It is smokeless, odorless, and forms no soot; burns as steadily as a regular gas stove; can support a vessel weighing 100 lbs.; capacity of reservoir 7 oz., making it unnecessary to refill every time the stove is lighted; never out of order, easily operated. To obtain the best results, the best spirits procurable should be used.

GLOGAU'S ALCOHOL STOVES.



Showing handles open.

Showing handles closed against the boiler.

No. 175—Knock down style, the legs being removable as shown in cut, so as to pack inside of a tin boiler, w't complete with boiler 14 lbs. per doz., otherwise same as No. 75, per dozen .....**JHDJ** $14.00

No. 175A—With aluminum boiler, otherwise same as No. 175, per dozen .....**AECJ** $25.50

ONE IN A BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

GUARANTEED GAS STOVE, LAMP TUBING AND GAS HOSE COCKS.

RED C. I. GAS TUBING.



No. 40—⅜ in., red cloth insertion with black inner tube, w't per 100 ft. 16 lbs. .....per foot **J G** $0.11
Especially adapted for gas.

FIFTY FEET IN A BOX.

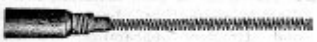
REX RUBBER TUBING.



Rex—Silkoline covered, ⅛ in. inside diameter, with 3-32 in. wall, put up in boxes of 150 ft. lengths, so dealer can cut any desired length, in continuous lengths....per foot **J F** $0.10

This is the only tubing that can be used for stoves, lamps or cigar lighters. It is of pure rubber center covered with a composition of glycerine gum, etc., to make it absolutely gas proof and then covered with silkoline, and is at all times durable, ornamental and flexible.

REX PATENT STOVE ENDS.



Rex—The best and only stove end that prevents the tube from kinking at the ends, or shutting off the gas in the most vital spot in the tube while in use .....per pair **J H** $0.14
Rex Ends for Lamps, per pair **J F** $0.10

FLEXIBLE STEEL TUBING FOR STOVES.



Steel Tubing—Indestructible, ⅛ in. diameter, gas tight and absolutely safe from crushing, leakage or breakage, furnished in 2 to 10 ft.—except 9 ft.—lengths .....per foot **J F** $0.13

This is the latest and best tubing for the purpose made and is fully guaranteed.

STOVE TUBING.

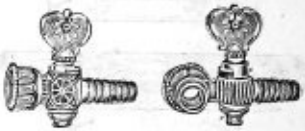


No. 39—2 dip, diameter about ½ in., furnished in 2, 3, 4, 5, 6, 7, 8, 9, 10 or 12 ft. lengths....per foot **J D** $0.07

This is a splendid guaranteed tubing ready for use. Is good for artificial as well as natural gas.

The interior is a galvanized iron wire coil, covered with cloth then dipped with heavy solution of composition, then again dipped in composition, and finally covered with a splendid quality of yarn, braided close.

GAS HOSE COCKS.



No. 1. No. 2.

No. 1—⅜ in., straight, cast brass, w't per doz. 3 lbs. ..per dozen **B A J** $3.00

No. 11—½ in., otherwise same as No. 1, per dozen .....**B C E** $3.50

No. 21—¾ in., otherwise same as No. 1, per dozen .....**C J J** $5.00

No. 2—⅜ in., independent, cast brass, w't per doz. 4 lbs., per dozen .....**B G J** $4.00

No. 12—½ in., otherwise same as No. 2, per dozen .....**C J J** $5.00

The size given is the inside diameter of gas pipe for which these cocks are intended. The straight cock is for use where only a connection to the stove is desired. The independent cock permits the use of a gas lighting fixture to the same pipe. Ordinary gas hose will fasten securely.

STOVE TUBING.



No. 38—Diameter ⅜ in., galvanized wire center, with cotton cover, and a fine gelatine composition, covered with beautiful designs in yarn, furnished in any length from 2 to 12 ft., —except 9 and 11 feet, per foot .....**J C** $0.05½

This is a splendid single dip stove tubing—fully guaranteed for one year.

GAS HOT PLATES.

FOR ARTIFICIAL GAS.



Description—Utility hot plates have a plain wide top, with no carving. They are further strengthened by having a cast center bar between each grate. This connection makes the strongest hot plate possible. The grates are cast separately and bolted into the top so that they are not continually falling off when being handled, thus preventing loss and inconvenience from breakage.

Burners are one-pieced star burners, with adjustable mixers. One giant burner with each hot plate. Heavy barrel stop cocks provided. Supply pipe polished and nickel plated.

Black, With Star Drilled Burners.

No. 220—2 burners, size 13x23 in., w't 22 lbs. .....each **BDJ** $4.00

No. 230—3 burners, size 13x34 in., w't 29 lbs. .....each **CJJ** $5.00

Nickel Plated, With Star Drilled Burners.

No. 2200—2 burners, size 13x23 in., w't 22 lbs. .....each **CAJ** $5.20

No. 2300—3 burners, size 13x34 in., w't 29 lbs. .....each **DBJ** $7.00

Black, With Star Drilled Burners and Galvanized Tray.

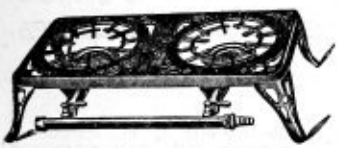
No. 220T—2 burners, size 13x23 in., w't 23 lbs .....each **BFE** $4.40

No. 230T—3 burners, size 13x34 in., w't 30 lbs. .....each **CCJ** $5.50

Nickel Plated, With Star Drilled Burners and Galvanized Tray.

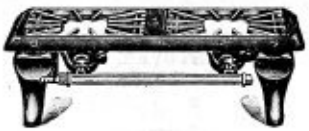
No. 2200T—2 burners, size 13x23 in., w't 23 lbs. .....each **CCJ** $5.50

No. 2300T—3 burners, size 13x34 in., w't 30 lbs. .....each **DEJ** $7.50



No. 26—Prize, black finish, 8x16x5 in., two two-piece burners, w't each 13 lbs., each .....**AAE** $1.90

Simple and light in construction.



Description — Eriez Hot Plates, Nos. 101, 102 and 103, are similar in construction to Utility hot plates.

Plain design with reinforcing center bar. Star shaped one-piece burners furnished. Nickeled supply pipe.

Black, With Star Drilled Burners.

Nos.	101	102	103
Burners	1	2	3
Size, in.	10½x10½	10½x20	10½x30
W't, lbs.	10	16	23
Each	$1.60	3.00	4.00
	JIE	**AHJ**	**BDJ**

Nickel Plated, With Star Drilled Burners.

Nos.	1020	1030
Burners	2	3
Size, in.	10½x20	10½x30
W't, lbs.	16	23
Each	$4.00	5.50
	BDJ	**CCJ**

ONE IN A CRATE.



Black, With Star Drilled Burners and Galvanized Tray.

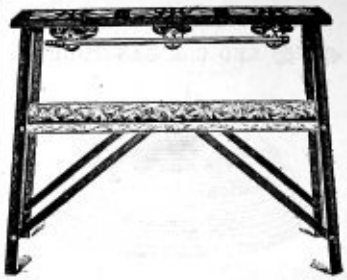
Nos.	101T	102T	103T
Burners	1	2	3
Size, in.	10½x10½	10½x20	10½x30
W't, lbs.	11	17	24
Each	$1.84	3.50	4.50
	AAJ	**BAJ**	**BGJ**

Nickel Plated, With Star Drilled Burners and Galvanized Tray.

Nos.	1020T	1030T
Burners	2	3
Size, in.	10½x20	10½x30
W't, lbs.	17	24
Each	$4.50	6.00
	BGJ	**CFJ**

These plates are shown with galvanized dirt trays. The trays are made of heavy galvanized iron with rim folded up so as to catch anything boiling over. The trays are removable and are held firmly in position by the hot plate feet. These trays further serve to protect the floor or table from the heat of the burners.

ONE IN A CRATE.



Description—Elevated Hot Plate, frames are 28 in. high, made of heavy angle irons, reinforced with eight cross braces of ⅜x⅜ in. iron. The legs are furnished at the bottom with a cast foot. The legs and braces are finely japanned.

Shelf—Galvanized iron, is strong and neat. The shelf extends underneath all the burners so as to catch anything dropping from above.

In many sections insurance underwriters object to low hot plates on account of the possibility of fire. As a laundry stove these plates have no equal.

Extra Elevated Stands For

Nos.	102 and 1020	103 and 1030	220 and 2200	230 and 2300
Each	$2.00	2.50	2.50	2.80
	ABJ	**AEJ**	**AEJ**	**AGJ**

Above prices are for stands only.

SHIPPING WEIGHT 10 LBS. EACH; EACH FRAME IS CRATED KNOCKED DOWN, COMPLETE WITH SCREWS; ONE IN A CRATE.

JUNIOR GAS HOT PLATES.



No. J00—Made of good material, nickel dipped, presenting always a clean and attractive appearance, one cast burner, diameter of rest 5½ in., approximate w't 1½ lbs., each **AB** $0.20

Very useful in nursery, dressing room, sick room, in fact indispensable in any home. Gives a good heat and always operates satisfactorily.

OIL HEATING STOVES.



Blue Steel Drums, Full Nickel Trimmed.

No. 37A REVONOC—Height (floor to top of bail) 31 in., diam. of drum 8 in., main top, hinge ring, base and legs full nickeled, takes No. 3 Rochester lamp wick, capacity of fount 4 qts., w't each 19 lbs. .....each **CEE** $6.40

No. 37AB REVONOC—Full brass fount, otherwise same as No. 37A REVONOC. each . ..... **CHJ** $7.20

No. 37B REVONOC—Japanned trimmed, height (floor to top of bail) 31 in., diam. of drum 8 in., takes No. 3 Rochester lamp wick, capacity of fount 4 qts., w't each 18 lbs., each . ..... **BHJ** $5.40



Blue Enameled Drum, Full Nickel Trimmed.

No. 61 REVONOC—Height (floor to top of bail) 30 in., diam. of drum 8 in., main top, hinge ring, base legs full nickeled, takes No. 3 Rochester lamp wick, capacity of fount 4 qts., w't each 21 lbs. .....each **DFJ** $7.70

No. 62 REVONOC—Full brass fount, otherwise same as No. 61 REVONOC. each . ..... **EBJ** $8.70

DETAIL OF ALUMINO BURNER AND FOUNT.

A—Flame spreader. B and C—Air space outside and inside of wick-cool. D—Wick, circulation of air on both sides, cannot become hot. E—Outside casing of burner. F—Air space between fount and outer casing. H—Feed pipe conducting oil from fount to burner.



Description—The material is the finest quality cold rolled polished steel plate, and sheet brass.

Safety in Operation—The wick does not turn down directly into the fount (like all others), but is retained in a separate receptacle, supplied with just enough oil through small tube in bottom, making explosions impossible.

Smokeless—See simple attachment at end of wick raiser. All burners are tested and smokeless device set at right height before leaving factory.

Re-wicking—Loosen the knob at end of wick raiser, turn wick up as far as it will go, pull out wick tube, take off old wick, slip on new one and replace in burner. Clean and convenient.

Indicator—Cork float, simplest.

Finish—Highly nickeled to a mirror finish. **Top**—Removable.



No. 24—Blue polished steel body, fount of heavy steel, covered with composition to prevent rust, fitted with patented anti-smoke device, oil indicator, takes No. 3 Rochester wick, japanned top, center and bottom rings, steel legs, drum artistically decorated and fitted with mica window enclosed in an aluminum frame and name plate, height with bail 28 in., capacity of fount 3 qts., w't each 12 lbs., each . .....**BBJ** $4.40



Safety Fount and Burner.

No. 1J—8 in. circular wick, height (bail down) 27 in., diam. of drum 7 in., capacity of fount 2 qts., w't each 17 lbs. .....each **CCE** $5.60

No. 2J—10 in. circular wick, height (bail down) 28 in., diam of drum 8 in., capacity of fount 3 qts., w't each 20 lbs. .....each **DEJ** $7.50



Safety Founts and Burners.

No. 3J—15 in., circular wick, height (bail down) 33 in., diam. of drum 10 in., capacity of fount 5 qts., w't each 30 lbs. .....each **IFII** $11.90

GAS HEATING STOVES, GAS HEATERS AND GAS JET HEATING DISCS.

REVONOC GAS HEATING STOVES FOR ARTIFICIAL GAS.



Best Polished Steel Body, German Lava Tips, Full Nickel Trim, Copper Reflector with Wire Guard, Burners With or Without Flue Connection.

	Height	Width	Depth	Weight		Each
No. 192	20½ in.	12 in.	9½ in.	10 lbs.	CJE	$5.30
No. 193	22½ in.	14 in.	11 in.	13 lbs.	CHE	$6.40
No. 194	23½ in.	16 in.	11 in.	14 lbs.	DBE	7.10
No. 195	26½ in.	20 in.	11 in.	17 lbs.	DFJ	7.80

The REVONOC Gas Heater is furnished with special burner construction which is mechanically perfect, and the only one of its kind on the market. All the holes for the lava tips are in a depression so that an even bearing is given the tips.

The valve is so fitted that it is possible to make a connection from any angle of the room.

The body is reinforced at the top and bottom and the back and sides are of one piece steel, making the heater very rigid. The steel used is non-corrosive material on which the action of gas has little effect.

The REVONOC has been approved by the United Gas Imp. Co. of Philadelphia, which is the best evidence of its high quality and adds to its salability.

Can be furnished from factory for burning natural gas at same prices.

No odor, no soot, German lava tips, considered the best for a heater of this kind.

ONE IN A FIBRE CARTON.

GAS JET HEATING DISCS.



No. K44—Blued steel disc, diam. 7 in., burner and pipe of spun brass, will fit any standard gas jet, shipping w't per doz. 10 lbs.....per dozen **CJJ** $4.50

Burns a solid blue flame and will not accumulate dirt or dust. Top is flat with a flange around edge, so it will hold a pan. The hole in side of disc will hold a curling iron.

ONE IN A CARTON.

KOST GAS HEATERS.



No. 3.

No. 3—Jet heaters, nickel plated, single top, diam. 10 in., each .....**AJJ** $2.00



Nos. 1 and 2.

No. 1—Floor, full nickel plated, except drums, single top, diam. 10 in. .....each **BJJ** $3.34

No. 2—Floor, full nickel plated, except drums, double top, diam. 11 in. .....each **BDJ** $4.00

These heaters are used all over the country, wherever there is gas. Will burn natural or artificial gas, no dirt, smoke nor odor. Recommended by the medical profession and used in hospitals, sanitariums, churches, schools, halls, stores and offices as well as in thousands of private homes. Will fit any gas jet.

ONE IN A CARTON.

ADJUSTABLE STOVE REPAIRS AND CISTERN COVERS.

Discount—

No. 1 Quality—CJ%.
No. 2 Quality—DE%.

MICA.

North Carolina.

Inches.	Per lb.	Inches.	Per lb.
2 x2	$ 3.50	4 x4½	$11.00
2 x2½	4.00	4 x5	11.25
2 x3	5.00	4 x5½	11.50
2 x3½	6.00	4 x6	12.00
2 x4	7.00	4 x6½	12.25
2 x4½	7.50	4 x7	12.50
2 x5	8.00	4 x8	13.50
2½x2½	5.75	4½x4½	11.25
2½x3	7.00	4½x5	11.50
2½x3½	7.75	4½x5½	12.00
2½x4	8.50	4½x6	12.50
2½x4½	9.00	4½x7	13.50
2½x5	9.50	4½x8	14.50
2½x5½	9.75	4½x9	15.50
2½x6	10.00	5 x5	12.00
2½x7	10.25		
2½x8	10.50	5 x6	13.00
3 x3	8.50	5 x6½	13.50
3 x3½	9.00	5 x7	14.50
3 x4	10.00	5 x8	15.50
3 x4½	10.25	5 x9	17.50
3 x5	10.50	5 x10	22.00
3 x5½	10.75	6 x6	15.00
3 x6	11.00		
3 x7	11.25	6 x7	17.00
3½x3½	10.00	6 x8	20.00
3½x4	10.50	6 x9	23.00
3½x4½	10.75	6 x10	32.00
3½x5	11.00	7 x7	22.00
3½x5½	11.25	7 x8	24.50
3½x6	11.50	7 x9	27.00
3½x6½	12.00	7 x10	34.00
3½x7	12.25	8 x8	27.00
3½x8	12.50	8 x9	32.00
3½x9	13.50	8 x10	37.00
4 x4	10.75		

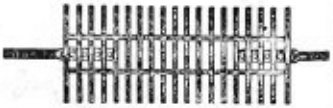
DIAMOND FIRE BACKS.



No. 6—Adjustable from 4½x15 in. to 7x20 in., w't per doz. 110 lbs., per dozen .....**JGHJ** $13.00

These backs are so constructed that no bolts are used and the dovetail is above the fire where it never becomes hot and will not warp. The flange that fits along oven plate is on a straight line and makes an air-tight joint. This prevents the ashes from accumulating between the oven plate and back wall, a feature no other extension back possesses.

BOTTOM GRATES.



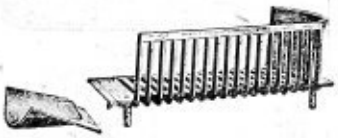
Wichita Bolted Shank, Adjustable.

No. 2—6x14 in., reduces to 4x9 in., w't per doz. 66 lbs., per doz. **DHJ** $8.00

No. 3—6½x16 in., reduces to 4x9 in., w't per doz. 78 lbs., per doz. **DHJ** $9.30

This bottom grate is an excellent substitute for the original bottom grate.

BASKET GRATES.



HIRD'S, Used to Burn Coal in a Wood Stove.

No. 8—Full size 7½x18 in., reduces to 6x15 in., w't per doz. 144 lbs., per dozen .....**AJCE** $17.25

No. 78—Right and left ends for above, w't per pair 5 lbs., extra per set .....**CF** $0.60

Always state if end linings are wanted as we do not send end linings unless so ordered. This grate can be used successfully to burn coal in a wood cook stove.

★*FOR FACTORY SHIPMENT ONLY.*

DIAMOND COOK STOVE DAMPERS.



No. 173—Adjustable blade, 9x3½ in., reduces to 5½x2 in., w't per doz. 22 lbs. .....per dozen **BGJ** $4.50

This damper will fit all stoves having a turnover damper. It can be put in without taking stove apart and by any one easily. The handle can be put in from either end, thus adapting it to any damper that may turn forward or backward. Damper can be set at any point on handle. One damper fits all lengths and sizes.

ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES.

CISTERN COVERS.



No. 19—Diam. opening 19 in., diam. frame 27 in., depth flange 3 in., w't 90 lbs.★ .....each **DBJ** $7.00

No. 1—Diameter of opening 17½ in., depth 2¾ in., w't 42 lbs., each★ .....**AEJ** $2.50

No. 2—Diameter of opening 19½ in., depth 3 in., w't 56 lbs., each★ .....**BAJ** $3.50

No. 3—Diameter of opening 23¾ in., depth 3½ in., w't 105 lbs., each★ .....**CCJ** $5.50

Nos. 1, 2 and 3—F. O. B. Urbana, Ill.

STOVE SUNDRIES AND GALVANIZED STEEL TANKS.

STOVE URNS.



No. 1438.



No. 1581.

No. 1438—All nickeled, height 7½ in., base 2½ in., body 2⅞ in., per dozen .....**BAE** $3.60

No. 1581—Base and top shells gold, body and neck jap bronze, arms and tip gold, height 9½ in., base 3 in., body 2¾ in., arms 5⅛ in., per dozen .....**EJE** $8.40



No. 1276.



No. 1427.

No. 1276—Base and top shells gold, body jap bronze, arms and tip gold, height 8⅜ in., base 3 in., body 2¾ in., arms 6 in. .....per dozen **CJJ** $5.00

No. 1427—Base and neck shells gold, body and top jap bronze, arms and tip gold, height 10¾ in., base 3½ in., body 3⅜ in., arms 7⅝ in., per dozen .....**EGE** $9.60



No. 1513.



No. 1571.

No. 1513—Base ring and neck shells gold, body and top jap bronze, arms and tip gold, height 12¾ in., base 3¼ in., body 3¾ in., arms 8⅝ in., per dozen .....**AJHJ** $18.00

No. 1571—Base and top shells gold, body jap bronze, arms and tip gold, height 9 in., base 3¼ in., body 3¾ in., arms 6¼ in. .....per dozen **DBJ** $7.00

STOVE DOOR PULLS AND SPIRAL KNOBS.



No. 3.



No. 1.

No. 2—Coil wire handle, 2¼ in., per dozen .....**CE** $0.60
No. 3—Coil wire handle, 3¼ in., per dozen .....**EJ** $0.80
No. 1—Coil wire knob, 2¼ in., per dozen .....**JFJ** $1.00

NICKELED STOVE KNOBS.



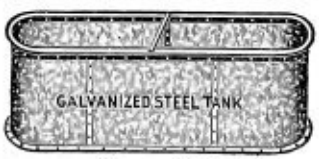
No. 1052.



No. 81.

No. 1051—1 in.....per dozen **BE** $0.40
No. 1052—1¼ in.....per dozen **CJ** .50
No. 1053—1½ in.....per dozen **CE** .60
No. 1054—1¾ in.....per dozen **DJ** .70
No. 81—Nickel head, ⅞x2 in., per dozen .....**BE** $0.40

RD. END WATERING TROUGHS.



Discount **EF**%.

No.	W'th Ft.	H't Ft.	L'th Ft.	Cap. Gals.	W't Lbs.	Each.
101★	2	2	4	91	74	$ 9.00
102★	2	2	5	117	88	10.50
103	2	2	6	144	102	11.50
104★	2	2	7	170	121	13.00
105★	2	2	8	197	135	14.25
106★	2	2	10	250	166	18.00
107★	2	2½	8	246	151	15.00
L★	2½	2	5	145	93	12.00
M ★	2½	2	6	178	110	13.00
N ★ ..	3	2	6	213	134	15.00
108★	2½	2	8	245	141	16.00
109★	2½	2	10	312	177	19.00
111★	3	2	8	295	156	17.00
112★	3	2	10	384	185	19.50
116★	4	2	8	386	169	18.50
117★	4	2	10	496	203	23.00
118★	4	2	12	606	243	29.00
120★	4	2	16	826	320	37.50
127★	5	2	16	1072	375	40.00
129★	6	2	8	550	215	27.50
130★	6	2	10	813	262	30.50
131★	6	2	16	1218	427	45.00

The above tanks are shipped set up ready for use.

Made of best Apollo Bloom sheets, 20 gauge, galvanized strap on all inside seams, making tanks anti-rust.

Entire Column **EF**%.

RD. STOCK WATERING TANKS.



All Inside Straps Made from Galvanized Flat Bars making a Rust Proof Tank.

No.	Diam. Ft.	H't Ft.	Cap. Gals.	W't Lbs.	Each.
1★	3	2	91	69	$ 9.00
2★	4	2	166	97	11.00
3★	4	2½	215	106	12.50
4★	4	3	254	115	14.00
5★	4	4	338	145	16.50
6★	4	5	423	168	19.00

All of the above sizes set up ready for use.

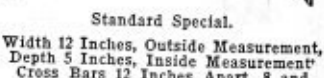
HOG AND WATERING TROUGHS.



No.	W'th in.	H't in.	L'th Ft.	Cap. Gals.	W't Lbs.	Each.
897★	14	7	2	6	20	$ 3.50
898★	14	7	3	9	25	4.00
900★	14	7	6	18	40	5.25
903★	14	7	10	30	65	7.80
906★	23	11½	8	72	71	8.50
909★	26	13	10	120	101	12.00
913★	36	18	10	235	137	16.50

Round bottom, will not leak or rust out, have steel trusses to set on and to fasten down ready for use.

Nos. 897 to 903 Hog Troughs have bar straps every 12 inches to keep hogs from pushing.



Standard Special.

Width 12 Inches, Outside Measurement, Depth 5 Inches, Inside Measurement Cross Bars 12 Inches Apart, 8 and 10 Ft. Lengths Have Center Support.

Nos.	925	926	927
Length, ft.	2	3	4
Cap., gal.	4	6	8
W't, lbs.	7	10	12
Each	$1.60★	2.00★	2.40★
Nos.	**928**	**929**	**930**
Length, ft.	6	8	10
Cap., gal.	12	16	20
W't, lbs.	16	22	27
Each	$3.20★	4.00★	4.80★

Made of best Apollo Bloom Sheets, 20 gauge, galvanized strap on all inside seams, making tanks anti-rust.

★*SHIPPED FROM FACTORY ONLY NORTHERN INDIANA OR NO. EASTERN IOWA.*

FURNACE, CALDRON KETTLES, ETC.

Entire page DJ—AJ%.

ALL CAST FURNACE AND CALDRON.



MOTT'S PATTERN.

Best Quality Iron, All Castings Uniform in Thickness, Preventing Damage by Unequal Contraction and Expansion.

For Wood Only.

Nos.	150W	220W	300W	450W	600W
Capacity, gals.	15	22	30	45	60
W't, lbs.	201	250	306	369	475
Each	$16.80★	2100★	25.50★	31.50★	39.50★

For Coal.

Nos.	150C	220C	300C	450C	600C
Capacity, gals.	15	22	30	45	60
W't, lbs.	233	293	351	420	552
Each	$19.40★	24.40★	29.20★	35.50★	44.70★

The flues are so constructed that instead of going direct to smoke outlet, the heat is thrown evenly against all sides of the caldron.

SPECIAL FURNACE AND CALDRON.



For Wood Only.

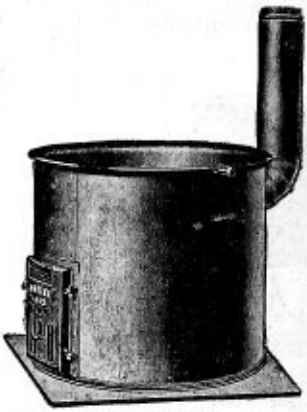
Nos.	151W	221W	301W	451W	601W
Capacity, gals.	15	22	30	45	60
W't, lbs.	146	193	233	283	376
Each	$15.00★	18.80★	23.50★	28.50★	36.50★

For Coal.

Nos.	151C	221C	301C	451C	601C
Capacity, gals.	15	22	30	45	60
W't, lbs.	178	236	278	334	453
Each	$17.60★	22.20★	27.20★	32.50★	41.70★

The base and fire box are identically the same as on the all-cast pattern shown above, except the upper or caldron section is made of heavy, cold rolled boiler plate steel, instead of cast iron, saving considerably in cost of manufacture.

ANTLER FEED COOKER AND CALDRON.



For Wood Only.

Nos.	152W	222W	302W	452W	602W	752W
Cap., gal.	15	22	30	45	60	75
W't, lbs.	110	137	166	204	277	322
Each	$9.80★	13.00★	14.60★	18.50★	23.50★	26.00★

For Coal.

Nos.	152C	222C	302C	452C	602C	752C
Cap., gal.	15	22	30	45	60	75
W't, lbs.	145	185	214	259	329	377
Each	$13.00★	15.20★	17.80★	22.50★	27.50★	30.00★

Made of good material by expert workmen to fill a call for a good feed cooker at a low price, enabling the merchant to meet any competition. Pipe and elbow shown on cut not furnished.

CALDRONS.

To Fit Mott's Pattern, Special or Antler.

Nos.	15C	22C	30C	45C	60C	75C
Cap., gal.	15	22	30	45	60	75
Each	$4.30★	5.80★	7.70★	10.00★	14.50★	18.00★

These are smooth and perfect caldrons. Heavy lugs and flanges around top to hold securely in position. Do not compare this high class caldron with the ordinary cheap unfinished kind.

GALVANIZED IRON COVERS.

Nos.	1C	2C	3C	4C	6C	7C
Cap., gal.	15	22	30	45	60	75
Each	$1.10★	1.20★	1.40★	1.80★	2.00★	2.20★

All furnaces shipped complete and fitted for wood unless otherwise specified.

Extras not shipped unless specified.

ASH PIT DOORS.



Nos.	10	11	12	14	16
Size, in.	8x8	8x10	10x12	12x15	16x20
W't per doz., lbs.	113	122	157	207	385
Per dozen	$9.50	10.40	14.00	20.00	50.00

The doors are made of the best iron for this purpose, strong smooth, well fitted and japanned. They are used for ash pits in dwellings, stores, etc., where necessary to keep pits securely closed.

★*FOR FACTORY SHIPMENT ONLY, SOUTHERN INDIANA.*

FARM BOILERS, SUGAR AND CALDRON KETTLES, AND TANK HEATERS.

SOLON FARM BOILERS.



For Wood.

For Wood.

Nos.	1	2	3
Capacity, gal.	25	33	41
W't, lbs.	140	160	200
Each	$16.50★	19.20★	20.50★
	JIIJ	AAEJ	ABCJ

Nos.	4	5	6
Capacity, gal.	48	53	58
W't lbs.	200	250	250
Each	$22.50★	25.00★	26.80★
	ACEJ	AEJJ	AFAJ

Nos.	7	8
Capacity, gal.	65	75
W't lbs.	300	350
Each	$30.00★	35.50★
	AHJJ	BACJ

Nos.	9	10
Capacity, gal.	90	110
W't lbs.	430	470
Each	$43.75★	49.50★
	BFBE	BIGJ

For Coal.

Nos.	11	12	12
Capacity, gal.	25	33	41
W't, lbs.	140	160	200
Each	$21.00★	24.00★	25.50★
	ABFJ	ADDJ	AECJ

Nos.	14	15	16
Capacity, gal.	48	53	58
W't lbs.	200	250	250
Each	$28.00★	30.00★	32.00★
	AFHJ	AHJJ	AIBJ

Nos.	17	18
Capacity, gal.	65	75
W't, lbs.	300	350
Each	$35.80★	42.30★
	BADH	BEDJ

Nos.	19	20
Capacity, gal.	90	110
W't, lbs.	430	470
Each	$50.50★	56.00★
	CJCJ	CCFJ

The shell is made from heavy sheet steel, with edges banded, and no bottom. Provided with double doors so that it can be conveniently used as a coal burner when supplied with coal fixtures.

CALDRON KETTLES.



Capacity, gal.	25	33	41
Diam. outside flange, in...	28	31	34
Diam. inside flange, in...	24	28	30
Depth inside, in.	16	16	19
W't, lbs.	85	112	137
Each	$6.00★	8.00★	10.00★
	CFJ	DGJ	JFJJ
Capacity, gal.	**48**	**53**	**65**
Diam. outside flange, in...	35	36	39
Diam. inside flange, in...	31	32	34
Depth inside, in.	19	20	20½
W't, lbs.	148	170	197
Each	$12.00★	13.00★	14.00★
	JGBJ	JGHJ	JHDJ
Capacity, gal.	**75**	**90**	**110**
Diam. outside flange, in...	41	43	46
Diam. inside flange, in...	36	38	42
Depth inside, in.	22	22	23
W't, lbs.	223	288	317
Each	$18.00★	25.00★	30.00★
	ABIE	AHJJ	BAFJ

SUGAR KETTLES.



Bailed.

Nos.	1	2	3	4
Act'l cap., gal.	8	10½	15	18¼
Usual rat., gal.	10	13	18	20
Inside, diam. in.	16	18	20¼	22
Inside dpth, in.	11	12	13½	13¼
W't lbs.	25	30	35	45
Each	$2.00	2.60	3.24	4.30
	ABJ	AEE	AIE	BFJ
Nos.	**5**	**6**	**7**	**8**
Act. cap, gal.	21½	25½	29½	39
Usl. rat, gal.	25	30	32	40
Inside diam.	23	25	26	30
Inside depth	14¼	15½	16	19
W't, lbs.	55	67	75	110
Each	$4.70	5.80	6.80	10.20
	BHJ	CEJ	DAJ	JFAJ

Without Bail.

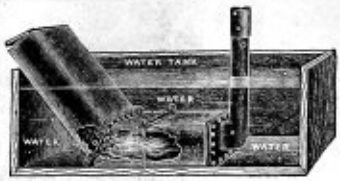
Nos.	110	112	115
Act'l cap., gal.	8	10	12
W't, lbs.	22	30	35
Each	$1.60★	1.80★	2.40★	2.70★
	JHE	JIE	ABE	ADE
Nos.	**120**	**125**	**130**	**135**
Act'l cap., gal.	15	20	25	30
W't, lbs.	43	62	82	88
Each	$3.50★	4.60★	6.00★	6.50★
	AGJ	BBJ	BIJ	CDJ

Add for bail and specify "with Bail," each ..... AH $0.30

For shipment from Nashville, Tenn.

★*FOR FACTORY SHIPMENT ONLY.*

TANK HEATERS.



No. 320—Heavy galvanized iron, cast iron flanges, cast iron smoke pipe reaching above water line, heat chest square box 30 in. long, 12 in. wide, 8 in. high, fuel box same size joined to heat chest at incline of 45 degrees, with coal grate, w't each 95 lbs., each★ ..... JHGJ $14.50

No. 321—Without coal grate, w't each 85 lbs., otherwise same as No. 320, each★ ..... JGEJ $12.50

This tank heater has a lift cover in which is the draft slide. The cast iron grate is made for heaters intended for burning coal. Where other fuel is used no grate is required. It will burn 30 in. wood. This will heat the water in less than half the time and with less than half the fuel required by others, due to the fact that the entire heating surface is under the water. The top is flat and low down and forces the heat to spread in passing through the heater.. Ten and one-half in. water in the tank will cover the heat chest.

TANK HEATERS.



No. 330—20 gauge galvanized iron, height 24 in., horizontal section of heater 30 in. long, 12 in. wide, 8 in. high, inclined section is same size as horizontal, the two sections are connected by electrically welded flanges, making them absolutely water tight, heater cover and smoke pipe gray iron, cover has draft slide, a removable cast iron basket grate is used by means of which fire can be lifted from heater undisturbed when necessary to remove ashes, will burn any kind of fuel, w't each 75 lbs.....each JHDJ $14.00

TANK HEATERS AND DEFLECTORS.



No. 100.

No. 100—Double seamed galvanized body, height 26 in., diameter 16 in., cast top, removable grate, complete with spark arrester, side rods and forks, w't 55 lbs.....each **BHJ** $4.70

No. 200—Diameter 19 in., height 26 in., w't 70 lbs., otherwise same as No. 100, each .....**DDJ** $7.30



No. 10.

No. 10—Double seamed galvanized sheet steel body, height 26 in., diameter 16 in., cast top with lift-off cover, basket grate which can be lifted out, complete with side rods, spark arrester and poker, w't 55 lbs., each .....**CHJ** $5.70

No. 20—Diameter 19 in., height 26 in., w't 65 lbs., otherwise same as No. 10, each .....**EAE** $8.60



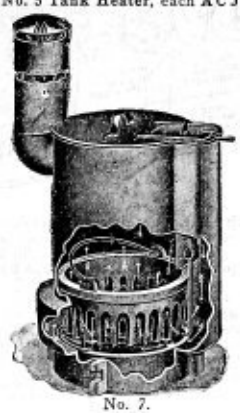
No. 4.

No. 4—Cast iron body, cast in one piece, height 26 in., diameter 14 in., cast top with lift-off cover, basket grate which can be lifted out, complete with side rods, spark arrester and poker, without deflector, w't 105 lbs., each .....**EHJ** $8.80

No. 5—Diameter 18 in., height 26 in., w't 130 lbs., otherwise same as No. 4, each .....**JGEJ** $12.50

DEFLECTORS.

For No. 4 Tank Heater, each **JIE** $1.20
For No. 5 Tank Heater, each **ACJ** 1.50



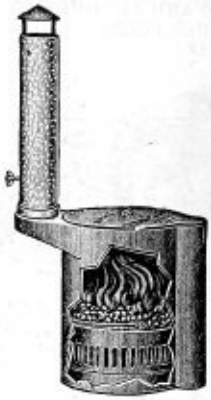
No. 7.

No. 7—Iron King, diameter 14 in., height 26 in., cast iron top, w't 140 lbs. .....each **JGHJ** $13.00

No. 8—Iron King, with weight casting which anchors the heater in the bottom of a galvanized or wood tank without the use of stay rods, otherwise similar to No. 7, w't 180 lbs., each .....**JIJJ** $15.00

The Iron King is the latest and best cast heater made. The body is in one piece, the draft chamber being separated from fire pot by a steel partition. The draft opens at the lower end into the drum-shaped portion of the body casting surrounding the basket grate, assuring an abundance of draft at all times. This heater has a cast-iron ash pan and a grate shaker.

★*FOR FACTORY SHIPMENT ONLY.*



No. 300—Hot Stuff, cast iron, no seams to leak, smoke pipe galvanized iron with hood and damper, height 24 in., diameter 12 in., w't each 120 lbs., each★ .....**DAJ** $6.80

The whole top lifts off and the smoke pipe is on inside of flange so that creosote from ashes and smoke is carried back into the heater instead of running down into the water, which might poison the stock. The cold air draft chamber can be entirely closed by turning lid, making a perfect draft regulation. The ashes can be removed without disturbing the fire or removing the heater from the tank.

This heater is guaranteed not to crack and not to float.

F. O. B. Northern, Ind.

No. 310—Cast iron, guaranteed not to crack or rust out, no seams to leak, entire top lifts off giving a 13 in. opening through which to feed fuel, height 24 in., diameter 14 in., w't each 175 lbs.★ .....each **JFJJ** $10.00

The cold air draught pipe is outside the heater and cannot become heated, insuring perfect combustion.

Smoke pipe is made of galvanized iron fitted with hood and damper. Weight of heater keeps it at bottom of tank without fastening it down.

This heater will keep 100 barrels of water from freezing with temperature of 10 degrees below zero.

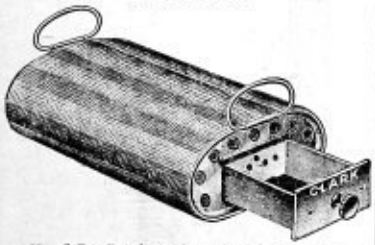
Condensation is kept up by a secret process whenever there is fire in this heater.

This moisture evaporates through smoke pipe and kills live sparks so that danger of fire is reduced to a minimum. This heater will last a lifetime.

★*F. O. B. Northern Ind.*

CLARK CARRIAGE HEATERS.

CARRIAGE AND AUTOMOBILE HEATERS.



No. 5-B—Carriage, length 12 in., covered with fine Brussels carpet, w't 4 lbs., each .....**ADJ** $2.30

Light and handy. Heats very quickly with a mild and comfortable temperature. Used extensively by mail carriers and milkmen.



Covered with Best Grade Green Carpet, Asbestos lined Throughout, Patent Adjustable Ventilators.

No. 127—Carriage, length 14 in., w't 7 lbs. .....each **ADE** $2.40

No. 9-A—Automobile, length 20 in., w't 10 lbs. .....each **BAJ** $3.50

These heaters are popular sellers wherever shown, and are strong and durable. They have cast ends with steel rods extending all the way through, making them practically indestructible.

ONE-HALF DOZEN IN A CASE.



No. 3-D—Carriage, length 14 in., covered with Brussels carpet, with braid binding, fine asbestos lining, ends are triple strength white metal, easily cleaned by brushing, w't 7 lbs., each .....**AHJ** $3.00

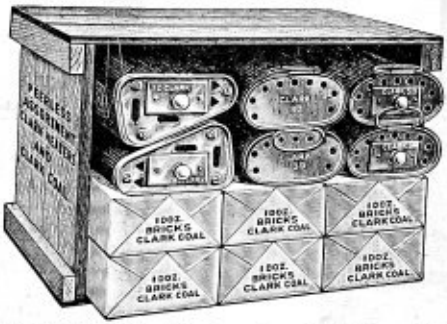
One of the most popular sellers, very strong and durable.



No. 7-D—Carriage, length 14 in., covered with superior Brussels carpet, side and end ventilators, cold drawn steel ends, heavily nickel plated, w't 9 lbs., each .....**BAJ** $3.50

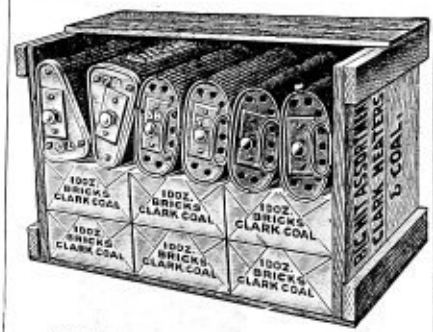
A well known and popular style, having flat, slanting top, and both sides and end ventilators with which it can be made to throw out as much or as little heat as may be desired.

CARRIAGE HEATER ASSORTMENTS.



Peerless, contains two No. 5-B oval heaters, two No. 3-D oval heaters, two No. 7-D triangular heaters, and six dozen bricks Clark's Coal, per case .....**ADDJ** $24.00

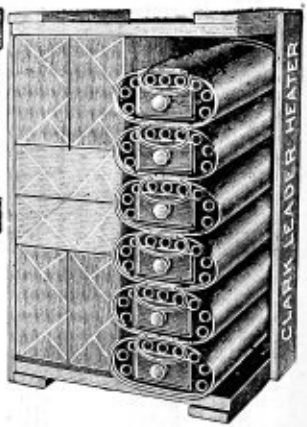
This assortment is the result of several years' experience with heater assortments and we believe it represents—more than any other—the ideal assortment for the average dealer.



Big Hit, contains two leader heaters, two No. 5-B and two No. 7-D heaters, and six dozen bricks Clark's Coal, per case .....**ABDJ** $20.70

These assortments provide an ideal way of getting in a stock of carriage heaters and coal, as they are all well packed and boxed, preventing damage in shipping.

ONE ASSORTMENT IN A CASE.



The Leader Case, contains six leader heaters and six dozen ABC coal, per case .....**JHAJ** $13.50

CARRIAGE HEATER COAL.



No. 57—Coal bricks, 7½x2½x1¼ in., w't per doz. bricks 9 lbs., per dozen bricks .....**JFE** $1.12

No. 57-S—Coal, 100 bricks in case, for livery and garage purposes, w't per case 100 lbs.★ .....per case **EDJ** $9.00

No. 59—Coal bricks, 7½x2½x1¼ in., w't per doz. bricks 9 lbs., per dozen bricks .....**EE** $0.90

No. 59-S—Coal, 100 bricks in a case, for delivery and garage purposes, w't per case 100 lbs.★ .....per case **DCJ** $7.20

The No. 59 Coal is a high grade coal at a very low price. This coal is guaranteed to be the equal of any coal made.

One dozen bricks in a carton.

★*FOR FACTORY SHIPMENT ONLY*





SEWING MACHINES, BEDS & STORE FIXTURES

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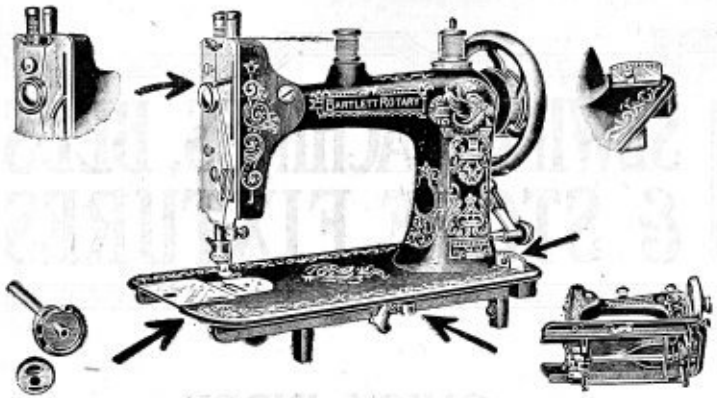
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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





BARTLETT ROTARY SEWING MACHINES.



The Bartlett Rotary Sewing Machine Is an innovation in the sewing machine world, as it is the only machine of the rotary type that is so simply constructed, so easily understood and operated and so self-guarded against troubles attending other machines of like type, that it may be safely marketed by dealers who have no intimate knowledge of sewing machines, and who heretofore have been unable to successfully sell a Rotary machine because of their trouble-making proclivities. It is universally acknowledged that the rotary type of machine is superior to all others in easy-running qualities and in speed. This is due to the fact that the under stitch forming mechanism rotates continuously, and has no lost motion on which account the rotary machines are geared higher than vibrating machines, consequently more work can be done with them in the same amount of time.

The Bartlett Rotary is an ideal family sewing machine. Its price is moderate, and because of its very many good points we are confident it will soon be a leader in sales and popularity of the entire Bartlett line.

SPECIFICATIONS.

Stitch—Is known as double lock-stitch and is formed by two threads being drawn together and locked in the center of the goods and presents a finished and smooth appearance on both sides, in fact it is hard to distinguish the under side—which is commonly known as the wrong side—from the upper.

Sewing Head—Is most attractive in appearance and substantial in construction as is shown by the accompanying illustration. It is well finished in highest quality black enamel, and decorated with and imported decalcomania of Egyptian design, covered by a glass hard, smooth, transparent varnish of very best quality.

The Arm—Is of generous size, the clear space underneath for sewing being 5½x8 inches. This space allows ample room for the handling of the heaviest and bulkiest materials that may be used in all around family sewing machines.

There are two spool pins on the arm so that the operator can wind bobbin without disturbing material being sewed, or removing spool of thread used in connection with it.

The Needle Bar—Is round, accurately finished and thoroughly hardened. It is equally rigid in every direction, has no lost motion and consequently operates freely, easily and without noise. The upper end of the needle bar is covered and protected by a handsome nickel plated steel cap which insures absolute cleanliness in the bearings, thereby preventing the accumulation of dust and grit and the ensuing hard and noisy running which is common to other machines less fortunately equipped. The needle is short, strong and self-setting. It is so made that it is impossible for one to place it in the needle bar incorrectly, thereby causing trouble.

The Under Stitch Forming Mechanism—Consists of a hook which rotates around bobbin case, the latter answering the same purpose as a shuttle. This rotating movement is responsible for the easy running qualities of the Bartlett Rotary, in which respect, as in others, it is superior to vibrating machines. A splendid feature of this is that under no conditions can it clog or choke up—in this respect it is an innovation, as all other rotary machines are handicapped by the clogging complaint.

The Bobbin Case—May be removed handily from above by opening the hinged plate shown in illustration, which is provided for that purpose. The tension is in the bobbin case—accompanying bobbin holds 500 yards of ordinary sized thread, so the user is not annoyed by the necessity of changing or refilling the bobbins at frequent intervals.

The attachments furnished free of charge with each machine, are made of good quality spring steel, and are packed in a neat and substantial black enameled velvet lined metal box, having metal racks for holding each individual attachment. The full set consists of the following pieces—Ruffler, tucker, binder, braider-foot, under braider plate, shirring plate, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated books of instruction.

BARTLETT ROTARY SEWING MACHINES.

SPECIFICATIONS—Continued.

The Stitch Regulator—Is located in a convenient position on the front part of the bed plate directly in front of the base of the arm. It is automatic—that is, by placing the indicator at certain points on the index, one can easily obtain the desired length of stitch, ranging from six to thirty-two stitches to the inch.

The Automatic Tension—Is an important feature exclusive to the Bartlett Rotary Machine. It is positively automatic in its action and adjusts itself without any assistance from the operator, to any class of work from the flimsiest laces down to the heaviest and coarsest woolens. This feature eliminates all of the trouble caused by constantly changing the tensions on the ordinary type of machine.

The Take-Up—Is positive and automatic in its action. It is operated directly by a cam on the main shaft and will control any size or kind of thread in a perfect manner in any class of sewing, thus producing an absolutely correct and perfect stitch.

The face plate—Is made of steel, beautifully nickel plated, and can be detached instantaneously by means of a thumb screw that holds it in position.

The Feed Point—Is double, extends both sides of the needle and has four distinct motions, thereby guaranteeing an even movement of the goods being used at all times and under all conditions. This feed is absolutely positive, being free from springs and other uncertain devices which invariably wear and weaken after a machine has been in use for some time and cause serious trouble. It is one of the strongest features of this machine.

The Hand Wheel—Is nickel plated over copper and in connection has a thumb nut by means of which the user of the machine can instantaneously throw it out of gear when it is desired to wind the bobbin. This hand wheel is so balanced that it does not stick or drag at a certain point in its revolutions, as is the case with others.

The Bobbin Winder—Is simple and at the same time a most ingenious contrivance. In connection there is a device which automatically drops the winder when the bobbin is full. This prevents over-winding and its ensuing trouble.

The Working Parts—Throughout are built of best quality steel, all those subject to constant wear being thoroughly hardened in oil and will last for a lifetime. The exposed parts are beautifully and permanently nickel plated over copper and then finely polished.

This is the same case as we use on No. 100 Bartlett Vibrating Machine, and is entirely different from anything ever shown in sewing machine woodwork exclusively our own pattern. Square and massive, with veneered roll edge. Paneled drawer cases completely enclosing long roomy drawers, brass drawer pulls, key hole escutcheon and hinges.



No. 101-R.

Art Nouveau Finish, revealing every detail of the quarter-sawed oak, carefully selected, showing the The finish consists of seven disso much admired and sought after. fine texture and large golden flakes tinct operations, and it requires four weeks of expert attention to finish.



No. 91-R.

This is exclusively our own pattern and is a most pleasing and practical design. Of quarter-sawed oak, polished to a mirror-like finish. Has six full length drawers with embossed wood handles, all encased in solid dust-proof panels. For further description, see No. 90 Bartlett.



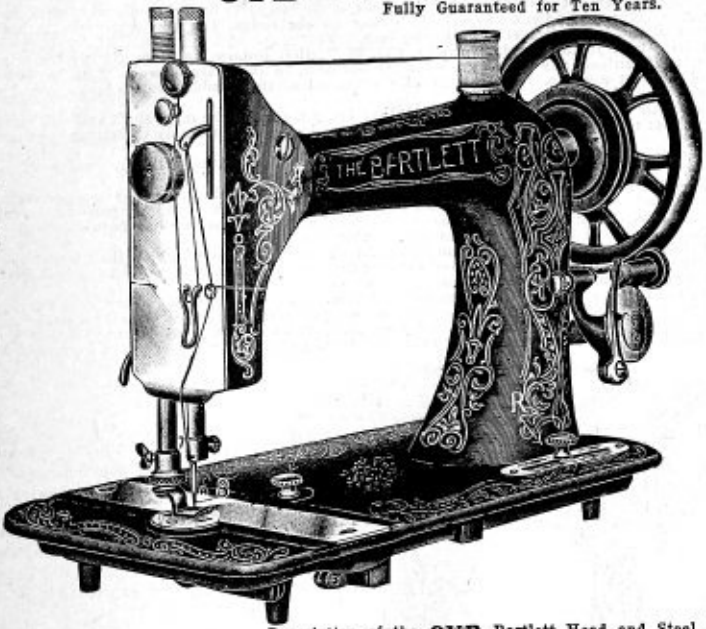
No. 44-R.

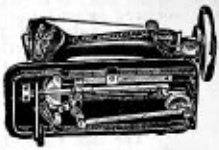
A very attractive case, of quarter-sawed oak in mission design, drawers with metal handles. The elegance and richness of this case are in keeping with the high quality of the Hibbard Rotary Head. For further description see No. 44 Bartlett.

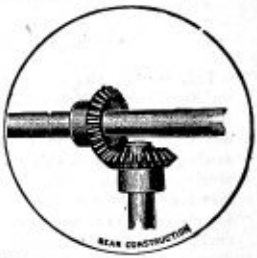
No. 101-R Bartlett, 6 drawer, drop head, automatic lift, w't 145 lbs. ..... each **CABJ** $52.00
No. 91-R Bartlett, 6 drawer, drop head, automatic lift, w't 135 lbs. ..... each **BGFJ** 46.00
No. 44-R Bartlett, 5 drawer, drop head, automatic lift, w't 130 lbs. ..... each **BDJJ** 40.00

BARTLETT SEWING MACHINES.

Fully Guaranteed for Ten Years.







Description of the Bartlett Head and Steel Attachments.

Description—The Bartlett is a family sewing machine of the very highest grade embracing the most complete combination of modern time and labor-saving improvements ever combined in one machine, and is presented to the trade and public as an ideal embodiment of the very best in modern sewing machine manufacture.

The basic construction is on the gear principle. These gears are so accurately fitted and adjusted that they operate most quietly and easily. They are riveted to the shafts by steel pins and cannot become loose. In this particular alone, the Bartlett, has a great advantage over other sewing machines which make use of eccentric shafts with many screws and parts, any one of which, if loosened, will destroy the perfect action and cause a poor stitch to be made. In a large measure, the gears are responsible for the wonderfully easy running qualities and the almost entire absence of the objectionable noise—accompanying other machines—. The clever adoption of the gear principle gives the Bartlett a simplicity of construction which makes it ideal for family use. Not only is the user assured that the Bartlett will always operate correctly, but the necessity of constant payment of money to sewing machine repair men is done away with. It is interesting to know that no other high grade up-to-date family sewing machine has this form of construction.

The Bartlett head has 15 per cent less parts than any other sewing machine on the market. The result is obvious, less wear, less friction and less power required to operate.

SPECIFICATIONS.

The Stitch—Formed, is what is known as the double lock stitch, made by two threads which are firmly locked in the center of the goods, presenting a smooth and finished appearance on either side. It is recognized to be the best all around, serviceable stitching for family sewing.

The Sewing Head—Is unusually handsome and well proportioned—it is elaborately finished in three durable coats of hand rubbed and polished baking black japan, with handsome imported decalcomania decorations in gold and bright colors, covered with an imported English varnish, hard baked.

The Arm—Is of the largest size furnished with an family sewing machine and is very strong and perfectly proportioned. The clear space underneath is 5¾x8 inches, thus permitting the easy and convenient handling of the bulkiest material.

Automatic Self-Regulating Tension—Is absolutely automatic in its action, and is a special exclusive feature of the Bartlett machine.

Unlike the common form , it is ot necessary to adjust the Bartlett tension to the different classes of goods which are being used from time to time. This tension makes a perfect and even stitch on the lightest chiffons without puckering, and at the same time will produce equally good results on the heaviest woolens without and changing of the adjustment whatever. The convenience and importance of this great feature will be best appreciated by actual test by those who have had their troubles with the ordinary form of tension.

The release of the Bartlett tension is entirely automatic, and is put into operation when the pressure foot is raised to permit removal of work. When this is done, there is absolutely no tension on the upper thread and the goods may be removed without bending or breaking the needle.

The Stitch Regulator—Controlling the length of the stitch is operated by a thumb screw sliding in the slot on the bed plate in a convenient position for the operator. Attached to the thumb screw is a pointer so that one may instantly set the machine by moving the screw and pointer to the proper place on the scale or index, thus making any size stitch, from six to thirty-two to the inch.

The Take-Up—Is positive and automatic in its action. It is operated directly by a cam on the main shaft and will control any size or kind of thread in a perfect manner any class of sewing, thus producing an absolutely correct and perfect stitch.

The Working Parts—Throughout are built of best quality steel, all bearing surfaces being thoroughly hardened in oil and will last a lifetime. The exposed parts are beautifully and permanently nickel plated over copper and then finely polished.

The Attachments—Which are furnished free of charge, are made of nickel plated spring steel, and are packed in a durable and attractive black enameled velvet lined metal box. The complete set is as follows. Ruffler, tucker, binder, braider-foot, under braider slide, shirring slide, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated book of instructions.

BARTLETT SEWING MACHINES.

Fully Guaranteed for Ten Years.



No. 44 —Bartlett, crated w't 120 lbs., each **BAFJ** $36.00

DESCRIPTION—Mission design, hand polished quarter-sawed oak case, with full drop front, tape measure on table, four roomy side drawers and tested steel cable automatic lifting device. Mounted on the Bartlett Ball Bearing Stand, equipped with non-binding steel pitman and belt retaining guard. Mounted with the improved Bartlett Sewing Head with its automatic, self-regulating tension and equipped with a complete set of nickel plated steel attachments.

For further particulars, refer to page 1101.



No. 90.

No. 90 —Bartlett, crated w't 130 lbs., each **BDFJ** $41.00
No. 85 —Bartlett, with four drawers only, otherwise same as No. 90, crated w't 125 lbs.....each **BCDJ** $39.00

DESCRIPTION—Exclusive design, Bartlett Case of highest quality, built of selected, hand polished quarter-sawed oak, having six drawers in fully enclosed panels, transfer tape measure on table and tested steel cable automatic lifting device. Mounted on the Bartlett Ball Bearing Stand, equipped with non-binding steel pitman and belt retaining guard. Mounted with the improved Bartlett Sewing Head with its automatic, self-regulating tension and equipped with a complete set of nickel plated steel attachments.

For further particulars, refer to page 1101.



No. 49 —Bartlett, crated w't 120 lbs., each **BBEJ** $37.50

DESCRIPTION—Colonial design, hand polished quarter-sawed oak case, equipped with four side drawers, transfer tape measure on table, and tested steel chain and lever automatic lifting device. Mounted on the Bartlett Ball Bearing Stand, equipped with non-binding steel pitman and belt retaining guard. Mounted with the improved Bartlett Sewing Head with its automatic self-regulating tension and equipped with a complete set of nickel plated steel attachments.

For further particulars, refer to page 1101.



No. 100 —Bartlett, crated w't 140 lbs., each .....**BHBJ** $47.00

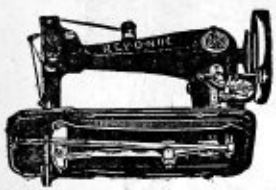
DESCRIPTION—Handsome colonial design, golden oak case with art nouveau finish that reveals the beautiful grain of the selected wood. It has massive construction with veneer rolled edge, four side drawers encased in solid panels, two swing center drawers, 18 in. tape measure on table, and tested steel chain automatic lifting device. We particularly recommend this machine to those requiring something orginal and exclusve of the very highest quality. Mounted on the Bartlett Ball Bearing Stand, equipped with non-binding steel pitman and belt retaining guard. Mounted with the improved Bartlett Sewing Head with its automatic self-regulating tension, and equipped with a complete set of nickel plated steel attachments.

For further particulars, refer to page 1101.

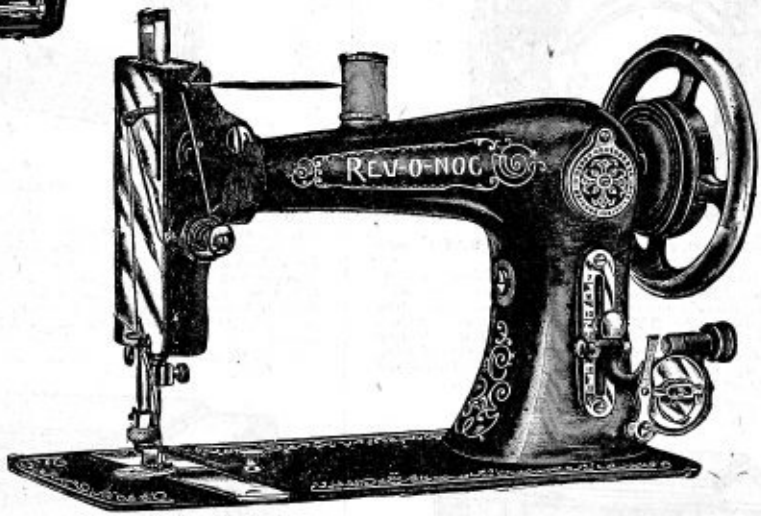
FREIGHT CHARGES BOTH WAYS, ON MACHINES RETURNED FOR ADJUSTMENT, MUST BE PAID BY CUSTOMERS.

REVONOC SEWING MACHINES.

Fully Guaranteed for Ten Years.







Description—In the REVONOC we have a splendidly equipped, strictly modern, high class sewing machine which we furnish in several attractive models at prices that are lower than you would naturally expect to pay for a high class article, embodying the well known REVONOC quality. We predict for this machine the hearty welcome and the popularity to which its excellent qualities, combined with the very low prices entitle it.

SPECIFICATIONS.

Stitch—Is known as double-lock stitch and is formed by two threads being drawn together and locked in center of goods, and finishes alike on both sides.

Sewing Head—Is full sized, high arm, well finished in three coats of hand applied and hand rubbed best black baking enamel, relieved with attractively designed, imported decalcomania decorations, covered with an imported English varnish, hard baked. It runs easily and quietly and is so simple and solidly constructed that it will last a lifetime.

The Arm—Is full size, 5½x8 inches, allowing ample space to handle bulky articles.

Needle Bar—Is round, fits perfectly, no lost motion, covered with a cap to prevent dust entering into bearings. Needle is held in place by a patented needle clamp so arranged that it is not possible to put needle into machine wrong.

Automatic Tension—Is of the improved disc pattern, and automatically releases all pressure on the upper thread, when presser bar lifter is raised to allow easy removal of work without bending or breaking needle.

The Shuttle—Is large, of cylinder type, made of fine tool steel, and is self-threading.

The Feed Point—Is steel forged, double width and has positive four-motion movement. Springs are not used as they weaken and are liable to do imperfect work.

Stitch Regulator—Controlling length of stitch is done by means of thumb bolt on side of arm, permitting a change from 7 to 20 stitches to the inch. Can be quickly set to the desired stitch shown on nickel plated indicator.

The Automatic Bobbin Winder—Winds accurately and quickly without any attention on part of operator. This is an ingenious device and operates entirely without springs.

The Hand Wheel—Is equipped with a releasing device so that bobbin can be wound without operating machine.

The Working Parts—Are made of best quality steel, hardened in oil, are carefully adjusted and with proper care and use, will easily last a life time.

The Attachments—Which are furnished free of charge, are made of heavily nickel plated spring steel, and are packed in a durable and attractive black enameled velvet lined metal box. The complete set is as follows—Ruffler, tucker, binder, braider-foot, under braider slide, shirring slide, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated books of instruction.

TEST.

All our high grade machines are doubly tested. First, when machine goes into testing room, ready for wood work, again when it has been mounted and is ready to crate, a sample of the sewing being left under the presser foot. This double test guarantees that machines are in perfect sewing condition and ready for immediate use when uncrated.

SEWING MACHINES.

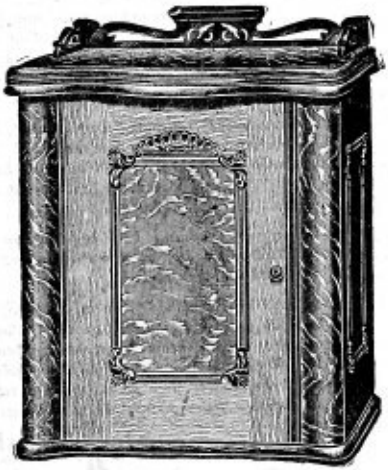
Fully Guaranteed for Ten Years.



No. 624 REVOROC—Crated, w't 120 lbs. .....each **BJDJ** $32.00

DESCRIPTION—Mission design, drop cabinet, built entirely of selected hand polished, quarter-sawed oak, and equipped with four side drawers, center drawer, tape measure on table, and tested steel automatic lifting device. Mounted on black enameled REVOROC *easy-running ball bearing stand with non-binding steel Pitman and belt retaining guard. Mounted with the high grade double lock stitch* REVOROC *Sewing Head and equipped with a complete set of first quality nickel plated attachments.*

For particulars about Head and Attachments, refer to page 1103.



No. 54 GEM **Bartlett**—Boxed, w't 150 lbs., each **BGEJ** $50.00

DESCRIPTION—Fully enclosed desk cabinet, constructed of first grade, hand polished, quarter-sawed oak, and equipped with paneled door, drawer for holding attachments, 18 in. tape measure on table, and tested steel automatic lifting device. Mounted on the GEM *Bartlett Ball Bearing Stand, equipped with non-binding steel Pitman and belt retaining guard. Mounted with the improved* GEM *Bartlett Sewing Head with its automatic self-regulating tension, and equipped with a complete set of nickel plated steel attachments.*

For further particulars, refer to page 1101.



No. 320—Lake Shore Sewing Machines, crated, w't 120 lbs., each .....**AHJJ** $30.00

DESCRIPTION—The woodwork is of the popular drop front pattern, attractively finished, with the top and fronts of the four side drawers made of quarter-sawed oak. Equipped with steel cable automatic lifting device and 18 in. tape measure on table.

For particulars about Head and Attachments, see page 1105.



No. 625 REVOROC—Crated, w't each 150 lbs., each **BCDJ** $39.00

DESCRIPTION—The REVOROC *Cabinet Machine is very compact, takes up little floor space and when not in use, makes a convenient stand or table. The case is made of excellent grade of oak, beautifully finished. There are handsome embossed decorations in the paneled door and sides; one motion of the arm raises the sewing head to position and another opens the door, the machine then being ready for instant use. A large pocket on inner side of door is a convenient place for attachments, accessories, etc.*

This machine is equipped with full set of attachments, the REVOROC *easy running ball-bearing stand and the* REVOROC *Sewing Head.*

See page 1103 *for description of head.*

SEWING MACHINES.

Fully Guaranteed for Ten Years.

"LAKE SHORE."



No. 325.

No. 325—Lake Shore, crated, w't 120 lbs.....each **AFEJ** $27.50
No. 327—Lake Shore, with seven drawers, otherwise same as No. 325, crated, w't 125 lbs. .....each **AGGJ** $29.50

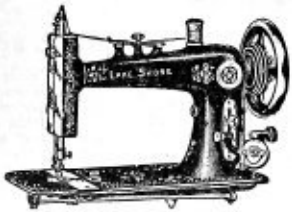
This machine is a radical and sharp departure from the usual medium priced sewing machine and is winning the approbation of every dealer who sees it. Medium priced machine have usually been mounted on rather cheap appearing wood work, not much different from that of the lowest priced machines. The Lake Shore was made up especially for us, and combines a good, serviceable sewing machine with wood work equal in appearance to that which some manufacturers use for their best machines.

THE SEWING HEAD—Is high arm, space underneath measures 8¼x5½ inches. It makes the double lock stitch, and all working parts are made of oil hardened steel, and will last a life time. It has many improvements usually found only on high priced machines, including the following: four-motive positive feed, improved spring tension, automatic stitch regulator, automatic bobbin winder, gear releasing device, self-threading shuttle and self-setting needles. (See illustration below.)

THE CASE—Is attractively designed, of well finished golden oak, the top and fronts of the four side drawers and center drawer being quarter-sawed. Equipped with steel cable automatic lifting device and 18 in. tape measure on table.

THE BALL BEARING STAND—Is well finished in black enamel, has easy runing ball bearings in the wheel, non-binding steel pitman and belt-retaining guard.

THE ATTACHMENTS—Are made of good quality spring steel, and are packed in a substantial velvet lined metal box. The full set consists of the following: Ruffler, tucker, binder, braider-foot, under braider slide, shirring slide, feller, four hemmers of different widths, quilter cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated books of instruction.



Showing Lake Shore Head.

"METEOR."



No. 300—Meteor, crated, w't 120 lbs.....each **AECJ** $25.50

We know of sewing machine manufacturers who, because of the fact that their product has been on the market many years, and is favorably known, sell, as "high grade" sewing machines which are neither as well constructed nor as well fitted with modern improvements as is the Meteor.. Being free from the expensive agency forces maintained by sewing machine factories, we can sell better machines at as low or lower prices than they ask for their less desirable styles.

THE SEWING HEAD—Makes the double lock stitch, has full size arm, with clear space underneath of 8¾x5½ inches, and is equipped with the following improvements: Automatic bobbin winder, double width positive feed, self-threading shuttles, self-setting needle, automatic stitch regulator, gear releasing device, improved spring tension and hardened steel working parts.

THE CASE—Is an attractively designed drop cabinet, built throughout of good quality oak. It is equipped with four side drawers, with turned wood, brass faced handles, handy center drawer, 18 in. tape measure on table, and tested steel automatic lifting device.

THE STAND—Has easy running ball bearings in the wheel, is equipped with large treadle, wooden Pitman and belt retaining guard. Finished in black enamel.

THE ATTACHMENTS—Furnished free of charge, are packed in a neat metal box, and consists of the following pieces: Ruffler, tucker, binder, braider-foot, under braider slide, shirring slide, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can and well illustrated books of instruction.



Showing Meteor Head.

Furnished with dealer's special brand on head, in lots of ten or more, without extra charge.

FREIGHT CHARGES, BOTH WAYS, ON MACHINES RETURNED FOR ADJUSTMENT, MUST BE PAID BY CUSTOMERS.

SEWING MACHINES.

"LA BELLE SPECIAL."

Fully Guaranteed for Ten Years.



No. 250—La Belle Special, crated, w't 110 lbs., each .....**ADGJ** $24.50



The La Belle Special is another example of a combination of features heretofore found only on higher priced and expensive machines, with the sterling values of a medium priced pattern without any increase in price. This machine will be found especially valuable in combating certain kinds of competition, and we do not know of another machine of corresponding value to be had anywhere at the price.

THE SEWING HEAD—Makes the double lock stitch, and has good sized arm, not so high, however, as the arms of our other and better machines. The working parts are made of hardened steel, and the head is equipped with automatic bobbin winder, self-threading shuttle, self-setting needle, gear releasing device, spring tension, positive double width feed.

THE CASE—Is an attractively designed drop head, with embossed decorations, four side drawers, attractive center panel, 18 in. tape measure on table, and steel cable automatic lifting device.

THE STAND—Is finished in black enamel, and has hardened steel bearings, wooden pitman, good sized treadle and belt retaining guard.

THE ATTACHMENTS—Are packed in a neat box, and are very complete, as is shown on the following list: Ruffler, tucker, binder, braider-foot, under braider slide, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated books of instruction.

"LA BELLE."

Fully Guaranteed for Five Years.



No. 225—La Belle, crated, w't 100 lbs.....each **ABIJ** $21.50



The La Belle is the best low-priced machine on the market, beyond question. It is an example of what our large buying capacity enables us to do. Compare it, part by part, with other low price machines, and the superior value becomes apparent. The La Belle is thoroughly dependable and will give excellent service.

THE SEWING HEAD—Has a good size arm, the same as the La Belle Special, makes the double lock stitch, and is nicely finished in black enamel, with transfer decorations. Equipped with positive feed, improved stitch regulator, automatic bobbin winder, gear releasing device, self-threading shuttle, self-setting needle and hardened steel working parts.

THE CASE—Is a plain but substantially well finished Oak Drop Head with four side drawers, convenient center drawer, and 18 in. tape measure on table. The machine is not equipped with automatic lifting device.

THE STAND—Is light but well braced, and is finished in black enamel throughout. Equipped with belt retaining guard, wooden pitman and good sized treadle.

THE ATTACHMENTS—Which are packed in a neat pasteboard box, are of good quality and consist of the following pieces: Ruffler, tucker, binder, braider-foot, under braider slide, feller, four hemmers of different widths, quilter, cloth guide, thread cutter, two screw drivers, twelve assorted needles, six bobbins, filled oil can, and well illustrated books of instruction.

Furnished with dealer's special brand on head, in lots of ten or more, without extra charge.

FREIGHT CHARGES, BOTH WAYS, ON MACHINES RETURNED FOR ADJUSTMENT, MUST BE PAID BY CUSTOMERS.

HAND SEWING MACHINES.

REVONOC

Description—These are reliable Hand Machines that may be operated by hand at high speed, as it makes three complete stitches to each revolution of the handle. Well finished with black enamel and transfer decorations, and equipped with a complete set of hemmers and accessories, including hemmer and feller, 4 hemmers of different widths, cloth guide, quilter, 6 needles, 3 bobbins, filled oil can, thread cutter and illustrated instruction book.

The mechanism of the head is the same as the La Belle, see preceding page.



No. 1000 REVONOC—W't 35 lbs. .....each **JFFJ** $11.00



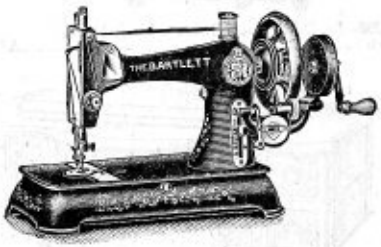
Equipped with hand polished oak base and cover. Cover is fitted with a substantial metal handle so the machine may be conveniently carried.

No. 1100 REVONOC—W't 49 lbs. .....each **JHGJ** $14.50

BARTLETT.

Description—The Bartlett is a high class, up-to-date Hand Machine, embodying all the many improvements and labor-saving devices incorporated in the REVONOC Treadle Machine.

Equipped with multiplying Gear Attachment, producing three stitches to each revolution of the hand wheel. The following is supplied with each machine. Complete set of hemmers and accessories, including hemmer and feller, 4 hemmers of different widths, cloth guide, quilter, six needles, 3 bobbins, filled oil can, thread cutter and illustrated instruction book.



No. 11—Boxed, w't 38 lbs. .....each **JHDJ** $14.00



Equipped with hand polished, golden oak wood base and cover, with panel inlaid in fancy woods, cover is fitted with substantial metal handle, lock and key, fastening it to the base, so machine can be conveniently carried.

No. 12—Boxed, w't 52 lbs. .....each **AJHJ** $18.00

SEWING MACHINE BELTS.

68 in., oak tanned leather, round, solid, with hooks .....per dozen **ADJ** $2.30

SEWING MACHINE BELTING ON SPOOLS.

Oak Tanned Leather, Round, Solid.

Size, in.	3-16	7-32	1-4	5-16	3-8
Per 100 feet	$4.90	6.00	6.50	11.00	20.50
	BIE	**CFJ**	**CIJ**	**JFFJ**	**ABCJ**

The spool keeps the belting in good condition and prevents waste.

ON SPOOLS OF 100 AND 500 FEET.

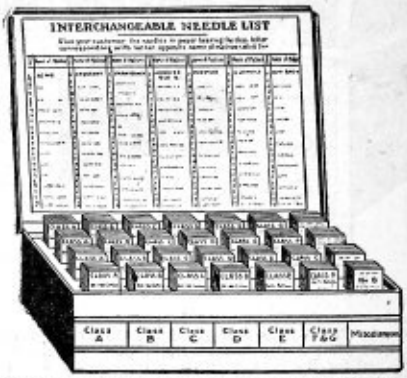
THE H.S.B.B. METAL NEEDLE CASE.

Contains Needles for All Makes of Machines.
Every Live Merchant Should Handle this Extremely Profitable Counter Seller.



The H.S.B.B. needle case is well and solidly built of heavy gauge reinforced tin and is finished in four colors. Dimensions 6½x6½x9½ in., packed in a pasteboard carton and accompanied by attractive display card.

There is an alphabetically arranged interchangeable needle list containing 212 names, lithographed on the inner side of cover. Opposite each name is a class letter, which designates the style of needle required for that particular machine. Corresponding class letters are lithographed opposite each section, so that one can instantly locate the desired needle. The needles contained in this case are the very best quality and are guaranteed to give satisfaction. They usually retail for 5c per package.



No. 270 H.S.B.B.—Needle case, containing 264 needles—2 in a paper, w't 3 lbs. .....each DEJ $7.50
H.S.B.B. Needles Only .....per dozen papers CE $0.60

Convenience in Re-Ordering—When you wish to reorder certain styles of needles, simply specify the class letter and the size of needles wanted. Such specifications insure prompt and correct handling of all re-fill orders.

INTERCHANGEABLE NEEDLE LIST.

Give your customer the needles in paper bearing the class letter corresponding with letter opposite name of machine called for.

Needle, Class.	Name of Machine.	Needle, Class.	Name of Machine.	Needle, Class.	Name of Machine.	Needle, Class.	Name of Machine.	Needle, Class.	Name of Machine.	Needle, Class.	Name of Machine.
C	ACME	C	DAMASCUS	C	GOLDEN EAGLE		BUFFALO	C	NONPAREIL	C	RIVERSIDE
B	ADVANCE	C	DAUNTLESS			C	KING SPECIAL	C	NORTHERN	C	ROYAL ST.
B	AJAX	B	DAYTON	C	GOLDSMITH	C	LA BELLE		QUEEN		JOHN
C	ALBAUGH-DOVER	B	DAYTONIA	C	GOLD MEDAL	C	LA BELLE SPECIAL	D	NORWOOD	C	RUBY
		C	DEMOLAY	B	GOLD HIBBARD	C	LAKE SHORE	C	NOXALL	C	RUN EASY
B	ALLIANCE	A	DEMOREST	C	GOODRICH	C	LEADER	C	OAKLAND	C	SEAMSTRESS
C	ALOHA	C	DE SOTO	B	GRANGER	B	LEXINGTON	C	OCCIDENT	C	SILENT PRINCESS
C	ALWAYS READY	F	DIAMOND	C	GRAND	B	LIBERTY	B	OHIO	B	SINGER N. S.
		A	DOMESTIC	C	HACKETT	F	MARGERUITE	B	OHIO FARMER.	D	SINGER O. S.
C	AMAZON	C	DRUID	C	HARRIS	C	MAJESTIC	C	OLD HOMESTEAD	G	SO EASY
C	ARLINGTON	C	DUPLEX	C	HELPING HAND	C	MARS	C	OLYMPIA	C	SPEAR EDGE
D	ARROW	C	E. & B. BALL BEARING			C	MARVEL	C	OREGON	C	SPIEGELS
C	ASHLAND			A	HELPMATE	C	MARYLAND	B	ORIENT	D	STANDARD
C	ATCHISON	C	ECONOMY	B	HIBBARD	C	MATCHLESS	C	ORIOLE	C	STANLEY
C	AUSTIN SPECIAL	C	ECLIPSE	C	HOMESTEAD	C	METEOR	C	ORITANI	C	STAUFFER
		C	EDGEMERE	B	HONEYMOON	C	MIDLAND B.	C	OUR LEADER	C	STRANGE
C	BANNER	C	ELDORADO	F	HOUSEHOLD	B	MINNESOTA	C	OXFORD	C	SUNFLOWER
C	BARTLETT	C	ELDREDGE	B	HOWARD	C	MOMUS	D	PARAGON	C	SUPERIOR
C	BEAUTY	C	ELECTRIC CITY	E	HOWE G.	C	MONT. WARD & CO.	C	PAYEWAY	C	TEMPLE
C	BELVIDERE			C	HOUSEWIFE			C	PEERLESS	C	TRIUMPH
C	BLUE RIBBON	C	ELMIRA	C	IDALIA	B	NETZOW	C	PELHAM	C	VELOX
C	BRUNSWICK	A	ELY	C	IDEAL	C	NEW CROWN	C	PERFECTION	C	VICTORIA
B	BURDICK	C	ENTERPRISE	C	IMPROVED ELD. B.	C	NEW ENGL'ND QUEEN	C	PIONEER	C	VICTORIAN
B	C. & C.	C	EUDORA					C	PLYMOUTH	C	VINDEX B.
C	CENTURY	C	EXCELSIOR B. B.	C	IMPROVED FAULTLESS	C	NEW ERA	C	PREMIER	C	VINDEX SPECIAL
B	CENTURY, NEW	C	EXPERT			C	NEW FIRESIDE	C	PRINCETON		
C	CLASSIC	C	FAMILY FRIEND	C	IMPROVED MELVILLE	C	NEW GOODRICH	C	PRITZLAFF	C	VOLO
C	CLAYTON					C	NEW HOME	C	PROGRESS	C	VULCAN
C	CLEVELAND	C	FAMOUS	C	IMP. SEAMSTRESS	D	NEW HOME ROTARY	C	PROTEUS	E	WHEELER & WILSON 9
C	CLOVER LEAF	C	FARM & RANCH	C	INTERN'TION'L CHAM.	D	NEW HOME	C	QUAKER		
C	CO-LEE					C	NEW JEWEL	C	QUEEN	C	WHITE VIB. F. S.
C	COLUMBIA	B	FASHION	C	INVADER	C	NEW MODEL	C	QUEEN OF THE WEST	C	WHITE ROTARY
C	COMUS	C	FAULTLESS	C	INVINCIBLE	C	NEW NATIONAL	C	RAINIER		
B	CONOVER:	C	FAVORITE	F	JENNIE JUNE	C	NEW QUEEN	C	REGAL	C	WINDSOR
C	COTTAGE	C	FIELD	C	JEWEL	C	NEW ROYAL	C	RELIABLE	D	WIZARD
C	CRESCENT	C	FIRESIDE	D	KENSINGTON	D	NEW STEWART	C	RELIANCE	C	WRIGHT
C	COURIER-JOURNAL	D	FLORENCE	C	KENWOOD	B	NEW YORK	C	REPUBLIC	C	WYETH
		D	FRANKLIN	C	KEYSTONE	C	NOBLE	C	RETARD	C	ZENITH
B	DAVIS—NEW	D	FREE	C	KING			C	RICH-CON		
D	DAVIS ROTARY.	C	GALLOWAY	C	KING—			C	RIVAL		
		C	GAYSO								

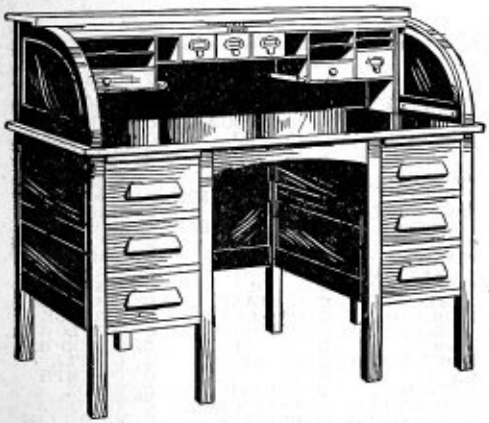
DESKS.



Quarter Sawed Oak Finished Light Golden, Dull. Writing Bed and Top 1¼ Inch 5 Ply Built Up Stock, 3 Drawers on Left Side, 2 Drawers on Right Side, the Lower Partitioned for Books, Center Drawer with Flat Key Lock, Drawers Made with 3 Ply Bottoms, Dovetailed Front and Back, Brass Sockets and Sliding Shoes.

	Size Top.	Height.	W't.		Each.
No. 412—Roll top	42x32 in.	43 in.	250 lbs.★	CGBJ	$62.00
No. 414—Roll top	50x32 in.	43 in.	280 lbs.★	DCBJ	72.00
No. 416—Roll top	54x32 in.	43 in.	300 lbs.★	DFHJ	78.00
No. 418—Roll top	60x32 in.	43 in.	320 lbs.★	EJDJ	84.00
No. 420—Roll top	66x32 in.	43 in.	340 lbs.★	EEBJ	92.00

No. 412 has pedestal on right hand side only, with three drawers.

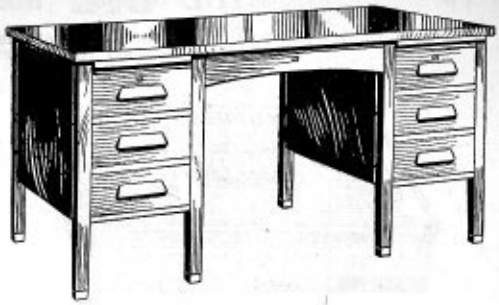


Oak, Finished Light Golden, Dull. 5 Ply Built Up Writing Bed, Combination Lock on Drawers, Spring Lock on Curtain, 3 Drawers on Left Side, 2 Drawers on Right Side, the Lower Partitioned for Books, Legs Fitted with Steel Sliding Shoes.

	Size Top.	Height.	W't.		Each.
No. 132—Roll top	42x30 in.	44 in.	230 lbs.★	BBHJ	$38.00
No. 134—Roll top	50x30 in.	44 in.	265 lbs.★	CJJJ	50.00
No. 136—Roll top	54x30 in.	44 in.	285 lbs.★	CCJJ	55.00
No. 138—Roll top	60x30 in.	44 in.	300 lbs.★	CFJJ	60.00

No. 132 has pedestal on right hand side only, with three drawers.

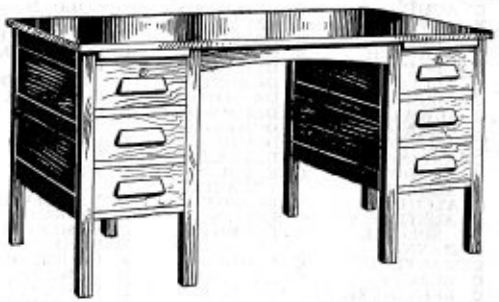
Desks are shipped with file boxes as shown. Extra wood file boxes can be furnished at a small additional charge.



Quarter Sawed Oak, Finished Light Golden, Dull. Writing Bed 1¼ Inch 5 Ply Built Up Stock, 3 Drawers on Left Side, 2 Drawers on Right Side, the Lower Partitioned for Books, Center Drawer with Flat Key Lock, Drawers Made with 3 Ply Panel Bottom, Dovetailed Front and Back, Brass Sockets and Sliding Shoes.

	Size Top.	W't.		Each.
No. 463—Flat top	42x32 in.	175 lbs.★	BCDJ	$39.00
No. 465—Flat top	50x32 in.	220 lbs.★	BHHJ	48.00
No. 467—Flat top	54x32 in.	230 lbs.★	CABJ	52.00
No. 469—Flat top	60x32 in.	240 lbs.★	CCFJ	56.00

No. 463 has pedestal on right hand side only, with three drawers.



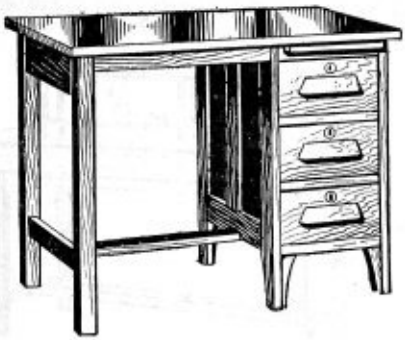
Oak, Finished Light Golden, Dull. 5 Ply Built Up Top, Combination Lock on Drawers, 3 Drawers on Left Side, 2 Drawers on Right Side, the Lower Partitioned for Books, Legs Fitted with Steel Sliding Shoes.

	Size Top.	W't.		Each.
No. 143—Flat top	42x30 in.	140 lbs.★	AEJJ	$25.00
No. 145—Flat top	50x30 in.	170 lbs.★	AHFJ	31.00
No. 147—Flat top	54x30 in.	180 lbs.★	BJAJ	33.50
No. 148—Flat top	60x30 in.	190 lbs.★	BBHJ	38.00

No. 143 has pedestal on right hand side only, with three drawers.

★*FOR FACTORY SHIPMENT ONLY, CHICAGO.*

DESKS.



Oak, Finished Light Golden, Dull. Extension Slide, 3 Drawers, Also Made in Birch, Imitation Mahogany Finish.

	Size Top.	Height.	W't.	Each.
No. 192—Oak	34x20 in.	26 in.	75 lbs.★ JHDJ	$14.00
No. 192—Im. Mah.	34x20 in.	26 in.	75 lbs.★ JIFJ	16.00



White Oak, Solid Writing Bed, Finished in Gloss, Automatic Locks.

	Size Top.	Height.	W't.	Each.
No. 100-R—Roll top	42x30 in.	45 in.	200 lbs.★ ADFE	$24.40
No. 107-R—Flat top	42x30 in.		145 lbs.★ JHDJ	14.00

No. 107-R has open end and back.



Oak, Finished Light Golden, Dull. Full Paneled Finished Back, Combination Lock on Drawers, Spring Lock on Curtain, 4 Drawers on Left Side, 3 Drawers on Right Side, the Lower Partitioned for Books, Casters, Flat Top Desks are Made with Open Back.

	Size Top.	Height.	W't.	Each.
No. 123—Roll top	48x30 in.	46 in.	220 lbs.★ BEBJ	$42.00
No. 126—Roll top	54x30 in.	46 in.	250 lbs.★ BHHJ	48.00
No. 128—Roll top	60x30 in.	46 in.	270 lbs.★ CAHJ	53.00
No. 155—Flat top	50x30 in.		150 lbs.★ AEJJ	25.00
No. 156—Flat top	54x30 in.		160 lbs.★ AGDJ	29.00
No. 157—Flat top	60x30 in.		170 lbs.★ AHFJ	31.00



White Oak, Solid Writing Bed Finished in Gloss, Automatic Lock.

	Size Top.	Height.	W't.	Each.
No. 102-R—Roll top	48x30 in.	45 in.	260 lbs.★ AFBJ	$27.00
No. 104-R—Roll top	54x30 in.	45 in.	280 lbs.★ AGGJ	29.50
No. 105-R—Roll top	60x30 in.	50 in.	300 lbs.★ BBBJ	37.00
No. 115-F—Flat top	48x30 in.		180 lbs.★ AADJ	19.00
No. 116-F—Flat top	54x30 in.		200 lbs.★ ABJJ	20.00

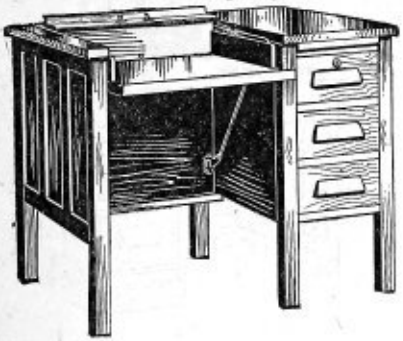
Desks are shipped complete with file boxes as illustrated.

NOS. 102-R TO 116-F AND NOS. 100-R TO 107-R ARE SHIPPED FROM FACTORY F. O. B. SOUTHERN INDIANA. BALANCE DESKS ON THIS PAGE F. O. B. FACTORY, CHICAGO.

★FOR FACTORY SHIPMENT ONLY.

DESKS AND CHAIRS.

DESKS.



Typewriter Desks, Substantially Built of Selected Plain Oak and Birch, with Mahogany Top. Finished Light Golden Oak and Medium Dark Mahogany. No. 30 Has 3 Drawers on Each Side.

				Each.
No. 29—Oak,	top 37½x28 in.,	w't 155 lbs.★	A I B J	$32.00
No. 29—Im. Mah.,	top 37½x28 in.,	w't 155 lbs.★	B B B J	37.00
No. 30—Oak,	top 50x28 in.,	w't 215 lbs.★	B B B J	37.00
No. 30—Im. Mah.,	top 50x28 in.,	w't 215 lbs.★	B G J J	45.00



Typewriter, Oak, Finished Light Golden, Dull. Quarter Sawed Oak Writing Bed and Front, Writing Bed and Typewriter Platform 5 Ply Built Up Stock, 3 Drawers on Left Side, 2 Drawers on Right Side, the Lower Partitioned for Books. Brass Sockets, and Casters. Also Made in Birch and Imitation Mahogany Finish, Genuine Mahogany Top.

	Roll Top. Size Top.	Height.	W't.		Each.
No. 393—Oak,	54x30 in.	44 in.	310 lbs.★	D I B J	$82.00
No. 393—Im. Mah.,	54x30 in.	44 in.	310 lbs.★	E B B J	87.00

	Flat Top. Size Top.	W't.		Each.
No. 394—Oak,	41x30 in.	170 lbs.★	B G J J	$45.00
No. 394—Im. Mah.,	41x30 in.	170 lbs.★	B H H J	48.00
No. 395—Oak,	54x30 in.	230 lbs.★	C D H J	58.00
No. 395—Im. Mah.,	54x30 in.	230 lbs.★	C F F J	61.00

No. 394 oak and birch has only one pedestal, with three drawers.

DESKS.



Oak, Finished Light Golden, Dull. Frame is Put Together with Bolts and is Very Firm. Height from Floor to Level Part of Top, 44 Inches. Shipped K. D.

No. 174—Top 48x33 in.,	w't 130 lbs.★	.....each	A G D J	$29.00
No. 175—Top 60x33 in.,	w't 150 lbs.★	.....each	B J A J	33.50
No. 176—Top 72x33 in.,	w't 170 lbs.★	.....each	B B A J	37.00
No. 178—Top 96x33 in.,	w't 230 lbs.★	.....each	B H H J	48.00

Double Desk.

No. 179—Top 72x54 in.,	w't 230 lbs.★	.....each	C D H J	58.00
No. 180—Top 96x54 in.,	w't 300 lbs.★	.....each	D B J J	70.00

CHAIRS.



No. 204.



No. 210.

No. 204—Oak, light golden finish, saddle seat, w't 35 lbs., each★ ..... J F I J $11.50

No. 203—Side chair to match No. 204, w't 25 lbs., each★ ..... J D H J 8.00

No. 210—Oak, light golden finish, rubbed dull, saddle seat, w't 45 lbs.★.....each A B J J $20.00

No. 209—Side chair to match No. 210, w't 25 lbs., each★ ..... J I C J 15.50

Nos. 204 and 210 furnished with casters.

★*ALL DESKS AND CHAIRS ON THIS PAGE SHIPPED F. O. B. FACTORY, CHICAGO.*

REVONOC FIRE PROOF SAFES.

CONSTRUCTION.

The bodies of these safes consist of a continuous sheet of steel that is securely riveted to heavy steel angle hoops that are solidly welded at all corners and joints.

Doors are of the Tongue and Groove construction, and are provided with both dead bolts at rear of door, and a steel projection, the full height of door, that interlocks into groove in rear of door.

Only the highest grade of materials are used, and in such proportions as years of experience have proven to be the best.

Between the safe wall and cabinet is an air space that insures absolute dryness, and adds greatly to the Fire Proof qualities of the safe. All sizes of these safes excepting sizes Nos. 1 and 2, are built outside Fire Proof door and an inner steel door.

These safes are all handsomely finished in black, unless otherwise ordered, rubbed to a smooth surface, neatly ornamented and varnished. Locking bolts, hinge tips and handles are heavily nickel plated and polished. Combination lock dials are finished in black and white enamel. Inside doors are locked with flat key locks.

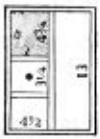


SINGLE OUTSIDE DOOR—NO INSIDE DOOR.

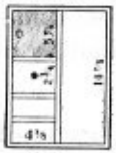
Diagrams and Dimensions of Interiors.



No. 1.



No. 2.



No. 3.



No. 4.

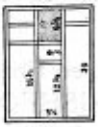
	Outside Dimensions. Height	Width	Depth	Inside Dimensions. Height	Width	Depth	Weight		Each
No. 1	24¼ in.	15½ in.	16½ in.	12½ in.	8½ in.	9 in.	325 lbs.★	BBBJ	$37.00
No. 2	26½ in.	18 in.	18 in.	13½ in.	10 in.	10 in.	425 lbs.★	BDJJ	40.00
No. 3	29⅝ in.	18 in.	20½ in.	15¼ in.	10½ in.	11 in.	550 lbs.★	CBDJ	54.00
No. 4	33¼ in.	22½ in.	22 in.	18¼ in.	14½ in.	13 in.	800 lbs.★	DJBJ	67.00
Inside door							extra, each	DHJ	$8.00

When inside door is desired, so specify and add to any size except Nos. 1 and 2.

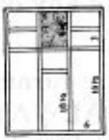


SINGLE OUTSIDE AND INSIDE DOOR.

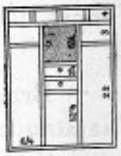
Diagrams and Dimensions of Interiors.



No. 5.



No. 6.



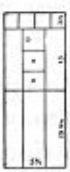
No. 7.

	Outside Dimensions. Height	Width	Depth	Inside Dimensions. Height	Width	Depth	Weight		Each
No. 5	34½ in.	23 in.	22 in.	20 in.	15½ in.	13 in.	850 lbs.★	DHJJ	$80.00
No. 6	36½ in.	24½ in.	23 in.	22 in.	16½ in.	14 in.	1000 lbs.★	EBBJ	87.00
No. 7	38¼ in.	26¼ in.	24 in.	24 in.	18¼ in.	15 in.	1100 lbs.★	JFJJ	100.00

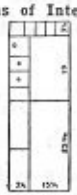


SINGLE OUTSIDE AND INSIDE DOOR.

Diagrams and Dimensions of Interiors.



No. 8.



Nos. 9 and 12.

	Outside Dimensions. Height	Width	Depth	Inside Dimensions. Height	Width	Depth	Weight		Each
No. 8	43 in.	29½ in.	25½ in.	26½ in.	21 in.	16 in.	1375 lbs.★	JFCFJ	$105.00
No. 9	47 in.	33 in.	26½ in.	30½ in.	24 in.	17 in.	1625 lbs.★	JGHJJ	130.00
No. 12	64 in.	28 in.	27 in.	48 in.	20 in.	18 in.	2100 lbs.★	ABBDJ	204.00

Name of purchaser painted without extra charge. Printed copy should be supplied if possible. The interior wood work can be changed as desired. We will charge for same at exact cost to us.

★*FOR FACTORY SHIPMENT ONLY, SOUTHERN OHIO.*

BRASS AND STEEL BEDS

On the pages following we illustrate a line of brass and steel beds which we fully guarantee to have no quality-superior.

These beds are free from defects in material and are guaranteed to be of the highest class workmanship. They are made in the world's largest bed factory and are backed by over forty years of integrity and skill.

The enamel used in this line is of the highest grade and is flowed on with a glasslike surface and is baked hard at a high temperature. The steel surface over which this enamel is flowed enables us to achieve a remarkable smoothness of finish approximating perfection more nearly than was ever before believed possible.

The Vernis Martin finish in appearance is similar to Gold Bronze, but unlike the latter it is baked on and protected by a varnish coating which makes it more durable than any of the bronze finishes.

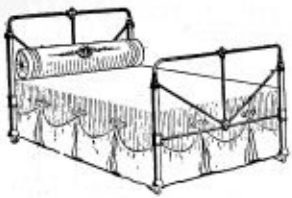
Brass Beds are furnished in three finishes—the regular bright finish, which is standard, and ALWAYS FURNISHED UNLESS OTHERWISE SPECIFIED —satin finish, which is dull gold or Roman effect, and the pollet finish, which is a combination of the satin and the regular bright finish.

It is unnecessary to dwell here upon the quality of the lacquer other than to say that after these beds are brushed to an even high lustre, they are perfectly protected by the best lacquer process in existence.

Side Rails. Unless otherwise specified, beds are always furnished with regular rails, with which iron slats may be used, or the hangover wire mattresses and spiral springs with steel side strips.

Reversed Rails. If the beds are to be used with wooden slats, order must specify REVERSED RAILS, with which steel spiral springs or ordinary woven wire mattresses may be used. In ordering beds ALWAYS SPECIFY whether regular or reversed rails are wanted.

STEEL BEDSTEADS.



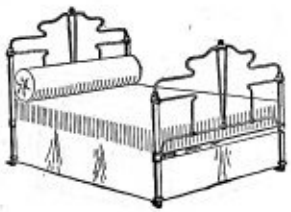
No. 3000—Colors, white or green, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 44 in., at foot 35½ in., pillars ⅞ in., top and bottom rods ⅝ in., filling rods ¼ in., average shipping w't 45 lbs.,★each **BJE** $3.40

A light, inexpensive but serviceable bed with cast pillar-caps of ornamental design.



No. 3001—Colors, white or green, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3ft., height at head 49 in., at foot 41 in., pillars ⅜ in. top, bottom and filling rods ⅛ in.., average shipping w't 50 lbs.★ .....**BGE** $4.60

Graceful curve to head and foot. Light ornamental chilled castings. Brass ball pillar caps. Heavy bottom bar, exceptionally well braced.



No. 3002—Colors, white or green, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 44 in., at foot 35½ in., pillars ⅜ in., top, bottom and filling rods ⅝ in., average shipping w't 48 lbs.★ .....each **BEE** $4.30

Ornamental chilled casting caps on pillars connect curved corner top rods. Angle steel bottom rods gives steadiness. A light airy bed.



No. 3003—Colors, white or green, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 53 in., at foot 40½ in., pillars 1⅛ in., top, bottom and filling rods ⅝ in., average shipping w't 69 lbs., each★ .....**CDE** $5.70

In simple good taste is this sensible well-made bed. Decorative chilled castings. Brass ball pillar caps. Top, bottom and filler rods all same size.



No. 3004—Colors, white, green or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in., 3 ft., pillars 2 in., transverse bottom and filling rods ⅞ in., height at head 58 in., at foot 38 in., average shipping w't 74 lbs., each★ ..... **DIE** $8.25

Large, continuous pillars, straight transverse and curved bottom rod attached by light chilled castings of pleasing design. Five filling rods.



No. 3005—Colors, white, green or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in., 3 ft., height at head 52 in., at foot 35 in., pillars 2 in., transverse filling and bottom rods ¾ in., average shipping w't 70 lbs., each★**DFJ** $7.70

Similar to No. 3004 but built lighter.



No. 3006—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in., 3 ft., height at head 58 in., at foot, bottom rod 1½ in., 38 in., pillars 2 in., filling rods 1⅛ in., bottom rod 1¼ in., average shipping w't 79 lbs., each★ .....**JFGE** $10.20

A bed of simple elegance, made with continuous pillars, large bottom rod and fillers. No chilled castings.



No. 3007—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft., 6 in., 3 ft., height at head 52 in., of foot 35 in., pillars 2 in., filling rods 1⅛ in., bottom rod 1¼ in., average shipping w't 76 lbs.★ .....each **JFCE** $9.60

Similar to No. 3006 but with lower head and foot.



No. 3008—Colors, white, green or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 57½ in., of foot 38½ in., continuous pillars 1⅛ in., top rod ⅞ in., filling rods ¾ in., average shiping w't 84 lbs. each★ ..... **DGE** $7.90

Continuous pillars. Light but strong chilled castings. Reinforced with seven vertical filling rods. Very popular.

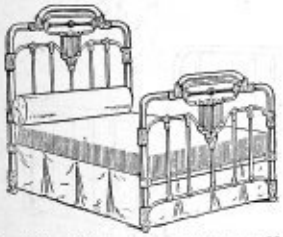
STEEL BEDS ALWAYS FURNISHED IN WHITE ENAMEL FINISH AND 4 FT 6 IN. WIDTH UNLESS OTHERWISE SPECIFIED. STATE WHETHER REGULAR OR REVERSED RAILS ARE WANTED.

STEEL BEDSTEADS.



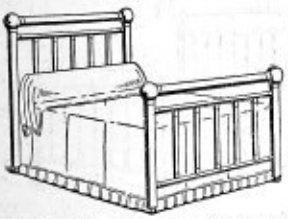
No. 3055—Colors, white, green or Vernis Martin, sizes 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 57 in., at foot 38½ in., pillars 1⅛ in., transverse, filling and bottom rods ⅞ in., average shipping w't 77 lbs., each★ ..... **DBJ** $7.05

A dainty bed with high head and foot, ornamental chilled castings. Continuous pillars.



No. 3056—Colors, white, green, or Vernis Martin, widths 4 ft. 6 in. and 4 ft., height at head 62 in., at foot 40 in., pillars 1⅛ in., spindle ⅝ in., top rod ⅞ in., bottom rod ⅞ in., filling rods ⅞ in., average shipping w't 94 lbs.★ .....each **JFIE** $11.55

A very ornamental bed with richly embossed chilled castings. Raised arch in head and foot. Highly polished brass spindle. Harp grill. This bed finds a wide market.



No. 3009—Colros, white or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in., height at head 58 in., at foot 38 in., pillars 2 in., top rod 2 in., bottom rod 1⅛ in., transverse 1⅛ in., filling rods 1⅛ in., average shipping w't 86 lbs.★ .....each **JHBE** $13.75

A very handsome bed. Re-inforced transverse, bottom rod and fine vertical filling rods. Ball knobs on pillars relieves severe outline and adds pleasing variety. No chilled castings.



No. 3010—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft. and 3 ft. 6 in., height at head 59½ in., at foot 36½ in., pillars 2½ in., top, bottom and filling rods, 1¼ in., average shipping w't 87 lbs.★ each **AJEE** $14.60

Made of large tubing without chilled castings. Modified disc pillar caps in polished brass.

No. 3011—Colors, white or Vernis Martin, sizes 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 56 in., at foot 36 in., pillars 2 in., top rod 1¼ in., bottom and filling rods 1⅛ in., average shipping w't 84 lbs., each★ ..... **JGIJ** $13.20



No. 3012—Colors, white or Vernis Martin, width 4 ft. 6 in. only, height at head 58½ in., at foot 41½ in., pillars 2½ in., filling rods 1¼ in., bottom rod 2 in., approximate shipping w't 95 lbs.★ .....each **AJCJ** $17.15

Large continuous pillars. No chilled castings. Fine large filling rods. A very solid, substantial looking bed.

No. 3013—Colors, white or Vernis Martin, size 4 ft. 6 in. only, height at head 58 in., at foot 41 in., pillars, 2½ in., filling rods 1⅛ in., bottom rod 1 ¼in., average shipping w't 94 lbs., each★ ..... **JIFJ** $15.95

Similar to No. 3012 but slightly different dimensions.



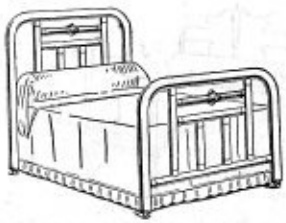
No. 3014—Colors, white, green or Vernis Martin, width 4 ft. 6 in., 4 ft. and 3 ft. 6 in., height at head 58 in., at foot 38 in., pillars 2 in., bottom rod 1¼ in., filling rods 1⅛ in., average shipping w't 79 lbs., each★ ..... **JGFJ** $12.67

A very popular bed. Not heavy in appearance but strong and amply reinforced. Has seven filling rods. No chilled castings or dust catching projections.



No. 3015—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft. and 3 ft. 6 in., height at head 56½ in., at foot 36½ in., pillars 3 in., top rod 2 in., bottom and filling rods 1½ in., average shipping w't 100 lbs., each★ ..... **ABEE** $20.90

A beautiful bed of classic lines without castings or any interruption to the smooth, perfect finish. The simple disc pillar cap is in excellent taste.



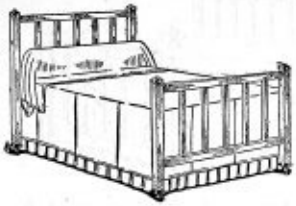
No. 3016—Colors, white, or Vernis Martin, 4 ft. 6 in. and 3 ft. 6 in., height at head 58 in., at foot 38 in., pillars 2½ in., bottom, transverse and filing rods, 2 in., average shipping w't 114 lbs.★.....each **ACEE** $22.55

The very large brass spindle, the interrupted transverse, two short and two long filling rods and the large sized tubbing gives this bed a luxurious appearance.

STEEL BEDS ALWAYS FURNISHED IN WHITE ENAMEL FINISH AND 4 FT 6 IN. WIDTH UNLESS OTHERWISE SPECIFIED. STATE WHETHER REGULAR OR REVERSED RAILS ARE WANTED.

BEDSTEADS.

STEEL



No. 3017—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 50 in., at foot 34 in., pillars 2 in., top and bottom rods 1½ in., filling rods 1 in., average shipping w't 93 lbs., each★ ..... **JHFJ** $17.15

Square tubing in a choice of finishes. A metal bed perfectly adapted for use with mission furniture. Simplicity of design has an appeal to good taste that has made this bed a favorite.



No. 3018—Colors, white or Vernis Martin, widths 4 ft. 6 in., 4 ft., 3 ft. 6 in., and 3 ft., pillar 2 in., top and bottom rods 1½ in., filling rods 1 in., average shipping w't 98 lbs., each★ ..... **AAIJ** $19.80

A square tubing design. Has block modeled pillar caps, pillar bases in bright brass. Fine filling rods add strength in appearance and in fact.

BRASS.



No. 3019—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 53½ in., at foot 33½ in., pillars 2 in., top tube ¾ in., bottom tube ⅝ in., filling tubes ½ in., average shipping w't 92 lbs.★ .....each **JGIJ** $13.20

A light graceful brass bed. Fitted with extra large, easy rolling casters.

BRASS.



No. 3020—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 51 in., at foot 30 in., pillars 2 in., top, bottom and filling tubes 1 in., average shipping w't 122 lbs., each★ ..... **ACHE** $23.10

A favorite. Can be had all bright or all satin. The proportions are excellent.



No. 3021—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 54½ ., at foot 33½ in., pillars 2 in., bottom and filling tubes 1 in., average w't 117 lbs.★ each **AEEJ** $27.50

Continuous pillars in generous size ornamented with husks. Filling tubes are connected to top and bottom rods with large ball trimmings.



No. 3022—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58 in., at foot 37 in., pillars, bottom and filling tubes 2 in., average shipping w't 164 lbs.★ each **AIHJ** $33.00

A prime favorite. The unusually heavy husks on foot pillars near the bottom tube gives an air of solidity and richness. Also the ball trimmings on the seven filler tubes.

BRASS



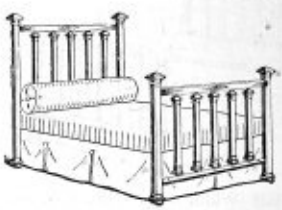
No. 3023—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 56 in., at foot 36 in., pillars, top tube 2 in., bottom and filler tubes 1 in., shipping w't 132 lbs., each★ ..... **AFDJ** $27.30

Made of strong, large diameter brass tubing. Pillars and top tube same size. Ball knobs connect top tube and pillars and the five filler tubes are tipped with acorns.



No. 3024—Widths, 4 ft. 6 in., 4 ft., 3 ft., 6 in. and 3 ft., height at head 52¾ in., at foot 30 in., pillars 2 in., square top tube and transverse 1¼ in., bottom and filler tubes 1 in., average shipping w't 141 lbs., each★ ..... **BBDE** $37.40

Pleasing variety if offered by the square top tube. Modified disc pillar caps and bases of same design. A well proportioned bed.

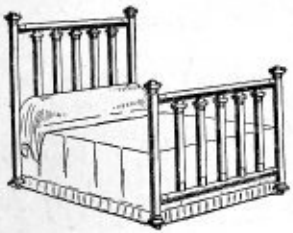


No. 3025—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 57 in., at foot 36 in., pillars 2 in., top tube 1½ in. square, bottom and filing tubes 1¼ in., average shipping w't 164 lbs.★.....each **BDDJ** $40.70

Neither gaudy or plain. The happy medium for those with no decided preferences.

STEEL BEDS ALWAYS FURNISHED IN WHITE ENAMEL FINISH AND 4 FT 6 IN. WIDTH UNLESS OTHERWISE SPECIFIED. STATE WHETHER REGULAR OR REVERSED RAILS ARE WANTED.

BRASS BEDSTEADS.



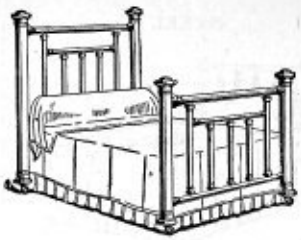
No. 3026—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 57 in., at foot 37 in., pillars and top, bottom and filling tubes 2 in., average shipping w't 171 lbs., each★ ..... **BBGE** $37.95

The pillars and tubes being of exceptionally large diameter and uniform size, this bed presents a strong impression of substantial comfort.



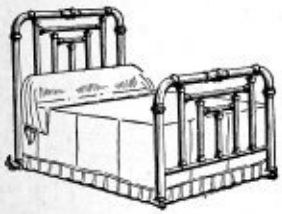
No. 3029—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58 in., at foot 37 in., pillars 2½ in., top and filling tubes 1½ in., average shipping w't 170 lbs., each★ .....**BCGE** $39.60

Fits any style of bed room decoration. Special attention called to the manner in which the pillar cap and base design is carried out in the treatment of the fine filler tubes in head and foot.



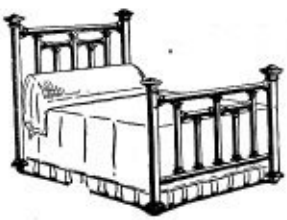
No. 3032—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58½ in., at foot 37½ in., pillars 3 in., top tube 2 in., bottom transverse and filling tubes 1¼ in., average shipping w't 191 lbs.★.....each **CJCE** $50.60

Designed for those who desire a heavy looking bed.



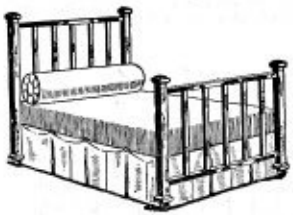
No. 3027—Widths 4 ft. 6 in., 4 ft. and 3 ft. 6 in., height at head 58 in., at foot 38 in., pillars top tube 2 in., bottom tube 1¼ in., transverse and filling tubes 1½ in., average shipping w't 160 lbs.★ each **BGGJ** $46.20

A magnificent bed. The liberal use of large husks in bright brass, the elaborate foot and head filling and the large tubing go to make this a most showy and satisfactory bed.



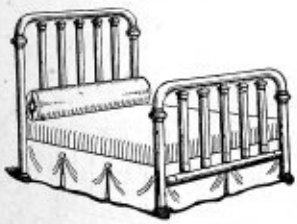
No. 3030—Widths 4 ft. 6 in., 4 ft. 3 ft. 6 in. and 3 ft., height at head 58 in., at foot 39 in., pillars 2 ½ in., top tube 2 in., bottom and filling tubes 1¼ in., average shipping w't 185 lbs.★ .....each **BGGJ** $46.20

Broad, flat pillar caps in bright brass, the same treatment lavishly carried out in filling top and cross tubes make this a rich, highly ornamental bed.



No. 3033—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58 in., at foot 36 in., pillars 2 in., top tube 1½ in., bottom tube ¾ in., filling tubes 1 in., average shipping w't 152 lbs.★ .....each **CIFJ** $66.00

A beautiful, clear cut design. The block modeled pillar caps add a touch of genteel decoration.



No. 3028—Width 4 ft. 6 in., 4 ft. and 3 ft. 6 in., height at head 58 in., at foot 37 in., pillars and top and bottom filling tubes 2 in., average shipping w't 164 lbs.★ each **BEAJ** $41.80

A "stately" bed. Filling tubes same in diameter as the pillars give an impression of height. Ornamentation in heavy husks is reserved and in good taste.



No. 3031—Widths 4 ft. 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58½ in., at foot 37½ in., pillars 3 in., top tube 1¼ in., bottom and filling tubes 1 in., average shipping w't 184 lbs.★ .....each **BCGE** $39.60

Extra large pillars, caps and bases with smaller tubes make this a bed of quiet elegance of design.



No. 3034—Widths 4 ft., 6 in., 4 ft., 3 ft. 6 in. and 3 ft., height at head 58 in., at foot 37 in., pillars and top tube 2 in., bottom tube 1 ¾ in., filling tubes 1 in., average shipping w't 159 lbs.★.....each **EBHJ** $88.00

The graceful curve of top tube in a design that is rectangular is most pleasing. The entire absence of any attempt at decoration brings out the full value and elegance of brilliantly finished brass.

BRASS BEDS ALWAYS FURNISHED IN REGULAR BRIGHT FINISH AND 4 FT. 6 IN. WIDTH UNLESS OTHERWISE SPECIFIED. ALWAYS STATE WHETHER REGULAR OR REVERSED RAILS ARE WANTED.

DIVANS, DAVENPORTS AND MATTRESSES.

FOLDING DIVANS.



No. 3035—Strong, all steel frame, simple and positive locks, oil tempered helicals and spirals, link fabric, width open 43½ in., width of seat 22 in., h't 16 inches, shipping w't 50 lbs., each★ ..... CJJ $4.95



Hand Maple Frame, Varnished Single Pencil Weave Fabric, Folds Flat.

No. 3036—Ft.	2½x6	3x6
Shipping w't, lbs.	31	31
Each	$3.10★	3.42★
	AHJ	BJE

Support consists of liquor bright wire spirals fastened to wires of which those running lengthwise are attached to frame with helicals.



Hard Maple Frame, Varnished, Strong Single Weave Fabric, Folds Flat.

No. 3037—Ft.	2½	3
Shipping w't, lbs.	30	30
Each	$2.30★	2.65★
	ADJ	AFJ

The best upright cot on the market.

FOLDING DIVANS.

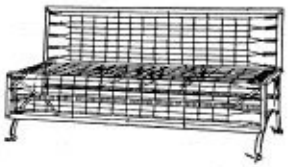


No. 3038—Strong, all steel frame, simple and positive locks, oil tempered helicals and spirals, link fabric, oxidized copper finish, width of seat open 49½ in., h't 19 in., length 74 in., shipping w't 65 lbs.★ ....each DCJ $7.15

Angle Iron Posts, Angle Steel Ends and Side Rails, Link Fabric, Oxidized Copper Finish, Folds Flat, Fabric 14½ Inches from Floor, Height of Ends 19 Inches.

No. 3039—Ft.	2½x6	3x6
Shipping w't, lbs.	31	36
Each	$2.90★	3.20★
	AEJ	AIJ

FOLDING DAVENPORTS.



No. 3040—Strong, steel frame, simple and positive locks, oil tempered helicals and spirals, link fabric, oxidized copper finish, width of seat, 21 in., width open 53½ in., h't 19 in., length 74 in., h't of back 17½ in., shipping w't 69 lbs.★ .....each ECJ $8.80

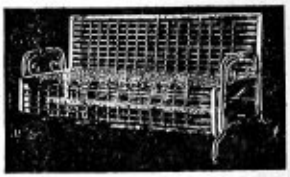


Hard Maple Frame, Extra Good Grade Heavy Duck Covering, Folds Flat.

Shipping weight 17 lbs., each★ ..... BAJ $3.50

This army cot never failed to interest one looking for a light portable bed.

FOLDING DAVENPORTS.

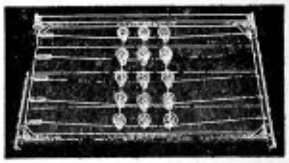


No. 3042—Strong, steel frame, posts and arms 1⅛ in. tubing, scrolls on arms, simple and positive locks, oil tempered helicals and spirals, Simmons fabric, oxidized copper finished frame, width of seat 21 in., height 20 in., height of back 18 in., width open 53 in., length 74 in., shipping w't 79 lbs.★ .....each JFFJ $11.00



No. 3043—Continuous pillars 1⅛ in., Simmons fabric, angle steel end and side rails, oxidized copper finish, folds flat, fabric 14¼ in. from floor, size 2 ft. 6 in. x 6 ft., height of ends 24 in., shipping w't 44 lbs., each★ ..... CEJ $5.85

WOVEN WIRE MATTRESS.

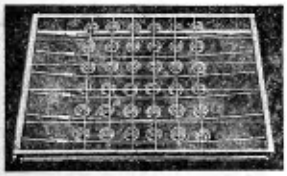


No. 3044—Single weave fabric, edges supported by heavy wire running lengthwise through outside coil and attached to end rails, angle steel frame, frame finished in black, shipping w't 34 lbs., each★BBE $3.75

Support is made of liquor bright spirals fastened to wires of which those running lengthwise are attached to end angles.

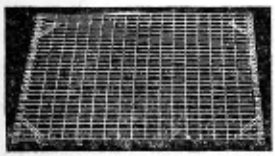
MATTRESSES AND SPRINGS.

MATTRESSES.



No. 3045—Length 4 ft. 6 in., double pencil weave fabric, side rails of 1¼in., tubing, angle steel end rails, fabric is elevated 6 in. above side rails by malleable corner castings, finished in gold bronze, 6 row coppered spring support, w't 56 lbs., each★ ..... DGE $7.90

SPRINGS.



No. 3046—Link fabric with cable edges attached to angle frame by means of oil tempered helicals, japanned, shipping w't 38 lbs., each★BCJ $3.85



No. 3047—Angle end rails 1¼ in., bent pipe side rails, fabric attached to end angles by highly tempered helical fabric is elevated 4 in. above side rail, frame is finished in gold bronze, w t 46 lbs.....each★ CEJ $5.85

SPRINGS.

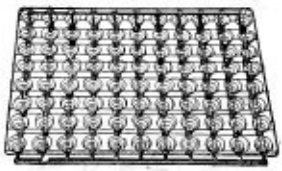


No. 3048—Link fabric, side rails 1½ in. tubing, angle steel end rails, fabric is elevated 6 in. above side rails, malleable corner casting, frame finished in gold bronze, w't 55 lbs., each★ ..... DDE $7.40

Fabric edged with steel bands and attached to end angles by highly tempered helicals which cause an equal distribution of weight no matter how great.



No. 3049—Slat fabric, 1¼ in. pipe side rails, angle end rails, fabric is elevated 6 in. above side rails by malleable corner castings, gold bronzed frame, w't 57 lbs., each★EAE $8.60



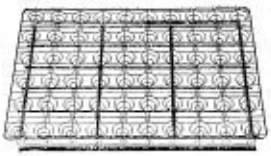
No. 3050—Best grade high carbon, steel wire, oil tempered at 800 degrees F., 88 extra heavy continuous wind spirals attached to frame of steel bands, steel strip sides rest on the side rails of bedstead, requires no separate slats, japanned, patent interlocking top, w't 69 lbs., each★ ..... CIE $6.60

SPRINGS.



No. 3051—Best grade high carbon steel wire, oil tempered at 800 degrees F., 80 continuous wind spirals attached to frame of steel bands, the ends of which are shaped to rest upon the side rails of bedstead, steel plates connecting helicals and coils finished in oxidized copper, balance of spring japanned, w't 81 lbs., each★ ..... JHBE $13.25

Requires no separate slats. Each coil is connected with each adjacent coil by small helical springs making a most elastic and comfortable spring.



No. 3052—Spiral spring, best grade high carbon steel wire, 60 continuous wind double cone spirals 8 in. high, securely fastened in center with steel bands, spirals are attached to frame of steel bands made with steel angle sides which rest on the side rail of bed, patented interlocking top, black Japan finish, w't 85 lbs., each★ ..... JFAJ $10.12



No. 3053—Best grade high carbon steel, 120 reversed coils, patented interlocking top on both sides, width 4 ft. 4 in., black Japan finish, shipping w't 27 lbs., each★..... BDJ $3.95

No. 3054—Standard steel spring wire, 120 continuous wind spirals, japanned, fitted both sides with patent interlocking top, shipping w't 36 lbs., each★ ..... AFJ $2.65

IRON CRIBS.



Steel Drop Sides, Pillars ⅞ Inch, Top Rod ⅜ Inch, Angle Iron Bottom Rod, Fillers ¼ Inch, Link Fabric Spring, Height of Head 40½ Inches, Height of Foot 40½ Inches, Depth of Sides 17 Inches, Shipping Weight 95 Pounds.

No. 2054—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★ .....each **CIE** $6.60

No. 2054—26-G—Size 2 ft. 6 in. x 4 ft. 6 in., pea green★....each **CIE** $6.60

No. 2054—30—Size 3 ft. x 5 ft., white, each★ .....**DDJ** $7.30

No. 2054—30-G—Size 3 ft. x 5 ft., pea green★ .....each **DDJ** $7.30



Steel Sliding Side, Pillars ⅞ Inch, Filling Rods ¼ Inch, Link Fabric Spring, Brass Top Mounts, Height of Head 42½ Inches, Height of Foot 42½ Inches, Depth of Sides 19 Inches, Shipping Weight 95 Pounds.

No. 2055—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★.....each **JFAJ** $10.20

No. 2055—26-G—Size 2 ft. 6 in. x 4 ft. 6 in., pea green★..each **JFAJ** $10.20

No. 2055—26-VM—Size 2 ft. 6 in. x 4 ft. 6 in., Vernis Martin, each★ .....**JFAJ** $10.20

No. 2055—30—Size 3 ft. x 5 ft., white, each★ .....**JFEJ** $10.80

No. 2055—30-G—Size 3 ft. x 5 ft., pea green★ .....each **JFEJ** $10.80

No. 2055—30-VM—Size 3 ft. x 5 ft., Vernis Martin★...each **JFEJ** $10.80



Steel Sliding Side, Pillars ⅞ Inch, Filling Rods ⅛ Inch, Top and Bottom Rod ⅛ Inch, Link Fabric Spring, Height of Head 46 Inches, Height of Foot 46 Inches, Depth of Sides 21 Inches, Shipping Weight 122 Lbs.

No. 2056—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★.....each **JFIJ** $11.50

No. 2056—26-G—Size 2 ft. 6 in. x 4 ft. 6 in., pea green★..each **JFIJ** $11.50

No. 2056—26-VM—Size 2 ft. 6 in. x 4 ft. 6 in., Vernis Martin, each★ .....**JFIJ** $11.50

No. 2056—30—Size 3 ft. x 5 ft., white, each★ .....**JGCJ** $12.20

No. 2056—30-G—Size 3 ft. x 5 ft., pea green★ .....each **JGCJ** $12.20

No. 2056—30-VM—Size 3 ft. x 5 ft., Vernis Martin★.....each **JGCJ** $12.20



Steel Sliding Side, Pillars ⅞ Inch, Top Tube ⅞ Inch, Bottom Rods ⅛ Inch, Filling Rod ⅛ Inch, Husked Brass Spindles ½ Inch, Top and Bottom Rods Sides ⅛ Inch, Filling Rods Sides ¼ Inch, Link Fabric Spring, Height of Head 49¾ Inches, Height of Foot 49¾ Inches, Depth of Sides 19 Inches, Shipping Weight 117 Pounds.

No. 2057—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★.....each **JHAJ** $13.50

No. 2057—26-VM—Size 2 ft. 6 in. x 4 ft. 6 in., Vernis Martin, each★ .....**JHAJ** $13.50

No. 2057—30—Size 3 ft. x 5 ft., white, each★ .....**JHDJ** $14.00

No. 2057—30-VM—Size 3 ft. x 5 ft., Vernis Martin★.....each **JHDJ** $14.00



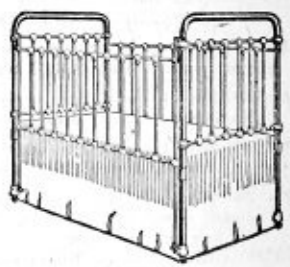
Steel Sliding Side, Pillars ⅞ Inch, Filling Rods ⅛ Inch, Link Fabric Spring, Height of Head 43½ Inches, Height of Foot 43½ Inches, Depth of Sides 19 Inches, Shipping Weight 90 Pounds.

No. 2058—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★.....each **JGHJ** $13.00

No. 2058—26-VM—Size 2 ft. 6 in. x 4 ft. 6 in., Vernis Martin, each★ .....**JGHJ** $13.00

No. 2058—30—Size 3 ft. x 5 ft., white, each★ .....**JHAJ** $13.50

No. 2058—30-VM—Size 3 ft. x 5 ft., Vernis Martin★.....each **JHAJ** $13.50



Steel Sliding Side, Pillars ⅞ Inch, Filling Rods ¼ Inch, Link Fabric Spring, Height of Head 42 Inches, Height of Foot 42 Inches, Depth of Sides 17½ Inches, Shipping Weight 108 Pounds.

No. 2059—26—Size 2 ft. 6 in. x 4 ft. 6 in., white★.....each **JFFJ** $11.00

No. 2059—26-VM—Size 2 ft. 6 in. x 4 ft. 6 in., Vernis Martin, each★ .....**JFFJ** $11.00

No. 2059—30—Size 3 ft. x 5 ft., white, each★ .....**JFIJ** $11.50

No. 2059—30-VM—Size 3 ft. x 5 ft., Vernis Martin★.....each **JFIJ** $11.50

★*FOR FACTORY SHIPMENT ONLY, NEAR CHICAGO, ILL.*

BOX SPRINGS, PADS AND MATTRESSES.

UPHOLSTERED BOX SPRINGS.



At first thought, an upholstered box spring is considered expensive, compared with an ordinary wire spring, but taking into consideration the fact that they require only half the weight in a mattress on top, the saving that one would acquire in the difference of a Hair mattress, will about balance the cost of the two kinds of springs, and the refreshing rest obtained from the upholstered spring is of great importance.

Each of the 72 highly tempered double coil wire springs, tied eight times with the best Italian hemp twine, individually responds to the different shape and weight of the respective parts of the body, thus causing unhampered blood circulation, hence restful slumber. Made with hardwood frame, firmly jointed with angle irons, covered in best grades of ticking in fancy stripe or floral designs.

Always state whether for a metal or wood bed and give the exact inside measurements between the side rails and between head and foot rail.

No. 290—With palm leaf fiber top, plain edge★ ..... each **ACBJ** $22.00

No. 291—With elastic cotton felt top, plain edge★ .....each **AHJJ** $30.00

No. 292—With curled hair top, plain edge★ ..... each **AHFJ** $31.00

No. 294—With Imperial edge, otherwise as No. 291★ ..... each **AIBJ** $32.00

No. 295—With Imperial edge, otherwise as No. 292★.....each **BAFJ** $36.00

No. 296—With full Turkish upholstered, Imperial edge, with extra quality curled hair top, a luxurious spring, each ..... **BCDJ** $39.00

SPECIAL COMBINATION UPHOLSTERED BOX SPRINGS AND HAIR MATTRESS OUTFIT.

This outfit is offered for the benefit of those who wish to purchase an entire outfit to match, the price of which is proof that it costs no more for this 20-lb. curled hair mattress and upholstered box spring than it would for an ordinary wire spring and the 40-lb. mattress which it would require. Furnished in heavy grade fancy stripe ticking.

No. 100—Combination outfit consisting of 1 No. 291 elastic felt top upholstered box spring, 1 No. 186 20-lb. long black curled hair mattress, each★ .....**BGIJ** $46.50

ELASTIC COTTON FELT MATTRESSES.



Caution to the Dealer—Many states have recently passed laws prohibiting the use of second hand materials in the manufacture of mattresses unless so labelled, providing a heavy penalty for not only the manufacturer, but also THE DEALER, who offers for sale goods not labeled accordingly, it is imperative that the dealer handles only reputable good.. OUR GOODS PROTECT THE DEALER, being manufactured of ALL NEW MATERIALS and labelled to COMPLY WITH THE LAWS OF ALL STATES.

Our elastic felt is made from pure cotton by a special process whereby the cotton is formed into hundreds of silky-like layers the full size of the mattress, carefully filled, then firmly stitched and finished by the most skilled workmen. All of our mattresses are extra well filled in the center, which is of much importance in the lasting qualities. **Note—Always state exact size wanted both in width and length.**

ALL COTTON MATTRESS.

Filled with absolutely all new picked cotton, carefully filled, closely tufted, finished with a firm, sewed, welted edge, covered with a good grade of fancy stripe or floral ticking.

No. 300—Size Ft.....	4½x6½	4x6½
Each	$14.50★	14.50★
	JHGJ	JHGJ
No. 300—Size Ft.....	3½x6½	3x6½
Each	$14.00★	13.50★
	JHDJ	JHAJ

FELT MATTRESS.

A good staple medium colored felted cotton, absolutely all felt covered in good grade ticking either floral design or fancy stripe, well finished with a strong welted edge.

No. 301—Size Ft.	4½x6½	4x6½
Weight, lbs.	45	40
Each	$16.50★	16.50★
	JIIJ	JIIJ
No. 301—Size Ft.....	3½x6½	3x6½
Weight, lbs.	35	30
Each	$16.00★	15.50★
	JIFJ	JICJ

In two parts, extra..each **JIJ** $1.50

FELT MATTRESS.

Is of good grade of felt, a 50-lb. scale with a Drexel Finish, consisting of Imperial Roll Edge, 4 rows of side stitching and round corners, covered with extra weight ticking in fancy stripe.

No. 304—Size Ft.....	4½x6½	4x6½
Weight, lbs.	50	45
Each	$23.00★	23.00★
	ACHJ	ACHJ
No. 304—Size Ft.....	3½x6½	3x6½
Weight, lbs.	40	35
Each	$21.50★	21.00★
	ABIJ	ABFJ

In two parts, extra....each **JIJ** $1.50

FELT MATTRESS.

Is filled with good grade of felt and made in the 50-lb. scale to the full size for those who wish an extra thick mattress finished with roll edge and round corners, with an extra finish of an extra row of side stitching all around the edge of the mattress, producing a firm edge and covered in an extra grade of sateen finish ticking.

No. 303—Size Ft.....	4½x6½	4x6½
Weight, lbs.	50	45
Each	$21.00★	21.00★
	ABFJ	ABFJ
No. 303—Size Ft.....	3½x6½	3x6½
Weight, lbs.	40	35
Each	$19.50★	19.00★
	AAGJ	AADJ

In two parts, extra....each **JIJ** $1.50

FELT MATTRESS.

Is made of an extra fine grade of white cotton, making a very buoyant and resilient mattress for the most particular trade, finished with Imperial edge, 3 rows of side stitching and round corners, covered with extra heavy weight ticking in fancy stripe or floral design.

No. 305—Size Ft.....	4½x6½	4x6½
Weight, lbs.	45	40
Each	$34.00★	34.00★
	BJDJ	BJDJ
No. 305—Size Ft.....	3½x6½	3x6½
Weight, lbs.	35	30
Each	$33.30★	32.80★
	BJIJ	AIGJ

In two parts, extra....each **JIJ** $1.50

MATTRESS PADS FOR SANITARY COUCHES AND DAVENPORTS.

Always Give Size Wanted.

No. 251—Standard, all cotton pad, covered with art cretonne or plain green ticking★ ..... each **CFJ** $6.00

No. 252—All elastic cotton felt pad with a 2-inch box edge, art cretonne or plain green covering, each★ ..... **DHJ** $8.00

CRIB OR COT MATTRESSES.

Excelsior Cotton Top.

No. 261-CC, Size Ft....	2½x4½	3x5	2½x6	3x6
Each	$4.00★	4.50★	4.50★	5.00★
	BDJ	BGJ	BGJ	CJJ

Excelsior Cotton Reversible.

No. 262-CC, Size Ft....	2½x4½	3x5	2½x6	3x6
Each	$4.50★	5.00★	5.00★	5.50★
	BGJ	CJJ	CJJ	CCJ

All New Cotton.

No. 269-CC, Size Ft....	2½x4½	3x5	2½x6	3x6
Each	$6.00★	6.50★	7.30★	7.80★
	CFJ	CIJ	DDJ	DGJ

Cotton Felt.

No. 272-CC, Size Ft....	2½x4½	3x5	2½x6	3x6
Each	$6.30★	7.00★	8.00★	8.40★
	CHJ	DBJ	DHJ	EJE

★FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.

MATTRESSES AND PILLOWS.

CURLED HAIR MATTRESS.



Promote Cleanliness, Economy and Satisfaction.

While the original cost of a hair mattress is somewhat more than those of other fillings, nevertheless they are actually an economical investment, from the fact that a good grade hair mattress will last practically a life time, and the satisfactory rest derived is well worth the difference.

From a sanitary view, they are without a parallel, the looseness of the hair promotes ventilation. The leading hospitals throughout the country use hair matresses exclusively.

Medium Length Curled Hair, Covered in Best Grade of ACA Stripe Ticking.

No. 182—Size Ft.	4½x6½	4x6½
Weight, lbs.	40	35
Each	$32.00★	30.00★
	AIBJ	AHJJ

No. 182—Size Ft.	3½x6½	3x6½
Weight, lbs.	30	25
Each	$28.00★	26.00★
	AFHJ	AEFJ

Good Grade of Medium Curled, Black Hair, in Best Grade of Fancy Stripe or Floral Sateen Finish Ticking.

No. 184—Size Ft.	4½x6½	4x6½
Weight, lbs.	40	35
Each	$35.00★	33.00★
	BAJJ	AIHJ

No. 184—Size Ft.	3½x6½	3x6½
Weight, lbs.	30	25
Each	$31.00★	29.00★
	AHFJ	AGDJ

Extra Grade of Long, Curled Black Hair, Covered With Very Best Grade of Closely Woven Ticking, Sateen Finish, in Plain, or Fancy Stripe or Floral Design. Finished With a Strong Welted Edge.

No. 186—Size Ft.	4½x6½	4x6½
Weight, lbs.	40	35
Each	$46.00★	42.00★
	BGFJ	BEBJ

No. 186—Size Ft.	3½x6½	3x6½
Weight, lbs.	30	25
Price, Each	$38.00★	34.00★
	BBHJ	BJDJ

Super Extra Grade of Long Black Curled Hair, Will Suit the Most Critical. Covered With Most Durable of Sateen Finish Ticking in Fancy Stripe or Floral Art Gobelin Designs. Finished With Strong Welted Edge and Rounded Corners. Closely Tufted. A Mattress of Supreme Quality.

No. 187—Size Ft.	4½x6½	4x6½
Weight, lbs.	40	35
Each	$54.00★	50.00★
	CBDJ	CJJJ

No. 187—Size Ft.	3½x6½	3x6½
Weight, lbs.	30	25
Each	$48.00★	44.00★
	BHHJ	BFDJ

OUR "NEVER-STRETCH" FELT MATTRESS.



Mattress Patented.

So constructed that it will not spread over the edge of the spring as does the ordinary mattress.

In the sewing of the ticking pockets are formed, giving the tufts a reinforcement, thus preventing the old complaint of the tufts pulling through the ticking. Finished with roll edge and round corners, firmly reinforced with three rows of side stitching.

Filled with an excellent grade of cotton felt and covered with durable, sateen finish ticking, fancy stripe or floral design.

No. 306—Size Ft.	4½x6½	4x6½
Weight, lbs.	50	45
Each	$26.00★	25.50★
	AEFJ	AECJ

No. 306—Size Ft.	3½x6½	3x6½
Weight, lbs.	40	35
Each	$25.00★	24.50★
	AEJJ	ADGJ

In two parts, extra....each **JIJ** $1.50

STANDARD MATTRESSES.



Excelsior Cotton Trap Mattresses.

Filled With a Layer of Pure, Clean, Ribbon Band Excelsior, Covered With a Layer of Felted Cotton, Good Grade of Ticking, Finished With a Strong Welted Edge and Firmly Tufted.

No. 261, Size Ft.	4½x6	4x6	3½x6	3x6
Each	$5.20★	5.20★	5.00★	4.80★
	CAJ	CAJ	CJJ	BIJ

Excelsior Cotton Reversible Mattress. Made as No. 261, Except That it Has Layer of Cotton Felt on Each Side, So That it May Be Reversed and Used on Either Side.

No. 262— Size Ft.	4½x6	4x6	3½x6	3x6
Each	$6.40★	6.40★	6.10★	5.80★
	CHE	CHE	CFE	CEJ

Combination Mattress.

Filled With Alternating Layers of Ribbon Band and Fine Excelsior, With an Extra Heavy Layer of Felted Cotton and All Around the Edges. Covered in An Extra Grade of Fancy or Plain Stripe Ticking, Strong Welted Edge and Firmly Tufted.

No. 263, Size Ft.	4½x6	4x6	3½x6	3x6
Each	$8.40★	8.40★	8.00★	7.80★
	EJE	EJE	DHJ	DGJ

SILK FLOSS—KAPOK—MATTRESS.

Soft, Resilient, Luxurious, Light in Weight.

The filling of "Silk Floss" used in this mattress is mainly composed of "Kapok," otherwise known as vegetable silk and is especially recommended to those who wish a very soft mattress, and also on account of their comparative lightness of weight, only weighing about two-thirds of the weight of other mattresses. This will appeal strongly to the housewife in handling.

No. 307—Size Ft.	4½x6½	4x6½
Weight, lbs.	28	25
Each	$24.00★	23.00★
	ADDJ	ACHJ

No. 307—Size Ft.	3½x6½	3x6½
Weight, lbs.	22	19
Each	$22.00★	21.00★
	ACBJ	ABFJ

PILLOWS.



No. 307—Combination filling, 19x26 in., w't 6 lbs.★.....per pair **JIJ** $1.50

No. 309-A—Fine crushed turkey feathers, fancy striped ticking, 18x25 in., w't 5 lbs.★.....per pair **ABJ** $2.00

No. 309-B—19x25 in., w't 6 lbs., otherwise same as No. 309-A, per pair★..... **AEJ** $2.50

No. 309-C—20x26 in., w't 7 lbs., otherwise same as No. 309-A, per pair★..... **AHJ** $3.00

No. 310—Special selected hen feathers, fancy art ticking, 20x26 in., w't 7 lbs., per pair★..... **BAJ** $3.50

No. 311—Special mixture duck feathers, benutiful fancy art ticking, 20x26 in., w't 7 lbs.★.....per pair **BGJ** $4.50

No. 312—Dark goose feathers and duck, best grade fancy art ticking, 21x26 in., w't 8 lbs.★.....per pair **CCJ** $5.50

No. 314—Dark Color of genuine goose down, imported linen ticking, 22x27 in., w't 5 lbs.★.....per pair **DEJ** $7.50

No. 315—Half goose down and half prime live goose feathers, fancy art ticking, 21x27 in., w't 5 lbs., per pair★..... **DIJ** $8.20

No. 316—Extra selected sanitary white prime goose feathers, best fancy stripe or art ticking, 22x28 in., w't 5 lbs., per pair★..... **EDJ** $9.00

No. 317—Prime live goose down, soft and buyant, genuine pure German linen, 22x28 in., w't 4 lbs., per pair★..... **JFIJ** $11.50

All pillows and feathers listed above are guaranteed to be absolutely odorless, and to be free from dust and quills. The ticking used on these pillows is dust proof and the best obtainable.

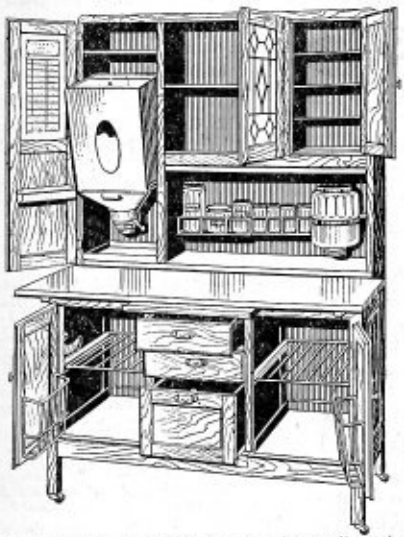
KITCHEN CABINETS.



No. 675 REVERSE—White enameled, height 70 in., width 41 in., extension table top 40x28 in., table top extended gives working space 40x39 in., made of steel, covered with three coats of white enamel, absolutely sanitary, mouse proof, spice jars, coffee and tea jars, flour sifter and a large sugar jar furnished with each cabinet, also chopping board and cooling rack, shipping w't approximately 250 lbs., each★ $56.00
F. O. B. Chicago, Ill.



No. 726—Oak base, h't 72 in., Nicolene pull-out base top is 42x26 in. closed, roll top on right hand lower compartment of canopy, canopy white enamel inside, cabinet finished in golden oak dull, 50-lb. tilting flour bin, 9-piece set Colonial glass jars, shipping w't 250 lbs.....each★ **BDJJ** $40.00



No. 725—Oak base, height 72 in., Nickolene pull-out base top is 48x26 in. closed, overlapping dust-proof doors, roll top on right hand lower compartment of canopy, sand blast art glass used in doors, cabinet finished in golden oak dull, canopy white enameled inside, 50-lb. tilting flour bin, nine-piece set Colonial glass jars, shipping w't 275 lbs., each★ ..... **BFDJ** $44.00



No. 727—Oak base, h't 72 in., Nickolene pull-out base top, 42x26 in. closed, canopy white enameled finish inside, cabinet finished in golden oak dull, 50-lb. tilting flour bin, 9-piece set Colonial glass jars, shipping w't 250 lbs., each★ ..... **BBEJ** $37.50

Porcelain tops instead of Nickolene for Nos. 726 and 727..... each **CIJ** $6.50

★*WOOD CABINETS ARE F. O. B. FACTORY IN CENTRAL INDIANA.*

KITCHEN CABINETS.



No. 662—Made of oak, dull golden oak finish, height 69 in., base top 26x42 in., covered with nickeloid, canopy is dust proof 37 in. wide by 19 in. high, 11 in. deep, flour bin capacity 60 lbs., no glassware or utensils furnished, shipping w't 215 lbs.....each **ACHJ** $23.00



No. 728—Oak base, h't 68 in., Nickolene pull-out base top is 40x46 in. closed, canopy white enameled inside, cabinet finished in golden oak dull, 35-lb. tilting flour bin, eight-piece set Colonial glass jars, shipping w't 225 lbs., each★ ..... **BJDJ** $34.00



No. 262—Made of oak, thoroughly kiln dried, height 67 in., dull golden oak finish, base top 26x42 in., made of hardwood sanded smooth and unfinished, canopy 37 in. wide, 19 in. high and 11 in. deep, shipping w't 175 lbs., each .....**AJEJ** $17.50



No. 729—Oak base, h't 68 in., Nickolene pull-out base top 38x26 in. closed, canopy white enameled inside, cabinet finished in golden oak dull, 35-lb. tilting flour bin, eight-piece set Colonial glass jars, shipping w't 220 lbs., each★ ..... **AIEE** $32.60

★*FOR SHIPMENT FROM FACTORY ONLY, CENTRAL INDIANA.*

LEAD PENCILS.





Extra Fine Grade, Compressed Graphite, Highly Polished, Yellow, with Screw Rubber Tip.

No. 342 H.S.B.&CO.—HB, soft medium * ..... per gross J F I J $12.00
No. 343 H.S.B.&CO.—F, medium * ..... per gross J F I J 12.00
No. 344 H.S.B.&CO.—H, hard * ..... per gross J F I J 12.00

ONE DOZEN IN A PASTEBOARD BOX; ONE-HALF GROSS IN A CARTON. W'T 3¼ LBS. PER GROSS.

Strictly High Grade, Very Attractive, "H. S. B. & Co.'s H.S.B.&CO." Imprinted in Gold.

No. 642 H.S.B.&CO.—Soft medium, hexagon, special blue finish, round gilt tips and rubbers ..... per gross J E D J $11.00
No. 542 H.S.B.&CO.—Soft medium, hexagon, green finish, round gilt tips and rubbers * ..... per gross J F J J $11.00
No. 543 H.S.B.&CO.—Medium, hexagon, green finish, round gilt tips and rubbers * ..... per gross J F J J 11.00
No. 085 H.S.B.&CO.—HHHHH, hard, hexagon, alternate red and black stripes, very hard, used extensively by carpenters on soft wood * ..... per gross J E D J 10.00

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A PASTEBOARD BOX. W'T 3¼ LBS. PER GROSS.



No. 742 H.S.B.&CO.—Round Corner Hexagon, purple finish, gold stamp, No. 2 superfine lead, corrugated gilt screw tip, red rubber* ..... per gross E D J $9.00
No. 743 H.S.B.&CO.—No. 3, superfine lead, otherwise same as No. 742 H.S.B.&CO. * ..... per gross E D J $9.00



No. 252 H.S.B.&CO.—Special, hexagon, alternate red and black sides, gold stamp, No. 2 lead, screw rubber tip, per gross * ..... E D J $8.40
No. 253 H.S.B.&CO.—Special, hexagon, alternate red and black sides, gold stamp, No. 3 lead, screw rubber tip, per gross * ..... E D J $8.40

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX. W'T 2½ LBS. PER GROSS.



No. 47 H.S.B.&CO.—Hexagon, maroon, gold stamp, No. 2 lead, screw rubber tip * ..... per gross D H J $7.50
No. 19 H.S.B.&CO.—Hexagon, ebony, gold stamp, No. 3 lead, screw rubber tip * ..... per gross D H J $7.50

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX. W'T 3 LBS. PER GROSS.



No. 250—H. S. B. & Co.'s H.S.B.&CO. Purchasing Agent, round, yellow gold stamp, very large soft lead, w't per gro. 3 lbs., per gross ..... E D J $9.50

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.



No. 442—H. S. B. & Co.'s REVONOC hexagon, yellow, gold stamp, No. 2 superfine lead, screw rubber tip, per gross * ..... E A J $8.50
No. 443—H. S. B. & Co.'s REVONOC hexagon, yellow, gold stamp, No. 3 superfine lead, screw rubber tip, per gross * ..... E A J $8.50

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX. W'T 2½ LBS PER GROSS.



No. 352 REVONOC—Round, red and yellow striped, round gilt tip, gilt stamp on red stripe, highly finished, No. 2 compressed graphite, screw rubber tip.... per gross E A J $8.50
No. 352 5-10 REVONOC—No. 2 5-10 compressed graphite, a grade between No. 2 and No. 3, round, red and yellow striped round gilt tip, gilt stamp on red stripe, highly finished, screw rubber tip ..... per gross E A J $8.50
No. 353 REVONOC—Round, red and yellow striped, round gilt tip, gilt stamp on red stripe, highly finished, No. 3 compressed graphite, screw rubber tip.... per gross E A J $8.50

ONE DOZEN IN A PASTEBOARD BOX; SIX BOXES IN A CARTON. W'T 2½ LBS. PER GROSS.



No. 315—"Tip Top," round, maroon finish, gold stamp, screw rubber tip, w't per gro. 3 lbs..... per gross B B J $3.40



No. 465—"Beats All," round, maroon finish, gold stamp, No. 2 lead, screw rubber tip, w't per gro. 3 lbs., per gross ..... A H J $2.80



Dixon's Secretary.

No. 756—Round, satin, gold stamp, No. 2 lead, screw rubber tip, w't per gro. 2 lbs..... per gross D E J $7.00



No. 268—Dixon's Artisan, round, natural polished, plain stamp, round inserted rubber, w't per gro. 2¼ lbs., per gross ..... A D E $2.30



No. 259—Plain cedar, round, full size, no stamp, w't per gro. 2 lbs..... per gross J I J $1.30

ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.

Customer's name and address in addition to our number and trade mark in lots of ½ gross on these pencils at an additional cost of $8.75 net for imprinting the ½ gross. We cannot accept orders for less than ½ gross quantities.

342-№2-H.S.B.& CO'S Compressed Graphite

642-№2-H.S.B.& CO'S Compressed Graphite

542-№2-H.S.B.& CO'S Compressed Graphite

252 №2-H.S.B.& CO'S * Special

342 №2 H.S.B.& CO'S REV-O-NOC Superfine Lead

352-№2-H.S.B.& CO'S REV-O-NOC Compressed Graphite

№781-H.S.B.& CO'S OUR VERY BEST HIGH GRADE

№780-H.S.B.& Co's OUR VERY BEST

No.117 H.S.B.& Co's OUR VERY BEST

No.881-H.S.B.& Co's REV-O-NOC



216



1234

Pencils, Page 1801. *Pencil Assortments, Page 1806.*

PENCILS, PENCIL SHARPENERS AND PENCIL ASSORTMENTS.

LEAD PENCILS.



No. 350—Dixon's Best, round, blue, highly polished, gold stamp, extra quality blue lead, w't per gro. 3 lbs., per gross ..... AJHJ $18.00



No. 327—Dixon's Best Blue, hexagon, blue, highly polished, gold stamp, extra quality blue lead, w't per gro. 3 lbs., per gross ..... AJHJ $18.00

CLUTCH PENCILS.



No. 10—Cruso, heavy nickel plated brass case, complete with extra large lead and safety clip, w't per doz. ½ lb., per dozen ..... JHJ $1.20

ONE DOZEN IN A BOX.

No. 11—Extra leads for No. 10 Clutch, per doz. cases CF $0.60

TWO LEADS IN A METAL TUBE.

STEWART PENCIL SHARPENERS.



No. 1.



No. 2.

No. 1—Nickel plated, higthly polished, cutters of high carbon steel, will withstand graphite in any pencil, w't each 2 lbs., each ..... CCJ $3.50

No. 2—Stewart Jr., nickel plated, highly polished, cutters of high carbon steel, top of transparent celluloid, making cutters visible, w't each 1 lb. ..... AHJ $2.00

ONE IN A BOX.

DIXON'S PENCIL ASSORTMENTS.



No. 1244—This assortment consists of six dozen lead pencils, one dozen each of six kinds, all No. 2 lead, assorted colors, hexagon and round shapes, gold stamp, red and white rubber tips, w't per assortment 1½ lbs., per assortment BJJ $3.60

ONE ASSORTMENT IN AN EASEL DISPLAY BOX.

PENCIL ASSORTMENTS.



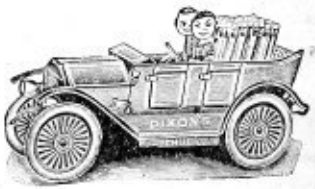
No. 216—Assortment of one-half gross lead pencils, consisting of one dozen each of six kinds, Dixon's Cabinet, Traveler, Talisman and Cosmos, assorted hexagon and round, colors, maroon, red, white, mottled and satin finish, gold stamp, three styles of rubber tips, w't per box 2 lbs., per box ..... AIJ $3.50

DIXON'S "DEPENDABLE" PENCIL ASSORTMENT.



No. 1238—A new and original design, the embossed base being an imitation of metal, contains six dozen good quality pencils in round and hexagon shapes, finished in an assortment of bright colors, with tips and rubbers, each assortment packed in a secure holding box for shipment, per box ..... BAJ $3.60

DIXON'S MOTOR CAR PENCIL ASSORTMENTS.



No. 1234—This assortment consists of six dozen good quality pencils in round and hexagon shapes, finished in attractive colors, with tips and rubbers.....per box BAE $3.75

ONE-HALF GROSS ASSORTED IN A BOX. PACKED FLAT IN INDIVIDUAL BOXES FOR SHIPMENT.

CARPENTER'S CRAYONS, PENCILS, ETC.

CARPENTERS' PENCILS.



No. 780 —7 in., H. S. B. & Co.'s , beveled, satin finish, silver stamp, w't per gro. 5 lbs., pe gross **EDJ** $8.50



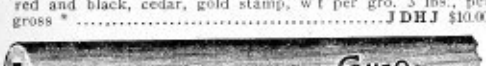
No. 781 —7 in., H. S. B. & Co.'s , "Higih Grade," finished in bright red, beveled edges in black, w't per gro. 5 lbs. * .....per gross **JFJJ** $10.00
No. 781-H —Hard, otherwise same as No. 781 , per dozen * .....**JFJJ** $10.00
No. 782 —9 in., H. S. B. & Co.'s , "High Grade," finished in bright red, beveled edges in black, w't per gro. 6 lbs. * .....pe rgross **JGBJ** $12.00



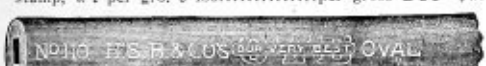
No. 881 —Finished in yellow, with beveled edges in green, silver stamp, w't per gro. 5 lbs., per gross * .....**JEGJ** $10.00



No. 117 —7½ in., H. S. B. & Co.'s , oval mottled, red and black, cedar, gold stamp, w't per gro. 3 lbs., per gross * .....**JDHJ** $10.00



No. 114—Cruso, 7 in., oval, white wood, with rule, blue stamp, w't per gro. 3 lbs.....per gross **BGJ** $4.00



No. 110 —7 in., oval, red cedar, plain stamp, w't per gro. 3 lbs .....per gross **CCJ** $5.00
No. 111 —9 in., oval, red cedar, plain stamp, w't per gro. 4 lbs.....per gross **CIJ** $6.00

CARPENTERS' PENCILS.



No. 538—7 in., Dixon's, framers, flat, beveled, rosewood stained, gold stamp.....per gross **JEGJ** $10.50
No. 539—9 in., otherwise same as No. 538, per gross .....**JGBJ** $12.00
W'T PER GROSS 4 LBS.



No. 511—7 in., Dixon's, flat, beveled, satin finish, gold stamp, w't per gro. 4½ lbs.....per gross **JEDJ** $10.00
No. 512—9 in., Dixon's, flat, beveled, satin finish, gold stamp, w't per gro. 5½ lbs.....per gross **JFIJ** $12.00
ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.

LUMBER CRAYONS.



Hexagon, Waterproof.

No. 260—Blue, 5¼x½ in.....per gross **JFJJ** $9.00
No. 261—Black, 5¼x½ in.....per gross **JFJJ** 9.00
No. 262—Red, 5¼x½ in.....per gross **JFJJ** 9.00
No. 263—Yellow, 5¼x½ in.....per gross **JFJJ** 10.00
No. 264—White, 5¼x½ in.....per gross **JFJJ** 10.00

Makes a smooth, bright, waterproof and permanent mark. Especially adapted to marking timber, boards, boxes, barrels and hard, rough surfaces.
ONE DOZEN IN A BOX. W'T 8 LBS. PER GROSS.



No. 361—Dixon's, graphite, black, 4⅝x⅜ in., w't per gro. 10 lbs.....per gross **JGBJ** $12.00



No. 365—Dixon's, hexagon, black, 4⅝x⅜ in., soft, w't per gro, 11 lbs.....per gross **JGBJ** $12.00
ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.



No. 520—Dixon's, hexagon, red, 4⅝x⅜ in., w't per gro. 15¼ lbs.....per gross **AJHJ** $20.00
No. 496—Yellow, otherwise same as No. 520, per gross .....**AJHJ** 20.00
No. 521—Dixon's, hexagon, blue, 4⅝x⅜ in., w't per gro. 10 lbs.....per gross **AJHJ** $20.00
No. 523—White, otherwise same as No. 521, per gross .....**AJHJ** 20.00
ONE DOZEN IN A PACKAGE; ONE-HALF GROSS IN A BOX.

RAILROAD CRAYONS.



No. 85 —Railroad, white, 4x1 in., w't per gro. 13½ lbs., per gross .....**JGJ** $1.30
No. 84 —Railroad, blue, 4x1 in., w't per gor. 13 lbs., per gross .....**AJJ** $1.80
ONE GROSS IN A BOX.



No. 56—5x½x½ in., composition paper covered, pointed, w't per gro. 12¼ lbs.....per gross **BEJ** $4.00
No. 60—5x1x1 in., composition, not covered, pointed, w't per gro. 40 lbs.....per gross **FGJ** $8.00

This is a composition that will not break as easily as chalk crayons. Especially adapted for car inspectors, warehouse men and all kinds of mechanics, for marking on rough surfaces.
NO. 56, ONE GROSS; NO. 60, ONE-SIXTH GROSS IN A BOX.

MARKING PENCILS.



No. 1—Climax, indelible, red, blue or black, 5 in., w't per gro. ½ lb.....per gross **BAE** $4.50
ONE DOZEN IN A BOX.

"Customer's name and address in addition to our number and trade mark in lots of ½ gross on these pencils at an additional cost of $1.00 net for imprinting the ½ gross. We cannot accept orders for less than ½ gross quantities.

CRAYONS, ERASERS, ETC.

OIL CHECKING CRAYONS.



No. 143—Black, enameled paper covered ..... per gross **CFE** $7.20
No. 144—Blue, enameled paper covered ..... per gross **CFE** 7.20
No. 145—Red, enameled paper covered ..... per gross **CFE** 7.20

ONE DOZEN IN A BOX; W'T 4½ LBS. PER GROSS.

DUSTLESS SCHOOL CRAYONS.



No. 16 —Guaranteed to be free from grit or anything injurious to blackboards, makes bright, white mark that erases easily and perfectly clean from the board, per gross ..... **CJ** $0.52
Guaranteed equal in every way to Alpha.

ONE GROSS IN A BOX.

CHALK CRAYONS.



No. 6—School, white, 3¼x3⅛ in., w't per gro. 2 lbs., per gross ..... **AD** $0.15

ONE HUNDRED IN A BOX.

METAL WORKERS' CRAYONS.



No. 4—Talc, ⅜x3½x5 in., not papered or pointed, w't per gro. 10 lbs. ..... per gross **BDJ** $4.00

ONE GROSS IN A BOX.

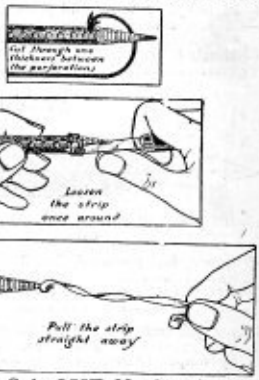
METAL WORKERS' PENCILS.



No. 3—Talc, round, ¾x5 in., w't per gro. 3½ lbs., per gross ..... **BDJ** $3.00
No. 5—Talc, square, ¾x5 in., w't per gro. 3½ lbs., per gross ..... **AHJ** 3.00

ONE GROSS IN A BOX.

MERCHANTS' MARKING PENCILS.



No. 130—H. B. S. & Co.'s Merchants', paper covered, for marking glassware, chinaware, tinware and cutlery, to sharpen simply unwind paper ..... per gross **ADDJ** $22.00

ONE DOZEN IN A PASTEBOARD BOX; ONE-HALF GROSS IN A PACKAGE

BLACKBOARD ERASERS.



No. 1—2x6 in., dustless, wool felt, w't per doz. 2 lbs., per dozen ..... **JFJ** $1.00

ONE DOZEN IN A BOX.

PENHOLDERS.



No. 294—Premier, extra large, taper, assorted red, black and natural wood handles, glass finish, cork tip, w't per doz. cards 7¾ lbs. ..... per dozen cards **JFEJ** $10.80

ONE DOZEN ON AN EASEL BACK DISPLAY CARD.

"A. A." WATERMAN'S SELF-FILLING FOUNTAIN PENS.

FURNISHED WITH SAFETY PEN CLIPS.



Mounted with ⅜ Inch 18 Carat Gold Filled Band.

No. 130B—Plain black, No. 3 solid gold pen, mounted, each★ ..... **BHJ** $3.50
No. 130C—Chased, otherwise same as No. 130B, each★ ..... **BHJ** 3.50
No. 130M—Mottled, otherwise same as No. 130B, each★ ..... **BHJ** 3.50
No. 140-B—Plain, No. 4 solid gold pen★ ..... each **CBJ** 4.00
No. 140C—Chased, otherwise same as No. 140B, each★ ..... **CBJ** 4.00
No. 140M—Mottled, otherwise same as No. 140B, each★ ..... **CBJ** 4.00
No. 150B—Plain, No. 5 solid gold pen, mounted, each★ ..... **CFJ** $5.00
No. 150C—Chased, otherwise same as No. 150B, each★ ..... **CFJ** 5.00
No. 150M—Mottled, otherwise same as No. 150B, each★ ..... **CFJ** 5.00
No. 160B—Plain, No. 6 solid gold pen, mounted, each★ ..... **DJJ** 6.00
No. 160C—Chased, otherwise same as No. 160B, each★ ..... **DJJ** 6.00
No. 160M—Mottled, otherwise same as No. 160B, each★ ..... **DJJ** 6.00

FULL MOUNTED "A.A." AUTOMATIC SELF-FILLING.



Complete with 18K Rolled Gold Filled Flat Filigree and Gold Clip.

No. 380—Filigree, full mounted, No. 3 solid gold pen, each★ ..... **FDJ** $8.00
No. 580—Filigree, full mounted, No. 5 solid gold pen, each★ ..... **JGBJ** 10.00

Made and guaranteed by A. A. Waterman & Co., fitted with fully warranted 14-K gold pens. Filled from ordinary ink bottle by simply twisting end of holder.

The soft rubber reservoir is twisted to right to empty and then untwisted to fill. Reservoir guaranteed for two years. No joint to stick, break or soil the fingers.

Complete with Sterling Silver Filigree and Clip.

No. 370—Filigree, full mounted, No. 3 solid gold pen, each★ ..... **DJJ** $6.00
No. 570—Filigree, full mounted, No. 5 solid gold pen, each★ ..... **EFJ** 8.00

The gold pen points supplied in all numbers are fine, medium or stub. When no points are specified on the order, medium points are sent.



Complete Ready for Use, Plain Pattern.



Holder cut away, showing reservoir ready to fill.

Automatic, Self-Filling, First Quality Rubber, Furnished in Three Finishes.

No. 30B—Plain black, No. 3 solid gold pen, each **BJJ** $2.50
No. 30C—Chased black, No. 3 solid gold pen, each **BJJ** 2.50
No. 30M—Plain mottled, No. 3 solid gold pen, each ..... **BJJ** 2.50
No. 40B—Plain black, No. 4 solid gold pen, each **BDJ** 3.00
No. 40C—Chased black, No. 4 solid gold pen, each **BDJ** 3.00
No. 40M—Plain mottled, No. 4 solid gold pen, each ..... **BDJ** 3.00
No. 50-B—Plain black, No. 5 solid gold pen, each **BHJ** $4.00
No. 50-C—Chased black, No. 5 solid gold pen, each **BHJ** 4.00
No. 50-M—Plain mottled, No. 5 solid gold pen, each ..... **BHJ** 4.00
No. 60-B—Plain black, No. 6 solid gold pen, each **CBJ** 5.00
No. 60-C—Chased black, No. 6 solid gold pen, each **CBJ** 5.00
No. 60-M—Plain mottled, No. 6 solid gold pen, each ..... **CBJ** 5.00

PEERLESS SAFETY PEN AND PENCIL CLIPS.



No. 1.



No. 2.

Highly Polished Nickel, Improved Lever Movement, Will Not Break or Come Apart, Made in Two Sizes.

No. 1—Fits any lead pencil ..... per card **JIJ** $1.50
THREE DOZEN ON A CARD.

No. 2—Fits any fountain pen cap ..... per card **JIJ** $1.50
THREE DOZEN ON A CARD.

Put up separately for pens or pencils.

INK, MUCILAGE AND PASTE.

CARTER'S INK.



Writing Fluid, Blue-Black.

No. 91—1 qt. bottle with patent pour-out, w't per doz. 47 lbs., per dozen .....JHAJ $11.00
No. 92—1 pt. bottle with patent pour-out, w't per doz. 24 lbs., per dozen .....DHJ $6.75

Writes a deep blue, turns to a deep black. Specially adapted to bookkeeping and all uses where a free-flowing, permanent, non-fading ink is required.

ONE DOZEN IN A BOX.



Koal Black.

No. 71—1 qt. bottle with patent pour-out, w't per doz. 47 lbs., per dozen .....JHAJ $11.00
No. 72—1 pt. bottle, with patent pour-out, w't per doz. 24 lbs., per dozen .....DHJ $6.75

Writes a dark bluish black; does not thicken.

ONE DOZEN IN A BOX.



Black Letter.

No. 58—2 oz. bottles, wide mouth cones, w't per gro. 66 lbs., per gross .....per gross EDJ $5.50
No. 57—2 oz. bottles, Columbian cylinders, w't per gro. 72 lbs., per gross .....EDJ $6.00

THREE DOZEN IN A BOX.

CARTER'S INK.



Household.

No. 530—1½ oz. bottles red ink, milled top and label same color as ink, w't per gro. 30 lbs..per gross FJJ $7.50



Blue-Black Fountain Pen Fluid.

No. 467—2 oz. bottle, French panel, hard rubber top, w't per doz. 4 lbs., per dozen .....JIE $1.25

No. 468—1½ oz. bottle, French panel, hard rubber top, w't per doz. 3 lbs., per gross .....EFE $7.50

ONE DOZEN IN A COUNTER DISPLAY BOX.



Blue-Black Writing Fluid.

No. 90—2 oz. bottle, square, hard rubber top, cork, w't per gro. 66 lbs., per gross .....FJJ $8.00

CARTER'S PASTE.



No. 844—4 oz. cones, screw caps, brushes with enameled wood handles and tin caps, w't per doz. 6¼ lbs., per dozen .....JIE $1.25
No. 846—2 oz. cones, screw caps, brushes with tin caps and handles, w't per doz. 51 lbs., per gross .....EDJ $8.00

NO. 844, ONE DOZEN; NO. 846, THREE DOZEN IN A BOX.



No. 837—4 oz. jar, w't per doz. 10 lbs., per dozen .....AFJ $2.00
No. 839—5 oz. jar, w't per doz. 14 lbs., per dozen .....BGJ $3.50
No. 838—8 oz. jar, w't per doz. 18 lbs., per dozen .....CFJ $6.00

Flint glass jar with side well for brush and water.

ONE DOZEN IN A BOX.

MUCILAGE.



Carter's Great "Stickist."

No. 904—4 oz. cylinders, wide mouth, brushes with tin handles and caps, w't per doz. 10 lbs., per gross .....AJHJ $15.00
No. 907—2 oz. cylinders, wide mouth, brushes with tin handles and caps, w't per gro. 63 lbs., per gross .....EGJ $8.00
No. 908—2 oz. cones, wide mouth, brushes with tin handles and caps, w't per gro. 63 lbs., per gross .....EGJ $8.00

NO. 904, ONE DOZEN; BALANCE, THREE DOZEN IN A BOX.

Carter's "Superior Adhesive."

No. 901—1 qt. bottle, w't per doz. 56 lbs. .....per dozen EGJ $9.00

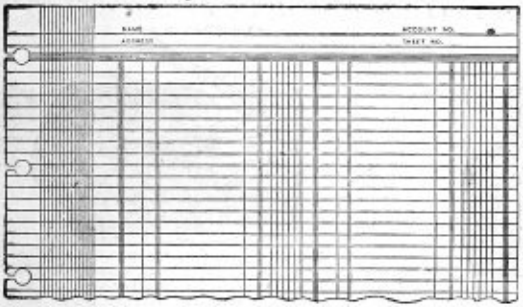
A pure gum product.

ONE DOZEN IN A BOX.

BLANK BOOKS, INVENTORY SHEETS AND HOLDERS.

LOOSE LEAF LEDGER OUTFITS.





No. 40—H. S. B., consists of one H. S. B. Loose Leaf Ledger, one 26 division leather index, 200 only 9¼x11⅞ in. linen ledger sheets, 9¼x11¾ in. cover, bound in best English corduroy, heavy red Russia leather back and covers, four telescopic posts, alternately arranged to insure perfect alignment of leaves, expansion 1¼ to 3 in., each ..... **JIFJ** $15.00

ONE IN A CARDBOARD BOX.

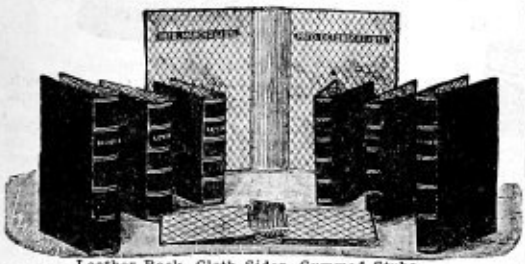
No. 5—Transfer binders, bound to match No. 40 Ledger and with same construction ..... each **CAE** $5.00

A permanent transfer binder, having an exceedingly flexible cover.

The first section posts are riveted to the bottom. Additional one inch sections may be used to extend the posts to any height.

No. 400—Extra pages, 9¼x11⅞ in., first grade linen ledger, per 100 ..... **AJE** $1.50

INVOICE BOOKS.



Leather Back, Cloth Sides, Gummed Stubs.

No. 15—10x12 in., 250 stubs, for letters, w't 1¼ lbs., each ..... **JIE** $1.60

No. 19—9x15 in., 250 stubbs, for invoice, w't 2 lbs., each ..... **AAJ** 1.80

No. 20—9x15 in., 500 stubs, for invoice, w't 3 lbs., each ..... **AEE** 2.60

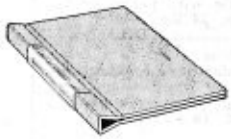
INVENTORY SHEETS.

No. 1—
Lots of 250, per package ..... **AEJ** $2.25
Lots of 500, per package ..... **BGJ** $4.15
Lots of 1,000, per package ..... **DHJ** $7.50

These inventory sheets with their holders and binders provide the simplest and most economical method of taking stock.



INVENTORY HOLDERS.



No. 222—Finely tempered steel spring, nickel plated, heavy side board, side opening for sheets 9½x12 in., duck covered, for sheets 9½x12 in., capacity 1 to 25 sheets, each ..... **ABJ** $1.50

SNAP-ON INVENTORY HOLDERS.



No. 1—Snap-on, flexible cloth covered binding, for sheets 9½x12 in., capacity 100 sheets, size 9½x12 in., w't ½ lb., each ..... **JIJ** $1.00

A practical and labor saving binder, can be easily carried from place to place and has a flat writing surface, no matter how you hold it. Prevents soiling or loss of records by being able to place them on the bottom of the binder. When inventory is complete it will serve as a permanent binder in which to file the records.

AUTOMATIC INVENTORY HOLDERS.

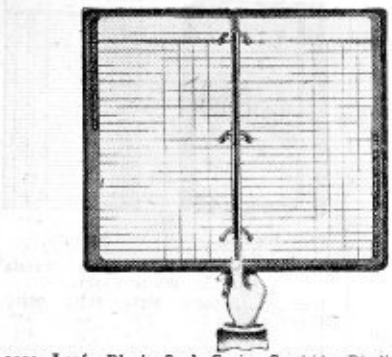


No. 2—9½x12 in., capacity 100 to 1700 sheets, one piece finely tempered steel binding, self-locking, double army duck covered over heavy tar-board sides, with leather corners, each ..... **BAJ** $3.00

Locks automatically at any point, to open binder insert key, and by one-half turn, spread the clamping device and the binder is open. By removing the key the binder is automatically locked. This binder combines simplicity and strength because the locking device consists of only one piece.

BLANK BOOKS.

LOOSE LEAF PRICE BOOKS.



Loose Leaf, Black Seal Grain Cowhide Binding, Leather Lined, Inside Pocket, Ruled with Blue Cross Lines and Red Perpendicular Lines, Leather Tab Extension Index.

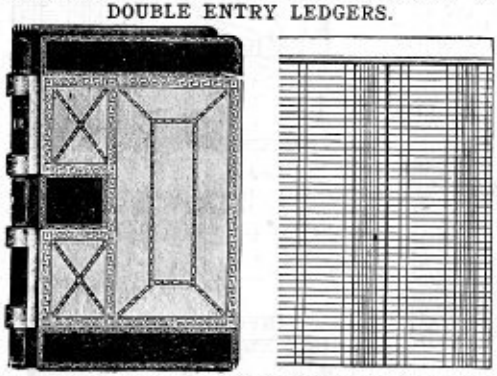
No. 203—6¼x3¼ in., 125 sheets, ½ in. ring capacity, each ..... CBE $3.00

Extra pages for No. 203 ..... per hundred BE .50

No. 209—8½x5½ in., 125 sheets, ½ in. ring capacity, each ..... CBE $4.00

Extra pages for No. 209 ..... per hundred DE .75

DOUBLE ENTRY LEDGERS.



9½x14 Inches, Duck Sides, Russia Ends and Bands, Superfine White Paper, Index in Front, Full and Half Page Accounts.

Nos.	180	181	182
Pages	400	500	600
W't, lbs.	6	7	8
Each	$3.50	4.00	4.50
	BAJ	BDJ	BFJ

9½x14½ Inches, Full Sheep, Russia Ends and Bands, Index in Front, Superfine White Paper, Full, Half and One-third Page Accounts.

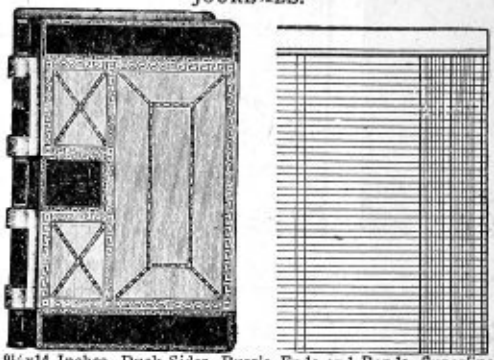
Nos.	222½	223½	224½
Pages	400	500	600
W't, lbs.	6	7	8
Each	$4.00	4.50	5.00
	BBJ	BDJ	BGJ

11x16½ Inches, Duck Sides, Russia Ends and Bands, Index in Front, Superfine White Paper, Full, Half and One-third Page Accounts.

Nos.	190	191	192
Pages	500	600	800
W't, lbs.	10	11	14
Each	$5.50	6.00	7.25
	CHJ	DAJ	DGE

ONE IN A CARDBOARD BOX.

JOURNALS.



9½x14 Inches, Duck Sides, Russia Ends and Bands, Superfine White Paper.

Nos.	180½	181½	182½
Pages	400	500	600
W't, lbs.	6	7	8
Each	$3.50	4.00	4.50
	BAJ	BDJ	BFJ

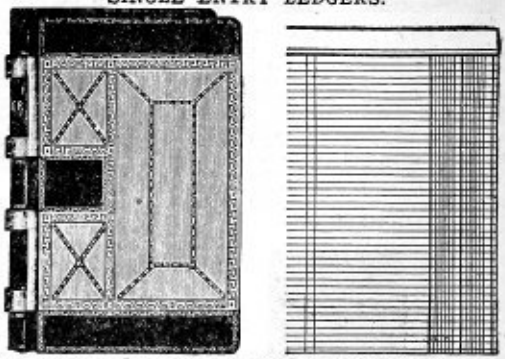
9½x14½ Inches, Full Sheep, Russia Ends and Bands, Superfine White Paper.

Nos.	225	226	227
Pages	400	500	600
W't, lbs.	6	7	8
Each	$3.50	4.00	4.50
	BBJ	BDJ	BGJ

11x16½ Inches, Duck Sides, Russia Ends and Bands, Superfine White Paper.

Nos.	190½	191½	192½
Pages	500	600	800
W't, lbs.	10	11	14
Each	$5.50	6.00	7.25
	CEJ	CHJ	DEJ

SINGLE ENTRY LEDGERS.



9½x14 Inches, Duck Sides, Russia Ends and Bands, Indexed in Front, Superfine White Paper.

Nos.	280	281	282
Pages	400	500	600
W't, lbs.	6	7	8
Each	$3.50	4.00	4.50
	BAJ	BDJ	BGJ

11x16½ Inches, Duck Sides, Russia Ends and Bands, Indexed in Front, Superfine White Paper.

Nos.	290	291	292
Pages	500	600	800
W't, lbs.	10	11	15
Each	$5.50	6.00	7.25
	CHJ	DAJ	DGE

The size given in each case refers to the size of paper exclusive of binding.

ONE IN A PASTEBOARD BOX.

CASH AND DAY BOOKS.





No. 560. No. 893½.

8¾x14¼ Inches, Full Duck, Russia Corners, Printed Head, Three Columns, Superfine White Paper.

No. 560—150 pages, w't 2½ lbs., each ..... **JHJ** $1.20
No. 561—200 pages, w't 3 lbs., each ..... **JIJ** 1.50
No. 562—300 pages, w't 4 lbs., each ..... **ABJ** 2.00
No. 893½—Long Day, 6½x15 in., 500 pages, full duck, good quality white paper, ruled dollars and cents, w't per doz. 36 lbs.....per dozen **FJJ** $9.00





No. 891. No. 926.

No. 891—Broad Day, 7¼x12¼ in., 200 pages, full duck, good quality white paper, ruled dollars and cents, w't per doz. 17 lbs.....per dozen **CJJ** $4.30
No. 893—500 pages, otherwise same as No. 891, w't per doz. 35 lbs., per dozen ..... **FJJ** $9.00
No. 926—Counter, 5¼x11½ in., 180 pages, press board cover, manila paper, ruled dollars and cents, w't per doz. 5 lbs., per dozen ..... **FJ** $0.80

IMPRESSION.



10x12 Inch, Sheep Leather Back and Corners, Cloth Sides, Extension Index, Manila Paper.

No. 402—500 leaves, w't 3 lbs., each ..... **ABJ** $2.00
No. 403—700 leaves, w't 3½ lbs., each ..... **ADJ** 2.30
No. 404—1,000 leaves, w't 5 lbs., each ..... **AFJ** 2.50

BLANK BOOKS.

DAY.



No. 122—The Handy, 7½x15⅝ in., full drab duck, spring back, hubs, American Russia corners, 400 pages long cap .....per dozen **AGCJ** $40.00

This book contains much useful information printed on front and back fly leaves, consisting of Rates of Postage, Business Laws in Daily Use, Interest Tables of Weights and Measures, Standard Time, Quantity of Seed Required to Plant an Acre, etc., etc., and is fitted with spring nickle pencil holder (patent applied for). A handy book for office or counter.

POUND'S MERCHANTS' BILL.



A Book of Ready Reference for All Merchants, Cloth Sides, Russia Back and Corners, Good Quality White Paper.

No. 100—188 pages, size 11⅛x8¼ in., ruled with special reference to requirements, printed titles and column heads, divided as follows—"Bills of Purchase," 132 pages, sufficient for 3,000 items, "Bills Receivable," 32 pages, 650 items, "Bills Payable," 10 pages, 220 items, "Inventory Resources and Liabilities," 5 pages, 88 items, "Insurance," 6 pages, 132 items, "Summary Accounts," 6 pages, each divided into months, w't 2 lbs., each .....**BDJ** $3.00

In this small book can be kept an account of all transactions in complete and condensed form, making it possible to know the exact standing every day in the year.

JOURNALS.





Binding. Ruling.

8¼x12¾ Inches, Duck Sides, Russia Corners, White Paper.

Nos.	980½	981½	982½	983½
Pages	200	300	400	500
W't, lbs.	2	3	3½	4¼
Each	$0.80	1.00	1.30	1.40
	EJ	**JFJ**	**JHJ**	**JHE**

DOUBLE ENTRY LEDGERS.





Binding. Ruling.

8¼x12¾ Inches, Duck Sides Russia Corners, Index in Front, White Paper.

Nos.	980	981	982	983
Pages	200	300	400	500
W't, lbs.	2	3	3½	4¼
Each	$0.80	1.00	1.30	1.40
	EJ	**JFJ**	**JHJ**	**JHE**

INVOICE AND ORDER.





No. 202. No. 3.

Full Canvas, Russia Corners, Indexed in Front, Heavy Manila Paper.

No. 202—10½x15 in., 180 pages, w't 3½ lbs. .....each **ACJ** $2.00
No. 203—13x18 in., 450 pages, w't 10 lbs., each ..... **BHJ** $4.20
No. 3—Reynold's Order, 3¼x6½ in., 60 leaves, open end, pressed board cover, cloth back, white paper, to fit No. 03 holder .....per dozen **JGJ** $1.00
No. 03—Red American Russia holders, to fit No. 3 Reynold's order book, per dozen ..... **CJJ** $5.00

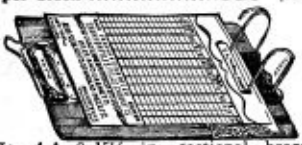
ONE DOZEN IN A PACKAGE.

OFFICE STATIONERY AND WASTE PAPER BASKETS.

LETTER FILES.



No. 4-E—9x14½ in., sectional board, for letters, w't per doz. 21 lbs., per dozen .....DEJ $7.20
No. 6-E—9¼x17 in. sectional board, for invoices, w't per doz. 24 lbs., per dozen .....DEJ $7.20



No. 4-A—9x15½ in. sectional board, with index, cover and perforator, for letters, w't per doz. 28½ lbs., per dozen .....JICJ $15.80
No. 6-A—9¼x17 in. sectional board, with index, cover and perforator, for invoices, w't per doz. 31 lbs., per dozen .....JICJ $15.80
No. 1—Extra perforators, w't per doz. 3½ lbs. .....per dozen BGJ $4.50
No. 2—Extra indexes, per doz. DH .60
No. 3—Extra protection covers, w't per doz. 4 lbs.....per dozen AHJ $2.70

TRANSFER CASES.



Showing cover closed. Showing case removed

No. 4—9¼x11½ in., for letters, w't per doz. 10 lbs. .....per dozen CCJ $5.60
No. 6—9¼x14 in., for invoices, w't per doz. 12 lbs. ....per dozen CFJ $7.40
These cases are intended to receive the contents of the file of the corresponding number.

PAPER FILES.



No. 2. No. 10. No. 636.

No. 2—6 in., walnut bronzed, tinned wire hook, w't per doz. 4 lbs., per dozen .....JFE $1.00
No. 10—6 in., walnut bronzed, tinned wire spindle, w't per doz. 3¼ lbs., per dozen .....JFE $1.00
NO. 2, ONE-HALF DOZEN; NO. 10, ONE DOZEN IN A BOX.
No. 636—6 in., plated wire, w't per doz. 1 lb. .....per dozen CJ $0.50
ONE-QUARTER GROSS IN A BOX.

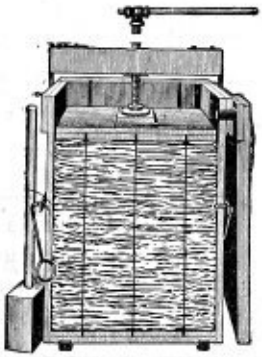
PAPER CLIPS.



No. 1—3½ in., ground surface, walnut bronzed, heavy steel spring, w't per doz. 2¾ lbs. ....per dozen AJE $1.50

ONE DOZEN IN A BOX.

H. S. B. & Co.'s WASTE PAPER BALERS.



Strong Wood Bound with Steel.

Nos.	10	11
Height, ft.	4½	4
Width, ft.	2½	2½
Depth, in.	22	22
W't of bales, lbs.	140to175	100to125
Size of bales, in.	18x25x36	17x21x31
W't of balers, lbs.	165	150
Each	$21.00★ AHFJ	17.00★ AEJJ

Free with each baler—
1 Hook for handling bales.
1 Time-saving Tamper.
1 Lever for screw.
Wire for baling 1000 lbs. paper.

This screw applies three tons pressure. Millions of dollars worth of waste paper is burned every year, the H. S. B. & Co. Baler serves as a paper bin and soon pays for itself as it saves time and money.

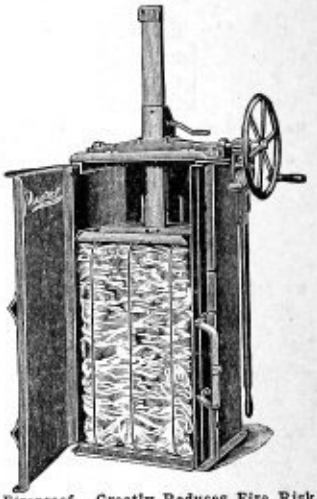
Guaranteed against breakage through defect for one year.

Owing to the larger capacity, No. 10 is the most logical size for general use.

Paper is worth from $6 to $15 per ton when baled.

★*F. O. B. GALESBURG, ILL.*

WASTE PAPER BALERS AND BINS.



Fireproof. Greatly Reduces Fire Risk. Turns Waste Losses Into Profits.

Presteel, Painted Battleship Gray.

Nos.	21 Store Model	22 P.O. Model
Height, ft	5½	6½
Width, ft.	1½	1¾
Floor space, in.	21x19	23x21
W't of bales, lbs.	100to140	125to225
Size of bales, in.	16x18x30	18x20x36
W't of baler, lbs.	240	320
Each	$40.00★ CFJJ	50.00★ DHJJ

The Presteel Waste Baler embodies all the essential features, such as permanency, speed, economy, convenience, floor space and general efficiency. Being strongly constructed of steel throughout it is practically indestructible. Power mechanism is made of cast steel, not cast iron.

There are no chains, pawls or frail parts to get out of order or readily break; is the simplest on the market; a fireproof receptacle for storing waste as well as a baling press.

Has two exclusive advantages. First: The special reinforced side construction springs out when the baler door is opened and releases bale easily. Will not stick and does not need to be pried out as with other balers. Second: Opens at the top. This is important as a larger bale can be made with fewer compressions and less labor. The full height of the baling chamber is used in charging instead of only half as with balers opening in front.

The U. S. Government has adopted this baler for use in their post offices. This is conclusive proof of its superiority.

★*F. O. B. FACTORY, MOLINE, ILL.*

RACKS, TRAYS, BASKETS AND TAGS.

MAIL RACKS AND BASKETS.



No. 691—Letter or envelope racks, 4x8 in., with partition, w't per doz. 6 lbs. .....per dozen **CBE** $6.00

DESK TRAYS.



No. 701—10x14 in., height 3 in., w't per doz. 10 lbs.....perdozen **CJJ** $5.00



No. 701½—11¼x16½ in., height 5 in., w't per doz. 18 lbs., per dozen .....**EDJ** $9.00

SPACE BASKETS.

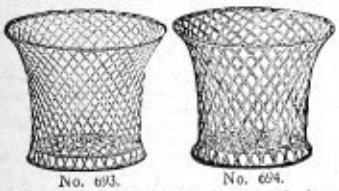


No. 702—2 space, 10x14 in., height 6 in., w't per doz. 24 lbs., per dozen .....**JFIJ** $12.00



No. 703—3 spaces, 10x14 in., height 9 in., w't per doz. 36 lbs., per dozen .....**AJBJ** $18.00

WASTE BASKETS.



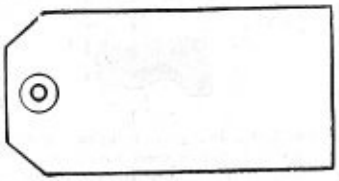
No. 693. No. 694.

No. 693—Single wire, height 12 in., diameter at top 15 in., at bottom 10 in., w't per doz. 18 lbs., per dozen .....**DJJ** $7.50

No. 693½—Solid tin bottom, otherwise same as No. 693, w't per doz. 19 lbs., per dozen .....**DJJ** $7.50

No. 694—Double wire, height 12 in., diameter at top 15 in., at bottom 10 in., w't per doz. 24 lbs., per dozen .....**DHJ** $9.00

SHIPPING TAGS.



Nos. 1 to 5.

Nos.	1	2	3
Size, in.	1⅛x2¾	1⅝x3¼	1⅞x3¾
W't per 1000, lbs.	1½	2	2½
Per thousand..	$0.50	.60	.70
	CJ	**CE**	**DJ**

Nos.	4	5
Size, in.	2¼x4¼	2¼x4¾
W't per 1000, lbs.	3¾	4½
Per thousand	$0.80	1.00
	EJ	**FJ**

Stringing—in ordering, add "S" to number—extra .....per thousand $0.60

ONE THOUSAND IN A BOX. WE DO NOT BREAK BOXES.

SHIPPING TAGS.



No. 5-C.

Rope Manila, Printed with Customer's Card.

No. 5-A—2¼x4¾ in., printed to order and strung, w't per thousand 5½ lbs., per thousand .....**BDJ** $3.00

No. 5-B—2¼x4¾ in., printed to order and wired, w't per thousand 6 lbs., per thousand .....**BDJ** $3.50

No. 5-C—2¼x4¾ in., printed to order, not strung or wired, w't per thousand 4½ lbs. .....per thousand **BAJ** $2.00

SOLD ONLY IN LOTS OF ONE THOUSAND OR MORE.

LINEN TAGS.

Size 2¼x4¾ in.

No. 115—Unprinted, not strung or wired, w't per 1000, 4½ lbs., per 1000 .....**CFJ** $6.30

No. 115-A—Printed to order and strung, w't per thousand 4½ lbs., per thousand .....**EDJ** $9.00

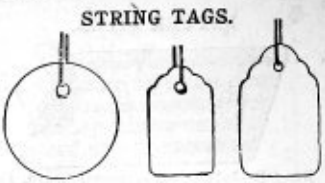
No. 115-B—Printed to order and wired, w't per thousand 4½ lbs., per thousand .....**EDJ** $9.00

No. 115-C—Printed to order, not strung or wired, w't per thousand 4½ lbs., per thousand .....**EAJ** $8.50

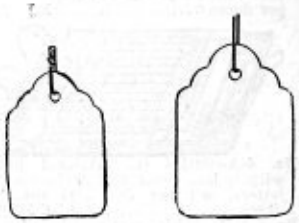
These prices are based on printing in lots of one thousand.

See Cut of No. 5C.

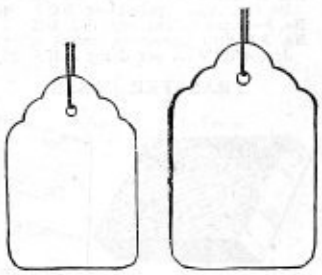
STRING TAGS.



No. 330. No. 373. No. 363.



No. 343. No. 342.



No. 340. No. 339.

Extra Tough White Stock, Well Strung and Tied.

Nos.	330	373	363
Length, in.	⅞	⅞	1
Width, in.	⅞	¾	⅝
Per thousand	$0.70	.55	.65
	DJ	**CE**	**DJ**

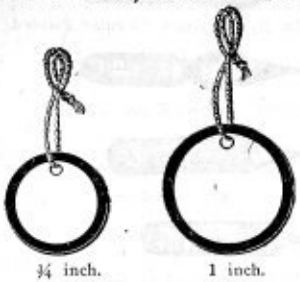
Nos.	343	342	340
Length, in.	1⅛	1¼	1½
Width, in.	¾	⅞	1
Per thousand	$0.75	.90	1.10
	DJ	**EE**	**JEE**

Nos.	339	337	336
Length, in.	1¼	2	2¼
Width, in.	1⅛	1⅞	1½
Per thousand	$1.35	1.65	1.90
	JFE	**JHJ**	**JHE**

ONE THOUSAND IN A BOX.

GUMMED LABELS, PAPER FASTENERS AND THUMB TACKS.

STRING TAGS, METAL EDGED.



¾ inch. 1 inch.

White Center, Nickel Plated Rim.

Nos.	10	11	12	13
Diam., in.	¾	1	1¼	1½
Per thousand	$2.00	2.50	3.00	4.00
	ADJ	AHJ	BBJ	BGJ

Green Center, Nickel Plated Rim.

Nos.	20	21
Diameter, in.	¾	1
Per thousand	$2.00	2.50
	ADJ	AHJ

GUMMED LABELS.



No. 225. No. 217.

Extra Adhesive, Red Border.

Nos.	225	217
Length, in.	¾	1
Width, in.	⅝	¾
Per carton	$1.50	1.50
	JHJ	JHJ

NO. 225, ONE HUNDRED; NO. 217, SIXTY IN A BOX; TWELVE BOXES IN A CARTON.



No. 212—Length 1¼ in., width 1 in., extra adhesive, red border, ruled, per carton .....JHJ $1.50

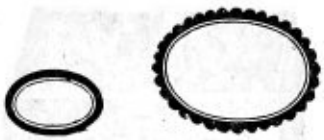
SIXTY IN A BOX; TWELVE BOXES IN A CARTON.



No. 205—Length 1¾ in., width 1⅝ in., extra adhesive, red border, per carton .....JHJ $1.50

SIXTY IN A BOX; TWELVE BOXES IN A CARTON.

GUMMED LABELS.



No. 249. No. 237.

Extra Adhesive, Red Border.

Nos.	249	237
Length, in.	¾	1¼
Width, in.	½	1
Per carton	$1.50	1.50
	JHJ	JHJ

NO. 249, ONE HUNDRED; NO. 237, SEVENTY-FIVE IN A BOX; TWELVE BOXES IN A CARTON.

PAPER FASTENERS.



No. 22F. No. 23F. No. 24F.

Brass, Flat Head.

Nos.	22F	23F	24F
Length, in.	½	¾	1
Per thousand	$1.50	1.80	2.10
	JIJ	AAJ	ABE



No. 22R. No. 23R. No. 24R.

Brass, Round Head.

Nos.	22R	23R	24R
Length, in.	½	¾	1
Per thousand	$1.80	2.40	3.00
	AAJ	ADE	AHJ

TWO HUNDRED IN A BOX.

THUMB TACKS.



No. 1. No. 2. No. 3.

Steel.

Nos.	1	2	3
Diameter, in.	3/16	7/32	1/4
Per hundred	$0.40	.44	.50
	BE	BF	CJ

ONE HUNDRED IN A BOX; TEN BOXES IN A CARTON.



No. 4. No. 5. No. 6.

Brass.

Nos.	4	5	6
Diameter, in.	3/8	1/2	5/8
Per gross	$1.04	1.30	1.48
	JFJ	JHJ	JIJ

ONE DOZEN ON A BLOCK OF WOOD; ONE GROSS IN A BOX.

THUMB TACK ASSORTMENTS.



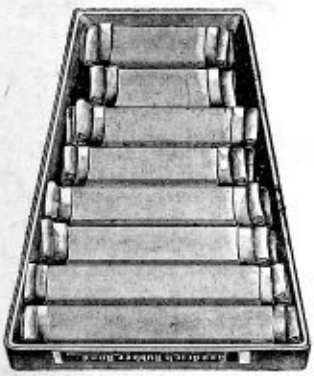
No. 10 Assortment, containing one gross each, ¾, ½ and ⅝ in., brass thumb tacks on a block of wood, per assortment .....BCE $3.90

ONE IN A COUNTER DISPLAY BOX.

No. 20 Assortment, containing 2 doz. each 3/8, 7/16 and 1/2 in. steel, 2 doz. each 3/8, 1/2 and 5/8 in. colored assorted, 2 doz. each 3/8, 1/2 and 5/8 in. solid brass, mounted one dozen on wood block, per assortment .....ABJ $2.00

RUBBER BANDS AND STEEL PENS.

ASSORTED BOXES.



No. 104—One gross assorted, including three dozen each ½x2, 2½, 3 and 3½ in.....per gross AJJ $1.50

No. 105—One gross assorted, including three dozen each ⅝x2, 2½, 3 and 3½ in.....per gross ACJ $2.25

No. 106—One gross assorted, including three dozen each ½x2, 2½, 3 and 3½ in.....per gross AHE $2.75

PACKAGE.

No. 017—⅝x4½ in., light, per gross .....CIE $6.00

No. 018—⅝x6 in., light, per gross .....ECJ $8.00

No. 019—⅝x5 in., heavy, per gross .....JGIJ $12.00

No. 020—⅝x7 in., heavy, per gross .....JIIJ $15.00

No. 021—⅝x9 in., heavy, per gross .....AAIJ $18.00

ONE-QUARTER GROSS IN A BOX.

RETAIL ASSORTMENTS.



No. 1—Sizes 10, 50, 29, 31, ¼x2 and ¼x3 in., per doz. boxes AEHE $21.00

No. 2—Sizes 10, 12, 14, 30, 32, ¼x2, ¼x2½, ¼x3, ½x3 in., per dozen boxes .....ACBJ $17.00

No. 3—Sizes 8, 12, 15, 32, ¼x3½ in., per dozen boxes .....GFJ $11.00

No. 4—Sizes 9, 10, 11, 14, 30, 50, ¾x2 in., mostly 10, 14, 30, per dozen boxes .....CIE $6.00

No. 5—Sizes 9, 11, 13, 16, 18, 27, 29, 30, 31, 32, ¼x2 in., per dozen boxes.....ADE $2.00

HEAVY.



			Per Gross.
No.	27—⅛x1¼	in.....CE	$0.50
No.	28—⅛x1⅜	in.....DJ	.60
No.	29—⅜x1½	in.....DC	.65
No.	30—⅛x2	in.....DH	.70
No.	31—⅛x2½	in.....EE	.80
No.	32—⅛x3	in.....FJ	.90
No.	33—⅛x3½	in.....JFE	1.00
No.	01—¼x2	in.....JFE	1.00
No.	02—¼x2½	in.....JHE	1.25
No.	03—¼x3	in.....AJJ	1.50
No.	04—¼x3½	in.....ABJ	1.75
No.	05—½x2	in.....ABJ	1.75
No.	06—½x2½	in.....ACJ	2.00
No.	07—½x3	in.....ADJ	2.25
No.	08—½x3½	in.....AGJ	2.50
No.	09—½x2	in.....ACJ	2.00
No.	010—½x2½	in.....AGJ	2.50
No.	011—½x3	in.....BJJ	3.00
No.	012—½x3½	in.....BDJ	3.50
No.	013—¾x2	in.....BJJ	3.00
No.	014—¾x2½	in.....BEJ	3.75
No.	015—¾x3	in.....BIE	4.50
No.	016—¾x3½	in.....CEJ	5.25

ONE GROSS IN A BOX; TWELVE GROSS IN A CARTON.

¼ Lb. Boxes, any size, per pound .....CCJ $5.00

THREAD.



No. 11.

			Per Dozen Boxes.
No.	8— ⅜	in. long.....ABJ	$1.75
No.	9—1	in. long.....ACJ	2.00
No.	10—1¼	in. long.....AEJ	2.25
No.	11—1½	in. long.....AGJ	2.50
No.	12—1⅝	in. long.....AHE	2.75
No.	13—1¾	in. long.....BJJ	3.00
No.	14—2	in. long.....BAE	3.25
No.	15—2¼	in. long.....BDJ	3.50
No.	16—2½	in. long.....BFE	4.00
No.	17—2¾	in. long.....CJE	4.50
No.	18—3	in. long.....CCJ	5.00
No.	19—3½	in. long.....CGJ	5.50

ONE GROSS IN A BOX; TWELVE GROSS IN A CARTON.

¼ Lb. Boxes, any size, per pound .....CCJ $5.00

MILLER BROS.' STEEL PENS.



No. 20. Amalgam, Circular Pointed.



No. 94. Bronze, Express.



No. 101. White Ledger.



No. 102. White, Fine Stub.



No. 16. Bronze, School.



No. 1. Bronze, Bank.



No. 333. Bronze, Extra Fine.



No. 119. Gray, Medium Stub.



No. 75. Amalgam, Anti-Corrosive.



No. 28. White, University.



No. 15. Bronze, Commercial.



No. 22. Bronze, Falcon.



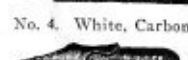
No. 030. Amalgam, Smooth Writer.



No. 105. White, Double Action.



No. 4. White, Carbon Stub.



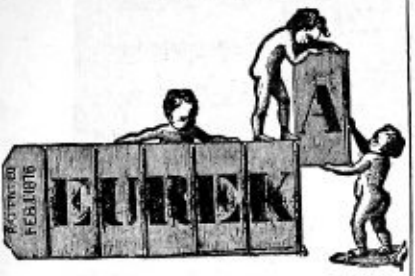
No. 80. Bronze, Lady Falcon.

All Numbers .....per gross **FE** $0.75

ONE GROSS IN A BOX.
WE DO NOT BREAK BOXES.

STENCILS, STEEL LETTERS AND FIGURES.

REESE'S ADJUSTABLE STENCILS.



LETTERS.

Alphabets of Thirty-Three Pieces, in Box, as Follows—Twenty-Six Letters of the Alphabet, Also & Beginner, Ender, Period, Apostrophe, Comma and Blank.

Size, in.	½	¾	1
Per set	$0.65	.70	.80
	EE	FJ	FE
Size, in.	**1½**	**2**	**2½**
Per set	$1.00	1.40	2.00
	JHE	AAE	AGJ

FIGURES.

Figures of Fifteen Pieces, in Box, as Follows—One Each 1, 2, 3, 4, 5, 6, 7, 8, 9. 0 ,$ Mark, Cent Mark, Period, Beginner and Ender.

Size, in.	½	¾	1
Per set	$0.25	.30	.35
	BB	BE	CJ
Size, in.	**1½**	**2**	**2½**
Per set	$0.45	.65	.95
	CH	EE	HJ

LETTERS AND FIGURES.

One Alphabet and One Set Figures, in Box, with Ink and Brush.

Size, in.	½	¾	1
Per set	$1.00	1.20	1.40
	JGJ	JIE	AAJ
Size, in.	**1½**	**2**	**2½**
Per set	$1.60	2.20	3.00
	ACJ	AFJ	BAE

LETTERS AND FIGURES IN BULK.

Size, in.	½	¾	1
Per 100	$2.50	3.00	4.00
	AHJ	BAJ	BDJ
Size, in.	**1½**	**2**	**2½**
Per 100	$5.00	6.00	8.00
	CJJ	DEJ	FFJ

STEEL LETTERS AND FIGURES.



AJ%.

No. 120—In.	1-32	1-24	1-20	1-16
Figures, set	$2.50	2.00	1.75	1.50
Letters, set	7.50	6.00	5.25	4.50
No. 120—In.	**1-12**	**3-32**	**1-10**	**1-8**
Figures, set	$1.50	1.50	1.50	1.50
Letters, set	4.50	4.50	4.50	4.50
No. 120—In.	**5-32**	**3-16**	**7-32**	**1-4**
Figures, set	$1.75	2.00	2.25	2.50
Letters, set	5.25	6.00	6.75	7.50
No. 120—In.	**5-16**	**3-8**	**7-16**	**1-2**
Figures, set	$3.00	3.50	4.50	5.00
Letters, set	9.00	10.50	13.50	15.00

AJ%.

No. 122—In.	1-32	1-24	1-20	1-16
Figures, doz.	$3.60	3.00	2.40	1.80
Letters, doz.	3.60	3.00	2.40	1.80
No. 122—In..	**1-12**	**3-32**	**1-10**	**1-8**
Figures, doz.	$1.80	1.80	1.80	1.80
Letters, doz..	1.80	1.80	1.80	1.80
No. 122—In..	**5-32**	**3-16**	**7-32**	**1-4**
Figures, doz.	$2.16	2.40	3.00	3.60
Letters, doz..	2.16	2.40	3.00	3.60
No. 212—In..	**5-16**	**3-8**	**7-16**	**1-2**
Figures, doz.	$4.20	5.40	6.60	7.20
Letters, doz..	4.20	5.40	6.60	7.20

Genuine Hand Made Letters and Figures are made of Jessop Crucible Tool Steel, guaranteed to make better impressions and give longer service.

PACKED IN WOODEN BOXES.

A set of letters consists of twenty-eight characters—complete alphabet, & and period. A set of figures consists of nine pieces, 1, 2, 3, 4, 5, 6, 7, 8, 0, the 6 used also for the figure 9.

STEEL LETTERS AND FIGURES.



Standard Machine Made.

No. 100—In.	1-8	3-16	1-4
Letters, per dozen	$1.80	2.16	2.40
	JDJ	JEE	JGJ
No 100—In..	**1-8**	**3-16**	**1-4**	**3-8**
Figures, doz.	$1.80	2.16	2.40	4.20
	JDJ	JEE	JGJ	AJJ
No. 100—In.	**1-16**	**1-8**	**3-16**
Figures, per set	$0.90	.90	1.25
	CJ	CJ	JDJ
Letters, per set	$2.75	2.75	3.75
	JIJ	JIJ	ABE
No. 100—In.	**1-4**	**5-16**	**3-8**
Figures, per set	$1.50	1.75	2.50
	JEJ	JFE	JHJ
Letters, per set	$4.50	5.25	7.50
	AEJ	AHE	BDJ

TIED IN BUNDLES.



No. 110.

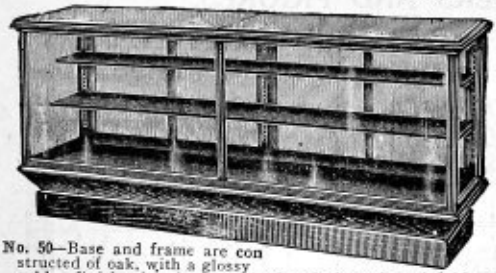
Chicago Machine Made.

CJ%.

No. 110—In..	1-32	1-24	1-20	1-16
Figures, set.	$1.25	1.25	1.25	.90
Letters, set.	3.75	3.50	3.50	2.75
No. 110—In..	**1-12**	**3-32**	**1-10**	**1-8**
Figures, set.	$0.90	.90	.90	.90
Letters, set.	2.75	2.75	2.75	2.75
No. 110—In..	**5-32**	**3-16**	**7-32**	**1-4**
Figures, set.	$1.25	1.25	1.50	1.50
Letters, set.	3.50	3.75	4.50	4.50
No. 110—In..	**5-16**	**3-8**	**7-16**	**1-2**
Figures, set.	$1.75	2.50	3.50	4.50
Letters, set.	5.25	7.50	10.50	13.50

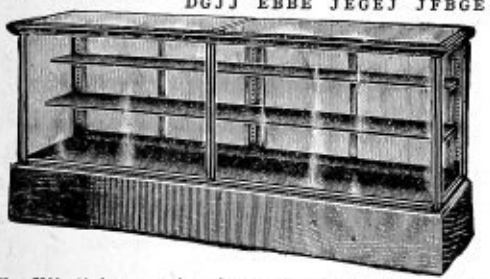
PACKED IN BOXES.

DISPLAY CASES.



No. 50—Base and frame are constructed of oak, with a glossy golden finish, glazed with ½ in. bevel plate glass, inlaid on felt, front, ends and doors with D. S. A. glass. Two wood shelves, the top one 10 in. wide and the lower one 14 in. wide resting on adjustable brackets and nickel plated back standards, glass sliding doors on ball bearing roller sheaves and metal track, special receding hardwood case, reinforced construction, special jointing—all making a perfect foundation, height 42 in., width 26 in.

Length, ft.	4	5	6	7	8
W't, lbs.	180	225	270	315	360
Each	$42.80	51.50	57.00	66.50	76.00
	BDJJ	BHBE	CAEJ	CFEJ	DAHJ
Length, ft.	**9**	**10**	**11**	**12**	
W't, lbs.	405	450	495	540	
Each	$85.50	95.00	104.50	114.00	
	DGJJ	EBBE	JEGEJ	JFBGE	



No. 5200—10 in., one-piece base, otherwise same as No. 50.

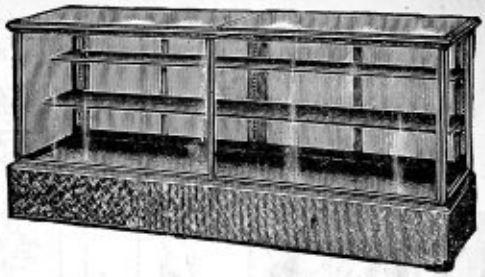
Length, ft.	4	5	6	7	8
W't, lbs.	180	225	270	315	360
Each	$42.80	51.50	57.00	66.50	76.00
	BCEJ	BHCJ	CACE	CFEJ	DAHJ
Length, ft.	**9**	**10**	**11**	**12**	
W't, lbs.	405	450	495	540	
Each	$85.50	95.00	104.50	114.00	
	DGJJ	EBBE	JEGEJ	JFBGE	

This straight, one-piece style base placed on all other cases for small additional charge.



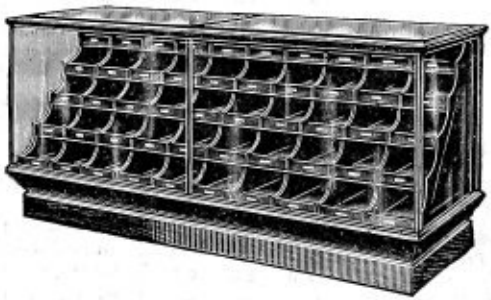
No. 5260—Double strength "A" glass in front, ends and doors, nickel plated adjustable brackets, oval ends, otherwise same as No. 50.

Length, ft.	8	9	10
W't, lbs.	440	495	550
Each	$109.00	118.50	128.00
	JFJJJ	JFEBE	JGJDJ
Length, ft.	11	12	13
W't, lbs.	605	660	715
Each	$137.50	147.00	156.50
	JGEFJ	JHJHE	JHFJJ



No. 5240—Frame constructed of oak with a glossy golden finish, glazed with ½ in. bevel plate glass inlaid on felt, front, ends and doors with D. S. A. glass, two wood shelves, the top one 10 in. wide, the lower one 14 in. wide, resting on adjustable brackets and nickel plated back standards, sliding doors on ball bearing roller sheaves and metal track, base 10 in. high, Georgia Creole marble, height 42 in., width 26 in.

Length, ft.	4	5	6	7	8
W't, lbs.	240	300	360	420	480
Each	$52.00	62.00	70.20	81.90	93.60
	BHFJ	CDAJ	CHFJ	DEJJ	EAEJ
Length, ft.	**9**	**10**	**11**	**12**	
W't, lbs.	540	600	660	720	
Each	$105.30	117.00	128.70	140.40	
	JEGIJ	JFDCE	JGJGE	JGGBJ	



No. 5300—Frame and base constructed of oak with a glossy golden oak finish, glazed with ½ in. polished bevel plate glass on top, and double strength "A" glass in front and ends, interior of case is fitted with 5 rows of drawers for display of small wares, each tray having a neat pull at rear and price card holder in front—trays are usually 5 in. deep and their width varies according to the length of the case from 7½ to 9 in.—special receding hardwood base, reinforced construction, special jointing—all making a perfect foundation. Height 42 in., width 26 in.

Length, ft.	4	5	6	7	8
W't, lbs.	300	375	450	525	600
Each	$79.60	96.00	111.00	129.50	148.00
	DCGE	EBJJ	JFAJJ	JGABE	JHADJ
Length, ft.	**9**	**10**	**11**	**12**	
W't, lbs.	675	750	825	900	
Each	$166.50	185.00	203.50	222.00	
	JIAEJ	AJAGE	AABJJ	ABBJJ	

EXTRA EQUIPMENT FOR CASES ON THIS PAGE.

Polished Plate Glass Shelves with edges ground smooth instead of wooden shelves, extra .....per foot **AAE** $2.10

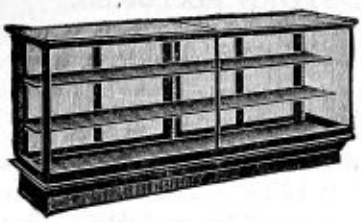
Electric Reflectors complete with switch and wiring, extra, per foot .....**JGE** $1.30

Crystal Mirror Doors instead of "D. S. A." glass, extra, per foot .....**EJ**, $0.90

Unless otherwise specified, all cases will always be finished in a light shade of golden oak. All cases can be had in any shade desired for same price as quoted for golden oak finish.

ALL CASES F. O. B. GRAND RAPIDS, MICH.

DISPLAY CASES.



No. 40—Base of case is made of stamped metal finished to match woodwork, frame is of oak finished in light golden shade, 4 and 5 ft. lengths have single piece plate glass top with ½ in. bevel, ends and front are fitted with one sheet double strength glass, 6, 8 and 10 ft. lengths have two piece plate glass top with ½ in. bevel, ends and front are fitted with two sheets of double strength glass, sliding doors also have double strength glass, and are fitted with ball bearing roller sheaves and metal tracks, rubber stop to prevent jarring and breaking, receding base 7 in. high, sizes given are measured from back rail, shelves 8 and 10 in. wide of stamped metal, quarter sawed oak finish, supported by nickel plated adjustable brackets and back posts, height of case 40 in., width 23 in.

Length, ft.	4	5	6	8	10
W't, lbs.	160	200	240	320	400
Each	$46.00	48.00	49.20	65.60	82.00
	BECJ	BFDJ	BGJE	CFAJ	DEHJ

The metal construction permits of a freight rate approximately one-fifth less than any other line manufactured.

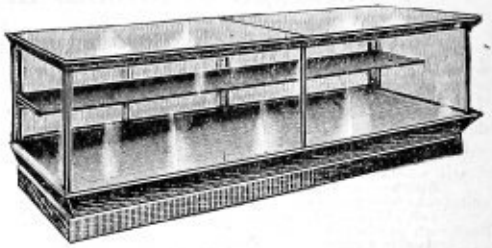


No. 5600—Frame constructed of oak with a golden oak finish, ½ in. polished bevel plate glass on top, inlaid on felt, D. S. A. glass in front and on ends, two wood shelves—the top one 10 in. and the lower one 14 in. wide supported on nickel plated adjustable brackets and nickel plated standards, sliding glass doors run on ball bearing rollers and metal track. Case rests on 6 in. metal legs, height 42 in., width 26 in.

Length, ft.	4	5	6	7	8
W't, lbs.	180	225	270	315	360
Each	$43.60	52.00	58.20	67.90	77.60
	3DJJ	BHFJ	CBJJ	CGCE	DBGE

Length, ft.	9	10	11	12
W't, lbs.	405	450	495	540
Each	$87.30	97.00	106.70	116.40
	DHJJ	ECCE	JEHGE	JFDJJ

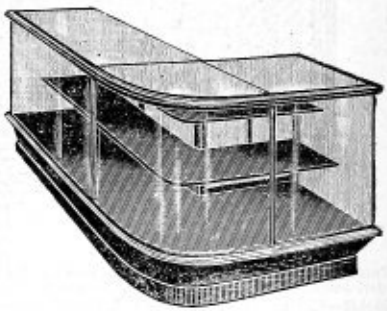
This style base placed on all other cases if desired with additional charge of 12c per foot list.



No. 5330—Frame and base are constructed of oak with a golden oak finish, polished plate glass top, inlaid on felt, one 14 in. oak shelf supported on nickel plated adjustable brackets and nickel plated standards, sliding doors in rear run on ball bearing rollers and metal track, front and ends of D. S. A. glass, special receding hardwood base, reinforced construction, special jointing—all making a perfect foundation, height 34 in., width 28 in.

Length, ft.	4	5	6	7	8
W't, lbs.	160	200	240	280	320
Each	$42.00	49.00	55.20	64.40	73.60
	BCAJ	BGJJ	CJCE	CEDJ	DJEJ

Length, ft.	9	10	11	12
W't, lbs.	360	400	440	480
Each	$82.80	92.00	101.20	110.40
	DEEJ	EJFJ	JEEFE	JFJGJ



No. 51350—Base and frame constructed of oak with a rich golden oak finish, top glazed with ½ in. polished bevel plate glass inlaid on felt, front, ends and doors with double strength "A" glass, two wood shelves, the top one 10 in. and the lower 14 in. wide resting on nickel plated adjustable brackets and nickel plated standards, doors in rear run on ball bearing roller sheaves and metal track, base built receding, the length is measured from the outer front corners to an imaginary point where the two lines would meet outside the round corners, receding hardwood base, reinforced construction, special jointing, all making a perfect foundation. Height 42 in., width 26 in. This case is the same style as No. 50....per running foot **ECJ** $9.50

We can also furnish—

Style No. 5200—Per foot ..... **ECJ** 9.50
Style No. 5600—Per foot ..... **ECE** 9.70
Style No. 5240—Per foot ..... **JFDE** 11.50

EXTRA EQUIPMENT FOR CASES ON THIS PAGE.

Polished Plate Glass Shelves with edges ground smooth instead of wooden shelves, extra .....per foot **AAE** $2.10
Electric Reflectors complete with switch and wiring, extra, per foot ..... **JGE** $1.30
Crystal Mirror Doors instead of "D. S. A." glass, extra, per foot ..... **EJ** $0.90

Unless otherwise specified, all cases will always be finished in a light shade of golden oak. All cases can be had in any shade desired for same price as quoted for golden oak finish.

WARREN STANDARD HARDWARE STORE FIXTURES.

Warren Standard Hardware Store Fixtures are made on the sectional, interchangeable unit system.

All cabinet units are exactly the same outside dimensions, and the base units correspond to the cabinet units in length. When set up and fastened together they come into perfect alignment, and are as solid as if built in the store. Through this portable unit system of construction a merchant can fit up his entire store in one day, or at any time he wishes to rearrange the location of any line of goods or move into another building, these sections can be moved as easily as a filing cabinet or office desk.

Cabinets—All Warren Standard Cabinets are 100⅜ in. long (105⅜ in. with end cornice), 54 in. high, 15¾ in. deep (17¾ in. including cornice).

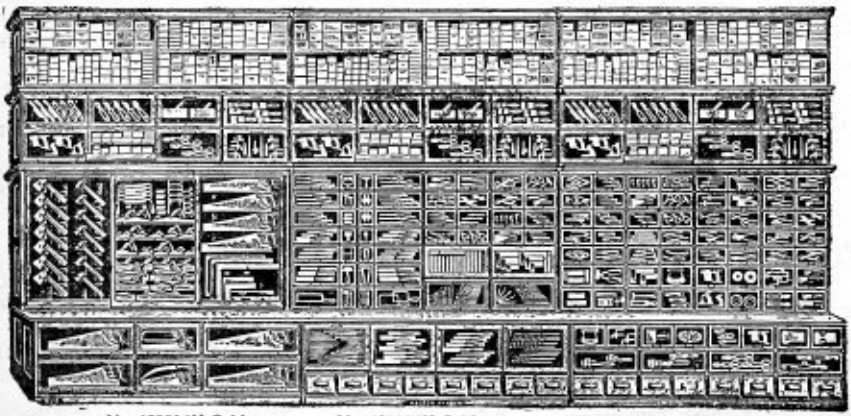
Bases—All Warren bases are 100⅜ in. long, 31½ in. high, 30 in. deep.

Material—The outside exposure of all Warren Standard Hardware Fixtures is made of select white oak. All interior construction of soft wood, usually poplar

Finish—The finish for all Warren Standard Fixtures is antique oak, hand rubbed and polished. This finish will always be sent unless otherwise specified. Samples sent on application.

Felt—Unless otherwise instructed when order is sent us, all sample boards will be covered with, and all sliding glass door cabinets lined with all wool rich red felt

How to Order—To make up an order for Warren's Sectional Hardware Fixtures it will only be necessary to use the catalogue numbers of the different units desired in the order they are to be placed in the store. Send us a pencil sketch, with the numbers of the different units (cabinets and bases inserted), showing relative location of each as they will be placed in the store. State whether the fixtures are to be placed on the Right or Left hand side of store as you enter the front door.



No. 4280½H Cabinet.
No. 3805½H Cabinet.
No. 3006 Cabinet.
No. 5115 Base.

No. 4280½H Cabinet.
No. 3805½H Cabinet.
No. 3224 Cabinet.
No. 5215 Base.

No. 4280½H Cabinet.
No. 3805½H Cabinet.
No. 3200 Cabinet.
No. 5175 Base.

Combination No. 6212—Arranged for Left hand side of store as you enter the front, length 25 ft. 6 in. (including return crown on both ends), height 12 ft. 1½ in. high, composed of 3 base units and 3 cabinet units also six half height units as follows:

No. 4280½H—Cabinets. These three half height cabinets are 30 in. high, with one adjustable shelf for duplicate stock or goods in original packages, w't 185 lbs ..... each ★ **AFJJ** $17.75

No. 3805½H—Cabinets. These three half height cabinets have glass drop fronts, with one removable shelf back of each, w't 290 lbs..... each ★ **FBBJ** 69.13

No. 3006—Cabinet, three sliding glass doors glazed with D. S. A. glass and fitted with ball bearing sheaves, sliding on inlaid steel track, interior lined with all wool felt and equipped with tool brackets, racks, etc., as shown, when specified this cabinet will be arranged for any assortment of goods desired, approximate w't packed 425 lbs., each★..... **HIEE** $99.50

No. 5115—Base, contains six glass front drawers as follows: 2-11¾×35¾ in., each with removable saw racks, two 11¾×35¾ in. each with sliding tray and 2-11¾×24 in. without sliding tray or racks, all 27¾ in. deep, sample boards are removable and covered with all wool felt, displaying the samples back of the glass, approximate w't packed 550 lbs.....each★ **GHFJ** $87.25

No. 3224—Cabinet, contains 10-6×6 in., 16-6×12 in., 10-6×18 in., 4-8×6 in., 4-8×18 in., glass front drawers, 2-12×24 in. glass drop fronts with removable shelf back of each, and 2-12×24 in. glass drop front insets with drawers back of each, approximate w't packed 670 lbs., each★ **ACGJE** $152.25

No. 5215—Base, contains four glass drop fronts and eight oak front drawers, three glass drop fronts back of which are 4-23¾×22 in. oak front drawers with removable partitions, one glass drop front, back of which are twenty 2¾×4¾ in. oak front drawers, with one partition, approximate w't packed 670 lbs..... each★ **AJHFE** $120.75

No 3200—Cabinet, contains 40-6×12 in. and 16-8×12 in. glass front drawers, provided with removable and adjustable felt covered sample boards, approximate w't packed 650 lbs., each★ ..... **AJHDE** $120.50

No. 5175—Base, contains 20 glass front drawers, 8-8×12 in., with two removable partitions, 4-8×24 in., with five removable partitions and 8-8×12in. oak front drawers, with two partitions in each drawer, sample boards are removable and covered with rich colored felt, approximate w't packed 530 lbs., each★ ..... **FIEE** $75.25

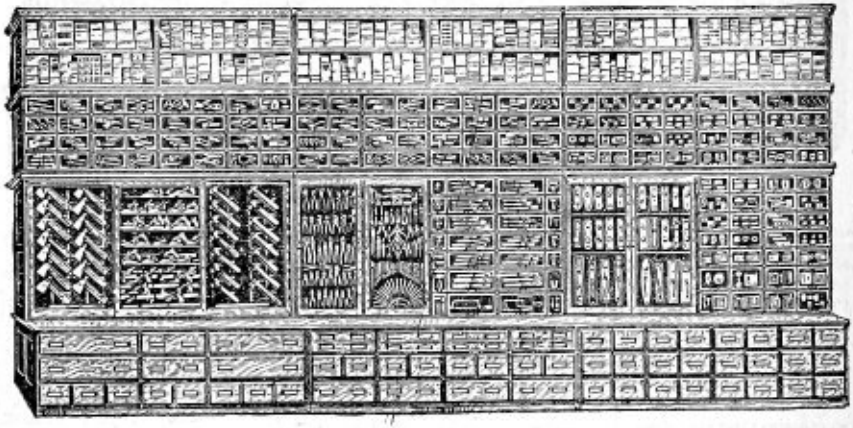
No. 6212—Combination complete, approximate w't packed 4,955 lbs..... each ★ **HBDEJ** $916.14

This equipment of fixtures can be arranged for Right hand side of store if desired. The units comprising this combination or equipment of fixtures may be rearranged or additional units added for greater length if desired, to suit any and all requirements.

Complete catalogue will be sent on application, describing fully the different units forming this combination and many others. Write us for prices.

★ *FOR FACTORY SHIPMENT ONLY.*

WARREN STANDARD HARDWARE STORE FIXTURES.



No. 4280½H Cabinet.
No. 3280½H Cabinet.
No. 3012 Cabinet.
No. 5313 Base.

No. 4280½H Cabinet.
No. 3280½H Cabinet.
No. 3310 Cabinet.
No. 5357 Base.

No. 4280½H Cabinet.
No. 3280½H Cabinet.
No. 3660 Cabinet.
No. 5325 Base.

Combination No. 6220—Arranged for the Left hand side of store as you enter the front, length 25 ft. 6 in (including return crown on both ends), height 12 ft. 1½ in.

This Combination is composed of six half height cabinet units, three cabinet units and three base units as follows:

No. 4280½H—Cabinets. These three half height cabinets are 30 in. high, with one adjustable shelf, for duplicate stock, or goods in original packages, w't 185 lbs..... each ★ **AFJJ** $17.75

No. 3280½H—Cabinets. These three half height cabinets are 30 in. high and each contains thirty-two 6×12 glass front drawers, w't 340 lbs..... each ★ **FEJE** $72.25

No. 3012—Cabinet, has three sliding glass doors, with ball bearing sheaves sliding on an inlaid steel track. The interior is lined with rich colored, all wool felt, and fitted with racks, display stands, etc., for goods as shown in illustration, w't 425 lbs.....each★ **HIEE** $99.50

No. 5313—Base, contains four 8×36, two 8×24 and eight 8×12 oak front drawers, all 26¾ in. deep, w't 490 lbs., each★ ..... **ECHJ** $59.75

No. 3310—Cabinet, has two glass swing panels, ten 6×6, ten 6×18, four 8×6 and four 8×18 in. glass front drawers. Swing panels are made with recessed frame to which sample boards are securely fastened, six adjustable shelves back of each; all sample boards covered with rich colored felt, and are removable, w't 565 lbs., each★..... **JIE.BJ** $105.75

No. 5357—Base, contains eight 3×22¾ in. oak front drawers, arranged in four removable insets, eight 8×12 and four 8×24 oak front drawers, all 26¾ in. deep, with removable partitions, w't 545 lbs.....each★ **GDIE** $83.25

No. 3660—Cabinet, for builder's hardware has thirty-one mahogany or quartered oak easel back sample boards back of glass and instantly removable. The two glass doors are hinged right and left. Mahogany boards will always be sent unless otherwise ordered. Balance of cabinet contains twenty-eight glass front drawers, w't 565 lbs., each★..... **ABE.IJ** $139.88

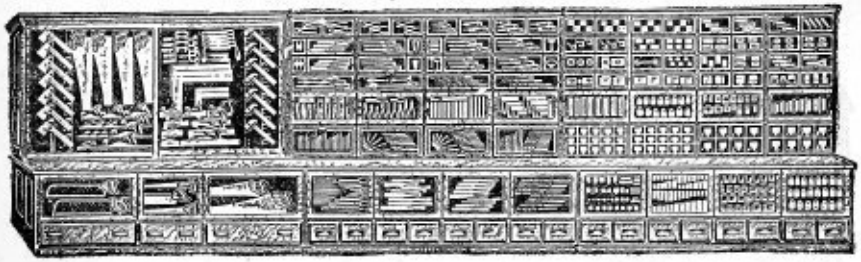
No. 5325—Base, contains twenty-four 8×12 oak front drawers, all 26¾ in. deep, with removable partitions, w't 510 lbs.....each★ **FJAJ** $66.75

No. 6220—Combination complete; approximate w't packed, 4,675 lbs..... each ★ **GDB.DJ** $224.88

This combination of fixtures can be arranged for the Right hand side of store if desired.
The units comprising the combination may be rearranged or additional units added for greater length.
Complete catalogue will be sent on application, describing fully the different units forming this Combination and many others.
Write us for prices.

★ ***FOR FACTORY SHIPMENT ONLY.***

WARREN STANDARD HARDWARE STORE FIXTURES.



No. 3064 Cabinet. No. 5205 Base. | No. 3248 Cabinet. No. 5215 Base. | No. 3540 Cabinet. No. 5225 Base.

Combination No. 6200—For Left hand side of store as you enter the front, length 25 ft 6 in. (including return crown on both ends) is composed of the following units:

No. 3064—Cabinet, has two sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. The interior is lined with rich colored, all wool felt and fitted with racks, brackets, display stands, etc., as illustrated, w't 425 lbs., each★ . . . . . HIEE $99.50

No. 5205—Base, contains three glass drop fronts, with adjustable shelves back of each, two 8×36, and one 8×25 in. oak front drawers, all 26¾ in. deep, w't 550 lbs. . . . . each ★ GHAJ $86.75

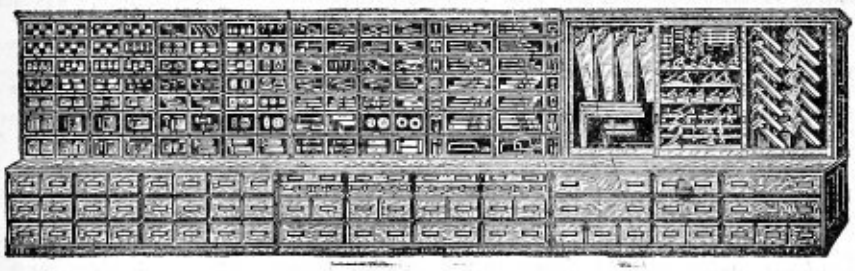
No. 3248—Cabinet, contains eight 6×6, eight 6×12, eight 6×18 and four 6×24 glass front drawers, all with felt covered sample boards and one removable partition. Four glass drop fronts, with one removable shelf back of each and four glass drop front insets with drawers back of each for goods such as shown in illustration. All drop fronts and insets provided with removable felt covered sample boards, w't 670 lbs., each★ . . . . . AEA.AJ $167.88

No. 5215—Base, contains four glass drop fronts and eight 8×12 oak front drawers. All drop fronts have drawers with removable partitions arranged back of each, for goods such as shown in illustration, w't 670 lbs., each★ . . . . . AJH.GJ $120.75

No. 3540—Cabinet, contains thirty-two 6×12 glass front drawers, four glass drop fronts, with one removable shelf back of each opening, thirty 2¾×3⅞ and sixteen 4⅛×4⅞ oak front drawers. These oak front drawers for screws, screw hooks and eyes, stove and tire bolts, etc., are fitted with sliding covers so arranged that only one compartment at a time is open, w't 665 lbs., each★ . . . . . ADE.DE $161.63

No. 5225—Base, contains four glass drop fronts and eight 8×12 oak front drawers. Sixty-four oak front drawers, with partition are furnished back of the drop fronts for goods such as shown in illustration, w't 700 lbs., each★ . . . . . AJH.GJ $120.75

No. 6200—Combination complete, approximate w't packed 3,680 lbs. . . . . each ★ FHA.EE 757.26



No. 3500 Cabinet. No. 5325 Base. | No. 3208 Cabinet. No. 5361 Base. | No. 3014 Cabinet. No. 5313 Base.

Combination No. 6204—For Right hand side of store as you enter front, length 25 ft. 6 in. (including return crown on both ends) height 7 ft. 1½ in. is composed of the following units:

No. 3500—Cabinet, contains forty 6×12 and sixteen 8×12 glass front drawers, all fitted with felt covered sample boards and one partition, both of which are removable and adjustable, w't 650 lbs. . . . . each★ AJH.DE $120.50

No. 5325—Base, contains twenty-four 8×12 oak front drawers, all 26¾ in. deep, and fitted with removable partitions, w't 510 lbs., each★ FJAJ $66.75

No. 3208—Cabinet, contains ten 6×6, twenty 6×12, ten 6×18, four 8×6, eight 8×12 and four 8×18 glass front drawers, all fitted with felt covered sample boards and one partition, both of which are removable and adjustable, w't 650 lbs. . . . each★ AJH.DE $120.50

No. 5361—Base, contains four 3×22⅝ and sixteen 3×5⅛ in. oak front drawers, with partitions arranged in four removable insets, eight 8×12 and four 8×24 in. oak front drawers, 26¾ in. deep with removable partitions, w't 555 lbs. . . . . each★ GFIE $85.50

No. 3014—Cabinet, has three sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. The interior is lined with colored all wool felt and fitted with brackets, racks, display stands, etc., as illustrated, w't 425 lbs., each★ . . . . . HIEE $99.50

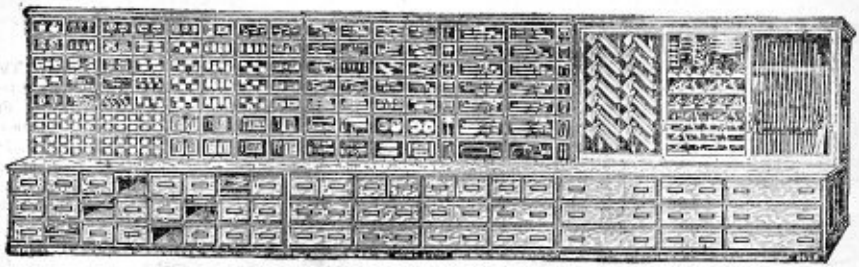
No. 5313—Base, contains one 8×36, with sliding tray, one 8×36 with saw rack, two 8×36 without trays, racks or partitions, two 8×24 and eight 8×12 oak front drawers, with removable partitions, all 26¾ in. deep, w't 490 lbs., each★ . . . . . ECHJ $59.75

No. 6204—Combination complete, approximate w't packed 3,280 lbs. . . . . each ★ DIG.BE $552.50

Combinations can be arranged for Left hand side of store, or additional units added for greater length or height, if desired. Complete catalogue will be sent on application. Write us for prices.

★*FOR FACTORY SHIPMENT ONLY*

WARREN STANDARD HARDWARE STORE FIXTURES.



No. 3524 Cabinet.
No. 5417 Base.

No. 3208 Cabinet.
No. 5333 Base.

No. 3004 Cabinet.
No. 5309 Base.

Combination No. 6228—For Right hand side of store as you enter the front, length 25 ft. 6 in. (including return crown on both ends), height 7 ft. 1½ in. is composed of the following units:

No. 3524—Cabinet, contains forty 6×12 and eight 8×12 glass front drawers, with removable felt covered sample board, and one partition and forty 2¾×3⅞ oak front drawers, arranged in four removable insets. These oak front drawers have sliding covers so arranged that only one compartment is open at a time, for screws, screw hooks and eyes, etc., w't 685 lbs., each★ .....ADB.BJ $158.00

No. 5417—Base, contains twenty-four 8¾×11½ open flat bottom bins, 27 in. deep for strap and T hinges, pipe fittings and other loose goods. Each bin is provided with an oak drop front, thus giving the appearance of oak front drawers, card frames and cards attached, w't 440 lbs. each★ ECBJ $69.13

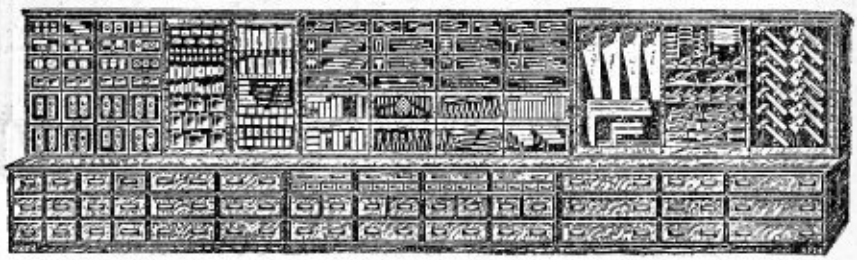
No. 3208—Cabinet, contains ten 6×6, twenty 6×12, ten 6×18, four 8×6, eight 8×12 and four 8×18 glass front drawers. All glass front drawers are interchangeable with each other and from one cabinet to another, and provided with sample board covered with rich colored felt and one partition, both of which are removable and adjustable, w't 650 lbs...each★ AJH.DE $120.50

No. 5333—Base, contains eight 8×12 and eight 8×24 oak front drawers, all fitted with removable partitions, all 26¾ in. deep inside. Card frames and cards attached to fronts of all drawers, w't 500 lbs...each★ EGJE $63.38..

No. 3004—Cabinet, has three sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. The interior is lined with rich colored, all wool felt, and fitted with racks, brackets, shelves, display stands, etc., as illustrated, w't 425 lbs.. .. ...each★ HIEE $99.50

No. 5309—Base, contains two 8×36 with sliding trays, two 8×36 with saw racks, two 8×36 without trays or partitions and three 8×24 oak front drawers with removable partitions, w't 470 lbs., each★ .. ..EAJG $56.75

No. 6228—Combination complete, approximate w't packed, 3,170 lbs.....each★ EJA.EE $557.26



No. 3620 Cabinet.
No. 5329 Base.

No. 3240 Cabinet.
No. 5361 Base.

No. 3014 Cabinet.
No. 5309 Base.

Combination No. 6224—For Right hand side of store as you enter front, length 25 ft. 6 in. (including return crown on both ends), height 7 ft. 1½ in. is composed of the following units:

No. 3620—Cabinet, contains sixteen 6×12 and eight 12×12 glass front drawers and two glass swing panels with six adjustable shelves back of each for stock in original packages. All sample boards removable and covered with rich colored, all wool felt, w't 550 lbs., each★.. .. ..JIA.DE $101.63

No. 5329—Base, contains twelve 8×12 and six 8×24 oak front drawers, all arranged with removable partitions, 26¾ in. deep inside, w't each 500 lbs., each★.. .. ..EGHE $64.25

No. 3240—Cabinet, contains eight 6×6, eight 6×12, eight 6×18, four 6×24 in. glass front drawers and eight glass drop fronts with one removable shelf back of each for goods in original packages. All sample boards removable and covered with rich colored felt, w't 575 lbs., each★.. .. ..AJH.CE $120.38

No. 5361—Base, contains four 3×22¾ and sixteen 3×5⅝ in. oak front drawers, with removable partitions arranged in four removable insets, eight 8×12 and four 8×24 in. oak front drawers 26¾ in. deep, with removable partitions, w't 555 lbs. each★ .. ..GFIE $85.50

No. 3014—Cabinet, has three sliding glass doors, with ball bearing sheaves sliding on an inlaid steel track. The interior is lined with rich colored, all wool felt and fitted with display stands, racks, brackets, etc., for goods, as shown in illustrations, w't 425 lbs., each★ .. ..HIEE $99.50

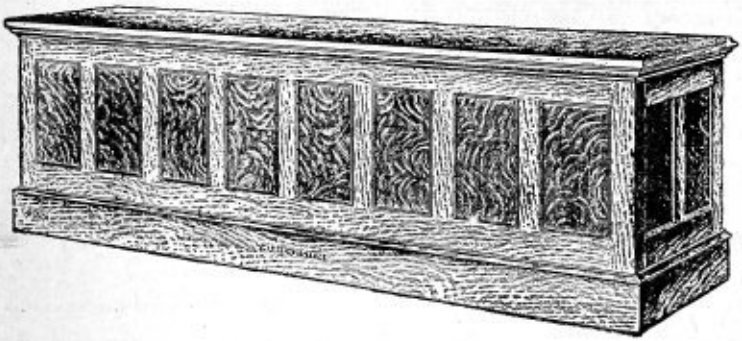
No. 5309—Base, contains two 8×36, with sliding tray, two 8×36, with saw racks, two 8×36, without racks, trays or partitions and three 8×24 in. oak front drawers, with removable partitions, w't 470 lbs. each★ EAAJ $56.75

No. 6224—Combination complete, approximate w't packed, 3,075 lbs.....each★ DGE.BJ $528.00

Combinations of units can be arranged for Left hand side of store, or additional units added for greater length or height, if desired. Complete catalogue will be sent on application. Write us for prices.

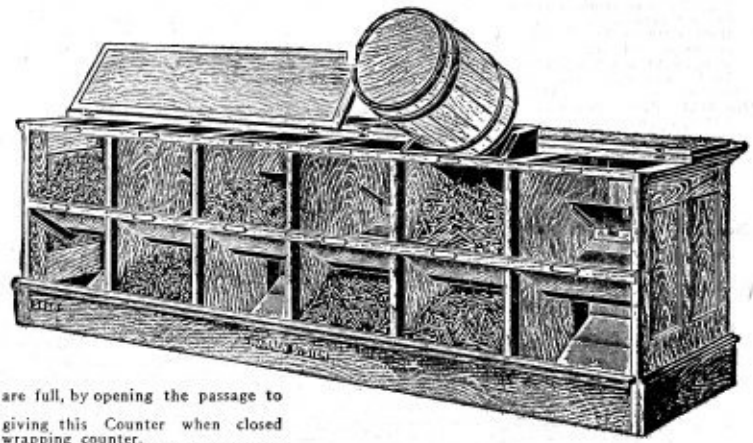
★ *FOR FACTORY SHIPMENT ONLY.*

WARREN STANDARD OAK FRONT WRAPPING COUNTERS.



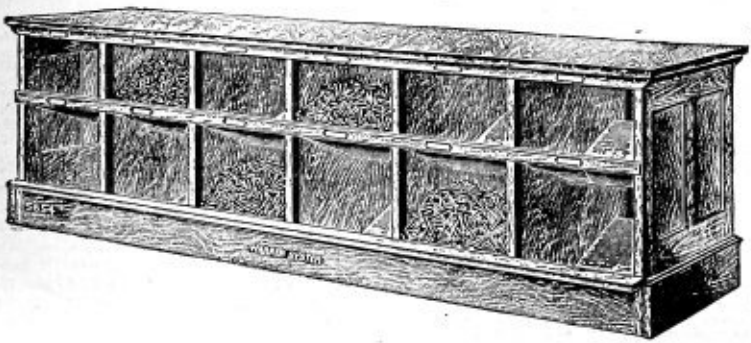
No. 5500—Counter. The illustration shows the top, front and ends of all Oak Front Wrapping Counters. These counters are 8 ft. 8 in. long, 2 ft. 7¾ in. wide, and 2 ft. 7½ in. high, with solid oak top, paneled oak front and ends, rear arranged with adjustable shelves.
Approximate w't packed, 500 lbs., each★.....CGIJ $42.13

WARREN PATENT 20TH CENTURY NAIL BIN WRAPPING COUNTERS.



No. 5658—Counter; an ingenious arrangement for nails, whereby all bins, both in upper and lower row, may be filled from the original keg at any time through the open or hinged top.
This counter has paneled oak front and ends and an oak top, one-half of which is hinged in two parts.
The bins have bottoms sloping toward the center from both front and rear, greatly facilitating the removal of the nails, and have an average capacity of 150 pounds each.
Bins in the lower row are filled by raising the hinged top, opening the passage to lower bins and inserting our especially designed heavy galvanized "tee" chute in top of upper bin. (See illustration, lower bin being filled while upper one is full).
Bins in upper row are filled simply by closing the passage to lower bins and emptying the keg of nails through the top of upper bin (no chute necessary). Any bin in lower row may be filled at any time while upper bins are full, by opening the passage to lower bins and inserting the chute.
Tops hinged with invisible hinges, giving this Counter when closed every appearance of a solid oak top wrapping counter.
Approximate w't packed, 535 lbs.....each ★ FBAJ $69.00

WARREN NAIL BIN WRAPPING COUNTERS.



No. 5654—Counter; this counter, with solid oak top, paneled oak front and ends is arranged in the rear with 12 nail bins correct in size, shape, proportion and operation, each with an average capacity of over 150 pounds. The bottom of each bin recedes toward the center from both front and rear. An extension ledge flush with bottom of lower bins allows the scale scoop to be placed well underneath the front of bins, which prevents scattering contents.
Approximate w't packed, 510 lbs., each ★..... EJIJ $56.63

Complete catalogue sent on application.

Write us for prices.

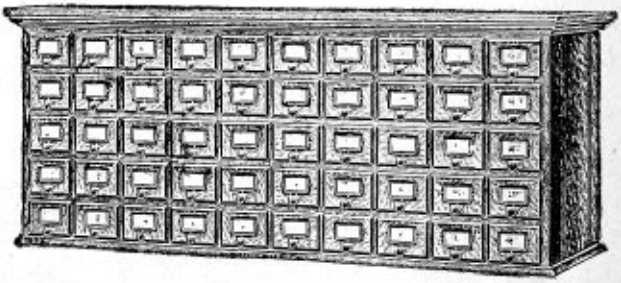
★*FOR FACTORY SHIPMENT ONLY.*

WARREN STANDARD SCREW CASES.

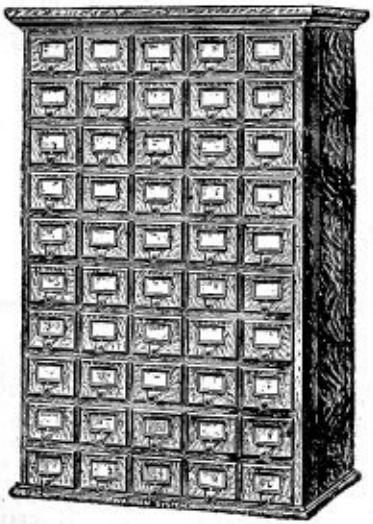
The exterior of all Warren screw cases is made of oak, hand rubbed and polished finish, and the interior of soft wood, usually poplar. The backs are well seasoned, varnished, matched and beaded lumber. The drawers have sliding covers so arranged that only one compartment is open at a time. By removing drawers from screw case, contents of any particular compartment can be emptied in the hand or on the counter and returned, or goods from original packages emptied into the different compartments without danger of mixing the different sizes. All screw case drawers have pulls, card frame and cards attached to fronts and our inlaid price card on the side of each, where a record of the size, number, cost and selling price of the different sizes can be kept, opposite each compartment.



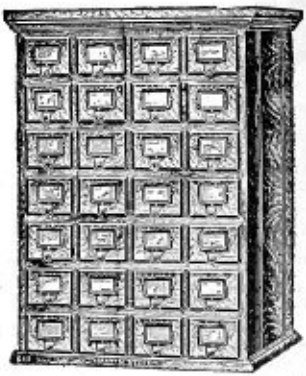
No. 6100—Case, 19⅝ in. high, 16½ in. wide, 15½ in. deep, contains 15 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—60 in all—approximate w't packed 70 lbs.,
each★ ..... ACEJ $13.63



No. 6133—Case, 19⅝ in. high, 48½ in. wide, 15½ in. deep, contains 50 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—200 in all—approximate w't packed 175 lbs.,
each★ ..... CDHE $35.25



No. 6122—Case, 37⅛ in. high, 25⅝ in. wide, 15½ in. deep, contains 50 oak front drawers with sliding covers, with three removable partitions, forming four compartments in each—200 in all—approximate w't packed 175 lbs.,
each★ ..... CDHE $35.25



No. 6111—Case, 26⅝ in. high, 21 in. wide, 15½ in. deep, contains 28 oak front drawers with sliding covers, with three removable partitions forming four compartments in each—112 in all—approximate w't packed 110 lbs.,
each★ ..... BAEJ $21.75

Complete catalogue sent on application.. Write us for prices.

★*FOR FACTORY SHIPMENT ONLY.*

WARREN ECONOMICAL HARDWARE STORE FIXTURES.

The Warren Economical Store Fixtures like all Warren's production are made on the Sectional Interchangeable Unit System.

The bases are 8 ft. 4⅜ in. long, 2 ft. 7½ in. high and 2 ft. 6 in. deep. All cabinets are 8 ft. 4⅝ in. long, 4 ft. 6 in. high and 1 ft. 3⅝ in. deep.

All outside exposures made of white oak. All interior construction of soft wood, usually poplar.

All Economical Fixtures have a matched and beaded back of soft wood, protecting stock from damp walls or possible loss of goods by being misplaced or falling down back of fixtures. All fixtures are built amply strong to sustain the weight of all Hardware Goods and every detail of trimming is complete, including all brackets, supports, shelves, racks, pulls, card frames, cards, etc.

The finish for Warren Economical Fixtures is "Mission Weathered Oak" and this finish will always be sent unless otherwise ordered.

How to Order—It will only be necessary to use the catalogue numbers of the different units desired, in the order they are to be placed in the store.

Send us a pencil sketch, with the numbers of the different units (cabinets and bases) inserted, showing relative location of each as they will be placed in the store.

State on which side, Right or Left of store as you enter the front, fixtures are to be placed.



No. 200 Cabinet.
No. 100 Base.

No. 242 Cabinet.
No. 112 Base.

No. 270 Cabinet.
No. 118 Base.

Combination No—Arranged for Left hand side of store as you enter the front, is 25 ft. 4⅜ in. long, 7 ft. 1½ in. high and is composed of three cabinet units, three base units and finished end panels as follows:

No. 200—Cabinet; has two sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. Interior lined with rich colored felt and fitted with tool racks, brackets, display stands, etc., as shown in illustrations, w't 415 lbs.. .. ..each★ **FDEJ** $71.63

No. 100—Base; contains two 10×24, four 10×36, one 2¾×24 and two 2¾×36 in., oak front drawers, w't 400 lbs..... each★ **CFIJ** $41.00

No. 242—Cabinet; has four swing panels, arranged with removable sample boards covered with rich colored felt. Six adjustable shelves back of each swing panel, for goods in original packages, w't 425 lbs.each★**FJCJ**$67.00

No. 112—Base; contains sixteen 5⅜×24 in. oak front drawers. 28 in. deep, with partitions, w't 450 lbs., each★ .. ..**DCJJ** $47.75

No. 270—Cabinet; contains sixty-four 5⅝×12 oak front drawers with loose partitions, w't 615 lbs.each★**FJCJ**$61.88

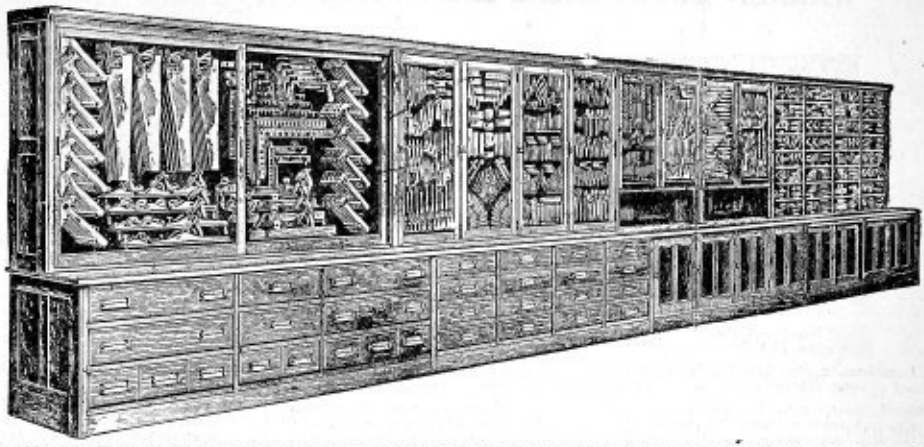
No. 118—Base; has four oak paneled sliding doors, with one shelf back of each opening. Sliding doors are fitted with ball bearing sheaves and slide on an inlaid steel track, w't 330 lbs., each★ .. ..**CBIJ** $35.63

No. 10—Combination complete, approximate w't packed, 2,685 lbs..... each ★ **BIB.IE** $324.88
No. 372—Two finished cabinet end panels, and **No. 370**—Two finished base end panels, to finish exposed ends of combination, w't each 13 lbs..... each★ **ACE** $1.50

This Combination of fixtures can be arranged for Right side of store, or additional units added for greater length or height, as desired. Complete catalogue sent on application, describing fully the different units forming this combination and many others. Write us for prices, these list prices do not include Removable Finished End Panels.

★*FOR FACTORY SHIPMENT ONLY.*

WARREN ECONOMICAL HARDWARE STORE FIXTURES.



Combination No. 26—For Left hand side of store as you enter front, length 33 ft. 9 in., height 7 ft. 1½ in. and composed of four cabinet units, four base units and four finished end panels, as follows:

No. 200—Cabinet, has two sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. Interior lined with rich, colored felt and fitted with tool brackets, display stands, racks, etc., for goods as shown in illustration, w't 415 lbs..each★**FDEJ** $71.63

No. 104—Base, contains eight 7⅛ ×12, two 7⅛ ×24 and four 7⅛ ×36 in. oak front drawers, all 28 in. deep, w't 425 lbs., each★**DABJ** $45.75

No. 242—Cabinet, has four swing panels, arranged with removable sample boards covered with rich, colored felt. Six adjustable shelves back of each swing panel for goods in original packages, w't 425 lbs., each ★ .....**FJCJ** $67.00

No. 112—Base, contains sixteen 5⅝ ×24 in. oak front drawers, 28 in. deep, with partitions, w't 450 lbs., each★ .. .. ..**DCJJ** $47.75

No. 230—Cabinet, has four swing panels, arranged with removable sample boards, covered with rich, colored felt. Five adjustable shelves back of each swing panel. When used in conjunction with any base, the open space at bottom forms a wrapping counter, w't 335 lbs..each★ **EEGJ** $61.88

No. 122—Base, has four oak paneled swing doors with one shelf back of each opening, w't 330 lbs., each★ .. .. **CBJE** $35.63

No. 270—Cabinet, contains sixty-four 5⅝ ×12 oak front drawers, with loose partitions. All drawers are interchangeable with each other and from one cabinet to another, w't 615 lbs., each★ .. .. ..**EEGJ**$61.88

No. 118—Base, has four oak paneled sliding doors with one shelf back of each opening. Sliding doors are fitted with ball bearing sheaves and slide on an inlaid steel track, w't 330 lbs..each★ **CBJE** $35.63

No. 26—Combination complete, approximate w't packed, 3,375 lbs.....each★ **CHD.DJ** $427.13



Combination No. 36—For Left hand side of store as you enter front, length 25 ft. 4⅜ in., height 7 ft. 1½ in., is composed of following units:

No. 202—Cabinet, has three sliding glass doors, with ball bearing sheaves sliding on an inlaid steel track. Interior lined with rich colored, all wool felt and fitted with brackets, racks and display stands, as shown in illustration, w't 415 lbs.....each★ **FBAJ** $69.00

No. 104—Base, contains eight 7⅛ ×12, two 7⅛ ×24 and four 7⅛ ×36 in. oak front drawers, 28 in. deep, w't 425 lbs., each★ .. ..**DABJ** $45.75

No. 274—Cabinet, contains thirty-two 5⅝ ×12, eight 5⅝ ×6, eight 5⅝ ×18 and eight 5⅝ ×24 oak front drawers, all with loose partitions, w't 605 lbs., each★ .. ..**EDBJ** $59.13

No. 122—Base, has four oak paneled swing doors, with one shelf back of each opening, w't 330 lbs., each★.. .. ..**CBJE** $35.63

No. 272—Cabinet, contains sixty-four 5⅝ ×12 oak front drawers, with loose partitions, all interchangeable with each other and from one cabinet to another, w't 615 lbs.each★**EEGJ**$61.88

No. 136—Base; nail bin base contains twelve 15¾ ×10½ in. open slant bottom nail bins, 28 in. deep, w't 345 lbs., each★ .. ..**BHAE** $31.25

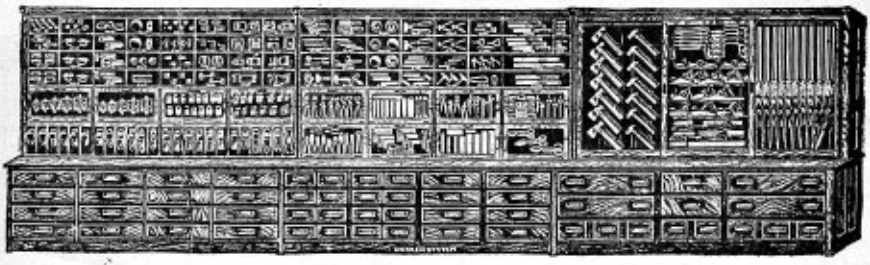
No. 36—Combination complete, approximate w't packed, 2,785 lbs.....each★ **BGB.CE** $302.63

No. 372—Two Cabinet End Panels and **No. 370** Two Base End Panels for finishing exposed ends of above combinations, w't each 13 lbs.....each★ **ACE** $1.50

These combinations can be arranged for Right hand side of store or additional units added for greater length or height, as desired. Complete catalogue sent on application describing fully the different units forming this and many other combinations. Write us for prices.

★ *FOR FACTORY SHIPMENT ONLY.*

WARREN ECONOMICAL HARDWARE STORE FIXTURES.



No. 260 Cabinet. No. 112 Base. | No. 262 Cabinet. No. 116 Base. | No. 204 Cabinet. No. 104 Base.

Combination No. 34—Arranged for Right hand side of store as you enter the front, length 25 ft. 4⅜ in., height 7 ft 1½ in., is composed of three cabinet units, three base units and four finished end panels as follows:

No. 260—Cabinet, contains thirty-two 5⅝×12 oak front drawers, four drop fronts with removable felt covered sample boards and twenty-four oak, builders hardware sample boards, w't 490 lbs.....each★ **FCHJ** $70.88

No. 112—Base, contains sixteen 5⅜×24 oak front drawers, with loose partitions, all 28 in. deep, w't 450 lbs., each★.....**DCJJ** $47.75

No. 262—Cabinet, contains twenty-four 5⅜×12, two 5⅜×6, two 5⅜×18, two 5⅜×24 oak front drawers, with loose partitions and eight drop fronts with removable felt covered sample boards, w't 490 lbs. each★ **FCHJ** $70.88

No. 116—Base, contains sixteen 5⅜×12 and eight 5⅜×24 oak front drawers with loose partitions, all 28 in. deep, w't 470 lbs.....each★ **DGGJ** $53.00

No. 204—Cabinet, has three sliding glass doors, with ball bearing sheaves, sliding on an inlaid steel track. Interior lined with rich colored felt and fitted with, display stands, racks, brackets, etc. for goods as shown in illustration, w't 415 lbs.....each★ **FJJE** $66.75

No. 104—Base, contains four 7½×36, two 7½×24 and eight 7½×12 oak front drawers, all 28 in. deep, w't 425 lbs.....each★ **DABJ** $45.75

No. 34—Combination complete, approximate w't packed, 2,790 lbs.....each ★ **CALEJ** $355.00
No. 372—Two finished cabinet end panels and **No. 370**—Two finished base end panels to finish exposed ends of this combination, w't each 13 lbs.....each ★ **ACE** $1.50



No. 264 Cabinet. No. 122 Base. | No. 242 Cabinet. No. 122 Base. | No. 200 Cabinet. No. 100 Base.

Combination No. 30.—Arranged for Right hand side of store as you enter the front, length 25 ft. 4⅜ in., height 7 ft. 1½ in. is composed of three cabinet units, three base units and four finished end panels as follows:

No. 264—Cabinet, contains thirty-two 5⅝×12 oak front drawers and eight drop fronts, with removable felt covered sample boards, w't 490 lbs., each★.....**FCHJ** $70.88

No. 122—Base, has four oak paneled swing doors, with one shelf back of each, w't 330 lbs. each★ **CBJE** $35.63

No. 242—Cabinet, has four swing panels, with removable sample boards covered with rich colored felt. Six adjustable shelves back of each opening for goods in original packages, w't 425 lbs., each★.....**FJCJ** $67.00

No. 122—Base, has four oak paneled swing doors, with one shelf, back of each opening, w't 330 lbs., each★.....**CBJE** $35.63

No. 200—Cabinet, has two sliding glass doors with ball bearing sheaves sliding in an inlaid steel track. Interior lined with rich colored felt and fitted with tool racks, brackets, display stands, etc., as shown in illustration, w't 415 lbs.....each★ **FDDE** $71.63

No. 100—Base, contains two 10×24, four 10×36, one 2¾×24 and two 2¾×36 oak front drawers, all 28 in. deep, w't 400 lbs., each★ **CFIJ** $41.00

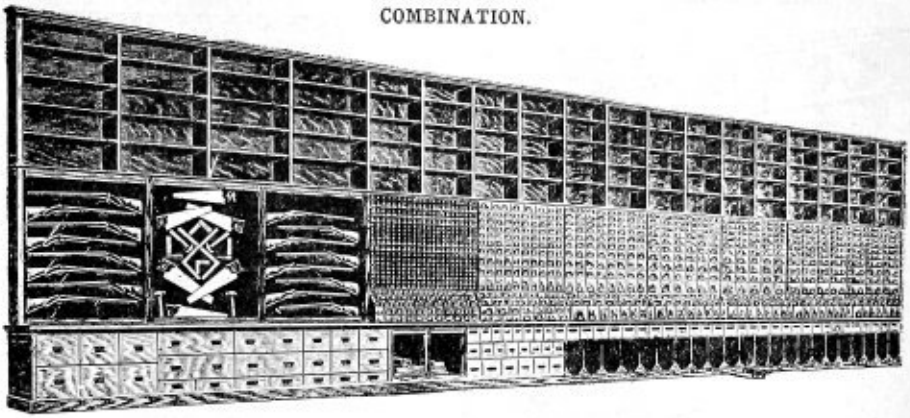
No. 30—Combination complete, approximate w't packed, 2,440 lbs.....each ★ **BHLFJ** $321.75
No. 372—Two finished cabinet end panels and **No. 370**—Two finished base end panels to finish exposed ends of this Combination, w't each 13 lbs.....each ★ **ACE** $1.50

These Combinations can be arranged for Left hand side of store or additional units added for greater length or height as desired. Complete catalogue will be sent on application, describing fully the different units forming this and many other combinations. Write us for prices.

★ *FOR FACTORY SHIPMENT ONLY.*

RIVERSIDE HARDWARE FIXTURES.

COMBINATION.

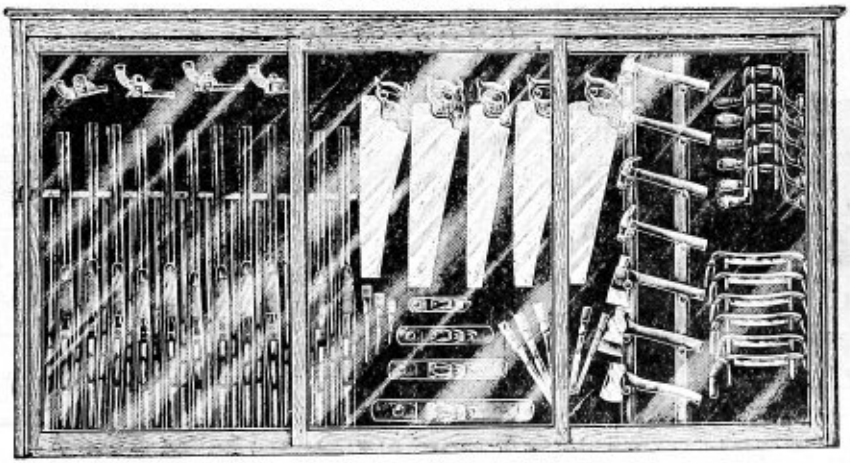


Combination made of the best quarter sawed oak, finished in natural color, thoroughly filled, rubbed and coated with Berry's white shellac varnish and consists of open cabinets, bases, shelving and wall show cases. The bases are subdivided into bolt bases, nail bins, open bases, etc. Length over all is 50 feet, any height desired.

1 only No. 1 Cabinet★	each	JHHJJ	$100.00
1 only No. 3 Cabinet★	each	GGJJ	87.50
1 only No. 4 Cabinet★	each	GAEJ	81.25
1 only No. 5 Cabinet★	each	FFJJ	75.00
1 only No. 6 Cabinet★	each	FJEJ	68.75
1 only No. 7 Cabinet★	each	EEJJ	62.50
1 only No. 8 Cabinet★	each	DIEJ	56.25
Combination complete★			

12 ft. 8 in. No. 150 Wall Case★	each	FIFE	$ 79.16
50 ft. Open Shelving above Cabinet★	each	FHGE	78.12
3 ft. No. 100 Bases★	each	AIHJ	22.50
6 ft. No. 104 Bases★	each	CIFJ	45.00
3 ft. No. 102 Bases★	each	AIHJ	22.50
3 ft. No. 113 Bases★	each	AIHJ	22.50
7 ft. 6 in. No. 108 Bases★	each	DIEJ	56.25
27 ft. 6 in. No. 115 Nail Base★	each	AEABE	171.88
		JIHGHE	$1029.16

WALL SHOW CASE.



No. 150. Indispensable, made of highly seasoned quarter sawed oak panel and beaded, with fancy top cornice, sliding glass doors, ball-bearings, double strength AA glass, inside lined with green felt giving a background for showing up the contents favorably. Complete with brackets or shelves as ordered. Specially designed to show guns, rifles, sporting goods, tools, etc., height 6 feet, depth 14 inches outside.

No. 150—Without shelves, brackets only★	per running foot	FJJ	$6.25
No. 155—With shelves, one foot apart★	per running foot	GBJ	7.50

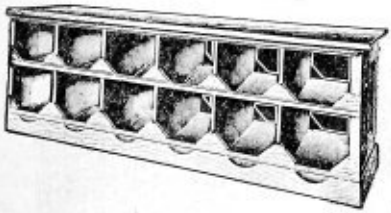
For further description and illustration of each cabinet, write for factory catalogue.

SHIPPING W'T PER RUNNING FOOT 25 LBS.

★*FOR FACTORY SHIPMENT ONLY, KANSAS CITY, MO.*

RIVERSIDE HARDWARE FIXTURES.

NAIL COUNTER.



No. 116—Height of base 33 in., depth 32 in., width of bins 14 in., length 29 in., made in any length, bins have heavy steel bottoms, w't per running foot 40 lbs., per running foot★ .....**FJJ** $6.25

GLASS RACKS.



No. 040—Highly finished oak with panel ends, it will hold a stock of glass 8x10 in. to 36x48 in., it is 96 in. high and 36 in. deep, with adjustable divisions, shipping w't 80 lbs., each★ .....**GBJJ** $75.00

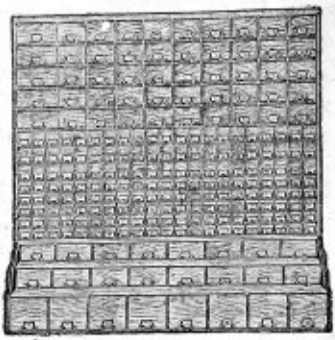
CABINET.



Quarter Sawed Oak, Natural Color, Hand Rubbed.

No. 130—Open, placed between the regular cabinet and ceiling to carry surplus stock, makes fine and most substantial shelving, can be made any height to fill space between regular cabinet and ceiling, but unless otherwise ordered, is shipped in regular size as follows—height 63 in., length 64 in., depth 12 in., with back, furnished with removable shelves one foot apart, shipping w't 250 lbs., each★ .....**AFBJ** $16.88

CABINET.



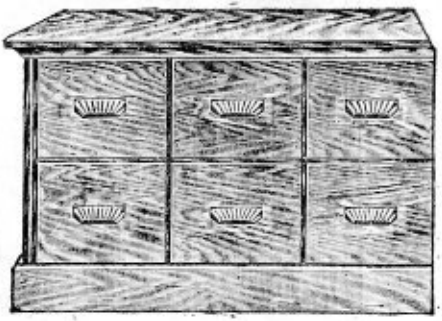
No. 2-B—Cabinet, contains 242 drawers, height 63 in., length 64 in., depth at top 12 in., depth at base 20 in., complete with set of labels, shipping w't 500 lbs.★ each **IJJJ** $93.75

BOLT CASES.



No. 135—Oak, highly finished, panel ends, 19 spaces for bolts, height 48 in., length 64 in., depth 7 in., bottom 17 in., w't 200 lbs.★ .....each **CJJJ** $31.25

BASES.



No. 100.

Quarter Sawed Oak, Natural Color, Hand Rubbed.

No. 100—6 drawers, all same size, 23x14x11 in., height of base 33 in., depth 32 in., shipped as shown but made up with any size drawers, as ordered,★ per running foot **GBJ** $7.50

No. 102—9 drawers, 23x12¼x8¼ to 23x12½x3½ in., height of base 33 in., depth 32 in., shipped as shown but made up with any size drawers as ordered★--per running foot **GBJ** $7.50

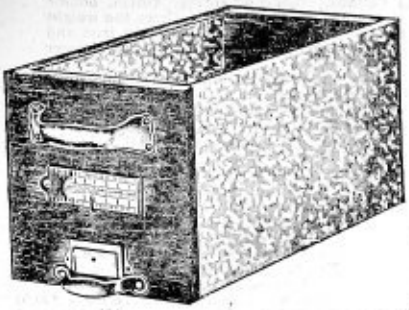
Shipping weight on all the above cases per running ft., 45 lbs.

For further description and illustration of each cabinet, write for factory catalogue.

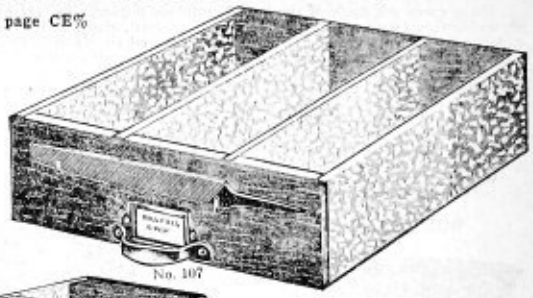
★FOR FACTORY SHIPMENT ONLY, KANSAS CITY, MO.

RIVERSIDE SHELF BOXES*

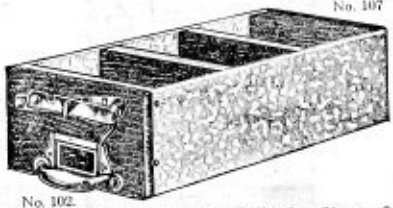
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No. 601.



No. 107



No. 102.

Galvanized Steel, Can Be Had in Any of the Following Sizes. Order by Number.

Nos.	Width in.	Depth in.	Length in.	Each.
100	3	3	12	$0.30
101	4	3	12	.31
102	5	3	12	.32
103	6	3	12	.34
104	7	3	12	.36
105	8	3	12	.38
X106	9	3	12	.42
X107	10	3	12	.46
X108	12	3	12	.50
X109	15	3	12	.56
X110	18	3	12	.68
X111	20	3	12	.76
X112	24	3	12	.88
X113	30	3	12	1.04
400	4	4	12	.34
401	5	4	12	.36
402	6	4	12	.38
403	7	4	12	.42
404	8	4	12	.44
X405	9	4	12	.48
X406	10	4	12	.56
X407	12	4	12	.58
X408	15	4	12	.64
X409	18	4	12	.76
X410	20	4	12	.84
X411	24	4	12	.96
X412	30	4	12	1.14
500	5	5	12	.42
501	6	5	12	.46
502	7	5	12	.48
503	8	5	12	.52
504	9	5	12	.58
505	10	5	12	.64
506	12	5	12	.66
507	15	5	12	.74
508	18	5	12	.86
509	20	5	12	.94
510	24	5	12	1.04
511	30	5	12	1.24
600	5	6	12	.48
601	6	6	12	.52
602	7	6	12	.56
603	8	6	12	.60
604	9	6	12	.66
605	10	6	12	.72
606	12	6	12	.76
607	15	6	12	.84
608	18	6	12	.96
609	20	6	12	1.04
610	24	6	12	1.12
611	30	6	12	1.36
612	36	6	12	1.60

Nos.	Width in.	Depth in.	Length in.	Each.
125	3	3	14	$0.36
126	4	3	14	.37
127	5	3	14	.38
128	6	3	14	.40
129	7	3	14	.44
130	8	3	14	.46
X131	9	3	14	.50
X132	10	3	14	.56
X133	12	3	14	.60
X134	15	3	14	.68
X135	18	3	14	.82
X136	20	3	14	.92
X137	24	3	14	1.06
X138	30	3	14	1.24
425	4	4	14	.40
426	5	4	14	.44
427	6	4	14	.46
428	7	4	14	.50
429	8	4	14	.54
X430	9	4	14	.58
X431	10	4	14	.68
X432	12	4	14	.74
X433	15	4	14	.76
X434	18	4	14	.92
X435	20	4	14	1.02
X436	24	4	14	1.16
X437	30	4	14	1.38
525	5	5	14	.50
526	6	5	14	.56
527	7	5	14	.58
528	8	5	14	.62
529	9	5	14	.70
530	10	5	14	.76
531	12	5	14	.80
532	15	5	14	.88
533	18	5	14	1.04
534	20	5	14	1.14
535	24	5	14	1.24
536	30	5	14	1.48
625	5	6	14	.58
626	6	6	14	.62
627	7	6	14	.68
628	8	6	14	.72
629	9	6	14	.80
630	10	6	14	.86
631	12	6	14	.92
632	15	6	14	1.00
633	18	6	14	1.16
634	20	6	14	1.24
635	24	6	14	1.34
636	30	6	14	1.64
637	36	6	14	1.92

Nos.	Width in.	Depth in.	Length in.	Each.
150	3	3	16	$0.42
151	4	3	16	.43
152	5	3	16	.44
153	6	3	16	.46
154	7	3	16	.52
155	8	3	16	.54
X156	9	3	16	.58
X157	10	3	16	.66
X158	12	3	16	.70
X159	15	3	16	.80
X160	18	3	16	.96
X161	20	3	16	1.08
X162	24	3	16	1.24
X163	30	3	16	1.44
450	4	4	16	.48
451	5	4	16	.52
452	6	4	16	.54
453	7	4	16	.58
454	8	4	16	.64
X455	9	4	16	.68
X456	10	4	16	.80
X457	12	4	16	.84
X458	15	4	16	.88
X459	18	4	16	1.08
X460	20	4	16	1.20
X461	24	4	16	1.36
X462	30	4	16	1.62
550	5	5	16	.58
551	6	5	16	.66
552	7	5	16	.68
553	8	5	16	.72
554	9	5	16	.82
555	10	5	16	.88
556	12	5	16	.94
557	15	5	16	1.02
558	18	5	16	1.22
559	20	5	16	1.34
560	24	5	16	1.44
561	30	5	16	1.72
650	5	6	16	.68
651	6	6	16	.72
652	7	6	16	.80
653	8	6	16	.84
654	9	6	16	.94
655	10	6	16	1.00
656	12	6	16	1.08
657	15	6	16	1.16
658	18	6	16	1.36
659	20	6	16	1.44
660	24	6	16	1.56
661	30	6	16	1.92
662	36	6	16	2.24

For further description and illustration of each cabinet, write for factory catalogue.

X *Slotted for steel divisions.*

★ENTIRE PAGE FOR FACTORY SHIPMENT ONLY, KANSAS CITY, MO.

AMERICAN REVOLVING BOLT AND SCREW CASES.

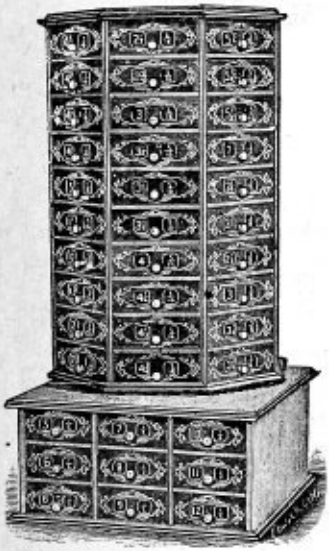
These cares are made of the best Tennessee poplar, cherry finish, or oak in natural, orange or antique finish, double top and bottom, with the grain of the wood crossed, glued and screwed together strong enough to bear three times the weight that can be put into them, iron standards screwed firmly into the iron hub in the bottom, making them perfectly true and solid. Front drawers are of the best Norway pine, all provided with stops to prevent removal from case, each drawer labeled.

The perfect locking device for these cases is so arranged that all the drawers can be locked and unlocked at one time, a lever being attached to the case on the under side, and is only accessible to the person behind the counter. By pressing this lever down it unlocks the drawers and engages in a catch which holds it in this position until it is desired to again lock the drawer, when by a slight touch the lever is disengaged thus locking the drawers.

When the cases are to be used for fine tools or other valuable articles, we provide lock and key, so that only the person having the key has access to the drawers.

When ordering please state style of case wanted, poplar or oak, with or without label holders, also whether locking device is wanted with or without key.

BOLT CASES.



Mounted on Base 30 In. Wide, 15 In. High, Containing Eighteen Drawers.

No. 100—American, poplar, 98 drawers, 60 in. high, 30 in. wide, without label holder, w't 380 lbs., each★ ..... **EDHE** $65.30

No. 0100—American, oak with label holders, otherwise same as No. 100, each★ ..... **FIEJ** $82.75

No. 200—American, poplar, 104 drawers, 65 in. high, 30 in. wide, without label holders, w't 400 lbs., each★ ..... **EIIJ** $71.30

No. 0200—American, oak, with label holders, otherwise same as No. 200, each★ ..... **GFHE** $91.50

With Locking Device.

Nos. 100 and 0100—Without keys, extra, each★ ..... **AJAJ** $12.00

Nos. 100 and 0100—With keys, extra, each★ ..... **AFDJ** $19.50

Nos. 200 and 0200—Without keys, extra, each★ ..... **AJAJ** $12.00

Nos. 200 and 0200—With keys, extra, each★ ..... **AFHJ** $20.00

The drawers in the base of these cases are not provided with the locking device without the key, but we provide each drawer with a separate lock with interchangeable key, when cases are ordered with key.

BOLT CASES.



No. 10.

No. 10—American, poplar, 72 drawers, with knobs, height 33 in., width 21 in., w't 125 lbs.★ .....each **BGGJ** $33.00

No. 11—American, with label holders, otherwise same as No. 10, each★ ..... **CAEJ** $37.50

No. 011—American, oak, with label holders, otherwise same as No. 10, each★ ..... **CFIE** $44.00

No. 12—American, poplar, 80 drawers, with knobs, height 36 in., width 21 in., w't 125 lbs.★.....each **CAEJ** $37.50

No. 13—American, with label holders, otherwise same as No. 12, each★ ..... **CDJJ** $40.50

No. 013—American, oak, with label holders, otherwise same as No. 12, each★ ..... **DJCJ** $48.00

No. 14—American, poplar, 88 drawers, with knobs, height 39 in., width 24 in., w't 130 lbs.★.....each **CECJ** $42.00

No. 15—American, with label holders, otherwise same as No. 14, each★ ..... **CGAE** $44.25

No. 015—American, oak, with label holders, otherwise same as No. 14, each★ ..... **DFBJ** $55.00

No. 16—American, poplar, 96 drawers, with knobs, height 42 in., width 24 in., w't 130 lbs.★ ..... **CHFE** $46.00

No. 17—American, with label holders, otherwise same as No. 16, each★ ..... **DAAE** $49.00

No. 017—American, oak, with label holders, otherwise same as No. 16, each★ ..... **FJJE** $71.50

Suitable for Screws, Bolts or any small articles, such as Automobile Parts, etc.

With Locking Device.

Nos. 10, 11, 12, 011 and 013—Without keys, extra★ .....each **JHDJ** $10.00

Nos. 10, 11, 12, 011 and 013—With keys, extra★ .....each **AJAJ** $12.00

Nos. 4, 15, 16, 015 and 017—Without keys, extra★ .....each **AJEJ** $12.50

Nos. 14, 15, 16, 015 and 017—With keys, extra★ .....each **AJIJ** $13.00

SCREW CASES.



No. 1.

No. 1—American, poplar, height 33 in., width 21 in., 72 drawers, with knobs, w't 130 lbs.★ .....each **BGGJ** $33.00

No. 01—American, oak, with label holders, otherwise same as No. 1, each★ ..... **CFIE** $44.00

No. 2—American, poplar, height 36 in., width 21 in., 80 drawers, with knobs, w't 130 lbs.★ .....each **CAAJ** $37.50

No. 02—American, oak, with label holders, otherwise same as No. 2, each★ ..... **DJCJ** $48.00

No. 3—American, poplar, height 39 in., width 24 in., 88 drawers, with knobs, w't 134 lbs.★ .....each **CECJ** $42.00

No. 03—American, oak, with label holders, otherwise same as No. 3, each★ ..... **DFBJ** $55.00

No. 4—American, poplar, height 42 in., width 25 in., 96 drawers, with knobs, w't 134 lbs.★ .....each **CHFE** $46.00

No. 04—American, oak, with label holders, otherwise same as No. 4, each★ ..... **FJJE** $71.50

Locking Devices.

Nos. 1, 2, 01 and 02—Without key, extra, each★ ..... **JHDJ** $10.00

Nos. 1, 2, 01 and 02—With key, extra, each★ ..... **AJAJ** $12.00

Nos. 3, 4, 03 and 04—Without key, extra, each★ ..... **AJEJ** $12.50

Nos. 3, 4, 03 and 04—With key, extra, each★ ..... **AJIJ** $13.00

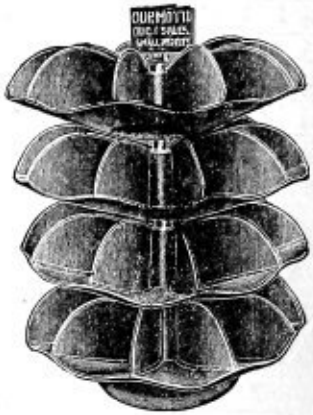
WRITE FOR FACTORY CATALOGUE SHOWING OTHER SIZES AND STYLES.
NUMBERS ON BOLT AND SCREW CASES CHANGED TO SUIT PURCHASERS, WITHOUT EXTRA CHARGE.
★FOR FACTORY SHIPMENT ONLY, DAYTON, OHIO.

ECLIPSE SECTIONAL REVOLVING NAIL BINS.

Will revolve in a circle four feet in diameter. Each section works independently, and is hung on the best steel balls. All parts where any friction might arise have been perfectly machined. The stem on which all the sections rest and revolve is molded solidly in the base, giving it the strength to withstand three times what is likely to be placed upon it. Scales, ten dollars extra.



Improved—No. 25.



No. 15.

20 Gauge Sheet Steel.

Nos.	23	24	25
Sections	3	4	5
Bins	15	20	25
Height, ft.	3	4	5
W't, lbs.	275	335	385
Each	$70.00	83.00	95.00
	DBJJ	DIHJ	EGJJ

This is a valuable addition to hardware stores. It will hold a display of several kinds of nails or other articles and can be used in any prominent place. Saves time in going after different articles and helps in sales by displaying goods. Each bin holds 140 lbs. of nails.

20 Gauge Sheet Steel.

Nos.	13	14	15
Sections	3	4	5
Bins	15	20	25
Height, ft.	3	4	5
W't, lbs.	225	275	325
Each	$60.00	70.00	80.00
	CFJJ	DBJJ	DHJJ

We recommend this design especially for strap hinges, horse shoe and kindred hardware, as it has no protections at end of partitions between bins, and hence nails are more likely to fall out and get mixed. It has been also used by a wholesale fish merchant for display of fish for sale. Each bin holds one keg of nails.

20 Gauge Sheet Steel.

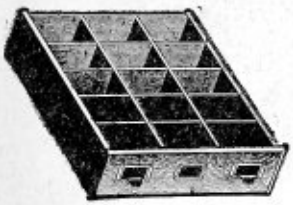
Nos.	3	4	5
Sections	3	4	5
Bins	30	40	50
Height, ft.	3	4	5
W't, lbs.	225	325	375
Each	$70.00	83.00	95.00
	DBJJ	DIHJ	EGJJ

Ten divisions to a section; the object of this bin of smaller divisions (otherwise same as Nos. 13, 14 and 15) is to provide a suitable place for brads, finishing nails, washers and small hardware, which dealers are learning to place in a handy device where easily handled.

H. S. B. & CO.'S SCREW CASES.

BRIGHT SCREWS		
JAPANNED SCREWS		
BLUED SCREWS		
BRASS SCREWS		
NICKEL PLATED SCREWS		
TIRE BOLTS		
STOVE BOLTS		
3/8	1	2 1/4
1/2	1 1/4	2 1/2
5/8	1 1/2	2 3/4
3/4	1 3/4	3
7/8	2	3 1/2

Card of Labels.



Interior of Drawers.



No. 210. 14 Drawers.

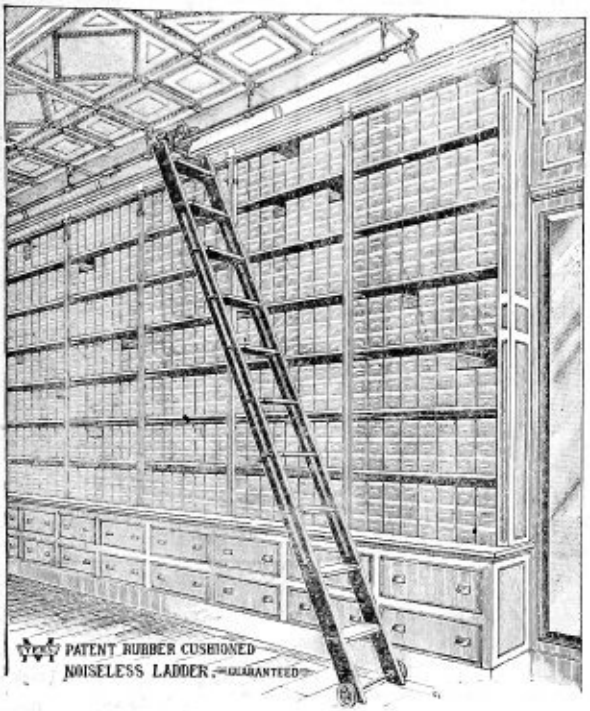
Oak Front Drawers, Cherry Stained Case, Brass Pulls and Label Holders.

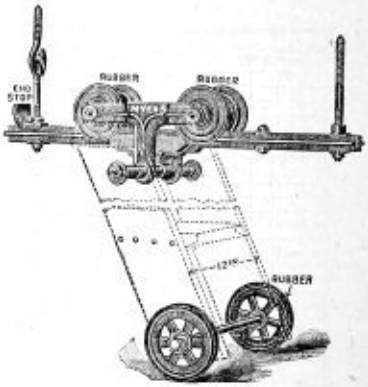
No. 150—10 drawers, 150 compartments, height 23 in., width 30 in., depth 16½ in., w't about 80 lbs. .....each **A C B J** $15.00
No. 210—14 drawers, 210 compartments, height 31½ in., width 30 in., depth 16½ in., w't about 100 lbs. ....each **A F B J** 18.00

These cases are designed especially for screws, small bolts and fittings. Each drawer is divided into fifteen compartments, size 2½x3¼x3 in., with strong wood partitions. The spaces are large enough to hold a package of any size screws. The drawers are fitted with a safety appliance to prevent accidental dropping and spilling of contents.

With each case are furnished seven cardboard sheets of labels, marked so that they can be readily cut apart and exactly fit the holders supplied to each drawer. The long strips designating the class of goods can be attached to or between the drawers as desired. By putting all screws of a length in separate rows, this will allow five numbers for each. Stove bolts can be arranged in the same manner, ⅜ and ¼ in. round and flat head being in one series of compartments. By this arrangement one large case can be used for several kinds of screws, stove and tire bolts; the balance of these goods being in full packages on the shelves.

MYERS' CUSHION TIRE STORE LADDERS.









For Shipment from Factory.

Ladder and Trolley, complete, average w't 60 lbs. .....each **ABJJ** $20.00
Track, complete with hangers, w't per ft. 2 lbs. .....per foot **AH** .30

Give height of ceiling, and we will send the ladder of proper length.

DIRECTIONS FOR FITTING.

To find the required length of store ladder for any room, subtract from the height of the room 11 in.—this being the amount of space required by hangers, track and trolley—multiply the remainder by one and one-tenth, the result will be the length of the ladder from hole at top to long point of ladder at bottom.

The track is the well known double angle steel rail, which is very neat and strong, and is suspended from ceiling by means of lag screws, either jointed or rigid or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble, and without any blocking or bridging, as is the case in many other tracks.

The ladder is constructed of the best clear Georgia pine, nicely finished, filled and varnished, has open panel sides 5 in. wide, with 5 in. steps. Each step is supported at each end with a special malleable dowel tee, which makes the strongest construction possible. The width of the ladder is 12 in.

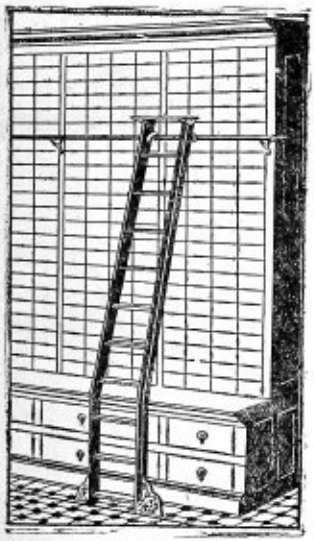
The trolley is self-adjusting and made of malleable iron fitted with turned steel bearings and 3 in. anti-rattler wheels turned and bored on lathe and fitted with special rubber tires.

The floor travelers are 5 in. in diameter, composed of metal sides with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor. With this style trolley, which is noiseless, a great objection in other ladders is overcome.

When the ladder is not the proper length for ceiling, cut off at the bottom and replace the lower traveler shaft by boring new holes at the proper point so as to have the steps of the ladder level.

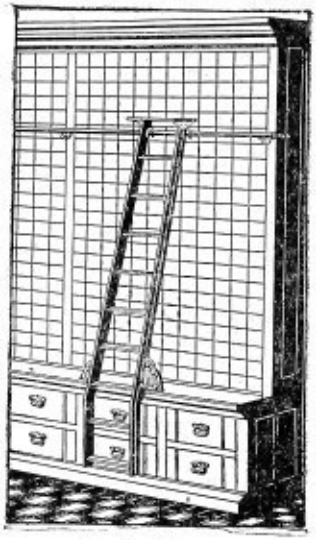
BICYCLE AND AUTO STEP LADDERS.

NEW NOISELESS TRACK.



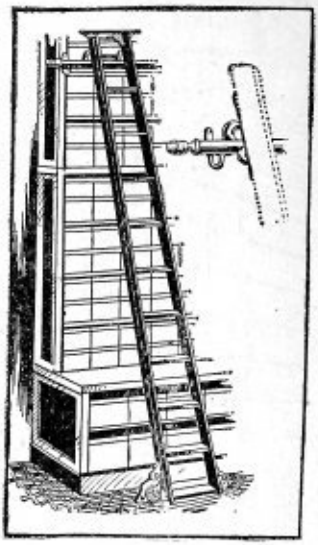
No. 100.

Bent Floor Track Bicycle Ladder. Can use track Nos. 22, 24 or 26.



No. 110.

Bent Base Shelf Bicycle Ladder. Can use track Nos. 22, 24 or 26.



No. 120.

Model Six Auto Ladder. Use Track No. 28.

Straight or Bent, Selected Hardwood, Finished in Natural Colors, Extra Wide Shelf at Top, Japanned Mountings, Track at Bottom, Either on Base Shelf or on Floor, Steel or Noiseless Rail.

		Straight.		Bent.	
No. 100—Bicycle, oak, japanned mountings, for floor track★	each	**ABJJ**	$15.00	**ACBJ**	$16.00
No. 110—Bicycle, oak, japanned mountings, for base track★	each	**ABJJ**	15.00	**ACBJ**	16.00
No. 120—Auto, oak, japanned mountings—no floor track★	each	**ABJJ**	15.00	**ACBJ**	16.00
Nickel plated mountings★	extra each	**AHJ**	2.00		

Approximate weight 40 lbs.

Any combination of track will fit any of the above ladders except No. 120 Auto. No. 22 track always sent for floor track ladders and No. 24 for base track ladders unless otherwise specified.

Ladders can be furnished in Georgia pine at $1.00 less than oak prices.

BICYCLE LADDERS have but two wheels, the track is at the bottom, either on the base shelf or on the floor, so that the entire weight of the ladder and operator is supported from below on a solid foundation and not suspended, holding operator and ladder in perfect balance and eliminating all liability of the ladder sagging the shelving.

A light turned pole guides the upper end of the ladder in moving it. Stout hooks fit over this pole to prevent the ladder from tipping backwards, but not a pound of weight rests on the pole.

Operator stands directly over the wheels, there is no side friction at all and ladder travels as easily as any other bicycle.

The noiseless rail is yielding and resilient, absorbing all vibration due to operation of ladder.

THE AUTO LADDER requires no track but runs on flat wheels.

It can be set at any angle or pushed close to the shelving when not in use. It is particularly adapted to short runs, cramped spaces or sloping, uneven floors. The adjusting feature allows guide rail to be placed opposite a shelf regardless of being parallel with the floor.

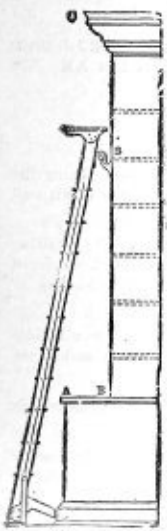


Figure 3.

Track.

No. 22—Steel bronze rail, japanned brackets, special pole★	per foot	**BE**	$0.35
No. 24—Noiseless Fibre rail, japanned brackets, special pole★	per foot	**CJ**	.45
No. 26—Noiseless or nickeled rail, nickel brackets★	per foot	**CE**	.50
No. 28—For Auto ladders japanned brackets, special pole★	per foot	**AH**	.25

Approximate weight ½ lb. per foot.

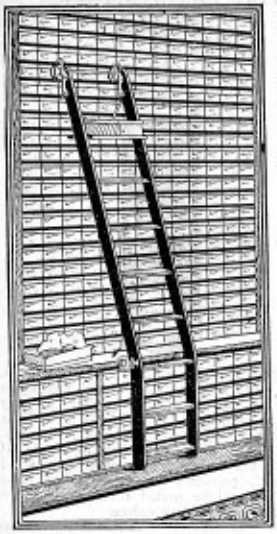
Any combination of track will fit any of the above ladders, except No. 120 Auto.

No. 22 Track is always sent for Floor Track ladders, and No. 24 for Base Track Ladders unless otherwise specified.

HOW TO ORDER BICYCLE LADDERS: Refer to Figure 3 on this page and give the following measurements: floor to C; Floor to A; A to B; and B to S. State whether ladders are to be straight or bent. State length of track wanted and the number of uprights of all kinds in the shelving, and say whether solid uprights, partition boards, turned spindles or iron brackets are used to support the shelving.

★FOR FACTORY SHIPMENT ONLY.

MILBRADT ROLLING STORE LADDERS.



Showing No. 1 bent ladder, which runs on a track fastened to shelving near the top and runs close to wide base shelf.

The Milbradt rolling step ladders are all made to order, and to fit each particular place, of good oak lumber, in the most artistic and neatest style, handsomely finished, are durable and perfectly safe, as they cannot jump the track. They take up the least possible space, run noiselessly and so easily, either empty or with operator upon them, that a slight push will propel a ladder the length of an ordinary store. These ladders have an extra wide shelf at the top, which affords great convenience in handling stock. All iron work on ladders, as well as the brackets to hold up steel track, is malleable, artistic and strong and aluminum finished.

No. 1—Has suitable fixtures at the top to run on steel track and rubber covered rollers attached near the lower end that run against the edge of base shelf. This ladder is the best for all around purposes where shelving is reasonably strong.

No. 2—Intended for shelving that is not very strongly built, as most of the weight of ladder and operator rests on the floor. This ladder runs on a hardwood track at the top and has cushion tired wheels attached at the bottom that run on the floor, no track being required.

No. 10—Is a bent ladder that runs on a flat hard wood track that is screwed on top of original low shelving. When top of shelving is reasonably strong this is very often the most convenient way to apply a ladder to this style of shelving.

No. 15—Is a trolley or ceiling ladder that suspends from a track fastened to ceiling. Ladder has attached at the top, suitable iron in which paper filled wheels run noiselessly on the steel track. It also has attached at the bottom, cushion tired wheels that run on the floor. This ladder is very strongly built and specially adapted for hardware stores or any place of business where heavy goods are handled.

No. 1—Ladder complete with fixtures★...each **ABFE** $15.00
No. 2—Ladder complete, with fixtures★...each **ABFE** 15.00
No. 10—Ladder complete, with fixtures★...each **ABFE** 15.00
No. 15—Ladder complete, with fixtures★...each **AAEJ** 14.00

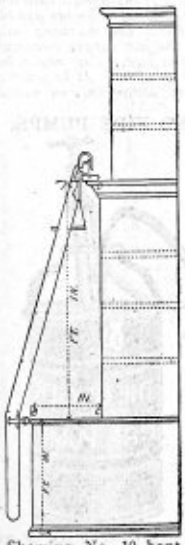
Approx. W't Ladder Crated 50 lbs.

Steel Track—For No. 1, regular strength, including brackets and screws★.....per foot **BC** $0.35
Steel Track—For No. 1, extra strong, including brackets and screws★.....per foot **BH** $0.45
Steel Track—For No. 15, including brackets and screws, per foot★.....**BB** $0.35

Approx. W't Steel Track 1 lb. Per Foot.

Hardwood Track—For No. 2, complete★....per foot **AG** $0.25
Hardwood Track—For No. 10, complete★...per foot **AB** $0.20

Approx. W't Wood Track ½ lb. Per Foot.



Showing No. 10 bent ladder, which runs on track screwed on top of original low shelving.

HOW TO ORDER.

Ladders as Nos. 1 and 2 give the exact height from floor to top of base shelf; the exact width or projection of base shelf and then the exact height from top of base shelf to top of shelf to which track is to be fastened and the track should be fastened to a shelf that is about 3 feet down from the top.

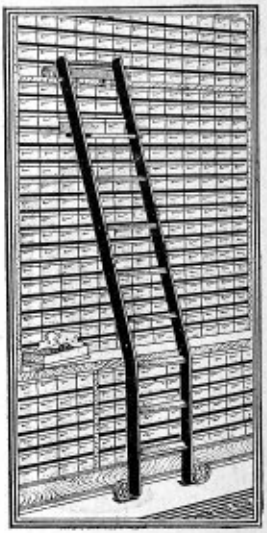
Steel track for ladders No. 1, both regular and extra strong, is 1 inch in diameter and therefore does not block up any space when fastened up opposite the edge of shelf. When ordering steel track give the total length of each line of shelving; second, give distance from center to center of uprights and state how many brackets are required to hold up the steel track. For regular steel track the brackets cannot be more than 4 ft. apart. When the uprights to which brackets are to be fastened are more than 4 ft. apart, it is necessary to use extra strong steel track.

Ladder No. 10, give the exact height from floor to top of base; the width or projection of base and then the exact height from base to the top of shelving or cornice on top of which track is to be fastened. Also state how much the cornice or moulding on top of which track is to be fastened projects out over lower part of shelving.

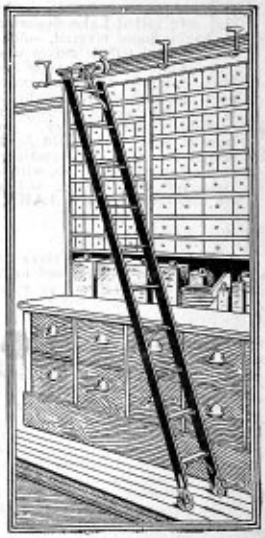
Trolley ladder No. 15, it is only necessary to give the exact height from floor to ceiling and the exact length of each line of track wanted.

To order wood track for ladders Nos. 2 and 10, it is only necessary to state the number of feet required.

FOR FURTHER INFORMATION, WRITE FOR SPECIAL ROLLING LADDER CATALOGUE.



Showing No. 2 bent ladder, which runs on floor.



Showing No. 15 trolley or ceiling ladder, which suspends from a track fastened to ceiling.

★*FOR FACTORY SHIPMENT ONLY, F. O. B. ST. LOUIS, MO.*

FIRE EXTINGUISHERS AND FIRE PUMPS.

REVNOC FIRE EXTINGUISHERS.



REVNOC—Approved, 3 gal., made of special cold rolled Lake Superior copper, all seams hand riveted, solder sweated and lead filled, entire inside lead lined, top collar and cap of best steam brass carefully fitted by expert workmen, patent removable brass bottle holder, improved goose-neck hose connection, extra heavy, chemically treated hose with solid lead nozzle, tested 350 lbs., hydrostatic pressure, packed complete in box with acid and soda for one charge, w't per doz. 276 lbs. ....per dozen **AAHHJ** $198.00

REVNOC *Fire Extinguishers are examined, approved and labeled under direction of National Board of Fire Underwriters.*

The chemical charge consists of 1½ lbs. bicarbonate of soda and 4 oz. of sulphuric acid, which can be obtained at any drug store. The soda is to be dissolved in about three gallons of water. The acid is retained in the bottle and held in the bottle holder from the top of the extinguisher. In use the extinguisher is turned bottom side up. This allows the acid to mix with the soda solution, creating a very powerful gas with a pressure sufficient to throw the chemical stream 50 feet.

This stream as a fire fighter is fifty times as effective as plain water. There is nothing to get out of order, no cocks to open or close, simply leave it alone until wanted, then turn bottom side up and the extinguisher will do the rest.

FIRE EXTINGUISHERS.



H. S. B. & Co.'s Fire Extinguishers are made very similar to the REVNOC, tested to 300 lbs. hydrostatic pressure, which is more than three times the pressure created when in use. H. S. B. & Co.'s Fire Extinguishers are carefully made, and are as serviceable as any on the market. As they do not have the underwriter's approved label, we recommend that our REVNOC Extinguisher be ordered when it is desired to obtain credit on insurance premium.

No. 10—H. S. B. & Co., 3 gal., made of special Lake Superior copper, lead lined, packed complete in box with acid and soda, w't per doz. 204 lbs., per dozen .....**AJJHJ** $144.00

No. 15—H. S. B. & Co., 5 gal. capacity, w't per doz. 324 lbs., otherwise same as No. 10...per dozen **ABIFJ** $192.00



This extinguisher contains powdered bicarbonate of soda and other chemicals, which, when thrown into the base of the fire, create a large quantity of carbonic acid gas, in which fire cannot live.

Cover has spiral agitator, which shakes up powder when cover is drawn off, so that chemicals are easily thrown out. Will instantly extinguish an oil or gasoline fire.

These extinguishers are not approved by the Underwriters' Laboratories, Inc., and are not recommended for general fire protection except when used in addition to approved 3 gallon chemical extinguishers. They are, however, unusually effective in extinguishing oil fires and are recommended for use in paint departments, garages, motor boats, etc.

No. 12—Standard, 22 in. lithographed tin tube, containing about 3 lbs. of chemicals, with strong screw hook for hanging, w't per doz. 45 lbs., per dozen .....**ADDJ** $24.00

ONE DOZEN IN A BOX.

FIRE EXTINGUISHERS.



Pyrene Liquid contains neither acid, alkali salts, no moisture, will not stain or injure anything with which it may come in contact. Will not freeze at a temperature of 50 defrees F. below zero. The device in which Pyrene is used is a double-acting pump easily operated by hand, capacity one quart, made of brass and white metal throughout.

Extinguisher.

No. 101—Brass.....each **FGJ** $7.00
No. 102—Nickel..... each **GGJ** $8.00

Liquid.

No. 103—Per quart.....**JIE** $1.00
No. 104—Per gallon.....**CHE** $4.00

When Pyrene liquid is subjected to a temperature of 200 degrees F. or over, it is immediately transformed into a heavy, dry, cohering, nonsposionous gas blanket, which surround the burning material, cutting off the air supply necessary for the life of the fire. Can easily be used by a woman or child. It is practical for home, factory, automobile or motor boat.

HAND FIRE PUMPS.



No. 25D—Geyser, capacity 5 gallons, made of No. 24 gauge galvanized iron, double action pump throws a stream 50 to 75 feet, w't per doz. 150 lbs., per dozen .....**EJDJ** $85.00

The Geyser uses plain water to which salt may be added in winter to keep from freezing.

ONE IN A CRATE.





SADDLERY

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





BUCKLES.

WROUGHT ROLLER.



No. 40—Japanned—				
Sizes, in.	¾			⅞
W't per gro., lbs.	3			4
Per gross	$1.06			1.40
	JFA			JHA
Sizes, in.	1			1¼
W't per gro., lbs.	5			7
Per gross	$1.70			2.30
	JIH			ACB
Sizes, in.	1½		1¾	2
W't per gro., lbs.	10		11	15
Per gross	$2.76		3.40	4.50
	AEH		AIF	BEI

¾ IN., TWO GROSS; ⅞ AND 1 IN., ONE GROSS; 1¼ AND 1½ IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

BARREL ROLLER.



No. 50—Japanned—				
Sizes, in.	½	⅝	¾	⅞
W't per gro., lbs.	2	3	4	5
Per gross	$1.06	1.20	1.40	1.70
	JFA	JFI	JGA	JIH
Sizes, in.	1	1⅛	1¼	1½
W't per gro., lbs.	6	7	8½	11
Per gross	$1.95	2.10	2.70	3.20
	AAB	ABJ	AEE	AHD
Sizes, in.			1¾	2
W't per gro., lbs.			15	18
Per gross			$4.20	4.96
			BDB	BHE

No. 55—XC Plate, Barrel Roller—				
Sizes, in.	½		¾	⅞
W't per gro., lbs.	2		4	5
Per gross	$1.20		1.70	1.96
	JFE		JIJ	AAJ
Size, in.	1	1¼	1½	2
W't, gro., lbs.	6	8	11	18
Per gross	$2.20	3.20	4.20	5.80
	ABG	AHD	BDB	CEJ

½ IN., TWO GROSS; ¾, ⅞ AND 1 IN., ONE GROSS; 1¼ AND 1½ IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.



No. 60—Japanned, Barrel Roller, Heavy Pattern—				
Sizes, in.	¾	⅞	1	1⅛
W't per gro., lbs.	5	5½	8	8½
Per gross	$1.70	1.96	2.40	3.00
	JIH	AAB	ACH	AGB
Sizes, in.	1¼	1½	1¾	2
W't per gro., lbs.	11	15	16	22
Per gross	$3.40	4.30	5.30	5.90
	AIE	BDG	BIE	CCI

¾ AND ⅞ IN., ONE GROSS; 1¼, 1½ AND 1¾ IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

STRAIGHT HEEL.



No. 30 — Imitation Rubber, Oroide Tongue—			
Sizes, in.	½	⅝	¾
W't per gro., lbs.	2	3	4
Per gross	$1.44	1.80	2.10
	JHC	AJD	ABJ
Sizes, in.		⅞	1
W't per gro., lbs.		5½	7
Per gross		$2.70	3.90
		AEE	BBC

No. 32—Nickel on Composition, Straight Heel—			
Sizes, in.	½	⅝	¾
W't per gro., lbs.	2	3	4
Per gross	$2.00	2.70	3.60
	AAE	AEE	BJG
Sizes, in.		⅞	1
W't per gro., lbs.		5½	7
Per gross		$5.00	6.30
		BHG	CFB

No. 34—Solid Brass Wire, Straight Heel—				
Sizes, in.	½	⅝	¾	
W't per gro., lbs.	2	3	4	
Per gross	$2.20	2.90	4.00	
	ABG	AFF	BCJ	
Sizes, in.		⅞	1	
W't per gro., lbs.		5½	7	
Per gross		$5.50	7.00	
		CAF	DJC	

½, ⅝, ¾ AND ⅞ IN., ONE GROSS, 1 IN., ONE-HALF GROSS IN A BOX.

LOOP ROLLER.



No. 150 Japanned Loop Roller.				
Sizes, in.	½	⅝	¾	⅞
W't, gro., lbs.	3	3½	5	7
Per gross	$1.44	1.60	2.50	2.70
	JHC	JIB	ADD	AEE
Sizes, in.	1	1⅛	1¼	1½
W't, gro., lbs.	8½	10	12½	17
Per gross	$3.10	3.90	4.70	6.00
	AGH	BBD	BGJ	CDE

No. 152 XC Plate Loop Roller.				
Sizes, in.	½	⅝	¾	⅞
W't, gro., lbs.	3	3½	5	7
Per gross	$1.70	1.98	2.70	3.00
	JIH	AAD	AEE	AHC
Sizes, in.	1	1⅛	1¼	1½
W't, gro., lbs.	8½	10	12½	17
Per gross	$3.80	4.60	5.50	7.00
	BAH	BGE	CAE	DAC

½, ⅝ AND ¾ IN., ONE GROSS; ⅞, 1 AND 1¼ IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

REPAIR.



No. 17—Japanned, Imitation Roller—				
Sizes, in.	⅜	1	1¼	1½
W't per gro., lbs.	6	8	10	16
Per gross	$4.30	4.60	6.80	7.50
	CAJ	CCJ	DIJ	ECJ

Convenient for replacing buckles. Saves cutting straps and restitching.

ONE-QUARTER GROSS IN A BOX.

WARNER'S UNION LOOP.



No. 160 Japanned Malleable Iron.			
Sizes, in.	⅞	1	1¼
W't per gro., lbs.	8½	10	15
Per gross	$4.30	4.95	6.80
	BDG	BHE	CIA

⅞ AND 1 IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

CONWAY'S LOOP.



No. 212 XC Plate Malleable Iron.				
Sizes, in.	⅝	¾	⅞	1
W't, gro., lbs.	2½	3½	4½	5½
Per gross	$2.00	2.50	2.90	3.50
	AAE	ADD	AFG	BJA

ONE-HALF GROSS IN A BOX.

SKATE.



No. 190 Japanned Malleable Iron.				
Sizes, in.	½	⅝	¾	
W't per gro., lbs.	1½	2¼	3	
Per gross	$1.06	1.30	1.50	
	JFA	JGE	JHF	
Sizes, in.		⅞	1	
W't per gross, lbs.		4	4½	
Per gross		$1.90	2.20	
		AAC	ABG	

No. 192 XC Plate Malleable Iron.			
Sizes, in.	½	⅝	¾
W't per gro., lbs.	1½	2¼	3
Per gross	$1.20	1.50	1.80
	JFI	JHG	AJD

ONE GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

BUCKLES.

BAG STRAP OR TOOL BAG



No. 204 Nickeled Malleable Iron.

Sizes, in.	⅜	½	⅝
W't per gro., lbs.	¾	1	1½
Per gross	$1.12	1.12	1.30
	JFD	JFD	JGE

Sizes, in.	¾	⅞	1
W't per gro., lbs.	2½	3	3½
Per gross	$1.70	2.00	2.40
	JIH	AAE	ACH

ONE GROSS IN A BOX.

No. 206 Electro Brass Malleable Iron.

Sizes, in.	⅜	½	⅝
W't per gro., lbs.	¾	1	1½
Per gross	$1.30	1.30	1.44
	JGE	JGE	JHC

ONE GROSS IN A BOX.

TRACE.



No. 400—Japanned, Barrel Roller—

Size, in.	1¼	1½
W't per gro., lbs.	27	30
Per gross	$6.96	8.00
	CII	DFJ

ALL TRACE BUCKLES ONE-TWELFTH GROSS IN A BOX.

CINCHA BUCKLES.



No. 195—Tackaberry's, XC plate, for 2 in. latigo, 1½ in. girth catch, w't per gro. 30 lbs., per gross BJAE $33.60

ONE-TWELFTH GROSS IN A BOX.

MOORE'S PATENT HAME TUG BUCKLES.



XC Plate.

No. 179—Size, in.	1⅛	1⅛
W't per gro., lbs.	69	72
Per single gross	$30.00	35.70
	AHJJ	BADJ

ONE-HALF DOZEN PAIRS IN A BOX.

CHAMPION TRACE BUCKLE FRAMES.



No. 682—XC Plate, Three Loop—

Sizes, in.	1¼	1½
W't per gro., lbs.	24	27
Per gross	$7.70	9.00
	DGJ	FJJ



No. 692—XC Plate, No Loop—

Sizes, in.	1¼	1½
W't per gro, lbs.	18	24
Per gross	$7.20	9.00
	DHJ	FJJ

ONE-TWELFTH GROSS IN A BOX.

CHAMPION TRACE BUCKLE BAILS.



No. 672—XC Plate, to Screw—

Sizes, in.	1¼	1½
W't per gro., lbs.	18	24
Per gross	$7.60	8.64
	DCG	EJG

ONE-TWELFTH GROSS IN A BOX.

TRACE.



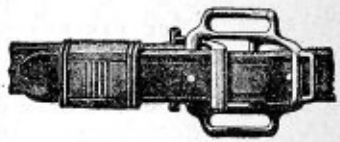
No. 651—Japanned, Champion, No Loop—

Sizes, in.	1¼	1½
W't per gro., lbs.	33	39
Per gross	$8.90	10.30
	ECE	JFGJ

No. 653—XC Plate, Champion, No Loop—

Sizes, in.	1¼	1½
W't per gro., lbs.	33	39
Per gross	$10.30	12.60
	JEIB	JGBE

ONE-TWELFTH GROSS IN A BOX.



No. 600—Japanned, Champion, Three Loop—

Sizes, in.	1⅜
W't per gro., lbs.	51
Per gross	$12.00
	JFIC

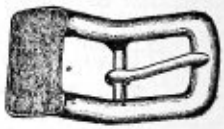
No. 602—XC Plate, Champion, Three Loop—

Sizes, in.	1¼	1½	1¾
W't, gro., lbs.	42	51	54
Per gross	$12.00	14.00	15.90
	JGBJ	JHDJ	JIEE

This buckle is made extra heavy to meet the requirements of western trade.

ONE-TWELFTH GROSS IN A BOX.

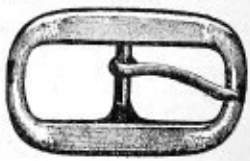
EXPRESS SHAFT TUG.



No. 812 Solid Brass, Boston Pattern.

Sizes, in.	1¼	1½
W't per gro., lbs.	60	72
Per gross	$54.00	72.00
	CBDJ	DCBJ

ONE-TWELFTH GROSS IN A BOX.



No. 822 Solid Brass, Swedge Pattern.

Sizes, in.	1¼	1½
W't per gro., lbs.	60	72
Per gross	$54.00	72.00
	CBDJ	DCBJ

ONE-TWELFTH GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

SNAPS.

HARNESS.



[illegible], XC Plate, Lever Spring.

Nos.	43	44	46
Eye, in.	¾	⅞	1
W't per gro., lbs.	12	13	14
Per gross	$5.40	5.40	5.40
	CBE	CBE	CBE

Nos.	47	47½	49
Eye, in.	1¼	1¼	1½
W't per gro., lbs.	15	16	24
Per gross	$7.40	8.60	9.50
	DDE	EAE	EGJ

NOS. 43 TO 47, ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.



[illegible]

Flat Spring, XC Plate, Aluminized Steel Rust Proof Guarded Spring.

Nos.	115	125	150
Eye, in.	⅝	¾	⅞
W't per gro., lbs.	9	11	13
Per gross	$4.50	4.50	4.50
	BEJ	BEJ	BEJ

Nos.	250	275	350
Eye, in.	1	1⅛	1⅛
W't per gro., lbs.	13	14	23
Per gross	$4.50	6.40	7.70
	BEJ	CEJ	DBE

Nos.	450	550	650
Eye, in	1½	1¼	2
W't, gro., lbs.	25	29	31
Per gross	$8.50	9.40	13.20
	DGJ	EAE	JGBE

NOS. 115 TO 275, ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

[illegible]

Flat Spring, Imitation Rubber Gilded Steel Spring.

Nos.	1125	1150	1250	1275
Eye, in.	¾	⅜	1	1⅛
W't per gro., lbs.	11	13	13	14
Per gross	$4.50	4.50	4.50	6.40
	BEJ	BEJ	BEJ	CEJ

Nos.	1350	1450	1550
Eye, in.	1¼	1½	1¾
W't per gro., lbs.	23	25	29
Per gross	$7.70	8.50	9.40
	DBE	DGJ	EAE

NOS. 1125 TO 1275, ONE-HALF GROSS;

HARNESS.



Cruso, Japanned, Brass Plated Spring.

Nos.	401	402	403	404
Eye, in.	¾	⅞	1	1⅛
W't, gro., lbs.	7	9	9½	13
Per gross	$3.00	3.00	3.00	3.40
	AHJ	AHJ	AHJ	BJE

Nos.	405	406	408
Eye, in.	1¼	1½	2
W't per gro., lbs.	20	23	32
Per gross	$5.26	6.80	10.00
	CAE	DAE	JFJJ

The "King" is constructed on safest principles, the spring being guarded and securely riveted behind the guard with double rivet.

¾ TO 1¼ IN., ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.



IMPERIAL, Imitation Rubber.

Nos.	718	719	722
Eye, in.	1	1⅛	1¼
W't, gro., lbs.	18	20	21
Per gross	7.50	8.50	8.70
	DEJ	EAJ	EBJ

Nos.	723	724	726
Eye, in.	1¼	1½	1¾
W't, gro., lbs.	32	42	46
Per gross	$11.30	11.30	13.10
	JFHJ	JFHJ	JGHJ

No. 723 is extra heavy.

NOS. 717 AND 718, ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.



GERMAN, Bronzed, Heavy Pattern Aluminum Spring.

Nos.	30	31	32
Eye, in.	⅝	¾	⅞
W't per gro., lbs.	7½	8	10½
Per gross	$3.25	3.25	3.25
	AIE	AIE	AIE

Nos.	33	34	35
Eye, in.	1	1⅛	1¼
W't per gro., lbs.	11	12	18
Per gross	$3.25	3.65	5.70
	AIE	BBJ	CDJ

Nos.	36	37	38
Eye, in.	1½	1¾	2
W't per gro., lbs.	24	37	44
Per gross	$7.40	9.46	11.80
	DDE	EGJ	JGAJ

NOS. 30 TO 34, ONE-HALF GROSS, BALANCE, ONE-QUARTER GROSS IN A BOX.
BALANCE, ONE-QUARTER GROSS IN A BOX.

HARNESS.



COVERT'S PATENT, Bolt, XC Plate.

Nos.	500	501	502
Eye, in.	⅝	¾	⅞
W't per gro., lbs.	9	10	12½
Per gross	$4.90	4.90	4.90
	BIE	BIE	BIE

Nos.	503	504	505
Eye, in.	1	1⅛	1¼
W't per gro., lbs.	12¾	14	22
Per gross	$4.90	6.80	8.00
	BIE	DAJ	DHJ

Nos.	506	507	508
Eye, in.	1½	1¾	2
W't per gro., lbs.	24	25½	27½
Per gross	$9.00	9.80	11.00
	EDJ	EIJ	JFFJ

NOS. 500 TO 504, ONE-HALF GROSS; BALANCE, ONE-THIRD GROSS IN A BOX.

COVERT'S Patent Bolt, Imitation Rubber Finish, with Electro Brass Bolt.

Nos.	601	602	603
Eye, in.	¾	⅞	1
W't per gro., lbs.	10	12¼	12¾
Per gross	$4.90	4.90	4.90
	BIE	BIE	BIE

Nos.	604	605	606
Eye, in.	1⅛	1¼	1½
W't per gro., lbs.	14	22	24
Per gross	$6.80	8.00	9.00
	DAJ	DHJ	EIJ

NOS 601 TO 604, ONE-HALF GROSS; BALANCE, ONE-QUARTER GROSS IN A BOX.

BIT.



DERBY.

No. 421—XC plate, rust proof spring, w't per gro. 10 lbs., per gross ..... BEJ $4.50

ONE GROSS IN A BOX.



TRIGGER, Imitation Rubber, Oroide Tongue.

No. 590—⅞ in., w't per gro. 12 lbs., per gross ..... DIE $9.00

No. 595—1 in., w't per gro. 12 lbs., per gross ..... DIE $9.00

ONE-HALF GROSS IN A BOX.



HUBBARD, XC Plate.

Nos.	616	617
Eye, in.	¾	⅞
W't per gro., lbs.	8	8¼
Per gross	$9.00	9.00
	DIE	DIE

ONE-HALF GROSS IN A BOX.

SNAPS.

ROUND EYE SWIVEL.



REVERDIC

XC Plate, Rust Proof Spring.

No. 85 REVERDIC—⅜ in., swivel eye, w't per gro. 12 lbs., per gross **DDE** $8.10

No. 90 REVERDIC—¾ in., swivel eye, w't per gro. 15 lbs., per gross **EBE** $9.50

ONE-QUARTER GROSS IN A BOX.



YANKEE, XC Plate.

No. 555—⅝ in., round eye, swivel, w't per gro. 14 lbs., per gross **DDE** $8.10

No. 556—¾ in., round eye, swivel, w't per gro. 17 lbs., per gross **EJJ** $9.10

No. 557—⅞ in., round eye, swivel, w't per gro. 19 lbs., per gro. **JEEJ** $10.00

No. 558—1 in., round eye, swivel, w't per gro. 22 lbs., per gro. **JHFJ** $15.60

ONE-HALF GROSS IN A BOX.



XC Plate.

No. 50—⅝ in., swivel, w't per gro. 16 lbs. .....per gross **DIJ** $8.90

No. 40—¾ in., swivel, w't per gro. 18 lbs. .....per gross **JEEE** $10.10

No. 9—⅞ in., swivel, w't per gro. 20 lbs. .....per gross **JFHJ** $12.40

No. 10—1 in., swivel, w't per gro. 36 lbs. .....per gross **AJFE** $19.40

ONE-HALF GROSS IN A BOX.

DOUBLE.



XC Plate.

No. 510—Light, length over all 3 in., w't per gro. 11 lbs., per gross .....**JEEE** $10.10

No. 511—Medium, length over all 3¾ in., w't per gro. 19 lbs., per gross .....**JFGJ** $12.20

No. 512—Heavy, length over all 4⅝ in., w't per gro. 26 lbs., per gross .....**JHCE** $15.20

ONE-HALF GROSS IN A BOX.



YANKEE, XC Plate.

No. 855—Heavy, 5¼ in. long, w't per gross 56 lbs...per gross **JGBE** $21.90

ONE-TWELFTH GROSS IN A BOX.

BAG.



XC Plate.

No. 419—½ in., w't per gro. 2½ lbs., per gross .....**ABE** $2.30

No. 420—⅝ in., w't per gro. 3 lbs., per gross .....**ABE** $2.30

Nickel Plated.

No. 451—½ in., w't per gro. 2½ lbs., per gross .....**AEE** $2.80

No. 452—⅝ in., w't per gro. 3 lbs., per gross .....**AFE** $3.00

ONE GROSS IN A BOX.



Swivel, Nickel Plated.

No. 618—½ in., w't per gro. 4 lbs., per gross .....**BHJ** $5.10

No. 619—⅝ in., w't per gro. 4 lbs., per gross .....**BHJ** $5.10

No. 620—¾ in., w't per gro. 4 lbs., per gross .....**BHJ** $5.10

ONE GROSS IN A BOX.



Swivel, Nickel Plated, Round Eye.

No. 624—⅜ in., w't per gro. 3½ lbs., per gross .....**BDJ** $4.40

No. 626—¾ in., w't per gro. 3 lbs., per gross .....**BDJ** $4.40

ONE GROSS IN A BOX.

ROUND EYE.



KING, Japanned.

No. 0400—⅝ in., w't per gro. 12 lbs., per gross .....**BDJ** $4.32

No. 0401—¾ in., w't per gro. 13 lbs., per gross .....**BIE** $5.40

ONE-HALF GROSS IN A BOX.



REVERDIC

Flat Spring.

No. 050 REVERDIC—¾ in. round eye, XC plate, rust proof spring, w't per gro. 12 lbs. .....per gross **BGJ** $4.90

ONE-HALF GROSS IN A BOX.



COVERT'S, Patent Bolt.

No. 516—¾ in. round eye, w't per gro. 12 lbs. .....per gross **CBE** $5.90

ONE-HALF GROSS IN A BOX.

ROUND EYE.



YANKEE, XC Plate.

No. 430—⅝ in., round eye, w't per gro. 11 lbs. .....per gross **CAJ** $5.60

No. 431—¾ in., round eye, w't per gro. 14 lbs. .....per gross **CFE** $6.60

ONE-HALF GROSS IN A BOX.

OPEN EYE.



XC Plate.

No. 520—Bit, w't per gro. 12 lbs., per gross .....**CBE** $5.90

No. 521—Chain, w't per gro. 15 lbs., per gross .....**CHE** $7.00

No. 522—Trace, w't per gro. 24 lbs., per gross .....**EHE** $10.60

NOS. 520 AND 521, ONE-HALF GROSS; NO. 522, ONE-QUARTER GROSS IN A BOX.



XC Plate, Solid Barrel.

No. 48—Trace, w't per gro. 27 lbs., per gross .....**JGBE** $13.20

No. 5X—Giant, w't per gro. 60 lbs., per gross .....**AHEE** $33.70

NO. 48, ONE-THIRD GROSS; NO. 5X, ONE-SIXTH GROSS IN A BOX.

BOLT SNAPS.



Sandow XC Plate.

No. 545—½ in., round head, open eye, 3¾ in. length over all, w't per gro. 24 lbs. .....per gross **JGBJ** $12.00

No. 548—⅞ in. round hinged open eye, 4¼ in. length over all, w't per gro. 40 lbs. .....per gross **AABJ** $18.70

The hinged feature of the eye makes these snaps interchangeable. A decided advantage for use in connection with work where an Open Round Eye Snap is required.

ONE-QUARTER GROSS IN A BOX.

HEAVY SWIVEL TRACE SNAPS.



XC Plate.

Nos.	24	25	26
Size, in.	1½	1¾	2
W't, gro., lbs.	84	90	96
Per gross	$36.00	39.00	42.00
	AIHJ	BADE	BCAJ

ONE-TWELFTH GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

SNAPS, SLIDES AND ROPE FASTENERS.

BREAST STRAP ROLLER.



XC Plate.

Nos.	92	93	94
Eye, in.	1½	1¾	2
W't, gro., lbs.	84	90	96
Per gross	$24.00	26.40	28.32
	ACBJ	ADEJ	AEFJ

Imitation Rubber, Tongue.	Electro	Brass
Nos.	092	093
Eye, in.	1½	1¾
W't per gro., lbs.	84	90
Per gross	$24.00	26.40
	ACBJ	ADEJ

ONE-TWELFTH GROSS IN A BOX.

CHAIN ROLLER SNAPS.



No. 104—Bristol, XC plate, w't per gro. 108 lbs. .....per gross **BDGE** $45.00

ONE-TWELFTH GROSS IN A BOX.

COMBINATION LOOP.



WARNER, XC Plate.

Nos.	97	98
Eye, in.	1½	1¼
W't per gro., lbs.	96	102
Per gross	$41.30	45.00
	BBGJ	BDGE

ONE-HALF DOZEN IN A BOX.

MARTINGALE OR CHOKE STRAP SNAPS.



YANKEE, with Screw and Roller.

No. 845—1½ in., XC plate, w't per gro. 40¾ lbs. .....per gross **JGDE** $13.50

No. 849—1¾ in., XC plate, w't per gro. 42¾ lbs. .....per gross **JIAJ** $16.50

ONE-SIXTH GROSS IN A BOX.

CHAIN SLIDE SNAPS.



YANKEE, XC Plate.

No. 850—Heavy, w't per gro. 102 lbs., per gross .....**AIHJ** $60.00

ONE-TWELFTH GROSS IN A BOX.

BUCKLE SNAPS.



No. 62—1½ in., XC plate, w't per gro. 72 lbs. .....per gross **JICJ** $16.90

ONE-TWELFTH GROSS IN A BOX.

ROPE THIMBLES.



No. 64—Tinned, for ⅝ in. rope, w't per gro. 15 lbs. .....per gross **DBJ** $7.60
No. 65—Tinned, for ¾ in. rope, w't per gro. 24 lbs. ...per gross **JEIE** $10.80

ONE-HALF GROSS IN A BOX.

SNAPS AND THIMBLES.



No. 280—Covert's, tinned, ⅝ in. snap, ⅝ in. thimble, w't per gro. 25 lbs., per gross .....**JFCJ** $11.50
No. 282—Covert's, tinned, ¾ in. snap, ⅝ in. thimble, w't per gro. 30 lbs., per gross .....**JGEE** $13.70

ONE-QUARTER GROSS IN A BOX.

ROPE FASTENERS.



Malleable Iron, Japanned.

For Rope, in.	½	⅝	¾
W't per gro., lbs.	18	22	27
Per gross	$4.50	6.50	8.00
	BEJ	CFJ	DDJ

ONE-QUARTER GROSS IN A BOX.

BREAST STRAP SLIDES AND SNAPS.



Combination XC Plate.
No. 1310—Size 1½ in., w't per gro. 90 lbs., per gross .....**AFEJ** $30.00

ONE-TWELFTH GROSS IN A BOX.

BREAST STRAP SLIDES.



Gray Iron.
No. 50—1½ in., japanned, w't per gro. 42 lbs. .....per gross **CIE** $7.20

Malleable Iron.
No. 54—1¼ in., japanned, w't per gro. 30 lbs. .....per gross **DGJ** $8.50
No. 55—1½ in., japanned, w't per gro. 36 lbs. .....per gross **DGJ** $8.50
No. 56—1¾ in., japanned, w't per gro. 45 lbs. .....per gross **EDJ** $9.80

ONE-TWELFTH GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR THE BREAKING OF BOXES.

RINGS.

BREECHING.



4 3 2 1 0

Showing wire gauge of breeching rings.

REV-O-NOC

Japanned Steel.

Nos.	1140H	1160H	1200H	1220H
Diam., in.	1½	1¾	2	2¼
Wire gauge.	3	3	2	2
W't per gro., lbs.	10½	12	16	17½
Per gross	$1.86	2.10	2.50	2.70
	AJJ	AAE	ACE	AEJ

Nos.	1240H	1260H	1300H
Diam., in.	2½	2¾	3
Wire gauge	2	1	1
W't per gro., lbs.	18½	24	25
Per gross	$2.90	3.30	4.00
	AFJ	AHJ	BBJ

NOS. 1140H TO 1200H, ONE-HALF GROSS; BALANCE, ONE-THIRD GROSS IN A BOX.

Japanned Malleable.

Nos.	312H	314H	316H
Diam., in.	1¼	1½	1¾
Wire gauge	4	2	2
W't per gro., lbs.	7	12	14
Per gross	$1.60	2.70	3.00
	JIJ	AEJ	AFE

Nos.	320H	321H	323H
Diam., in.	2	2	2¼
Wire gauge	1	0	0
W't per gro., lbs.	20	26	30
Per gross	$4.30	5.50	6.40
	BCE	CJJ	CEJ

No. 324-H—Diam. 2½ in., 0 wire gauge, w't per gro. 33 lbs., per gross ..... CHE $7.00

The size given is the inside diameter.

NOS. 312H TO 316H, ONE-HALF GROSS; 320H AND 321H, ONE-THIRD GROSS; 323H AND 324H, ONE-QUARTER GROSS IN A BOX.

Solid Brass.

Nos.	912H	914H
Diam., in.	1¼	1½
Wire gauge	3	2
W't, gro., lbs.	8	12
Per gross	$11.40	14.60
	JFCJ	JHJE

Nos.	916-H	920-H
Diam., in.	1¾	2
Wire gauge	2	2
W't per gro., lbs.	14	16
Per gross	$18.60	21.10
	AJBE	AAFJ

NOS. 912H TO 914H, ONE-HALF GROSS; NO. 916H, ONE-THIRD GROSS; NOS. 920H ONE-QUARTER GROSS IN A BOX.

HARNESS.



Japanned Malleable.

Nos.	24H	24½H	26H	27H
Diam., in.	½	⅝	¾	⅞
W't, gro., lbs.	1	1¼	2¼	3
Per gross	$0.70	.70	.74	.86
	CH	CH	DJ	DG

Nos.	28H	31H	32H
Diameter, in.	1	1½	1¼
W't per gro., lbs.	3½	4½	5
Per gross	$1.10	1.20	1.44
	JFJ	JFE	JGG

NOS. 24H TO 26H, TWO GROSS; BALANCE, ONE GROSS IN A BOX.

MARTINGALE.



White Duranoid.

Nos.	0H	1H	2H
Diameter, in.	1¼	1½	1⅝
W't per gro., lbs.	4	8	9
Per gross	$3.60	4.00	4.40
	BDE	BGJ	CJJ

Nos.	3H	5H
Diameter, in.	1¾	2
W't per gro., lbs.	11½	18
Per gross	$4.80	7.00
	CBE	DHJ

Red Duranoid.

Nos.	10-H	11-H	13-H	15-H
Diam., in.	1¼	1½	1¾	2
Per gross	$3.60	4.00	4.80	7.00
	BDE	BGJ	CBE	DHJ

Blue Duranoid.

Nos.	20-H	21-H	23-H	25-H
Diam., in.	1¼	1½	1¾	2
Per gross	$3.60	4.00	4.80	7.00
	BDE	BGJ	CBE	DHJ

ONE-QUARTER GROSS IN A BOX.

MARTINGALE.



Combination Red, White and Blue.

No. 195H—2 in., w't per gro. 9 lbs., per gross ..... DDE $8.10

ONE-QUARTER GROSS IN A BOX.



White Zylonite.

Nos.	119H	120H	121H
Diameter, in.	1⅛	1¼	1⅜
W't, gro., lbs.	3	3	4½
Per gross	$10.70	13.30	16.00
	JEIJ	JGCJ	JHHJ

Nos.	122H	123H	124H
Diameter, in.	1½	1⅝	1¾
W't, gro., lbs.	6	6	7½
Per gross	$18.70	21.90	24.00
	AJCJ	ABJE	ACBJ

Nos.	125H	126H
Diameter, in.	2	2¼
W't per gro., lbs.	9	12
Per gross	$26.70	30.40
	ADGJ	AFGJ

ONE-SIXTH GROSS IN A BOX.

REV-O-NOC

White.

Nos.	219H	220H	221H
Diameter, in.	1⅛	1¼	1⅜
W't, gro., lbs.	3	3	4½
Per gross	$10.70	13.30	16.00
	JEIJ	JGCJ	JHHJ

Nos.	222H	223H	224H
Diameter, in.	1½	1⅝	1¾
W't, gro., lbs.	6	6	7½
Per gross	$18.70	21.90	24.00
	AJCJ	ABJE	ACBJ

Nos.	225H	226H
Diameter, in.	2	2¼
W't per gro., lbs.	9	12
Per gross	$26.70	30.40
	ADGJ	AFGJ

ONE-SIXTH GROSS IN A BOX.

HONDA OR LARIAT.



No. 358H—2¼ in., egg shape, XC plate, for lariat rope...per gross ECJ $9.60

No. 1358H—2¼ in., egg shape, polished brass, for lariat rope, per gross ..... ACBJ $20.00

The size given is the outside diameter.

ONE-QUARTER GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

HAMES.

MINERS' HOOK.



No. 82—66—Painted black, Pennsylvania pattern, heavy hook and breast ring, lantern hook on one side, loose ring on other, heavy chain and attachment, sizes 17, 18, 19 and 20 in., w't per doz. prs. 125 lbs., per dozen pairs .....**AGIJ** $32.50

HOOK STAGE.



No. 70—227—Mexican, pressed steel, hollow, two loop, hook and breast ring, with stationary bottom hame chain, sizes 18 to 19½ in., w't per doz. prs. 66 lbs. ..per dozen pairs **JFFJ** $12.00

THREE DOZEN PAIRS IN A CASE.



No. 100—100—Farmers' strap, painted red, bronzed top, japanned trimmed, wrought steel staple and breast ring with hand forged double weight steel hook, loose bottom loop, sizes 17 to 22 in., collar, w't per doz. prs. 50 lbs., per dozen pairs★ .....**JEGJ** $10.20

FIVE DOZEN PAIRS IN A CASE.

HIGH TOP HOOK STAGE.



No. 10H—2—Horse size, varnished steel over top, two loop, hook and breast ring, sizes 18¼ to 20 in., w't per doz. prs. 45 lbs., per doz. prs. **CIJ** $5.50

No. 10M—2—Mule size, 17 to 18¾ in., w't per doz. prs. 38 lbs., otherwise same as No. 10H, per dozen pairs .....**BIJ** $5.30

IN BUNDLES.



No. 12—1—Varnished steel over top, three loop, hook and breast ring, sizes 18 to 21 in., w't per doz. prs. 50 lbs., per dozen pairs .....**DAJ** $5.80

IN BUNDLES.



No. 50—166—Painted red, XC ball top, hook and breast ring, sizes 18 to 22 in., w't per doz. prs. 54 lbs., per dozen pairs .....**DGE** $8.60



No. 75—61—Concord, Damascus finish, polished backs, heavy hook on side with breast ring, for 17 to 21 in. collars, w't per doz. prs. 75 lbs., per dozen pairs .....**JGIE** $13.70



No. 77—61—Concord, Damascus finish, polished backs, heavy hook on back with breast ring, for 17 to 21 in. collars, w't per doz. prs. 75 lbs., per dozen pairs .....**JGEE** $13.70

FIVE DOZEN PAIRS IN A CASE.

HIGH TOP CLIP STAGE.



No. 226—450A—Painted black, steel over top, combination loop, clip and breast ring, sizes 19 to 22 in., w't per doz. prs. 48 lbs., per doz. prs. **JFCE** $11.50

No. 228—460A—Painted black, XC long spot and trimmings, steel over top, combination loop, clip and breast ring, sizes 19 to 22 in., w't per doz. prs. 48 lbs., per doz. prs. **JFIJ** $12.50



No. 250—166—Painted red, XC ball top, clip and breast ring, sizes 18½ to 22 in., w't per doz. prs. 52 lbs., per dozen pairs .....**EAE** $9.40



No. 270—91—Painted red, steel bound XC ball top and trimmings, combination loop, clip and breast ring, for 19 to 22 in. collars, w't per doz. prs. 70 lbs. ..per dozen pairs **JIGJ** $17.60

No. 271—91—Brass ball and trimmings, otherwise same as No. 270, per dozen pairs .....**AGJE** $31.00

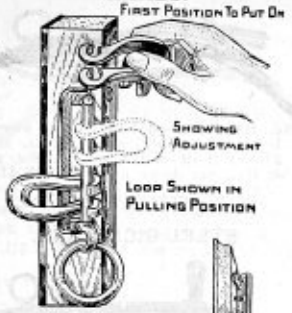
FIVE DOZEN PAIRS IN A CASE.

FACTORY NUMBERS GIVEN BETWEEN DASHES. THE WEIGHTS GIVEN ARE APPROXIMATELY CORRECT.

★FOR FACTORR SHIPMENT ONLY, F. O. B. BUFFALO, N. Y.

HAMES.

REVONOC ADJUSTABLE DRAFT HAMES.



Showing Construction of Draft Plate.



For Chain or Clip Traces.

No. 1 REVONOC—Damascus, steel over top, adjustable draft breast ring, double stud line ring, for 18 to 21 in. collars, w't per doz. prs. 64 lbs., per dozen pairs .....**JEEJ** $10.00

No. 3 REVONOC—Painted black, red top, otherwise same as No. 1 REVONOC, per dozen pairs .....**JEHJ** $10.50



No. 166 REVONOC—Painted black, red top, XC ball, adjustable draft breast ring, double stud line, for 18½ to 22 in. collars, w't per doz. prs. 66 lbs., per dozen pairs .....**JGAE** $13.00



No. 61 REVONOC—Concord, Damascus finish, adjustable draft breast ring, double stud line ring, for 18 to 21 in. collars, w't per doz. prs. 85 lbs., per dozen pairs .....**JHBE** $15.00



No. 15 REVONOC—Painted red, brass globe ball, adjustable draft breast ring, double stud line ring, for 18½ to 22 in. collars, w't per doz. prs. 67 lbs., per dozen pairs .....**AJHJ** $16.30

The peculiar construction of draft plate insures durability and prevents hook dropping out. Note extended plate acting as a guard for hook. No wear on the collar. A decided advantage.

FIVE DOZEN PAIRS IN A CASE.

"LONE STAR."



Two Horse, for Double Harness. Answers for Both Chain and Clip Traces.

No. 701—1—Varnished steel over top, adjustable draft, breast ring, sizes 18 to 21 in., w't per doz. prs. 58 lbs., per dozen pairs .....**JEHJ** $10.50

No. 705—3—Painted red, w't per doz. prs. 58 lbs., otherwise same as No. 701, per dozen pairs .....**JFJE** $11.00



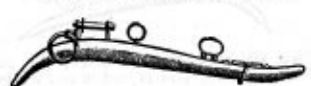
No. 766—166—Painted red, XC ball top, adjustable draft, breast ring, sizes 18½ to 22 in., w't per doz. prs. 62 lbs., per dozen pairs .....**JGGJ** $14.00



No. 761—61—Concord, Damascus finish, adjustable draft, breast ring, for 18 to 21 in. collars, w't per doz. prs. 79 lbs., per dozen pairs .....**JHHJ** $16.00

FIVE DOZEN PAIRS IN A CASE.

HIGH TOP BOLT, TWO HORSE, FOR DOUBLE HARNESS.



No. 232—460A—Painted black, steel over top, XC long spot and trimmings, combination loop bolt, breast ring and extra back strap ring, sizes 19 to 22 in., w't per doz. prs. 52 lbs., per dozen pairs .....**JHHJ** $14.40

FIVE DOZEN PAIRS IN A CASE.



Concord, Damascus Finish, Bolt, Link and Ring and Extra Back Strap Ring.

No. 5B—5—2 in. bolts for 17 to 20 in. collars, w't per doz. prs. 71 lbs., per dozen pairs .....**JIBE** $16.80

No. 6B—6—2¼ in. bolts for 18 to 21 in. collars, w't per doz. prs. 73 lbs., per dozen pairs .....**JIFJ** $17.40

No. 8B—8—2¼ in. bolts, for 18½ to 22 in. collars, w't per doz. prs. 76 lbs., per doz. prs. .....**AJAJ** $18.40

No. 10B—10—2½ in. bolts, for 19 to 22½ in. collars, w't per doz. prs. 87 lbs. ..per dozen pairs **ABBJ** $22.20

No. 12B—12—2¾ in. bolts, for 21 to 24½ in. collars, w't per doz. prs. 111 lbs., per dozen pairs **ADHE** $27.00

5B TO 8B, FIVE DOZEN PAIRS; BALANCE, THREE DOZEN PAIRS IN A CASE.

HIGH TOP BOLT, TWO HORSE, FOR DOUBLE HARNESS.



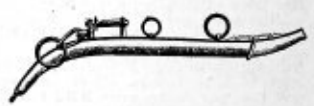
Painted Red, Concord, Bolt, Link and Ring and Extra Back Strap Rings.

No. 6BR—6—2¼ in. bolts, for 18 to 21 in. collars, w't per doz. prs. 73 lbs., per dozen pairs .....**AJFE** $19.40

No. 8BR—8—2¼ in. bolts, for 18½ to 22 in. collars, w't per doz. prs. 76 lbs., per dozen pairs .....**AAJJ** $20.00

No. 10BR—10—2½ in. bolts, for 19 to 22½ in. collars, w't per doz. prs. 87 lbs. ..per dozen pairs **ACBJ** $24.00

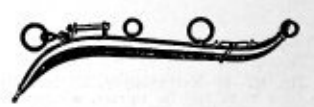
NOS. 6BR AND 8BR, FIVE DOZEN PAIRS; BALANCE, THREE DOZEN PAIRS IN A CASE.



Concord, Damascus Finish, Bolt Combination Loop, Link and Ring and Extra Back Strap Rings.

No. 5BCL—5—2 in. bolts, for 17 to 20 in. collars, w't per doz. prs. 76 lbs., per dozen pairs .....**JIIJ** $18.00

No. 6BCL—6—2¼ in. bolts, for 18½ to 22 in. collars, w't per doz. prs. 80 lbs., per dozen pairs .....**AJCE** $18.80



No. 272—91—Painted red, steel bound, XC ball top and trimmings, combination loop, bolt, link and ring and extra back strap rings, for 19 to 22 in. collars, w't per doz. prs. 73 lbs., per dozen pairs .....**AJDE** $19.00

No. 273—91—Brass ball and trimmings, otherwise same as No. 272, per dozen pairs .....**AHAE** $33.00

No. 277—91—Hames, brass, Chicago bolt only, w't per doz. prs. 87 lbs., otherwise same as No. 275, per dozen pairs .....**AFIJ** $30.70

FIVE DOZEN PAIRS IN A CASE.

FACTORY NUMBERS GIVEN BETWEEN DASHES. THE WEIGHTS GIVEN ARE APPROXIMATELY CORRECT.

HAMES.

HIGH TOP BOLT, TWO HORSE, FOR DOUBLE HARNESS.



No. 285—155—Painted red, brass Dandy ball and trimmings, combination loop, bolt, breast ring and extra back strap ring, sizes 20 to 23 in., w't per doz. prs. 71 lbs., per doz. prs. **AIHJ** $36.00

FIVE DOZEN PAIRS IN A CASE.



Painted Red, Dandy Concord, Brass Ball and Trimmings, Bolt, Link and Ring and Extra Back Strap Rings.

No. 310—6—2¼ in. bolts, for 18 to 21 in. collars, w't per doz. prs. 90 lbs., per dozen pairs .....**BACJ** $38.70

No. 312—8—Heavy, 2¼ in. bolts, for 18½ to 22 in. collars, w't per doz. prs. 94 lbs., per dozen pairs **BBJJ** $40.00

Painted Red, Dandy Concord, Brass Long Spot Ball and Trimmings, Bolt, Link and Ring and Extra Back Strap Rings.

No. 314—6—2¼ in. bolts, for 18 to 21 in. collars, w't per doz. prs. 90 lbs., per dozen pairs .....**BDGJ** $44.90

No. 317—10—Extra heavy, 2½ in. bolts, for 19 to 22½ in. collars, w't per doz. prs. 108 lbs., per dozen pairs .....**BGFE** $50.30

Dandy and Favorite Hames can be furnished with mortise or combination loop.

HIGH TOP BOLT, TWO HORSE, FOR DOUBLE HARNESS.



No. 610—600—Knickerbocker, painted red, brass long spot and trimmings, 2¾ in. bolt, link and ring and extra back strap rings, for 22 to 24 in. collars, w't per doz. prs. 108 lbs., per dozen pairs .....**CGHJ** $63.00



No. 600—610—Extra heavy, painted black, 2¾ in. bolt, 2¾ in. brass ball top, long neck and trimmings, link and ring, and extra back strap rings, for 22 to 24 in. collars, w't per doz. prs. 120 lbs., per doz. prs. **DJIJ** $74.40

TWO DOZEN PAIRS IN A CASE.

LOW TOP CLIP STAGE, TWO HORSE, FOR DOUBLE HARNESS.



No. 120—156A—Painted black, clip and breast ring, size 19 and 20 in., w't per doz. prs. 40 lbs., per dozen pairs .....**JFJE** $11.00

No. 126—175A—Painted black, XC long spot, clip and breast ring, sizes 18 and 22 in., w't per doz. prs. 40 lbs., per dozen pairs .....**JFJE** $11.00

FIVE DOZEN PAIRS IN A CASE.

HIGH TOP CLIP EXPRESS, ONE HORSE, FOR SINGLE HARNESS.



No. 576—6—Painted red, Dandy Concord, brass long spot ball and trimmings, clip express, for 18 to 21 in. collars, w't per doz. prs. 84 lbs., per dozen pairs .....**BJEJ** $45.60

THREE DOZEN PAIRS IN A CASE.

LOW TOP, ALL STEEL TUBULAR.



No. 112—Japanned body, brass swedge loose terret only, clip express, sizes 20 and 21 in. collar, w't per doz. prs. 48 lbs...per dozen pairs **AJEE** $19.20

THREE DOZEN PAIRS IN A CASE.

STEEL GIG HAMES.



No. 800—Full japanned, band terrets, sizes 17 to 22 in., w't per doz. prs. 42 lbs.....per dozen pairs **CFE** $6.60

No. 802—Full XC band terrets, sizes 17 to 20 in., w't per doz. prs. 42 lbs., per dozen pairs .....**DHJ** $7.50

No. 819—Imitation rubber London draft eye, oroide lined band terrets, sizes 18 to 20 in., w't per doz. prs. 42 lbs., per dozen pairs .....**JGEE** $13.70



No. 818—Full japanned body, japanned London draft eye, plain band nickel on iron terrets, sizes 17 to 20 in., w't per doz. prs. 42 lbs., per dozen pairs .....**EDE** $9.50



No. 824—Japanned body, nickel finger draft eye, composition nickel wire terrets, sizes 17 to 20 in., w't per doz. prs. 42 lbs., per doz. prs. **JHDJ** $15.30



No. 828—Japanned body, nickel Bell draft eye with nickel on composition swedge terrets, sizes 18 to 20 in., w't per doz. prs. 42 lbs., per dozen pairs .....**JHDJ** $15.30

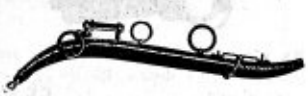
No. 829—Japanned body, brass Bell draft eye with solid brass swedge terrets, sizes 18 to 20 in., w't per doz prs. 42 lbs., per doz. prs. **JHDJ** $15.30

LOOSE.

Factory numbers given between dashes. The weights given are approximately correct.

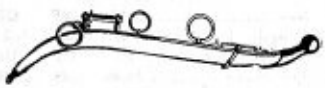
STEEL HAMES AND REPAIR TERRETS.

CONCORD PATTERN.



High Top Bolt, Two Horse, for Double Harness.

No. 5680—568—Concord, all black enamel finish, bolt, swivel and ring, extra back strap rings, made in one size only, suitable for 18 to 22 in. collar, bolt for 2½ in. trace, w't per doz. 91 lbs. ..per dozen pairs **ABEJ** $20.80



Dandy Concord, Red Enamel Body, Black Enamel Back, Bolt, Swivel and Ring, Extra Back Strap Ring.

No. 5681—568—Brass dandy ball only, made in one size only, suitable for 18 to 22 in. collar, bolt for 2¼ in. trace, w't per doz. 105 lbs., per dozen pairs .....**BJFJ** $34.30

No. 5682—568—Nickel dandy ball only, otherwise same as No. 5681, per dozen pairs .....**BABJ** $35.30

No. 5683—568—Brass dandy ball and trimmings, otherwise same as No. 5681, per dozen pairs .....**BBCF** $38.80

No. 5684—568—Brass dandy ball and brass long spot, otherwise same as No. 5681, per dozen pairs **BGBJ** $45.30

TWO DOZEN PAIRS IN A CASE.

TUBULAR.



No. 500—510—Japanned body, brass trimmed clip and breast ring, 1¼ in. riveted ball, two stud Buffalo line ring, combination loop, loose bottom loop, for 20 to 23 in. collars, w't per doz. prs. 72 lbs. ..per dozen pairs **AGAE** $31.20



No. 505—510—Japanned body, brass trimmed bolt and breast ring, 1¾ in., riveted ball, two stud Buffalo line ring, combination loop, loose bottom loop, for 20 to 23 in. collars, w't per doz. prs. 78 lbs....per dozen pairs **AHEJ** $33.60



No. 510—510—Japanned body, bolt and breast ring, extra back strap ring, 2¼ in. brass Chicago ball only, two stud Buffalo line ring, combination loop, loose bottom loop, for 20 to 23 in. collars, w't per doz. prs. 85 lbs., per dozen pairs ..... **BJAE** $33.40



No. 515—510—Japanned body, brass long spot, 2¼ in. Chicago ball, bolt and breast ring, extra back strap ring, two stud Buffalo line ring, combination loop, loose bottom loop, for 20 to 23 in. collars, w't per doz. prs. 85 lbs., per dozen pairs ..... **CJIE** $49.20

TWO DOZEN PAIRS IN A CASE.

REPAIR TERRETS.



Malleable Iron, Plain Wire, for 3½ Lb. Iron Hames, to Rivet.

		Per Dozen.
No. 40—Japanned	**EJ**	$0.90
No. 41—XC plate	**EJ**	.90

ONE DOZEN IN A BOX.

USHCO ALL STEEL HAMES.



No. 915—920—Enameled black finish, 2 in. brass ball only, clip, hold back plate, back strap rings, for 18 to 22 in. collars, w't per doz. prs. 85 lbs., per dozen pairs .....**AEBJ** $26.40



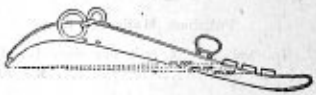
No. 920—920—Enameled black finish, 2 in. brass ball only, bolt with swivel and ring and back strap ring, 2¼ in. draft, w't per doz. prs. 90 lbs., per dozen pairs .....**AFEE** $28.80



No. 925—910—Enameled black finish, 2 in. brass ball and trimmings, bolt with swivel and ring and back strap ring, 2¼ in. draft for 18 to 22 in. collars, w't per doz. prs. 90 lbs., per dozen pairs .....**BJGJ** $36.00

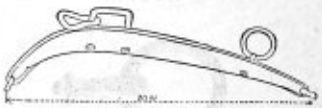
TWO DOZEN PAIRS IN A CASE.

MEASUREMENTS.



High Top.

As will be seen by the accompanying sketch, the size of our high top hames is found by measuring according to the dotted lines, viz. From the lowest point of the top loops to the tip of the bottom loop.



Low Top.

Measured according to dotted line.

There is a growing demand for steel hames, and the above line represents the very newest patterns, carefully selected to meet requirements of every section. Note they are made in a certain size so that the same hame will serve for all three Nos. 5, 6 and 8 old style wood Concord hames. This feature enables you to reduce your stock and investment while increasing your total volume of business.

FACTORY NUMBERS GIVEN BETWEEN DASHES. THE WEIGHTS ARE APPROXIMATELY CORRECT.

MISCELLANEOUS HAME TRIMMINGS.

HAME LINE RINGS AND STUDS.



Common.

No. 500—Polished, malleable iron 1⅞ in. ring, w't per dozen 1½ lbs., per dozen.....CJ $0.50

TWO DOZEN IN A BOX.



Concord.

No. 520—Polished, malleable iron, 2 in. ring, w't per doz. 2¼ lbs., per dozen.....DJ $0.66

No. 525—Solid brass, 2 in. ring, w't per doz. 2½ lbs.....per dozen AFJ $2.70

TWO DOZEN IN A BOX.

BACK STRAP RINGS AND STUDS.



Polished, Malleable Iron.

No. 550—1¼ in., w't per doz. 1¼ lbs., per dozen.....BJ $0.34

No. 560—1½ in., w't per doz. 1½ lbs., per dozen.....BJ $0.34

FOUR DOZEN IN A BOX.

HAME BREAST RINGS AND STUDS.



No. 570—Polished, malleable iron, 2 in. ring, w't per doz. 3½ lbs., per dozen.....DJ $0.66

TWO DOZEN IN A BOX.

CONCORD LINKS AND RINGS.



No. 590—Polished, wrought steel, 2 in. ring, w't per doz. 3¼ lbs., per dozen.....EE $0.96

ONE DOZEN IN A BOX.

HOLD BACK PLATES AND RINGS.



Malleable Iron Plate, Wrought Steel Ring, 1⅞ in. Ring.

No. 580—Polished, w't per doz. prs. 6½ lbs. ....per dozen pairs ACJ $2.20

No. 584—XC plate, w't per doz. prs. 6½ lbs. ....per dozen pairs AFJ $2.70

ONE DOZEN PAIRS IN A BOX.

COMBINATION HAME LOOPS.



No. 614—XC plate, malleable iron, w't per doz. 1¼ lbs...per dozen BE $0.40

TWO DOZEN IN A BOX.

HAME RATCHETS.



No. 604—XC plate, malleable iron, w't per doz. 1½ lbs...per dozen BE $0.40

TWO DOZEN IN A BOX.

REPAIR BOTTOM LOOPS.



No. 622—Common, to screw, japanned, malleable iron, for 1 in strap, w't per doz. 1 lb. .....per dozen CB $0.54



No. 630—Concord, 1¼ in., polished malleable iron, w't per doz. 1½ lbs., per dozen.....DE $0.74

THREE DOZEN IN A BOX.

REPAIR CLIPS AND LOOPS.



No. 642—Japanned, malleabl loop, steel clip, w't per dozen, 1½ lbs., per dozen.....CE $0.60

THREE DOZEN IN A BOX.

HAME BOLT ROLLERS.



For Concord Hames, Polished, Plain.

Nos.	8P	10P	12P
Length	2¼	2¾	3
W't per doz., lbs.	1¼	1½	1¾
Per dozen	$0.48	.48	.48
	CJ	CJ	CJ

For Concord Hames, Polished Steel, Flanged.

Nos.	8F	10F	12F
Length, in.	2½	2¾	3
W't per doz.	1¼	1½	1¾
Per dozen	$0.48	.48	.48
	CJ	CJ	CJ

TWO DOZEN IN A BOX.

HAME BOLTS.



For Concord Hames, Polished Steel.

Nos.	8	10	12
Length, in.	3½	3¾	4
W't per dozen, lbs.	2	2⅛	2¼
Per dozen	$0.74	.74	.74
	DE	DE	DE

TWO DOZEN IN A BOX.

HAME STARTS.



For Concord, Hames.

No. 997—Polished, forged steel, ⅜ in. bolt, 3½ in. shank, one eye threaded for bolt, w't per doz, prs. 3½ lbs., per dozen pairs.....AAJ $1.80

ONE DOZEN PAIRS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

HAME BALLS, HAME FASTENERS AND CHAINS.

HAME BALLS.



Globe Ball, Solid Brass.

Nos.	18	19
Diam. shank, in.	1	1⅛
W't per doz., lbs.	4½	5
Per single dozen	$3.00	3.70
	BIJ	CFJ



Dandy Ball, Solid Brass.

Nos.	58	59
Diam. shank, in.	1	1⅛
W't per doz., lbs.	6½	8
Per single dozen	$6.40	6.80
	DGJ	EDJ

Dandy Ball, Nickel Composition.

Nos.	68	69
Diam. shank, in.	1	1⅛
W't per doz., lbs.	6½	8
Per single dozen	$6.80	7.20
	EJE	EGE

ONE-THIRD DOZEN IN A BOX.



No. 79—Favorite Ball, solid brass, diam. shank 1⅛ in., ball 2¼ in., w't per doz. 10 lbs., per single dozen **JHAJ** $12.00

Especially adapted for use on heavy dray and team harness.

ONE-HALF DOZEN IN A BOX.

HEEL CHAINS.



No. 55—18 in. long, 8 links, 9-32 in. wire, bright, straight, high grade, open hearth steel link, with malleable iron swivel and clip, w't per doz. prs. 26 lbs. ....per dozen pairs **AIJ** $5.30



No. 50—33 in. long, 10 links, ⅛ in. wire, bright, straight, high grade, open hearth, steel link, with malleable iron swivel, w't per doz. prs. 44 lbs., per dozen pairs .....**CBJ** $6.20



Bright, Straight, High Grade, Open Hearth, Steel Links.

Nos.	10	11	12
Length, in.	11	15½	20
Number of links	4	6	8
Size of wire, in.	3/16	3/16	3/16
W't, doz. prs., lbs.	15	21	27
Per dozen pairs	$2.20	3.20	4.30
	AJJ	ACJ	AIJ

Nos.	15	16
Length, in.	11	15½
Number of links	4	6
Size of wire, in.	3/16	3/16
W't per doz. prs., lbs.	21	30
Per dozen pairs	$3.00	4.30
	ACJ	AIJ



Bright, Straight, High Grade, Open Hearth, Steel Link, with Bolt and Roller Dee.

Nos.	65	66	67
Length, in.	18	18	18
Number of links	6	6	6
Size of wire, in.	1/4	1/4	3/16
Size of dee, in.	1½	1¾	2
W't, doz. prs., lbs.	18	20	21
Per dozen pairs	$5.20	5.20	5.20
	BDJ	BDJ	BDJ

HEEL CHAINS.



Bright, Straight, High Grade, Open Hearth, Steel Links, with Malleable Iron Roller Dee.

Nos.	25	26	31
Length, in.	18	18	13
No. of links	6	6	4
Size of wire, in.	1/4	3/16	3/16
Size of dee, in.	1½	1¾	1¼
W't, doz. prs., lbs.	24	32	30
Per dozen pairs	$4.30	4.30	4.80
	AIJ	AIJ	BAJ

Nos.	32	37
Length, in.	13	18
No. of links	4	6
Size of wire, in.	3/16	3/16
Size of dee, in.	2	2
W't per doz., lbs.	32	42
Per dozen pairs	$4.80	5.50
	BAJ	BEJ



Bright, Straight, High Grade, Open Hearth, Steel Link, with Malleable Iron, Screw Swivel Dee.

Nos.	40	41	42
Length, in.	18	18	18
Number of links	6	6	6
Size of wire, in.	1/4	1/4	3/16
Size of dee, in.	1½	1¾	2
W't, doz. prs., lbs.	28	30	33
Per dozen pairs	$5.30	5.30	5.30
	BDJ	BDJ	BDJ

Nos.	47	48	49
Length, in.	23	23	23
Number of links	8	8	8
Size of wire, in.	1/4	3/16	3/16
Size of dee, in.	1½	1¾	2
W't, doz. prs., lbs.	34	36	37
Per dozen pairs	$6.40	6.40	6.40
	BIE	BIE	BIE

DETACHABLE HEEL CHAINS.

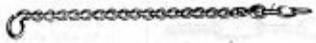


No. 57—Handy, 16 in. long, 4 high grade, open hearth, steel links, ⅛ in. wire, bright, straight link with malleable iron snap, w't per doz. prs. 24 lbs., per dozen pairs .....**BAJ** $4.00



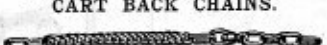
No. 404—Barton, 17¼ in. long, 4 links, 7/16 in. wire, bright, straight, high grade, open hearth, steel link, with malleable iron snap, w't per doz. prs. 30 lbs. ....per dozen pairs **CAJ** $4.70

LUMBER HEEL CHAINS.



No. 99—36 in. long, 5/16 in. No. 0 wire twist link, 9 links per foot, with grab hook, w't per doz. prs. 65 lbs., per dozen pairs .....**EAJ** $8.50

CART BACK CHAINS.



No. 81—Bright, double link, with swivel, 4½ ft. long, ¼ in. wire, w't per doz. 51 lbs., per single dozen .....**JGHJ** $13.00

HAME FASTENERS.



No. 5 — Success, bronzed, Norway iron, steel twist link, w't per doz. 10 lbs., per dozen....**BGE** $4.60

Stronger and more easily adjusted than any leather hame straps. Easily put on, cannot become detached from hame, or get out of working order.

ONE DOZEN IN A BOX.

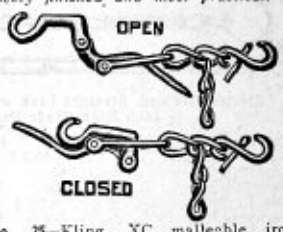


No. 15 — Dodson's, electro galvanized, steel, flat link, w't per doz. 7 lbs., per dozen..**BDJ** $4.00



No. 30—Holdfast, XC malleable iron, twisted link, w't per doz. 15 lbs., per dozen .....**BDJ** $4.00

Note the snap, easy to operate, simple and secure. Pin cannot be lost. Nicely finished and most practical.



No. 25—Kling, XC malleable iron, twisted link, w't per doz. 30 lbs., per dozen .....**BDJ** $4.00

These fasteners are strong, durable and can be quickly adjusted. The purchase power is three to one, making it easy to pull hames very tight.



No. 35—GGG nickel plated, malleable iron steel stampings, 4 links, w't per doz. 16 lbs.....per dozen **CCE** $5.60

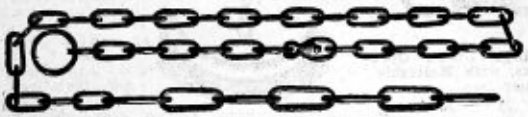
Represents highest type fastener, strong, durable, neat in appearance and can be quickly adjusted.

The purchase power is 3 to 1 which makes it possible to pull hames absolutely tight.

ONE DOZEN IN A BOX.

CHAINS.

TRACE.



Straight Link, with Ring and Swivel.

No.	Western Standard Sizes	Length Feet	Links to Feet	Diam. Iron in.	W't, Pair, Lbs.		Per Pair.
1	6½- 6-2	6½	5	¼	5½	CJ	$0.50
2	6½- 8-2	6½	7	¼	6	CC	.60
3	6½- 8-3	6½	7	7/32	4¾	CB	.56
4	6½-10-2	6½	9	¼	6	CH	.70
05	7 - 8-2	7	7	¼	6	CG	.68
5	7 -10-2	7	9	¼	5	DC	.78
6	7 -10-1	7	9	9/32	8	EJ	.92
7	7 -10-0	7	9	5/16	10¾	JEH	1.08

Twist Link, with Ring and Swivel.

15	7 -10-2	7	9	¼	7	DE	$0.84★
16	7 -10-1	7	9	9/32	9¼	ED	1.02★

Mexican Twist Link.

25	6½- 6-3	6½	5	7/32	4½	DJ	$0.66

ELWELTRA.



Electric Welded, Straight Link with Ring and Swivel, ¾ Inch High Grade Drawn Wire.

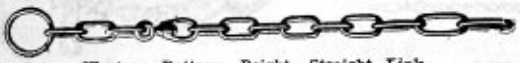
Nos.	103	104	105	106	107	108
Sizes	6½-8-2	6½-10-2	7-10-2	7½-10-2	7-10-1	7½-10-1
Length, ft.	6½	6½	7	7½	7	7½
Short Links, per ft.	8	10	10	10	10	10
End Links, per ft...	8	8	8	8	8	8
Diameter, in.	¾	¾	¼	¼	7/32	7/32
W't per pair, lbs.	6	6½	7	7	10	10¼
Per pair	$0.64	.72	.80	.92	1.02	1.20
	CH	DC	DH	EE	JFJ	JFG

These chains are made from high grade drawn steel wire. The short links are 1¼ in. long inside. There are eight links 2½ in. long. Every chain is tested to 1000 lbs. or 2000 lbs. to the pair.

The chains are guaranteed against defects in material or welds. Defective chains will be replaced or money refunded.

These traces are stronger than No. 1—9-32 or No. 0—5-16 hand welded traces, so that a dealer can cut down his stock and carry but one size, as that will fill all requirements.

HALF TRACE OR BUTT.

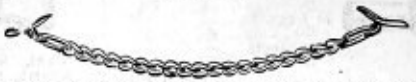


Western Pattern, Bright, Straight Link. With Ring and Malleable Swivel.

No.	Length in.	Links to Foot	Diameter in.	W't per doz. prs., Lbs.		Per dozen Pairs.
44	30	10	¼	34	CJJ	$5.00
48	30	10	9/32	40	CDJ	5.70

The number of links to the foot and size of wire gauge correspond with the same number of full length trace chains given above.

BREAST.

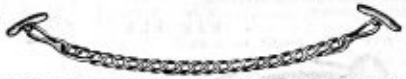


No. 1—26 in. long, bright, without slide, w't per doz. prs. 31 lbs. .....per dozen pairs **BGE** $4.60

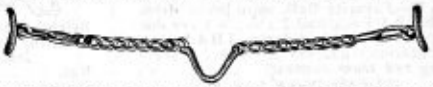


No. 3—30 in. long, bright, with covert tinned snaps, wt' per doz. prs. 32 lbs. .....per dozen pairs **DBE** $5.80

No. 70—44 in. long, 9-32 in. galvanized, extra heavy covert snaps on each end, w't per doz. prs. 66 lbs., per dozen pairs .....**JGHJ** $13.00



No. 2—26 in. long, bright, double slack without slide, w't per doz. prs. 50 lbs. .....per dozen pairs **EAJ** $8.50



No. 4—26 in. long, bright, with slide, w't per doz. prs. 44 lbs., per dozen pairs .....**CJJ** $5.00



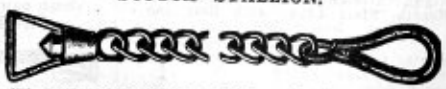
COVERT'S Pattern IXC Plate, with Slide Snaps.

Nos.	1218-H	1220-H	1217-H
Length, including center snap, in...	28	32	40
Size of wire, in.	7/32	7/32	9/32
W't per doz. prs., lbs.	54	60	72
Per dozen pairs	$17.50	19.00	24.40
	JIAJ	AJBJ	ACGE

This chain can be adjusted to any length by taking up the links and dropping one or more, as shown in cut.

ONE-SIXTH DOZEN PAIRS IN A BOX.

SCOTCH STALLION.

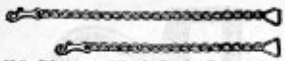


No. 275—Polished, 18 in. long, 1¼ in. swivel triangle, w't per doz. 6½ lbs. .....per dozen **DBE** $7.10

ONE DOZEN IN A BOX.

REIN CHAINS, REPAIR LINKS, HAME CLIPS AND HOOKS.

COVERT'S REIN CHAINS.

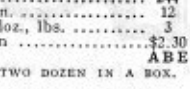


XC Plate, with 1 Inch Triangle.

Nos.	244	246
Length, in.	12	18
W't per doz., lbs.	3	3½
Per dozen	$2.30	3.20
	ABE	AGE

TWO DOZEN IN A BOX.

REPAIR LINKS.



Wrought Iron Polished.

3-16x1¼ in., for No. 3 trace chain, w't per gro. 7½ lbs., per gross **JEE** $1.30

¼x1¼ in., for No. 2 trace chain, w't per gro. 9 lbs., per gross **JFJ** $1.50

5-16x1½ in., for Nos. 1 and 0 trace chains, w't per gro. 12 lbs., per gross ..... **ABJ** $2.20

⅜x1½ in., w't per gro. 23 lbs., per gross ..... **AEE** $2.80

⅜x2½ in., w't per gro. 36 lbs., per gross ..... **AIJ** $4.30

7-16x2½ in., w't per gro. 48 lbs., per gross ..... **BDJ** $5.20

⅛ TO ⅜ IN., HALF GROSS; ⅜x1½ IN., ONE QUARTER GROSS IN A BOX; BALANCE LOOSE.



Malleable Iron, Extra Heavy.

No. 2530—Inch.	5-16	⅜	½
W't per doz., lbs.	24	36	87
Per gross	$7.20	9.60	19.20
	CIE	ECJ	AJEE

WEAR CLIPS.



No. 15—Philpott's, malleable iron, w't per gro. 3 lbs., per gross **ABE** $2.30

This little device is so shaped as to fit closely in the worn places and with arms bent around, the iron is held firmly in position

ONE-HALF GROSS IN A BOX.

HAME STAPLES.



No. 10—Japanned, ⅜ in. iron, with burrs for wood coach hames, w't per doz. 1½ lbs. .....per dozen **DJ** $0.70

⅜ Inch Iron, with Burrs, for Wood Hames.

No. 11—Polished, w't per doz. 1½ lbs., per dozen ..... **AE** $0.28

No. 13—Extra wide, polished, w't per doz. 2¼ lbs. .....per dozen **BJ** $0.36

TWO DOZEN IN A BOX.

HAME CLIPS.



Two Holes, for Wood Hames.

No. 6—⅛ in., polished, for stage hames, w't per doz. 2½ lbs., per dozen ..... **BB** $0.36

No. 5—⅜ in., japanned, for coach hames, w't per doz. 2¾ lbs., per dozen ..... **CC** $0.60

TWO DOZEN IN A BOX.



Three Holes, for Wood Stage Hames.

No. 16—⅛ in., polished, w't per doz. 3¼ lbs. .....per dozen **CC** $0.60

No. 17—⅛ in., polished, w't per doz. 5¼ lbs. .....per dozen **EJ** $0.90

TWO DOZEN IN A BOX.



Two Holes, Inside, for 3½ Lb. Iron Hames.

No. 30—Japanned...per dezen **EE** $0.96

No. 32—XC plate...per dozen **EE** .96

TWO DOZEN IN A BOX. W'T 2¼ LBS.



Straight Concord Japanned, for Bolt Hames.

Nos.	514	516	520	522
Size, in.	1½	1¾	2	2¼
W't, doz., lbs.	3¼	4	4¾	5
Per dozen	$0.90	1.10	1.30	1.60
	EJ	JFJ	JGJ	JIJ

TWO DOZEN IN A BOX.



Jointed Concord Japanned, for Bolt Hames.

Nos.	614	616	620
Size, in.	1½	1¾	2
W't per doz., lbs.	9½	10	10½
Per dozen	$1.90	2.20	2.40
	AJE	ABJ	AGJ
Nos.	622	624	
Size, in.	2¼	2½	
W't per doz., lbs.	11	12	
Per dozen	$2.60	3.20	
	ADE	AGE	

ONE-THIRD DOZEN IN A BOX.

FLEXIBLE BOLT HAME ATTACHMENTS.



Japanned, Outside Clips.

No.	720
For bolt, in.	2
W't per doz., lbs.	5½
Per dozen	$1.60
	JIJ



Japanned, Inside Clips.

No.	820
For bolt, in.	2
W't per doz., lbs.	5½
Per dozen	$1.60
	JIJ

ONE DOZEN IN A BOX

JOINTED TRACE CONNECTORS.



Japanned, for Clip Hames.

No. 524—For 1½, 1¾ or 2 in. traces, w't per doz. 9 lbs. ..per dozen **AEJ** $2.50

ONE-THIRD DOZEN IN A BOX.



CONCORD.

No. 255—4x4¼ in., single, drop forged steel, w't per doz. prs. 12 lbs., per dozen pairs ..... **ADJ** $2.50

This hook has a double wearing surface and will outwear any other hook on the market.

ONE-QUARTER DOZEN PAIRS IN A BOX.



LONE STAR.

No. 355—Japanned, w't per doz. prs. 5¼ lbs. ...per dozen pairs **AAJ** $2.00

For use on the "Lone Star" adjustable draft hames. Answers for both chain and clip traces.

ONE-HALF DOZEN PAIRS IN A BOX.



No. 665—Japanned malleable iron, for [illegible] adjustable draft hames, w't per doz. prs. 5½ lbs., per dozen pairs ..... **AJJ** $1.80

ONE-HALF DOZEN PAIRS IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

HOOKS, TOGGLES AND COCK-EYES.

All goods branded ~~CVB~~ are guaranteed to be of highest quality material and workmanship and free from imperfections.

Carry a line of goods on which you can rely.

Our reputation founded on over half a century's business stands back of the ~~CVB~~ brand.

DETACHABLE COCK-EYES.



No. 10—Hardy's, malleable iron, japanned, w't per doz. 1¼ lbs., per dozen ..... JFJ $1.05

A handy device for use on a trace with dart, or cock-eye holes.

TWO DOZEN IN A BOX.

TRIANGLAR COCK-EYES.



Malleable Iron, Japanned, with Roller.

Nos.	12	14
Size, in.	1¼	1½
W't per doz., lbs.	2	2¼
Per dozen	$0.48	.60
	CJ	CE

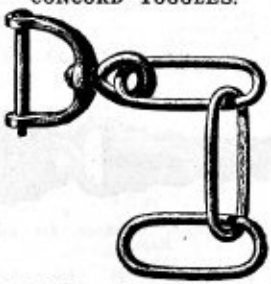
UTILITY COCK-EYES.



Malleable Iron, Japanned, Screw and Roller.

Nos.	102	104	106
Size, in.	1¼	1½	1¾
W't per doz., lbs.	2¼	2¾	3
Per dozen	$0.84	.90	1.00
	EJ	ED	JFJ

CONCORD TOGGLES.

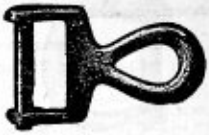


Malleable Iron, Japanned, Rivet and Roller.

Nos.	358	364	368
Size, in.	2	2½	3
Links	3	3	3
W't, doz. lbs.	13¾	14½	18
Per dozen	$2.40	2.80	3.20
	ADE	AGJ	AIJ

ONE DOZEN IN A BOX.

SCREW COCK-EYES.



Malleable Iron, Japanned, with Roller.

Nos.	52	54	56	58
Size, in.	1¼	1½	1¾	2
W't, doz., lbs.	2	2½	2¾	3
Per dozen	$0.60	.70	.80	1.00
	CE	DD	DE	JFJ

TWO DOZEN IN A BOX.

Extra Heavy Malleable Iron, Japanned, with Roller.

Nos.	62	64	66	68
Size, in.	2¼	2½	2¾	3
W't, doz., lbs.	3¾	4½	7½	7¾
Per dozen	$1.20	1.40	1.70	2.00
	JGJ	JHJ	AJJ	ABJ

TWO DOZEN IN A BOX.

SCREW COCK-EYES FOR CLIPS.



No. 74—Malleable iron, japanned, for 1½ in. trace, w't per doz. 2 lbs., per dozen ..... CJ $0.48

TWO DOZEN IN A BOX.

CLIP COCK-EYES.



Malleable Iron, Japanned.

Nos.	82	84	86
For trace, in.	1¼	1½	1¼
W't per doz., lbs.	4	4	6
Per dozen	$0.82	.82	.98
	EJ	EJ	FJ

ONE DOZEN IN A BOX.

TRACE DEES OR CONCORD CLEVISES.



Japanned, Bolt and Roller.

Nos.	224	226	228
Size, in.	1½	1¾	2
W't, doz., lbs.	3½	4	4½
Per dozen	$1.20	1.40	1.50
	JGJ	JHE	JIJ

ONE DOZEN IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

SADDLERY HARDWARE.

REPAIR SCREW DEES.



Japanned Malleable Iron.

Nos.	480	490	491
Size, in.	1¼	1½	1¾
W't per gro., lbs.	39	48	66
Per gross	$6.00	6.00	7.50
	CFJ	CFJ	DEJ

For repairing and making breeching pole straps, martingales, etc.

TWO DOZEN IN A BOX.

HARNESS AND BREECHING DEES.



Japanned Malleable Iron.

No. 325—Size, in.	1	1¼
W't per gro., lbs.	4	8
Per gross	$1.60	2.00
	JIE	ABJ

For use on breeching, martingales, etc.

1 IN., ONE GROSS; 1¼ IN., ONE-HALF GROSS IN A BOX.

Extra Heavy.

No. 326—Size, in.	1½	1¾
W't per gro., lbs.	18	26
Per gross	$4.20	5.70
	BEJ	CDJ

For use on breeching, martingales, etc.

1½ IN., ONE-HALF GROSS; 1¾ IN., ONE-QUARTER GROSS IN A BOX.

HALTER BOLTS.



Japanned.

Nos.	8	10	14
Size, in.	1	1¼	1½
W't per gro., lbs.	3	4	5¼
Per gross	$0.92	1.12	1.32
	FE	JHJ	JIJ

ONE GROSS IN A BOX.

PAD SCREWS.

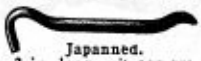


Nos. 26 & 126. Nos. 20 to 220. Nos. 29 & 129.

No. 26—Japanned, 1 in. shank, w't per gro. 5 lbs. ..... per gross **ABJ** $2.20
No. 126—XC plate, 1 in. shank, w't per gro. 5 lbs. ..... per gross **ABE** $2.30
No. 20—Imitation rubber, 1 in. shank, w't per gro. 6 lbs., per grd. **ACJ** $2.40
No. 120—Brass capped, 1 in. shank, w't per gro. 6 lbs., per gross **BEE** $4.60
No. 220—Nickel capped, 1 in. shank, w't per gro. 6 lbs., per gross **BEE** $4.60
No. 29—¼ in., brass capped, 1½ in. shank, w't per gro. 11 lbs., per gross ..... **DCE** $7.90
No. 129—¼ in. nickel capped, 1½ in. shank, w't per gro. 11 lbs., per gross ..... **DCE** $7.90

ONE GROSS IN A BOX.

TONGUES FOR RINGS.



Japanned.

No. 300—3 in. long, w't per gro. 12 lbs., per gross ..... **AJJ** $1.80
No. 350—3½ in. long, w't per gro. 13 lbs., per gross ..... **AAJ** $2.00

NOS. 250 AND 300 ONE HALF GROSS; NO. 350 ONE QUARTER GROSS IN A BOX.

ANGULAR TWIN LOOPS.



Japanned Malleable Iron.

No. 239—Size, in.	⅝	¾	⅞	1
W't per gro., lbs.	2¼	3¼	5	5¾
Per gross	$1.90	2.10	2.30	2.60
	AAE	ABE	ADJ	AEE
No. 239—Size, in.	1⅛	1¼	1½	
W't per gro., lbs.	6	7	8	
Per gross	$3.30	3.80	4.70	
	BJJ	BCJ	BHJ	

Adjustable to any thickness of strap. The loop is flexible and allows the buckle to move with the position of hame strap, or any style of reverse strap. Will not bind, and is easily riveted on by hand or machine.

⅝ TO 1 IN., ONE GROSS; BALANCE ONE-HALF GROSS IN A BOX.

HALTER LOOPS AND RINGS.



Japanned.

Nos.	28	30	34
Size loop, in.	1	1¼	1½
Size ring, in.	1½	1¾	1¾
W't per gro., lbs.	16	18	20
Per gross	$3.40	4.00	4.60
	BBJ	AGJ	CAJ

ONE-QUARTER GROSS IN A BOX.

SLIDE LOOPS.



Solid Leather, Creased Edge.

Nos.	110	112	114	116
Sizes, in.	½	⅝	¾	⅞
W't per gro., lbs.	¼	⅜	¾	1
Per gross	$0.92	1.06	1.20	1.30
	FJ	JGJ	JHE	JIJ
Nos.	118	120	122	124
Sizes, in.	1	1¼	1¼	1½
W't per gro., lbs.	1½	1¾	2	2½
Per gross	$1.60	2.00	2.40	3.20
	AJJ	ACJ	AFJ	BAJ

Indispensable to makers of harness. Can be used to advantage on all parts of a harness where a leather keeper is required.

ONE GROSS IN A BOX.



Celluloid.

Nos.	1	2	3
Color	white	white	white
Size, in.	⅝	⅞	⅞
W't per gro., lb.	¾	⅞	1
Per gross	$3.70	4.50	5.20
	AGE	BAJ	BGJ
Nos.	4	5	6
Color	red	red	red
Size, in.	⅝	¾	⅞
W't per gro., lb.	¾	⅞	1
Per gross	$3.70	4.50	5.20
	AGE	BAJ	BGJ
Nos.	7	8	9
Color	blue	blue	blue
Size, in.	⅝	¾	⅞
W't per gro., lb.	¾	⅞	1
Per gross	$3.70	4.50	5.20
	AGE	BAJ	BGJ

Especially adapted for ornamenting harness, making fancy spread straps, high grade, fancy bridles, etc.

HALTER SQUARES.



Japanned.

Nos.	18	20	24
Size, in.	1x1¼	1¼x1½	1½x1¾
W't, gro., lbs.	8	12	16
Per gross	$1.68	2.20	2.80
	ABJ	AEE	BJJ

ONE-HALF GROSS IN A BOX.

AN ADDITIONAL CHARGE OF 15 PER CENT WILL BE ADDED FOR BREAKING OF BOXES.

SADDLERY HARDWARE.

TIE MAKERS.



No. 651—Japanned steel, complete with 3 doz. sets of binding wires for ½ in. rope, w't per doz. 30 lbs., per dozen .....**JGIJ** $14.40

A very practical and inexpensive tool for making rope ties. The steel die is grooved to hold and form the wire clamps. Made to fasten in any ordinary vise, and fills a long felt want for making horse and cattle ties in a moderate way.

ONE IN A BOX.

ROPE BINDING RINGS.



No. 132—For ½ in. rope, galvanized wire, w't per gross sets 3½ lbs., per gross sets .....**JHE** $1.50

No. 134—For ⅝ in. rope, galvanized wire, w't per gross sets 6 lbs., per gross sets .....**AJJ** $1.80

No. 136—For ¾ in. rope, galvanized wire, w't per gross sets 8 lbs., per gross sets .....**AAJ** $2.00

A set consists of two wires, one for the double end and one for the single end of the rope.

ONE GROSS SETS IN A BOX.

COLORADO BRIDGES.



No. 1—Solid brass, w't per doz. 4¼ lbs., per dozen .....**AFE** $3.00

ONE DOZEN IN A BOX.

GAG SWIVELS.



No. 1374—¾ in., japanned, w't per gro. 9 lbs. .....per gross **ADJ** $2.60

No. 2374—¾ in., XC plate, w't per gro. 9 lbs. .....per gross **AEJ** $2.80



No. 1380—Japanned—		
Size, in.	⅝	¾
W't per gro., lbs.	10	12
Per gross	$4.00	4.88
	BBJ	**BFJ**

No. 2380—XC plate, per gross .....$4.50 5.20 **BDJ** **BGE**

ONE-HALF GROSS IN A BOX.

HAME TUG PLATES.



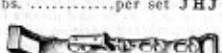
MOELLER'S Two Loop.

No. 418—1½ in., japanned, w't per set 6 lbs. .....per set **JFE** $1.20

No. 419—1¾ in., japanned, w't per set 6½ lbs. .....per set **JHJ** $1.50

No. 420—1½ in., XC plate, w't per set 6 lbs. .....per set **JFE** $1.20

No. 421—1¾ in., XC plate, w't per set 6½ lbs. .....per set **JHJ** $1.50



No Loop, XC Plate.

Nos.	424	425
Size, in.	1¼	1½
W't per set, lbs.	4½	5
Per set	$1.00	1.10
	JEE	**JFJ**

ONE SET IN A PACKAGE.

TRACE CARRIERS.



COOPER'S.
REYNOLD'S Patent.

No. 1390—Japanned, w't per doz. 2 lbs., per dozen .....**EE** $0.60

No. 2390—XC plate, w't per doz. 2 lbs., per dozen .....**EE** $0.60



KIERNAN'S.

No. 150—Japanned, 3 in. ring, w't per doz. 3½ lbs. .....per dozen **DE** $0.80

No. 152—Japanned, 3½ in. ring, w't per doz. 4 lbs. .....per dozen **JFJ** $1.10

ONE DOZEN IN A BOX.





As applied.

Imperial, Japanned.

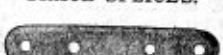
Nos.	190	191
For hip strap, in.	⅞	1
W't per doz., lbs.	1½	⅝
Per single dozen	$0.26	.26
	AD	**AD**

Imperial, XC Plate.

Nos.	290	291
For hip straps, in.	⅞	1
W't per doz., lbs.	½	⅝
Per single dozen	$0.26	.26
	AD	**AD**

TWELVE DOZEN IN A BOX.

TRACE SPLICES.



Straight, Japanned.

No. 949—Malleable iron, for team traces, w't per doz. 1½ lbs., per dozen .....**BJ** $0.36

SIX DOZEN IN A BOX.



Haglock's Jointed.

No. 950—Polished, with rivets, for 1¼ in. team traces, w't per doz. 1¼ lbs., per dozen .....**JFJ** $1.10

No. 960—Polished, with rivets, for 1½ in. team traces, w't per doz. 1½ lbs., per dozen .....**JFJ** $1.10

This is a handy device for quickly repairing a trace broken at the buckle hole.

ONE DOZEN IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

SADDLERY HARDWARE.

OVERCHECK LOOPS.



SMITH'S Roller.

No. 26—⅝ in., imitation rubber, oroide roller, w't per gro. 3½ lbs., per gross .....C C E $5.60



Wabash.

No. 48—⅝ in., japanned, w't per gro. 3 lbs.....per gross B D J $4.00

Riveted on both sides, which gives it a broad, firm base and prevents any rocking motion.

ONE GROSS IN A BOX.

OVERCHECK ENDS.



Harness Leather.

No. 1—For ⅞ in. or 1 in. overchecks, w't per doz. ½ lb., per dozen .....D J $0.70

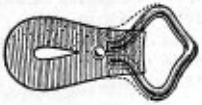
THREE DOZEN IN A BOX.

CHECK HOLDERS.



No. 40—"O. K.," ⅞ in. japanned loop, best grade leather, w't per doz. ½ lb., per dozen .....D J $0.80

THREE DOZEN IN A BOX.

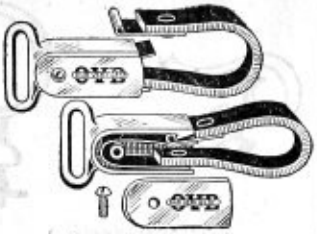


No. 45—Let Go, ⅞ in. japanned, special grade tempered steel spring, best grade leather, w't per doz. ½ lb., per dozen ..... J G E $1.50

Most simple yet most practical check-rein holding device. When a horse slips or stumbles, spring opens, saving check rein, hook and mouth. The springs are guaranteed for five years against breakage.

THREE DOZEN IN A COUNTER DISPLAY BOX.

CHECK REIN HOLDERS.





O.K.—Releasable, nickel plated, loop for ⅞ in. or 1 in. overchecks, w't per doz. 2 lbs.....per dozen B C J $3.80

Releasable Check Rein Holders will release when horse puts a breaking strain on overcheck. Prevent breaking overcheck or injuring horse's mouth in slipping, stumbling or falling. Humane as well as profitable to use.

ONE DOZEN IN A COUNTER DISPLAY BOX.

WE DO NOT BREAK BOXES.

CHECK REIN SPRING.



No. 50—Elgin, japanned, w't per doz. 1½ lbs.....per dozen A I J $3.20

Positively the most most durable check spring on the market. Prevents breaking of check reins, hooks and cutting of horse's mouth.

ONE DOZEN ON A COUNTER DISPLAY CARD.

REIN HOLDERS.



READ'S.

No. 20—Imitation rubber, w't per doz. prs. 2 lbs., per doz. prs. A H J $3.00

No. 22—Nickel plated, w't per doz. prs. 2 lbs., per dozen pairs...A H J $3.00

When attached to neck strap, accidents due to reins catching under ends of shafts avoided.

ONE DOZEN PAIRS IN A BOX.

REIN SUPPORTERS.



READ'S.

No. 1—Imitation rubber, w't per doz. prs. 2½ lbs., per doz. prs. A H J $3.00

No. 2—Nickel plated, w't per doz. prs. 2½ lbs....per dozen pairs A H J $3.00

Quickly attached to hip strap of any harness. Reins never under horse's tail or ends of hip straps. Prevents accidents simple, practical, ornamental and inexpensive.

ONE DOZEN PAIRS IN A BOX.

LINE OR SPREAD ROLLERS.



ADAM'S, XC Plate.

Nos.	10	11	12
Size, in.	1	1⅛	1¼
W't per gro., lbs.	11¾	12	12¼
Per single gross	$8.80	8.80	8.80
	E C J	E C J	E C J

ONE-QUARTER GROSS IN A BOX.

BLIND IRONS.



No. 6. No. 5.

No. 6—3½x4½ in., pressed, w't per doz. prs. 3 lbs., per dozen pairs C E $0.60

No. 5—Cupped for ¾ in. blinds, w't per doz. prs. 3 lbs., per dozen pairs.....C E $0.60

ONE DOZEN PAIRS IN A BOX.

COLLAR FASTENERS.



COOPER'S Patent.

No. 4—With bolts and washers, for team or medium draft collars, w't per doz. 5 lbs.....per dozen A E J $2.50

No. 5—With bolts and washers, for Concord, imitation case and heavy draft collars, w't per doz. 7 lbs., per dozen .....A E J $2.50

ONE DOZEN IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

SADDLERY HARDWARE.

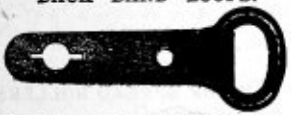
EXPRESS TREES.



Seats for Covering for Common and Patent Hooks.

	Common.		Patent.	
Nos.	822	823	832	833
Size, in.	5	5½	5	5½
W't, doz., lbs.	21	22½	21	22½
Per dozen	$7.90	8.60	7.90	8.60
	DCE	DGE	DCE	DGE

BACK BAND LOOPS.



For Express Trees Nos. 822 to 823.
No. 14—1¼ in., japanned, w't per doz. 3½ lbs. .....per dozen **EJ** $0.90

ONE DOZEN IN A BOX.

SELF-ADJUSTING TREES.

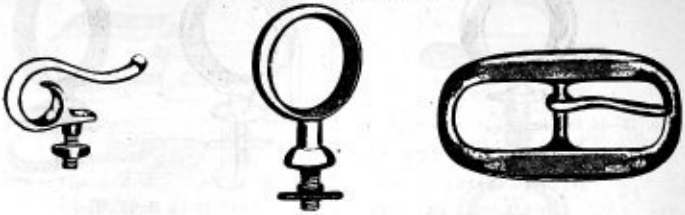


New Style.
No. 3—Moline, XC plate, for market strap skirts, w't per doz. 18½ lbs., per dozen .....**CDE** $6.30



New Style.
No. 8—Moline, XC plate, for folded skirts, w't per doz. 21 lbs., per dozen .....**CDE** $6.30

EXPRESS MOUNTINGS.



Solid Brass, Swedge.

Nos.	1542	1544
For harness, in.	1¼	1½
W't per set, lbs.	2⅛	2¾
Per set	$2.10	2.40
	ABJ	ACH

No. 1542 consists of two 1¾ in. terrets, two 1¼ in. tug buckles and one hook for 4 or 4½ in. saddle.

No. 1544 consists of two 1⅞ in. terrets, two 1½ in. tug buckles and one hook for 5 or 5½ in. saddle.



Solid Brass, Band, Heavy.

Nos.	1522	1524
For harness, in.	1¼	1½
W't per set, lbs.	2	2½
Per set	$2.30	2.50
	ACB	ADD

No. 1522 consists of two 1¾ in. terrets, two 1¼ in. tug buckles and one hook for 4 or 4½ in. saddle.

No. 1524 consists of two 1⅞ in. terrets, two 1½ in. tug buckles and one hook for 5 or 5½ in. saddle.

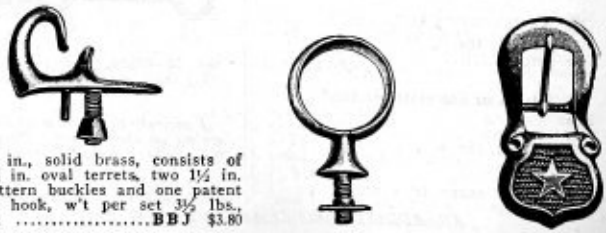


Solid Brass, Oval, Extra Heavy.

Nos.	1562	1564
For harness, in.	1¼	1½
W't per set, lbs.	2½	2¾
Per set	$2.30	2.50
	ACB	ADD

No. 1562 consists of two 1¾ in. terrets, two 1¼ in. tug buckles and one hook for 4 or 4½ in. saddle.

No. 1564 consists of two 1⅞ in. terrets, two 1½ in. tug buckles and one hook for 5 or 5½ in. saddle.



Star—1½ in., solid brass, consists of two 1⅜ in. oval terrets, two 1½ in. star pattern buckles and one patent express hook, w't per set 3½ lbs., per set .....**BBJ** $3.80

TERRETS.

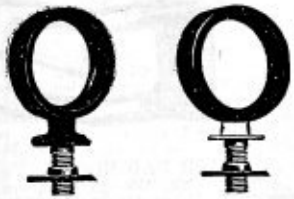


Japanned, Band.

Nos.	305	306
Size, in.	1⅛	1¼
W't per doz., lbs.	3	3¼
Per dozen	$0.80	1.40
	DF	JGE

XC Plate, Band.

Nos.	315	316
Size, in.	1⅛	1¼
W't per doz., lbs.	3	3¼
Per dozen	$0.80	1.40
	DF	JGE



Nos. 263 to 275. No. 253.

Narrow Band.

No. 263—1½ in. imitation rubber, all black, w't per doz. 2½ lbs., per dozen ..... JGJ $1.20

Heavy Wide Band.

No. 275—1⅝ in. imitation rubber, all black, w't per doz. 3¼ lbs., per dozen ..... JGE $1.40

Heavy Band, Gilt Base.

No. 253—1½ in. imitation rubber, w't per doz. 3 lbs. ..per dozen JGE $1.30



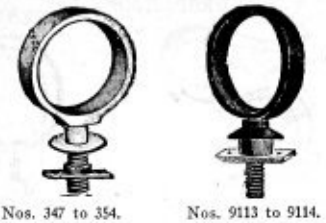
Solid Brass, Band.

Nos.	324	325
Size, in.	1½	1⅝
W't per doz., lbs.	2⅝	2⅞
Per dozen	$2.40	2.80
	ADJ	AFJ

Nickel on Composition, Band.

Nos.	334	335
Size, in.	1½	1⅝
W't per doz., lbs.	2⅝	2⅞
Per dozen	$2.40	2.80
	ADJ	AFJ

ONE DOZEN IN A BOX.



Nos. 347 to 354. Nos. 9113 to 9114.

Solid Brass, Band, Heavy.

Nos.	347	348
Size, in.	1¼	1⅜
W't per doz., lbs.	3¾	4
Per dozen	$5.40	6.40
	CAJ	CGJ

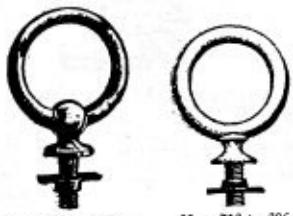
Solid Brass, Band, Extra Heavy.

Nos.	352	353	354
Size, in.	1¼	1⅜	2
W't per doz., lbs.	5	5½	5¾
Per dozen	$5.40	6.40	7.60
	CAJ	CGJ	DCE

Genuine Rubber, Plain Narrow Band.

Factory No. 91.

Nos.	9113	9114
Size, in.	1¼	1½
W't per doz., lbs.	1½	2
Per dozen	$8.70	8.70
	EJJ	EJJ



Nos. 375 to 381. Nos. 713 to 396.

Japanned Wire Ball.

Nos.	375	376
Size, in.	1½	1⅝
W't per doz., lbs.	2¼	2⅜
Per dozen	$0.70	.80
	DJ	DF

XC Plate Wire Ball.

Nos.	380	381
Size, in.	1½	1⅝
W't per doz., lbs.	2¼	2⅜
Per dozen	$0.70	.80
	DJ	DF

Plain Wire.

No. 713—1½ in. imitation rubber, all black, w't per doz. 2½ lbs., per dozen ..... JFC $1.10

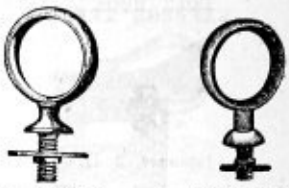
Solid Brass, Plain Wire, Light.

Nos.	390	391
Size, in.	1½	1⅝
W't per doz., lbs.	1⅞	2¼
Per dozen	$2.20	2.60
	ABE	AEJ

Nickel on Composition, Plain Wire, Light.

Nos.	395	396
Size, in.	1½	1⅝
W't per doz., lbs.	1⅞	2⅛
Per dozen	$2.20	2.60
	ABE	AEJ

ONE DOZEN IN A BOX.



Nos. 490 to 496. Nos. 425 to 438.

Solid Brass, Medium Swedge.

Nos.	490	491
Size, in.	1½	1⅝
W't per doz., lbs.	2	2½
Per dozen	$3.00	3.40
	AGC	AIE

Nickel Composition, Medium Swedge.

Nos.	425	496
Size, in.	1½	1⅝
W't per doz., lbs.	2	2½
Per dozen	$3.00	3.40
	AGC	AIE

Nos.	406	407	408
Size, in.	1¾	1⅞	2
W't per doz., lbs.	5½	7	8½
Per dozen	$6.40	7.00	8.00
	CGJ	DJE	DFJ

DROP TERRETS.



Drop.

No. X90—1⅝ in., japanned, w't per doz. 1¾ lbs. .....per dozen JFB $1.10
No. X100—1⅝ in. XC plate, w't per doz. 1¾ lbs .....per dozen JGJ $1.20

ONE DOZEN IN A BOX.

NECK STRAP STAPLES.



No. 97—Imitation rubber, w't per doz. 4 oz. .....per dozen AF $0.30
No. 98—Nickel on composition, w't per doz. 4 oz.....per dozen JEE $1.00
No. 99—Solid brass, w't per doz. 4 oz., per dozen .....JEE $1.00

These are used in connection with common breeching rings for neck strap line terrets on moderate priced harness.

THREE DOZEN IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

HOOKS.

BOLT HOOKS.



Japanned, Band.

Nos.	505	506
Match terret, in.	1⅛	1¼
W't per doz., lbs.	2½	2¾
Per dozen	$0.80	1.40
	DD	JGE

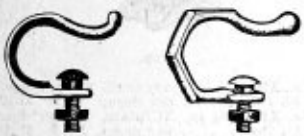
XC Plate, Band.

Nos.	515	516
Match terret, in.	1⅛	1¼
W't per doz., lbs.	2½	2¾
Per dozen	$0.80	1.50
	DD	JHJ



Narrow Band.

No. 264—Imitation rubber, all black, match No. 263 terret, w't per doz. 2¼ lbs. .....per dozen **JGJ** $1.20



Nos. 630 and 631. Nos. 635 and 636.

No. 630—Nickel on composition, match No. 430 terret, w't per doz. 2½ lbs., per dozen .....**ADJ** $2.40

No. 631—Imitation rubber, oroide trimmed, match No. 431 terret, w't per doz. 2½ lbs. .....per dozen **ADJ** $2.40

No. 635—Nickel on composition, match No. 435 terret, w't per doz. 2½ lbs., per dozen .....**ADE** $2.40

No. 636—Imitation rubber, oroide trimmed, match terret No. 436, w't per doz. 2½ lbs. .....per dozen **ADE** $2.40

BUCKEYE GUARD HOOKS.



Match 1½ to 1¾ in. Terrets, W't Per Dozen 3 Pounds.

No. 25—Japanned.....dozen **JGE** $1.30
No. 35—XC plate, dozen **JIJ** $1.40

ONE DOZEN IN A BOX.

DROP HOOKS.



No. 90—Japanned, width of loop 1 in., match No. X90 terret, w't per doz. 1½ lbs., per doz. **JGE** $1.30

No. 100—XC plate, width of loop 1 in., match No. X100 terret, w't per doz. 1½ lbs. .....per dozen **JHJ** $1.40

TEAM PAD HOOKS.



No. 30 — Japanned band, improved loop belt, width of loop 1 in., for 1¼ in. pad layer, w't per dozen 2½ lbs., per doz. **JFJ** $1.00

XC Plate, Band, Improved Loop Bolt.

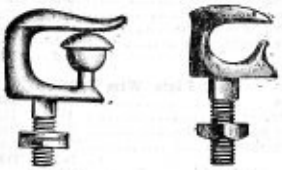
Nos.	40	42
Width, loop, in.	1	1¼
For pad layer, in.	1¼	1½
W't per doz., lbs.	2½	3
Per dozen	$1.10	1.10
	JFE	JFE



WELLES' Lock Fast, XC Plate.

Nos.	80	82
Width loop, in.	1	1¼
For pad layer, in.	1¼	1½
W't per doz., lbs.	3	3½
Per dozen	$1.30	1.80
	JGE	AJE

BOLT HOOKS. SAFETY CHECK HOOKS.



Nashua. Urbana.

Nashua.

No. 1550—Imitation rubber, w't per doz. 1½ lbs. .....per dozen **BCE** $3.60

No. 1552—Nickel on composition, w't per doz. 1½ lbs. ....per dozen **BCE** $3.60

Simple and effective, can be unchecked with one hand.

Urbana.

No. 1520—Imitation rubber, all black, w't per doz. 1½ lbs., doz. **JIJ** $1.60

No. 1522—Nickel on composition, w't per doz. 1½ lbs., per dozen **AAJ** $2.00

No. 1523—Solid brass, w't per doz. 1½ lbs. .....per dozen **AAJ** $2.00

ONE DOZEN IN A BOX.

SAFETY CHECK HOOKS.



Button.

No. 1540—Imitation rubber, all black, w't per doz. 1½ lbs., per dozen .....**JIJ** $1.60

No. 1542—Nickel on composition, w't per doz. 1½ lbs.....per dozen **AAJ** $2.00

No. 1544—Solid brass, w't per doz. 1½ lbs., ...per dozen **AAE** $2.00

No. 1548—Genuine rubber, w't per doz. 1½ lbs. .....per dozen **DJE** $7.00



CLINTON.

No. 1517—Nickel on composition, w't per doz. 3 lbs. .....per dozen **BEJ** $4.50

No. 1518—Imitation rubber oroide trimmed, w't per doz. 3 lbs., per dozen .....**BEJ** $4.50

COACH PAD HOOKS.



No. 1560—Imitation rubber, w't per doz. 1½ lbs., per dozen ..**AAJ** $2.00

No. 1563—Nickel or composition, w't per doz. 1½ lbs., per dozen ..**AEJ** $2.60

No. 1565—Solid brass, w't per doz. 1½ lbs., per dozen .....**AEJ** $2.60

EXPRESS HOOKS.



Solid Brass, Oval.

Nos.	1585	1585½
Size, in.	5	5½
W't per doz., lbs.	4¼	5
Per dozen	$6.00	7.00
	CDE	DJE



No. 1505½. No. 355½.

Solid Brass, Band.

Nos.	1505½	355½
Size, in.	5½	5&5½
W't per doz., lbs.	5¼	5½
Per dozen	$7.00	8.00
	DJE	DFJ

No. 355½ are short and extra heavy.

ONE DOZEN IN A BOX.

AN ADDITIONAL CHARGE OF 15% WILL BE ADDED FOR BREAKING OF BOXES.

BRIDLE BITS.

MALLEABLE, RING.



No. 1—XC plate, 2 in. ring, jointed mouth, light, w't per doz. 3 lbs., per dozen .....**DE** $0.80
ONE DOZEN IN A BOX.



No. 10—XC plate, 2 in. ring, twisted jointed mouth, w't per doz. 5 lbs., per dozen .....**JFE** $1.20
ONE DOZEN IN A BOX.



No. 27—XC plate, 2¾ in. ring, twisted jointed mouth, w't per doz. 7 lbs., per dozen .....**JIE** $1.70
No. 28—XC plate, 2¾ in. ring, twisted stiff mouth, w't per doz. 7 lbs., per dozen .....**JIE** $1.70
ONE-HALF DOZEN IN A BOX.



No. 157—Two-Bits, XC plate, 3 in. ring, 6 in. jointed mouth, w't per doz. 9 lbs., per dozen .....**ACE** $2.50
No. 159—Two-Bits, XC plate, 3 in. ring, 6 in. stiff mouth, w't per doz. 9 lbs., per dozen .....**ACE** $2.50



No. 12—XC plate, 3 in. ring, stiff mouth, w't per doz. 11 lbs., per dozen .....**AFE** $3.00
No. 14—XC plate, 3 in. ring, 6 in. stiff mouth, w't per doz. 12 lbs., per dozen .....**BAJ** $3.80
ONE-HALF DOZEN IN A BOX.

WROUGHT, RING.



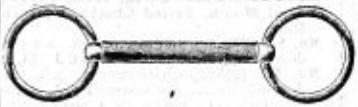
Factory No. 47.
No. 20—Cruso, XC plate, 2¾ in. jointed mouth, w't per doz. 7 lbs., per dozen .....**JGJ** $1.10
No. 21—Cruso, XC plate, 2¾ in. stiff mouth, w't per doz. 7 lbs., per dozen .....**JGJ** $1.10
No. 22—Cruso, japanned, 2¾ in. jointed mouth, w't per doz. 7 lbs., per dozen .....**JGJ** $1.10
No. 23—Cruso, japanned, 2¾ in. stiff mouth, w't per doz. 7 lbs., per dozen .....**JGJ** $1.10
LOOSE.

SAW MOUTH.



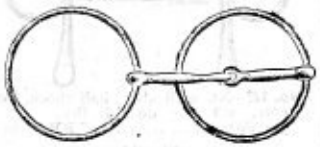
No. 679 REVERSE—XC plate, 2¾ in. ring, malleable mouth, w't per doz. 8¼ lbs., per dozen .....**CHE** $6.00
ONE-HALF DOZEN IN A BOX.

RUBBER COVERED MOUTH.



Stiff.
No. 120—XC malleable, loose rings, w't per doz. 7 lbs., per dozen **AHD** $3.20
ONE-HALF DOZEN IN A BOX.

RACE RING.

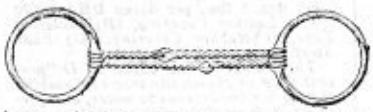


Jointed Mouth.
No. 30—XC plate, malleable, 3½ in. ring, w't per doz. 6 lbs., per dozen .....**ACE** $2.40
ONE-HALF DOZEN IN A BOX.

TWISTED WIRE, RING.



No. 50—XC plate, 2¼ in. ring, single wire mouth, w't per doz. 4½ lbs., per dozen .....**JHJ** $1.40
ONE-HALF DOZEN IN A BOX.



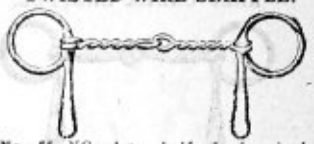
No. 54—XC plate, 2½ in. ring, double wire mouth, w't per doz. 5¼ lbs., per dozen .....**AAJ** $2.00
ONE-HALF DOZEN IN A BOX.

PONY HALF CHEEK SNAFFLE.

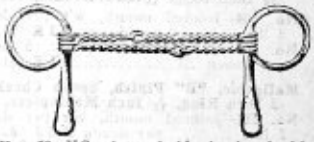


No. 1047—Nickel, malleable, jointed mouth, w't per doz. 3 lbs., per dozen .....**AFE** $3.00
No. 1048—Nickel, malleable, stiff mouth, w't per doz. 3 lbs., per dozen .....**AFE** $3.00
ONE-HALF DOZEN IN A BOX.

TWISTED WIRE SNAFFLE.



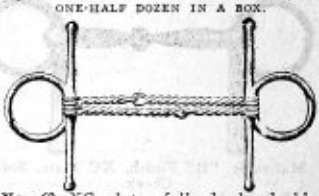
No. 56—XC plate, half cheek, single wire mouth, w't per doz. 4½ lbs., per dozen .....**AJJ** $1.70
ONE-HALF DOZEN IN A BOX.



No. 58—XC plate, half cheek, double wire mouth, w't per doz. 6 lbs., per dozen .....**AAJ** $2.10



No. 60—XC plate, full cheek, single wire mouth, w't per doz. 5 lbs., per dozen .....**AJJ** $1.70
ONE-HALF DOZEN IN A BOX.



No. 62—XC plate, full cheek, double wire mouth, w't per doz. 6¼ lbs., per dozen .....**ABE** $2.30
ONE-HALF DOZEN IN A BOX.

FOUR RING.



No. 168XC—Malleable iron twisted, jointed mouth, 2¾ in. ring, w't per doz. 7¼ lbs. ....per dozen **ACJ** $2.40
No. 286XC—Malleable iron, twisted, stiff mouth, 2¾ in. ring, w't per doz. 7¼ lbs. .....per dozen **ACJ** $2.40
ONE-HALF DOZEN IN A BOX.

BRIDLE BITS.

HALF CHEEK SNAFFLE.



Malleable, "B" Finish, XC Plate, Spoon Cheeks,
1⅞ Inch Ring, ⅞ Inch Mouthpiece.

No. 504—Jointed mouth, w't per doz. 5 lbs.....per dozen **AJE** $1.90
No. 506—Still mouth, w't doz. 5 lbs., per dozen .....**AJE** $1.90

Malleable, "B" Finish, Spoon Cheeks, 2 Inch Ring, ⅞ Inch Mouthpiece.

No. 517—Jointed mouth, w't per doz. 7 lbs. .....per dozen **AEJ** $2.70
No. 518—Still mouth, w't per doz. 7 lbs., per dozen .....**AEJ** $2.70

Malleable, "B" Finish, Dan Mace Cheeks, 1⅞ Inch Ring, ⅞ Inch Mouthpiece.

No. 524—Jointed mouth, nickel, w't per doz. 5 lbs.....per dozen **ADE** $2.50
No. 525—Still mouth, nickel, w't per dozen 5 lbs.....per dozen **ADE** $2.50
No. 526—Jointed mouth, imitation rubber, all black, w't per doz. 5 lbs., per dozen ..... **ADE** $2.50
No. 527—Stiff mouth, imitation rubber, all black, w't per doz. 5 lbs., per dozen ..... **ADE** $2.50



Malleable, "B" Finish, XC Plate, Solid Cheek.
2 Inch Ring, ⅞ Inch Mouthpiece.

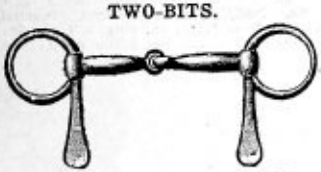
No. 514—Jointed mouth, w't per doz. 6 lbs..... perdozen **ADJ** $2.50
No. 516—Still mouth, w't per doz. 6 lbs., per dozen .....**ADJ** $2.50

Malleable, "B" Finish, Solid Cheek, 2 Inch Ring, ⅞ Inch Mouthpiece.

No. 534—Jointed mouth, nickel, w't per doz. 6 lbs.....per dozen **AFE** $2.90
No. 535—Stiff mouth, nickel, w't per doz. 6 lbs.....per dozen **AFE** $2.90

ONE-HALF DOZEN IN A BOX.

TWO-BITS.



Malleable, "B" Finish, XC Plate, Heavy Dexter, Spoon Cheeks, 2⅛ Inch Ring, 1¼ Inch Mouthpiece.

No. 519—Jointed mouth, w't per doz. 8¾ lbs.....per dozen **BJE** $3.60
No. 520—Stiff mouth, w't per doz. 8¾ lbs.....per dozen **BJE** $3.60

ONE-HALF DOZEN IN A BOX.

HALF CHEEK SNAFFLE.



Malleable, Standard Finish, Nickel Plated, Narrow Cheek, Hand Forged Steel Mouth, Tested Cheeks, 1⅞ Inch Ring.

No. 570 [illegible]—Jointed mouth, w't per doz. 7 lbs.....per dozen **BCJ** $4.00
No. 572 [illegible]—Stiff mouth, w't per dozen 7 lbs.....per dozen **BCJ** $4.00

ONE-HALF DOZEN IN A BOX.

RUBBER COVERED MOUTH.



No. 122—XC malleable,, half cheek, steel core, w't per doz. 7 lbs., per dozen ..... **BBJ** $4.00

Flexible.

No. 124—Nickel, half cheek, chain core, w't per doz, 6 lbs., per dozen .....**CAJ** $5.60

ONE-HALF DOZEN IN A BOX.

LEATHER MOUTH.



Showing Construction.

No. 460—Nickel plated, half cheek, w't per doz. 5 lbs., per dozen **DHJ** $8.70
(A) Leather Covering, (B) Insulating Tape, (C) Rubber Covering, (D) Four Steel Bars.
The leather in the above bit is "process filled or chemically treated," making the leather impervious to water, and prevents it from becoming sour from the moisture from the horse's mouth, when in use.

ONE-HALF DOZEN IN A BOX.



Solid.

No. 450—Nickel plated, half cheek, w't per doz. 5 lbs., per dozen **CHE** $7.00
The leather in the above bit is "process filled or chemically treated," making the leather impervious to water, and prevents it from becoming sour from the moisture from the horse's mouth, when in use.

ONE-HALF DOZEN IN A BOX.

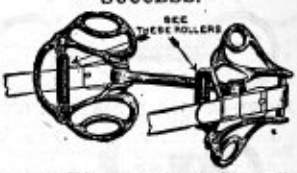
IMPERIAL.



No. 1061—XC plate, w't per doz. 10½ lbs. .....per dozen **DIE** $9.00
This bit combines all the features to be used successfully on a tender-mouthed horse or a severe puller. Rollers on cheek pieces prevent injury to the mouth.

ONE-HALF DOZEN IN A BOX.

SUCCESS.



No. 1081—XC plate, w't per doz. 10 lbs., per dozen .....**DIE** $9.00
This bit combines all the features to be used successfully on a tender-mouthed horse or a severe puller. Rollers on cheek pieces prevent injury to the mouth.

ONE-HALF DOZEN IN A BOX.

BEERY.



No. 1095—XC plate, jointed mouth, w't per doz. 10 lbs., per doz. **JEEJ** $10.00
The Beery driving bit is so made that four different hitches are possible, making it a desirable bit for either gentle, shying, nervous, side reiners or vicious runaway horses. The "hitch" as shown in illustration is for use on gentle horses.

ONE-HALF DOZEN IN A BOX.

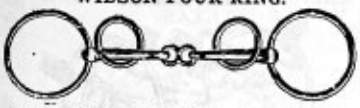
MILITARY.



No. 631—Blued malleable, w't per doz. 8½ lbs. .....per dozen **BFE** $4.80

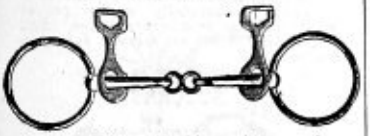
BRIDLE BITS.

WILSON FOUR RING.



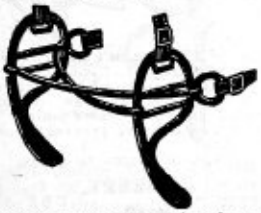
No. 80—XC malleable, w't per doz. 6½ lbs. .....per dozen **AFJ** $2.80
No. 82—Nickel, malleable, w't per doz. 6½ lbs. .....per dozen **CBJ** $4.80
ONE-HALF DOZEN IN A BOX.

ROCKWELL RING.



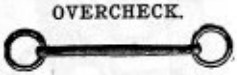
No. 90—XC malleable, w't per doz. 8 lbs. .....per dozen **AFJ** $2.80
ONE-HALF DOZEN IN A BOX.

CRUSO—J. I. C. PATTERN



No. 1050—Cruso, japanned safety, w't per doz. 9½ lbs., per dozen **AFJ** $2.50
No. 1051—Cruso, XC Safety, w't per doz. 9½ lbs. .....per dozen **AFJ** $2.50

OVERCHECK.



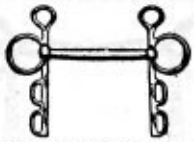
No. 1001—XC plate, stiff mouth, per dozen .....**DE** $0.80
No. 1002—Imitation rubber, all black, stiff mouth .....per dozen **DE** $0.80
No. 1004—Nickel, stiff mouth, per dozen .....**JEE** 1.00
ONE-HALF DOZEN IN A BOX. W'T PER DOZEN 1½ LBS.

LIVERPOOL.



No. 4816—Nickel, sliding mouth, swivel cheek, w't per doz. 13½ lbs., per dozen .....**EEE** $9.70
ONE-HALF DOZEN IN A BOX.

HANOVERIAN OR GIG.



No. 760—XC malleable, w't per doz. 8 lbs. .....per dozen **BAJ** $3.80
ONE-HALF DOZEN IN A BOX.

MULE.



No. 158—Japanned malleable, large, w't per doz. 9 lbs., per dozen **AFJ** $3.00
ONE-HALF DOZEN IN A BOX.

PORT.



No. 632—XC malleable, w't per doz. 8 lbs., per doz. **ABJ** $2.00



No. 634—XC malleable, w't per doz. 8½ lbs., per doz. **ADE** $2.00



No. 636 — XC malleable, w't per doz. 10½ lbs., per doz., **AEE** $2.70

No. 637—Nickel malleable, w't per doz. 10½ lbs., per doz., **JFBJ** $10.80



No. 642—XC malleable, w't per doz. 7 lbs. .....per dozen **ADE** $2.60
No. 643—Nickel malleable, w't per doz. 7 lbs. .....per dozen **CCJ** $6.00

COW BOY.



No. 1100—Blued malleable, w't per doz. 10 lbs. .....per dozen **ABJ** $2.00



No. 1106—Cruso, malleable blued, with high port roler, w't per doz. 11 lbs., per dozen .....**BFE** $4.80



No. 1108—Blued, high port, w't per doz. 9 lbs., per doz., **AAJ** $2.00
ONE-HALF DOZEN IN A BOX.



No. 1120—Blued, low port with roller, w't per doz. 9½ lbs., per doz. **AHE** $3.10



No. 1124—Filed plain cheeks, with roller, w't per doz. 11 lbs., per doz. **BGE** $4.20



No. 1315—Plain polished malleable, high port, w't per doz. 9 lbs., per doz. **BBJ** $3.20

No. 2315—Plain burnished hand forged steel, high port, w't per doz. 9 lbs., per doz. .. **ABFE** $22.00

BRIDLE BITS AND SPURS.

COW BOY.



No. 1126 — Plain polished cheeks, high port and rollers, w't per doz. 10 lbs., per dozen, **BBJ** $9.40



No. 1341 — Leg pattern, nickel plated, port with roller, w't per doz. 6½ lbs., per dozen, **EAJ** $9.30

ONE-HALF DOZEN IN A BOX.



No. 1134 — Burnished and chased cheeks, with roller, w't per doz. 11 lbs., per dozen, **JHHJ** $16.00



No. 957 — Burnished hand forged steel, w't per doz. 10 lbs., per dozen.. **ACHJ** $23.00

SPURS.



No. 11—Malleable, XC plate, w't per doz. prs. 2 lbs., per dozen pairs .....**JIE** $1.70



No. 14—Malleable, XC plate, w't per doz. prs. 2½ lbs., per doz. prs. .....**AJE** $1.90



No. 12—Malleable, blued, w't per doz. prs. 3½ lbs., per doz. prs. **AJJ** $1.90

SPURS.



No. 8—"Two-Bits," Brass, w't per doz. prs. 3 lbs., per doz. prs. **BJE** $3.70



No. 10—Brass, w't per doz. prs. 4 lbs., per dozen pairs .....**BFE** $4.80



No. 3—Eureka, scalloped, steel, nickel plated, w't per doz. prs. 6½ lbs., per dozen pairs .....**BHJ** $5.30



No. 693—Cruso, plain, steel, nickel plated, w't per doz. 6 lbs., per dozen pairs ..... **BFE** $4.80

ONE-HALF DOZEN PAIRS IN A BOX.



No. 585—O. K., malleable, blued, w't per doz. prs. 8½ lbs., per dozen pairs .....**DBE** $7.70



No. 1176½ — Blued, w't per doz. prs. 7 lbs.....per doz. prs. **DFJ** $8.40



No. 1178—Blued, w't per doz. prs. 6½ lbs.....per doz. prs., **DFJ** $8.40

CALIFORNIA, MEXICAN AND TEXAS.



No. 1254—Filed and chased, 1½ in. rowel, w't per doz. prs. 5 lbs., per dozen pairs .....**CJJ** $4.80



No. 1245—Filed and chased, 2 in. rowel, w't per doz. prs. 5 lbs., per dozen pairs .....**CBE** $5.40



No. 1253—Filed and chased, 1⅞ in. rowel, w't per doz. prs. 6½ lbs., per dozen pairs .....**CBE** $5.40



No. 1269—Burnished and chased, 1⅛ in. rowel, w't per doz. prs. 10 lbs., per dozen pairs .....**AJAJ** $16.80



No. 1274½—Filed and chased, straight shank, 1⅜ in. rowel, w't per doz. prs. 8¼ lbs. ..per dozen pairs **AJIE** $18.20

ONE-HALF DOZEN PAIRS IN A BOX.



No. 1273 — Plain burnished, 1⅞ in. rowel, w't per doz. prs. 11 lbs., per dozen pairs .....**AJAJ** $16.80

HARNESS TRIMMINGS.

ROSETTES.



No. 16 Nos. 46 and 046. Nos. 58 to 72.

XC Plate, Shell.

Nos.	16
Size, inches	1¾
Weight per gross, pounds	4¼
Per gross	$1.60
	JIJ

ONE-HALF GROSS IN A BOX.

Brass, Riveted Loop.

Nos.	46	58
Size, in.	1¾	2
W't per gro., lbs.	6	8
Per gross	$2.88	6.40
	AFJ	CEJ

Nickel, Riveted Loop.

Nos.	046	058
Size, in.	1¾	2
W't per gro., lbs.	6	8
Per gross	$2.88	6.40
	AFJ	CEJ

Malleable Back.

No. 72—2¼ in. brass, w't per gro. 12 lbs., per gross ..... JEIJ $10.70

ONE-HALF GROSS IN A BOX.



Showing Construction.

Nos. 1200 and 01200.

Solid Back, Riveted Back.

No. 1200—2¼ in., brass, w't per gro. 2¼ lbs. .....per gross CGJ $6.70

No. 01200—2¼ in., nickel, w't per gro. 2¼ lbs. .....per gross CGJ $6.70

Heavy metal shell reinforced with metal filler as shown by sectional view, particularly adapted for heavy team or express use.

ONE-SIXTH GROSS IN A BOX.



Glass, Standard Quality.

No. 1—Assortment, flat crystal glass, metal mountings, animal heads, flower and other fancy designs, w't per asst. 2 lbs. .....per box AAJ $2.00

ONE-SIXTH GROSS IN A BOX.

ROSETTES.

REVONOC CARD ASSORTMENTS.



No. 20 REVONOC—Novelty assortment, 1 pr. each 2¼ in., plain brass ball center, brass spot center with black background and fancy scalloped red center, all with solid brass rim and steel disc filled backs, per card ..... JHE $1.50

SIX CARDS IN A BOX.

BUCKLE SHIELDS.



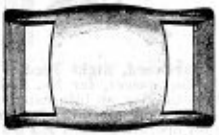
ROYAL Flexible, Solid Brass.

Nos.	657	658
Size, in.	⅝	1
W't per gro., lbs.	4¾	5½
Per gross	$8.30	9.50
	DEE	EBE

Nos.	661	662
Size, in.	1⅛	1¼
W't per gro., lbs.	6½	7¼
Per gross	$11.50	13.50
	JFCE	JGDE

This shield having a hinged loop admits of its being easily adjusted to any thickness of strap.

ONE-HALF GROSS IN A BOX.



MOSSMAN'S Heavy, Cast, Solid Brass.

Nos.	357	358
Size, in.	⅜	1
W't per gro., lbs.	7	9
Per gross	$8.40	10.80
	JEDJ	JFIJ

Nos.	361	362
Size, in.	1¼	1¾
W't per gro., lbs.	11	14
Per gross	$12.60	15.00
	JHAJ	JIFJ

NO. 362, ONE-QUARTER GROSS; BALANCE, ONE-HALF GROSS IN A BOX.

Carry a Line of Goods on which You can Rely.

The Dealer who Carries a Line of OUR VERY BEST Paints stamps his Store as a place where the Better Goods are sold.

A House with over Half a Century's Experience stands back of the OUR VERY BEST Brand.

SPOTS, RIVETING MACHINES AND RIVET SETS.

STANDARD SPOTS.



Brass, Crown Head.

Nos.	1102	1103	1104	1105
Size, in.	4-16	6-16	8-16	10-16
W't, gro., lbs.	¼	½	⅝	1
Per gross	$0.50	.60	.80	1.00
	CJ	CE	DE	JEE
Nos.	**1106**	**1107**	**1108**	
Size, in.	12-16	14-16	1	
W't per gro., lbs.	1½	1¾	2	
Per gross	$1.40	1.80	2.20	
	JGE	AAJ	ACJ	

ONE GROSS IN A BOX.

Nickle, Crown Head.

Nos.	202	203	204
Size, in.	4-16	6-16	8-16
W't per gro., lb.	¼	½	⅝
Per gross	$0.60	.70	.90
	CE	DJ	EJ
Nos.	**205**	**206**	
Size	10-16	12-16	
W't per gro., lbs.	1	1¼	
Per gross	$1.10	1.50	
	JFJ	JIJ	

ONE GROSS IN A BOX.

Solid Brass, Crown Head.

Nos.	1202	1203	1204
Size, in.	4-16	6-16	8-16
W't per 1,000, lbs.	1	1½	2¼
Per 1,000	$2.50	3.50	4.50
	AEJ	BAJ	BGJ
Nos.	**1205**	**1206**	**1207**	**1208**
Size, in.	10-16	12-16	14-16	16-16
W't, 1000, lbs.	3¼	7	10½	13½
Per 1,000	$5.60	8.10	10.60	13.10
	CCE	DHE	JFCE	JGHE

ONE THOUSAND IN A BOX. WE DO NOT BREAK BOXES.

RIVET SETS.



Farmers' Cast Steel.

Nos.	7-H	8-H	9-H
W't per doz., lbs.	5	6	6½
Per dozen	$2.00	2.00	2.00
	ABJ	ABJ	ABJ

ONE-HALF DOZEN IN A BOX.

SPOT MACHINES.



Japanned, Sight Feed.

No. 200—Foot power, complete with dies to set round spots either flat or oval, from ⅛ to 1 in. inclusive by 8ths, each .....AJHJ $18.00

The spot holder is hinged, which permits the operator to feed the spots into the holder at the most convenient angle and is brought back into the central position by a positive stop. The spot holders are changed from one size to another by simply pressing a lever at the rear of the holder. The adjustable gauge is so constructed as to allow spots to be set close to the edge of the strap and has a range of adjustment of 5 in. and is easily and quickly adjusted to different widths.

ONE IN A BOX; SHIPPING W'T 35 LBS.

RIVETING MACHINES.



Japanned, Sight Feed.

No. 151—Foot power, for No. 1—factory number—tubular or bifurcated rivets, with one loop anvil and necessary parts for operating, each AJBJ $17.00

Chucks, for No. 3—factory number—rivets .....each AIJ $3.20

Anvils, for No. 3—factory number—rivets .....each EJ $0.80

To any one who has occasion to use tubular or bifurcated rivets, the advantage of seeing exactly where the rivets are to be set, is obvious. The chuck occupies very little room and is so constructed as to grasp the rivet very firmly by the head only, thus exposing the entire length of the rivet to the operator's sight until after the work is practically completed.

ONE IN A BOX; SHIPPING W'T 35 LBS.

RIVETING MACHINES.

No. 4 REVONOC—Malleable iron, japanned, polished steel working parts, height 6½ in., lever clinching, brass screw rivet box in stock, 1¼ in. throat, w't per doz. 36 lbs., per dozen .....$15.00 JIJJ



REVONOC

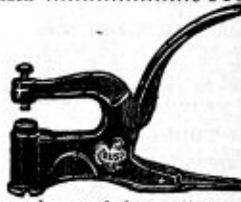
No. 1 REVONOC—Heavy iron frame, japanned, polished steel plunger and anvil, malleable iron lever, height 6¾ in., 1¾ in. throat, w't per doz. 45 lbs., per doz. $12.00 JGBJ



These machines will set both tubular and split (bifurcated) rivets perfectly, and automatically adjusts to the various lengths of rivets. Guaranteed against defects.



No. 20—Malleable iron, japanned, polished steel working parts, height 6½ in., lever clinching, with anvil top and horn, brass screw rivet box in stock and steel saddlers' punch, 2½ in. throat, w't per doz. 45 lbs., per dozen .....JIIJ $16.50



Cruso—Japanned, lever clinching, 3 in. throat, w't per doz. 42 lbs., per dozen .....CCE $5.60



Monarch.

No. 2 Malleable iron, japanned, easily adjusted for various length rivets, 1¾ in. throat, w't per doz. 28 lbs., per doz. .....DEJ $7.50

ONE IN A BOX.

RIVETS.

SLOTTED OR BIFURCATED CLINCH RIVETS.



Coppered Annealed Steel, Assorted Sizes in Cartons.

No. 5—Oval head, assorted 4-16 to 8-16 in., 100 in a paper box, 12 boxes in a carton, w't 2¾ lbs., per carton .....**EE** $0.94

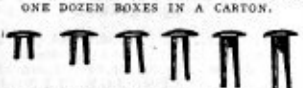
No. 6—Oval head, coppered, assorted 4-16 to 8-16 in., 50 in a paper box, 12 boxes in a carton, w't 1½ lbs., per carton .....**DJ** $0.70

No. 3—Oval head, assorted 4-16 to 8-16 in., 100 in a tin box, 12 boxes in a carton, w't 2⅞ lbs., per carton .....**JFE** $1.10

Coppered Annealed Steel, Fifty of a Size in a Paper Box.

Nos.	704	705	706
Length, in.	4-16	5-16	6-16
W't per carton, lbs.	1⅛	1¼	1¼
Per carton	$0.80	.80	.90
	EJ	**EJ**	**EE**
Nos.	708	710	
Length, in.	8-16	10-16	
W't per carton, lbs.	1¼	2	
Per carton	$0.90	1.00	
	EE	**JFJ**	

ONE DOZEN BOXES IN A CARTON.



Coppered Annealed Steel, 1,000 of a Size in a Box.

Nos.	603	604	605	606
Length, in.	3-16	4-16	5-16	6-16
Per 1,000	$1.20	1.20	1.20	1.36
	JGJ	**JGJ**	**JGJ**	**JHJ**
Nos.	607	608	610	612
Length, in.	7-16	8-16	10-16	12-16
Per 1,000	$1.36	1.36	1.52	1.68
	JHJ	**JHJ**	**JIJ**	**AJJ**

WE DO NOT BREAK BOXES.

TUBULAR RIVETS.



Assorted in Cartons.

No. 1—Japanned, assorted 5/64 to 3/16 in., 50 in a box, 12 boxes in a carton, w't 1 lb. .....per carton **DE** $0.76

No. 2—Coppered, assorted 5/64 to 3/16 in., 50 in a box, 12 boxes in a carton, w't 1 lb. .....per carton **DE** $0.76

No. 11—Japanned, assorted 5/64 to 3/16 in., 100 in a box, 12 boxes in a carton, w't 2 lbs. .....per carton **JHE** $1.40

No. 13—Coppered, assorted 5/64 to 3/16 in., 100 in a box, 12 boxes in a carton, w't 2 lbs. .....per carton **JHE** $1.40

WE DO NOT BREAK CARTONS.

TUBULAR RIVETS.



Factory No. 1.

Japanned, 50 of a Size in a Box.

Nos.	104	105	106	107
Length, in.	4-16	5-16	6-16	7-16
Per carton	$1.10	1.10	1.20	1.30
	JFE	**JFE**	**JGJ**	**JHJ**
Nos.	108	110	112	
Length, in.	8-16	10-16	12-16	
Per carton	$1.40	1.60	1.80	
	JHE	**JIE**	**AAJ**	

ONE DOZEN BOXES IN A CARTON.

Japanned, 1,000 of a Size in a Box.

Nos.	203	204	205	206
Length, in.	3-16	4-16	5-16	6-16
Per 1,000	$1.50	1.50	1.50	1.60
	JIJ	**JIJ**	**JIJ**	**JIE**
Nos.	207	208	209	210
Length, in.	7-16	8-16	9-16	10-16
Per 1,000	$1.80	2.00	2.10	2.30
	AAJ	**ABJ**	**ABJ**	**ADJ**
No.				212
Length, in.				12-16
Per 1,000				$2.60
				AEE

Coppered, 1,000 of a Size in a Box.

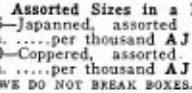
Nos.	304	305	306
Length, in.	4-16	5-16	6-16
Per 1,000	$1.50	1.50	1.60
	JIJ	**JIJ**	**JIE**
Nos. 307	308	310	312
Length, in. 7-16	8-16	10-16	12-16
Per 1,000 $1.80	2.00	2.30	2.60
AAJ	**ABJ**	**ADJ**	**AEE**

1,000 Assorted Sizes in a Box.

No. 325—Japanned, assorted 3-16 to 8-16 in. .....per thousand **AJJ** $1.70

No. 330—Coppered, assorted 3-16 to 8-16 in. .....per thousand **AJJ** $1.70

WE DO NOT BREAK BOXES.



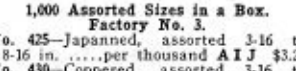
1,000 Assorted Sizes in a Box.
Factory No. 3.

No. 425—Japanned, assorted 3-16 to 8-16 in. .....per thousand **AIJ** $3.20

No. 430—Coppered, assorted 3-16 to 8-16 in. .....per thousand **AIJ** $3.20

WE DO NOT BREAK BOXES.

HAME RIVETS.



Soft Iron. Capped.

No. 7—¾, ⅞, 1 and 1¼ in., soft iron, per pound .....**JH** $0.14

ONE DOZEN IN A BOX.

Capped.

Diam. of Head, in.	⅝	½
Length of shank, in.	1	1⅛
No. 15—Nickel, per gross	$1.44	2.16
	JHE	**ACE**
No. 17—Brass, per gross	$1.44	2.16
	JHE	**ACE**

ONE GROSS IN A BOX.

COPPER RIVETS AND BURRS.



No. 80.

Solid Copper, One Size in a Box. In One Pound Boxes.

No. 7—Sizes, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound **BI** $0.49

No. 8—Sizes ¾, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound **CA** $0.50

No. 9—Sizes ⅜, ½, ⅝, ¾, ⅞, 1 and 1¼ in. .....per pound **CA** $0.52

No. 10—Sizes ⅜, ½, ⅝, ¾, ⅞ and 1 in., per pound .....**CB** $0.54

No. 12—Sizes ¼, ⅜, ½, ⅝, ¾ and 1 in., per pound .....**CE** $0.58

In One-Half Pound Boxes.

No. 7—Sizes ½, ⅝, ¾, ⅞ and 1 in., per pound .....**BI** $0.52

No. 8—Sizes ¾, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ in. .....per pound **CB** $0.53

No. 9—Sizes ⅜, ½, ⅝, ¾, ⅞, 1 and 1¼ in. .....per pound **CC** $0.55

No. 10—Sizes ⅜, ½, ⅝, ¾, ⅞ and 1 in., per pound .....**CD** $0.57

No. 12—Sizes ¼, ⅜, ½, ⅝, ¾ and 1 in., per pound .....**CG** $0.61

Solid Copper, Assorted Sizes, in Half-Pound Boxes.

No. 7—Sizes ¾ to ⅞ in., per lb. **CC** $0.55
No. 8—Sizes ⅜ to ¾ in., per lb. **CD** .56
No. 8—Sizes ½ to 1 in., per lb. **CD** .56
No. 9—Sizes ⅜ to ¾ in., per lb. **CE** .58
No. 9—Sizes ⅝ to 1 in., per lb. **CE** .58
No. 10—Sizes ⅜ to ¾ in., per lb. **CF** .60
No. 12—Sizes ⅜ to ¾ in., per lb. **CH** .64

ONE HUNDRED POUNDS IN A CASE.

REVONOC RIVETS AND BURRS.

Solid Copper, Assorted Sizes in Cartons.

No. 80 REVONOC—Size 8, ¼ lb. boxes, assorted ⅛ to ¾ in., 12 boxes in a carton, per carton .....**AAE** $1.74

No. 90 REVONOC—Size 9, ¼ lb. boxes, assorted ⅛ to ¾ in., 12 boxes in a carton .....per carton **ABJ** $1.80

WE DO NOT BREAK CARTONS.

COPPER BURRS ONLY.

Solid Copper One Size in a Box.

Nos.	7	8	9
Inside, diam., in.	6-32	5-32	4-32
In 1 lb. bxs per lb.	$0.49	.50	.52
	DE	**DH**	**DI**

BELT OR HARNESS RIVETS AND BURRS.

Coppered Iron, Assorted Lengths in a Box.

No. 08—Size 8, ½ lb. boxes, assorted ⅜ to ¾ in. .....per dozen **JFE** $1.45

No. 084—Size 8, ¼ lb. boxes, assorted ⅜ to ¾ in. .....per dozen **CE** $0.82

No. 09—Size 9, ½ lb. boxes, assorted ⅜ to ¾ in. .....per dozen **JGJ** $1.50

No. 094—Size 9, ¼ lb. boxes, assorted ⅜ to ¾ in. .....per dozen **CE** $0.85

SHOE THREAD AND NEEDLES.

SHOE THREAD.



REVONIC

Natural Color.

No. 610 REVONIC—10—1 oz. balls, per pound ..... ACE $2.00
No. 611 REVONIC—10—2 oz. balls, per pound ..... ACE $2.00

Factory numbers between dashes.

Made exclusively of the finest extra selection Belgium flax; is superior in quality, strength and regularity. Recognized as the best.

Made in France.

ONE POUND IN A BOX.



For Hand Sewing, Half Bleached.

No. 500—10—H. S. B. Special, 1 oz. balls only .....per pound JHJ $1.10
No. 506—10—American, 1 oz. balls, per pound ..... AJE $1.50
No. 507—10—American, 2 oz. balls, per pound ..... AJE $1.50
No. 510—10—Barbour's Standard, 1 oz. balls .....per pound AEJ $2.00
No. 511—10—Barbour's Standard, 2 oz. balls .....per pound AEJ $2.00
No. 512—3—Barbour's Standard, 2 oz. balls only .....per pound AFJ $2.30
No. 513—12—Barbour's Standard, 1 oz. balls .....per pound AHJ $2.80
No. 514—12—Barbour's Standard, 2 oz. balls .....per pound AHJ $2.80

Factory numbers between dashes.

ONE POUND IN A BOX.

Saddlers'.

No. 535—Barbour's, 3 cord [illegible], 4 oz. balls only .....per pound AEJ $2.

TWO POUNDS IN A BOX.

SHOE THREAD.



"HIB-SPE-BAR."

Half Bleached.

No. 502—10—"Hib-Spe-Bar," 1 oz. balls, per pound ..... AJJ $1.30

No. 503—10—"Hib-Spe-Bar," 2 oz. balls, per pound ..... AJJ $1.30

Factory numbers between dashes.

ONE POUND IN A BOX.



Linen Machine.

No. W35 — Barbour's, white brown, 3 cord, 2 oz. spools, per spool .....DJ $0.50

No. B35—Barbour's, dark blue, 3 cord, 2 oz. spools .....per spool DJ $0.50

EIGHT SPOOLS IN A BOX.



Champion Lock Stitch.

No. G5—5 cord gray, per lb. AGJ $2.20
No. G6—6 cord gray, per lb. AGJ 2.20
No. G7—7 cord gray, per lb. AGJ 2.20
No. G8—8 cord gray, per lb. AGJ 2.20
No. B5—5 cord black, per lb. AFJ 2.30
No. B6—6 cord black, per lb. AFJ 2.30
No. B7—7 cord black, per lb. AFJ 2.30
No. B8—8 cord black, per lb. AFJ 2.30

SIX POUNDS IN A PACKAGE.

HARNESS NEEDLES.



SMITH'S, Best Quality, Drilled Eye.

Nos.	700H	70H	71H	72H
Factory Nos.	00	0	1	2
Per dozen papers	$1.92 AJE	1.92 AJE	1.92 AJE	1.92 AJE
Nos.	**73H**	**74H**	**75H**	**76H**
Factory Nos.	3	4	5	6
Per dozen papers	$1.92 AJE	1.92 AJE	1.92 AJE	1.92 AJE

TWENTY-FIVE IN A PAPER.

No. 704H—Assorted, Factory Nos. 0, 1, 2, 3 and 4, per dozen papers AJE $1.92

TWENTY-FIVE ASSORTED NEEDLES IN EACH PAPER.

COLLAR NEEDLES.



JOHN NICHOL'S, Half Moon, Best Spring Steel.

Nos.	103½H	104H	104½H	105H
Size, in.	3½	4	4½	5
Per dozen	$1.20 JFE	1.40 JGE	1.60 JIJ	1.80 AJJ

MACHINE NEEDLES.



For Landis Harness Machines.

Nos.	112-H	113-H	114-H	115-H
Factory Nos.	2	3	4	5
Per dozen	$1.70 JIE	1.70 JIE	1.70 JIE	1.70 JIE

ONE DOZEN IN A PAPER.

AWL BLADES.



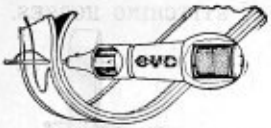
JOHN NICHOL'S, Best Quality, Straight.

Nos.	46H	47H	48H	49H
Length, in.	2½	2⅝	2¾	2⅞
Per gross	$4.32 BDJ	4.32 BDJ	4.32 BDJ	4.56 BEJ

ONE GROSS IN A PACKAGE.

HARNESS MAKERS' TOOLS.

AUTOMATIC STITCHING AWLS.





A Perfect Device for Sewing Any Heavy Material.

Automatic Stitcher—Highly polished rock maple handle, nickel plated cap and ferrule, complete with 3 needles and reel waxed thread, w't per doz. 3½ lbs., per doz. **DCJ** $9.00
Extra Needles, per dozen **JEJ** 1.20
Extra Skeins, 25 yds., waxed thread, per dozen .....**AAJ** $1.50

The Automatic is the latest invention and most effective of anything in the form of an automatic sewing awl ever offered for the money. Its simplicity makes it a thoroughly practical tool for any and all kinds of repair work, even in the hands of the most unskilled. With this awl you can mend harness, shoes, tents, awnings and pulley belts, carpets, saddles, suit cases, or any heavy material.

It is provided with a set of diamond pointed grooved needles including our special needle for tapping shoes, which is our own invention. It also contains a large bobbin from which the thread feeds, all of which are enclosed inside the handle out of the way. This awl has a tension which enables you to tighten your stitch, and it can be used with or without the bobbin which saves refilling the bobbin when you have a lot of work to do. No wrench or screw driver is required to remove the bobbin or tighten the needle in chuck, as it is necessary with other makes. The awl is convenient to carry—always ready to mend a rip or tear—it is a tool that no practical man can afford to be without.

ONE DOZEN IN ATTRACTIVE COUNTER DISPLAY BOX.

AWL HAFTS.

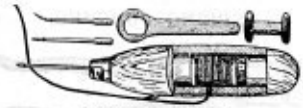


Tapered Brass Ferrule.

No. 241H—Round, rosewood, per dozen .....**JFE** $1.20
No. 141½H—Oval, black wood, tapered, brass ferrule, per dozen **JEE** $1.00

ONE-HALF GROSS IN A BOX.

LOCK STITCH SEWING AWLS.



Showing Construction.



Packed for Counter Display.

Makes Lock Stitch Like Sewing Machine.

No. 15H—Summers, stained wood handle, steel ferrule, complete with one small and one large awl for light and heavy stitching, skein of waxed thread and steel wrench, w't per doz. 2¼ lbs. .....per dozen **BBJ** $4.00

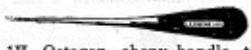
ONE DOZEN IN COUNTER DISPLAY BOX.

Extra Bobbins five cord linen thread, per dozen .....**DJ** $0.72

THREE DOZEN IN A BOX.

This is a practical hand sewing machine and makes a perfect lock stitch. A groove runs the full length of the needle which has a twist point such as is used in all devices and machines for sewing leather. Thread is carried from the bobbin inside of the handle. A very handy tool and indispensable to the farmer and horse owner and will prove a money saver in every household. Full instructions with each awl.

AWLS.



No. 1H—Octagon, ebony handle, tapered brass ferrule, polished steel point, length 5 in. .....each **DJ** $0.70

ONE DOZEN IN A BOX.



No. 6H—Thong, polished rosewood handle, brass ferrule, polished steel point, length 2¾ in., each **BJ** $0.40

ONE DOZEN IN A BOX.



No. 5H—Drawing, square shouldered, polished rosewood riveted handle, brass ferrule, polished steel point, length 5¼ in. .....each **CE** $0.60

ONE DOZEN IN A BOX.



No. 8H—Collar, square shouldered, polished rosewood riveted handle, brass ferrule, polished steel point, length 6 in. .....each **CE** $0.60

ONE DOZEN IN A BOX.

LOCK STITCH SEWING AWLS.



Makes Lock Stitch Like Sewing Machine.

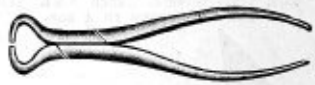
No. 10H—Myers, mahogany stained wood handle, nickel plated ferrule, reel and tool holder, complete with assorted needles, reel of waxed thread and combination wrench and screw driver, w't per doz. 3 lbs., per dozen .....**JEJE** $12.00
Extra Needles, per dozen **JGJ** 1.20
Extra Spools of Waxed Thread, per dozen .....**AAJ** $2.00

This awl is designed for speedy stitching to be used by all classes, the inexperienced as well as the mechanic.

Its simplicity makes it a practical tool for all kinds of repair work. The patent needle furnished with the awl is a diamond point and will go through the thickest leather; it has a groove to contain the thread running full length of the shank, overcoming any danger of cutting off the thread while sewing heavy material. The reel carrying the waxed thread is in a most convenient position under the finger ends so that the tension can be controlled at will by a simple movement of the fingers on the reel and thread can be taken up or let out as desired.

Tools in hollow of handle.

PAD SCREW PLIERS.



No. 102-H—Steel, black handles, length 6 in. .....each **JIJ** $1.50

ONE-HALF DOZEN IN A BOX.

PINCER PLIERS.



No. 99-H—Polished steel, length 6 in., each .....**JFE** $1.20

ONE-HALF DOZEN IN A BOX.

AWLS.



No. 3H—Pad, square shouldered, polished rosewood handle, brass ferrule, polished steel point, length 4 in., each .....**CJ** $0.50

ONE DOZEN IN A BOX.

The tools on this page are manufactured by C. S. Osborne & Co. and are made of best steel and with greatest care, each one being carefully examined before it leaves the factory.

HARNESS MAKERS' TOOLS.

SQUARE POINT KNIVES.



No. 76-H—Round rosewood handle, brass ferrule, 3¼ in. square point blade, each .....**BE** $0.40



No. 77-H—Flat rosewood riveted handle, 3¼ in. square point blade, each .....**DJ** $0.70

ONE DOZEN IN A BOX.

CAP KNIVES.



No. 79-H—Round rosewood handle, brass ferrule, 3¼ in. blade, each **BE** $0.40



No. 80-H—Flat rosewood riveted handle, 3¼ in. blade .....each **DJ** $0.70

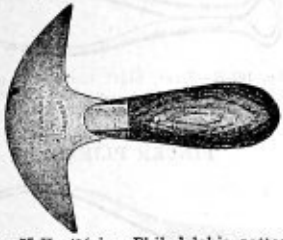
ONE DOZEN IN A BOX.

HEAD KNIVES.



No. 71-H—4¼ in., round rosewood handle, brass ferrule....each **JEE** $1.00

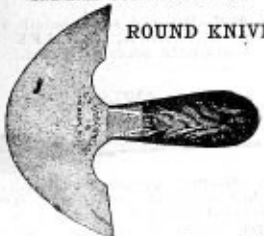
ONE-HALF DOZEN IN A BOX.



No. 75-H—4½ in., Philadelphia pattern, rosewood oval handle, brass bolster, each .....**JFE** $1.20

ONE-HALF DOZEN IN A BOX.

ROUND KNIVES.



Oval Rosewood Handle, Brass Bolster.

No. 70-H—Size, in....	5	6	6½
Each	$1.90	2.20	2.50
	AJE	ABJ	ADJ

ONE-HALF DOZEN IN A BOX.

SPRING PUNCHES.



All Steel, Extra Quality.

Nos.	154-H	155-H	156-H
Size tube, in.	4	5	6
Each	$1.30	1.30	1.30
	JHJ	JHJ	JHJ

ONE-HALF DOZEN IN A BOX.

REVOLVING PUNCHES.

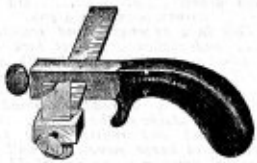


All Steel, Extra Quality, Side Spring, Screw Tubes.

No. 164-H—4 tubes.....each **AAE** $2.10
No. 166-H—6 tubes.....each **ADJ** 2.50

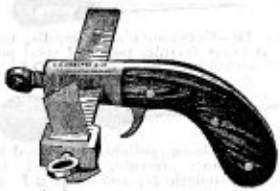
ONE-HALF DOZEN IN A BOX.

DRAW GAUGES.



No. 51½-H—Iron frame, patent hollow handle, improved ....each **AJE** $1.90

ONE-HALF DOZEN IN A BOX.



No. 52½-H—Iron frame, rosewood handle, improved .....each **ABE** $2.30

ONE-HALF DOZEN IN A BOX.

EDGE TOOLS.



Common, Polished Steel, Rosewood Handle, Brass Ferrule.

Nos. 125-H	126-H	127-H	128-H
Sizes 1	2	3	4
Each $0.30	.30	.30	.30
AG	AG	AG	AG

ONE DOZEN IN A BOX.

STITCHING HORSES.



No. 500-H—Wood jaws, no strap, w't 19 lbs. .....each **CEE** $5.60

GLASS SLICKERS.



No. 167-H—Rosewood handle, each .....**JFJ** $1.10

ONE DOZEN IN A BOX.

CARRIAGE SUNDRIES.

CARRIAGE KNOBS.



No. 3—Japanned, to drive, for double curtain, ¾ in. shank, per gross .....CE $0.60

No. 2—Japanned, to drive, for single curtain, ⅞ in. shank, per gross .....CE $0.60

No. 55—Japanned, to rivet, for single curtain, ⅞ in. shank, per gross .....DJ $0.70



No. 24—Japanned, to screw, for double curtains, hexagon base, ¾ in. screw, per gross .....JGJ $1.20

No. 475—Cast brass, polished, to drive, for double curtains, ⅞ in. shank, per gross .....BCE $3.50

ONE GROSS IN A BOX. W'T ABOUT 2¼ LBS. PER GROSS.

KNOB EYELETS.



Rear View. Front View. Ring.

For Buggy Tops and Aprons.

No. 2—1 in., japanned, enameled leather center, w't per gro. 1½ lbs., per gross .....CE $0.60

Can be attached without tools.

ONE GROSS IN A BOX.

BUGGY TOP NUTS.



No. 72.

No. 72—Japanned, imitation stitched, ⅞ in. hole, diam. 1⅛ in., w't per gro. 7 lbs.....per gross ABJ $2.00

No. 80—Japanned, imitation stitched, ⅞ in. hole, diam. 1¼ in., w't per gro. 7 lbs.....per gross AEE $2.60

NO. 72, ONE GROSS; NO. 80, ONE-HALF GROSS IN A BOX.

RUBBER TOP PROP BLOCKS.



No. 1—Moulded rubber, ⅞ in., square hole, in 2 foot lengths, w't per doz. 14 lbs.....per foot AH $0.30

STEEL SHAFT ENDS.



No. 10—Buggy size, japanned with nickel shaft tips, w't per doz. 19 lbs., per single dozen.....CJJ $5.50

No. 20—Surrey size, japanned with nickel shaft tips, w't per doz. 22 lbs., per single dozen.....DEJ $7.50

For repairing broken shafts, used also on new work to prevent breaking.



How the Shaft Looks when Finished.

This device consists of two thick steel tubes, the inner tube having a hickory filler and being pressed into the outer tube in such a way that the shafts will break in any other place than where repaired. It strengthens and being neatly japanned, gives a leather finish to new and old work and is the quickest and best way of repairing a broken shaft.

TWO DOZEN IN A CASE.

WHIFFLETREE HOOKS.



No. A70—⅜ in., malleable iron, screw shank, 3 in. long, w't per doz. prs. 1½ lbs.....per dozen pairs CD $0.56

No. B70—⅞ in. malleable iron screw shank, 3½ in. long, w't per doz. prs. 1¼ lbs.....per dozen pairs CF $0.60



Malleable Iron, Japanned, Self-Closing.

No. B80—Inches....	⅞	1	1⅛
W't, doz. prs., lbs..	6	7	8
Per dozen pairs.....	$4.00	4.00	4.40
	BDJ	BDJ	BFE

No. B80—Inches....	1¼	1⅜	1⅜
W't, doz. prs., lbs..	11	13	14
Per dozen pairs.....	$4.90	5.70	6.50
	BIE	CDJ	CIJ

ONE-HALF DOZEN PAIRS IN A BOX.

NECK YOKE CENTERS.



Nos. 41-H to 44-H.

Heavy Harness Leather, Well Made, Leather Covered Steel Neck Yoke Band, 3 Inches Wide, Secured by 3 Screws and Plate.

Nos.	41-H	42-H	43-H	44-H
Diam. of yoke band, in...	1⅝	1¾	1⅞	2
Per dozen ...	$6.00	6.00	6.00	6.00
	CCJ	CCJ	CCJ	CCJ

For carriages and spring wagon use.

ONE-HALF DOZEN IN A BOX.

AVERAGE WEIGHT TEN POUNDS.



No. 150H—"Star Security," heavy harness leather stitched on lock stitch machine, will fit any size yoke up to 2 in., complete with metal plates and rivets, w't per doz. 8 lbs., per dozen .....**EGE** $9.00

For buggies and other light vehicles.

ONE-HALF DOZEN IN A BOX.



No. 55H—"Sensible," heavy harness leather, will adjust to any size yoke up to 2 in. in diam., w't per doz. 12 lbs. .....per dozen **JGHJ** $13.00

Slip loop pattern made with wrought iron metal fastening. To adjust, slip center on the yoke at the proper place and the job is done. Desirable for carriage and spring wagon use.

ONE-HALF DOZEN IN A BOX.



No. 50H—Excelsior, extra heavy harness leather, stitched on lock stitch machine, will fit any size yoke up to 2 in., complete with metal plates and screws, w't per doz. 11 lbs., per dozen .....**JGEJ** $12.00

For carriages and spring wagon use.



No. 200H—"Iron Clad," good heavy harness leather, stitched on lock stitch machine, japanned malleable iron slip loop and pole hole plate, will fit any size yoke up to 2 in., w't per doz. 15 lbs. .....per dozen **JHCJ** $11.90

Note horse shoe shape wear plate. This increases the wearing period and also distributes the strain uniformly over the entire lower drop of center. Will not rattle as leather only comes in contact with sides of the bolt tip. For carriages and spring wagon use.



IMPROVED MONTANA, Heavy Harness Leather, Adjustable, Soft Steel Bolts, So Made that They May Be Removed without Disturbing Stitching.

No. 70H—Medium size for buggies and light rigs, will adjust up to 2 in. yoke, w't per doz. 14½ lbs., per dozen .....**JHHJ** $16.00

No. 75H—Large size for carriages and express, will adjust up to 2¼ in. yoke, w't per doz. 16 lbs., per dozen .....**AABJ** $18.70

No. 80H—Extra large size for mountain use, will adjust up to 2½ in. yoke, w't per doz. 20 lbs., per doz. **ACEJ** $22.50

ONE-HALF DOZEN IN A BOX.



IMPROVED SHUMAN, Malleable Iron, Leather Lining, Great Side, Swinging Movement, Constructed for Strength and Especially Adapted for Hard Use.

Nos.	91H	92H	93H
Width of yoke band, in. ...	2¾	3	3
Diam. of yoke band, in. ...	1⅝to1¾	1¾to1⅞	1⅞to2
Diam. of pole hole, in.	1⅛	1⅛	1⅛
W't, doz., lbs.	17½	22	23
Per dozen	$7.50	8.30	8.30
	DAE	DEE	DEE

Clasp completely embraces the wood and prevents center from working loose and sidewise movement prevents pole tip breaking.

ONE-HALF DOZEN IN A BOX.



No. 102H—Pearsons, automatically locks to pole end, malleable iron japanned, adjustable yoke clasp, 1½ to 1⅝ in., 1¼ in. leather lined pole hole, w't per doz. 25 lbs., per doz. **JFJE** $11.00

No. 103H—For heavy carriages and spring wagons, 1¼ in. yoke clasp, 1⅛ in. pole hole, w't per doz. 29 lbs., otherwise same as No. 102H, per dozen .....**JFJE** $11.00

Unsurpassed for strength, durability and perfect construction; impossible for tongue and neck yoke to become disconnected, avoiding many serious accidents.

ONE DOZEN IN A BOX.

SADDLERY HARDWARE.

NECK YOKE CENTERS.



DU GRIP, Nicely Finished, Japanned Malleable Iron, Made with Automatic Front and Back Grip.

Nos.	95-H	96-H	98-H
Diam. of yoke band, in.	1⅝to1¾	1¾to1⅞	2to2⅛
Diam. of pole hole, in.	1⅝to1¼	1¾to1½	1⅝to1¾
W't, doz., lbs.	14	14½	14½
Per dozen	$5.30	5.30	5.90
	CBJ	CBJ	CEE

ONE-HALF DOZEN IN A BOX.



ZIEGLER'S, Automatically Locks to Pole End, Malleable Iron Japanned Yoke Clasp, Bolted to Leather Lined Pole Hole.

Nos.	10-H	20-H
Diam. of yoke band, in.	1⅝	1⅞
Diam. of pole hole, in.	1½	1⅝
W't per doz., lbs.	18	20
Per dozen	$9.00	9.50
	EDJ	EGJ

Are quickly and easily attached to any neckyoke, and are practically indestructible.

ONE-HALF DOZEN IN A BOX.

NECK YOKE STIRRUPS.



No. 110—Japanned steel, double swivel steel stirrup attached by screw bolt to leather lined yoke clamp, w't per doz. prs. 14 lbs.,
per dozen pairs.....**CCJ** $5.50

The swivel stirrup being attached to the clamp by a screw bolt allows a ready and easy adjustment to any buggy or carriage neck yoke without removing or prying the staple.

ONE DOZEN PAIRS IN A BOX.

ANTI-RATTLERS.



No. 2. No. 1.

No. 2—Burton's, cold rolled steel, riveted, japanned, without bolt holder, w't per doz. prs. 1¾ lbs., per dozen pairs .....**EE** $0.90

No. 1—Burton's, cold rolled steel, riveted, japanned, with bolt holder, w't per doz. prs. 2⅝ lbs.,
per dozen pairs.....**JHE** $1.40

Made from best quality steel. Are easily inserted or taken out with a hammer without removing bolt.

ONE DOZEN IN A BOX.

ANTI-RATTLER SHAFT COUPLERS.



No. 55—Quick Shift, japanned steel spring, malleable iron shaft bolt, size of bolt ¾ in., w't per doz. prs. 8 lbs.....per dozen pairs **BDJ** $4.00

A combination shaft bolt and anti-rattler which can be very quickly applied and will hold very securely. Attaches to any style buggy working in common shaft eye and shackle.



No. 1901—Japanned steel spring and plate, w't per doz. prs. 3 lbs.,
per dozen pairs.....**JGJ** $1.20

The large coil gives great elasticity and long life. The shape of plate draws the coil to the inside when attached.

ONE DOZEN PAIRS IN A BOX.

REVONOC ANTI-RATTLER AND SHAFT COUPLERS.



REVONOC—Improved, japanned steel spring, malleable iron shaft bolt, japanned steel lever with wire clasp for ⅜ or ⅞ in. bolt, w't per doz. prs. 7½ lbs....per dozen pairs **BAJ** $3.50

A perfectly constructed shaft bolt and anti-rattler. The wire clasp is so attached that it cannot possibly come out, over-coming one of the objectionable features of the old style. Simple in operation, snaps on and off by means of the lever, making shafts and pole instantly interchangeable. Holds the shaft to the axle with a sure, snug, noiseless grip and fits any style buggy working in a common shaft eye and shackle. Requires no tools, no effort, no time to adjust.

ONE DOZEN PAIRS IN A BOX.

TRACE HOLDERS.



No. 100—Harsh, japanned steel, w't per doz. prs. 1 lb.,
per dozen pairs.....**ABJ** $2.00

ONE DOZEN PAIRS IN A BOX.

LEATHER WASHERS, UMBRELLAS AND THIRD SEATS.

LEATHER WASHERS.



Adjusable, Nut and Collar.

No. 100 [illegible]—In.	⅜	1	1¼
Per hundred	$0.27	.30	.33
	AG	AI	BB
No. 100 [illegible]—Inches....	1¾		1½
Per hundred	$0.42		.48
	BF		CA

ONE HUNDRED IN A BOX.

Adjustable, Nut and Collar.

No. 150—Cruso—In.	⅜	1	1⅛
Per hundred	$0.21	.24	.27
	AF	AH	BJ
No. 150—Cruso—Inches....	1¼		1½
Per hundred	$0.35		.41
	BD		BH

ONE HUNDRED IN A BOX.



Solid, Assorted Nut and Collar.

No. 200—For Axle, in...	⅜	1	1¼	1¼
Box, 5 sets..	$0.20	.22	.24	.29
	AF	AH	AI	BB

FIVE SETS IN A BOX.

ADVERTISING WAGON UMBRELLAS.



No. 500—Heavy drill, three panels orange and three panels white, hinge joint, ball top sockets, size 38 in., average w't 7½ lbs., extra heavy steel ribs, about 70 in. spread, complete with fixture★.....each **ADJ** $2.50

[illegible] advertisements printed on three panels of all these umbrellas, the other three blank for customers advertisement. Customer's advertisement, one form not exceeding four lines, printed no extra charge on orders for six or more.

Three different forms not exceeding four lines each $1.00 *net extra for six or more.*

Advertising Wagon Umbrellas are the means of keeping before the public, rain or shine, coming or going. It is a continuous show, it talks, always on the move. Economical advertising, returns large in comparison with the investment. Attracts the eye, leaves a lasting impression.

UMBRELLAS.



WAGON, TRUCK AND HARVESTER, Fine Tempered Spring Steel Ribs, 1½ Inch Hardwood Standards, Extra Finish, Complete with Wagon Fixtures.

No. 510—Eight 36 in. ribs, No. 2 white drill cover, about 65 in. spread, each .....**ABJ** $2.20

No. 512—Eight 36 in. ribs, No. 2 brown drill cover, about 65 in. spread, each .....**ABJ** $2.20

No. 520—Eight 38 in. ribs, No. 1 blue drill cover, about 67 in. spread, each .....**ACJ** $2.40

No. 521—Eight 38 in. ribs, No. 1 brown drill cover, about 67 in. spread, each .....**ACJ** $2.40

No. 525—Six extra heavy steel ribs, No. 1 brown drill cover, about 72 in. spread.....each **ADE** $2.60



BUGGY, Round, Complete with Fixtures.

No. 550—Tan colored drill cover with fringe.....each **DCE** $7.90

No. 551—Blue drill cover with fringe, each .....**DCE** $7.90

The most perfect round buggy umbrella ever devised. Fitted with adjustable steel standards, the working parts of which are perfect and positive in every particular. Standards are detachable from umbrella and vehicle as well, permitting the entire equipment to fold compactly and carry under the seat.

AVERAGE W'T 7½ LBS.

HARVESTER UMBRELLA ATTACHMENTS.



No. 100.....per dozen **CCJ** $6.00

This attachment consists of a malleable iron arm one end of which is to attach to the bolt of the harvester seat, the other end is fitted with a hinged jaw to hold the umbrella standard.

★*FOR FACTORY SHIPMENT ONLY.*

THIRD SEATS AND AUTO SEATS.



No. 45. No. 40.

CHICAGO.

No. 40—⅞ in. japanned steel frame with Brussels carpet top, size 9x9 in., w't per doz. 36 lbs..per dozen **EBE** $9.50

No. 45—⅞ in. japanned steel frame with Brussels carpet top, size 11x16 in., w't per doz. 50 lbs..per dozen **HJJ** $14.60

These seats are made with up-set joints making them practically indestructible.



No. 50—Japanned steel frame, top and bottom upholstered with Brussels carpet, size 10x10 in., w't per doz. 36 lbs., per dozen .....**JHHJ** $18.00

When used as a "third seat" in a vehicle, rests on the cushion without rubbing or wearing, and as it is tastily upholstered, it will not appear out of place in the finest equipage. In fact it is so artistic in design and material that when not in use in the vehicle it can be used in the home, where it makes a neat hassock or footrest and a very convenient child's chair. Folds neatly and will carry 500 lbs.



No. 11-H.



Showing Seat Folded. No. 17-H.

Folding, Japanned Steel Frame, Black Imitation Leather, Upholstered Cushioned Seats.

No. 11-H—11 in. high, 9½x9 in. seats, w't per doz. 54 lbs., per dozen .....**JIFE** $17.50

No. 17-H—17 in. high, 9½x9 in. seats, w't per doz. 65 lbs., per dozen .....**AAJJ** $20.00

Attractive and handy, very strongly made and are indispensable in buggies, carriages, automobiles, boats, camping, picnicing, etc.

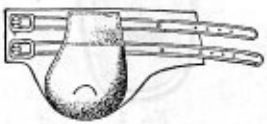
HORSE BOOTS.

ANKLE.



No. 5—Leather, per single dozen .....**AGJ** $2.40

No. 15—Leather, extra large, per single dozen .....**BFE** $3.70



No. 20.

No. 20—Leather, felt wrap, per single dozen .....**BHJ** $4.30

ONE DOZEN IN A BOX.



No. 27H—Russet leather cup, calfskin wrapper, rawhide billets, per single dozen .....**DEJ** $6.60

ONE DOZEN IN A BOX.



Black Leather Cup, Felt Wrapper, Imitation Chamois Bound, Harness Leather Straps.

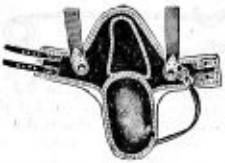
No. 22H—Medium, per single dozen .....**CJJ** $4.60

No. 23H—Large, per single dozen .....**CCJ** 5.10

No. 24H—Extra large, per single dozen .....**CHJ** 5.50

ONE PAIR IN A BOX.

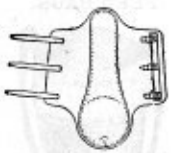
KNEE AND ARM.



No. 1161H—Light russet horse boot leather, lined with white felt or booting, with suspenders, per pair ★ .....**EAJ** $7.00

ONE PAIR IN A BOX.

SHIN AND ANKLE.

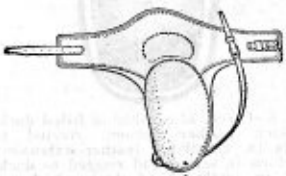


No. 1006X—Shin and ankle, felt wrapper★ .....per pair **AHJ** $2.30

No. 1002—Shin and ankle, calfskin wrapper, without elastic, per pair★ .....**BAJ** $3.00

ONE PAIR IN A BOX.

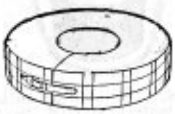
KNEE.



No. 1138—Knee, close fitting, felt lined, two billets★ .....per pair **BAJ** $3.00

ONE PAIR IN A BOX.

SHOE BOIL ROLLS.



No. 329—Shoe boil, heavy webbing, each .....**JIJ** $1.50

PACKED LOOSE.

★*FOR FACTORY SHIPMENT ONLY.*

QUARTER.



No. 17X—Close fitting, one strap, light horse boot, leather, calfskin lined, per pair★ .....**BDJ** $3.70



No. 36X—Two straps, light horse boot, leather, calfskin lined, per pair★ .....**CCJ** $4.50

ONE PAIR IN A BOX.

SOAKING, POULTICE OR LAWN BOOTS.



No. 333—Felt, soaking with sponge, frog pad .....per pair **CFJ** $6.00



No. 332—Black leather, poultice or lawn, per pair .....**DEJ** $7.50

PACKED LOOSE.

TURF GOODS AND FEED BAGS.

BANDAGES.



No. 108—Derby, white cotton, 4½ in. wide, 3 yards long,
per dozen sets .....**JFCE** $10.60
ONE DOZEN SETS IN A BOX.

TROTTING BALLS.



No. 510—Rubber, rawhide strap, per single dozen straps .....**BDJ** $4.00
PACKED LOOSE.

TAIL HOLDERS.



No. 20.



No. 25.

No. 20—Powell's, nickel plated spring steel, corrugated, rubber lined, with straps and buckle fastenings, w't per doz. 1 lb. .....per dozen **JIJ** $1.60
ONE DOZEN IN A BOX.

No. 25—Read's, nickel plated, special spring steel, lined with high grade corrugated rubber, w't per doz. 1½ lbs. .....per dozen **AFE** $3.00
Instantly attaches and never lets go, will not irritate or injure the hair.
ONE DOZEN ON ATTRACTIVE DISPLAY CARD.

HAIR PLUMES.



Red, Nickel Plated Ferrule.

Nos.	8	10	12
Length, in.	8	10	12
Per single dozen	$1.50	2.10	2.70
	JHE	AAE	AEJ
Nos.	14	16	18
Length, in.	14	16	18
Per single doz.	$2.90	3.40	3.70
	AFJ	AHE	BJE

TWO IN A PAPER WRAPPER.

BLANKET PINS.



No. 8—Heavy Wire, 3¼ in., nickel plated brass .....per dozen **CJ** $0.50
No. 10—Heavy wire, 4 in., nickel plated steel .....per dozen **AA** $0.30
SIX DOZEN IN A FOX.

WOOD SWEAT SCRAPERS.



No. 1—Hickory, 18 in. long,
per dozen .....**JIJ** $1.60
PACKED LOOSE

FEED BAGS.



No. 15—Extra large, extra heavy double filled duck, galvanized steel bottom with 6 in. ventilating extension, 1 in. heavy harness leather head strap with extensions to the lower edge of duck .....per dozen **ABEE** $21.60
AVERAGE W'T PER DOZEN, ABOUT 20 LBS.



No. 6—Large, 12 oz. double filled duck, black leather bottom, riveted to 6¼ in. ventilated leather extension, which is sewed and riveted to duck, ⅞ in. leather head strap, which extends down to the leather part and is sewed to the duck,
per dozen .....**ACAE** $21.30



No. 5—12 oz. double filled duck, black leather bottom riveted to 6¼ in. ventilated leather extension, ⅞ in. head strap, which extends down and is riveted to the leather,
per dozen .....**AACE** $18.10
PACKED LOOSE.

FEED BAGS.



No. 1900—Heavy canvas, wood bottom, with sisal rope, per dozen **BIJ** $5.30



No. 2.

No. 1—12 oz. duck, sewed russet split leather pressed bottom, leather ventilator, ⅞ in. head strap,
per dozen .....**EJE** $8.40

No. 2—12 oz. double filled duck, sewed black leather bottom, leather ventilator, ⅞ in. head strap,
per dozen .....**ECJ** $8.80
AVERAGE W'T PER DOZEN, ABOUT 20 LBS.



No. 4—12 oz., extra quality double filled duck, black leather bottom riveted to 2½ in. leather extension, leather ventilator, ⅞ in. head strap,
per dozen .....**JHFJ** $13.80



No. 7—Extra large, 8 oz. best quality double filled duck, black leather bottom riveted to 7 in. ventilated leather extension, which is sewed and riveted to the reinforced duck, 1 in leather forked head strap, which extends down to the leather part and is securely sewed to the duck,
per dozen .....**AHEJ** $27.50
PACKED LOOSE.

HARNESS SOAPS, OILS, DRESSINGS, ETC.

FRANK MILLER'S SOAP.



	No. 3.	No. 4.
No. 3—¾ lb. bars, per doz.	AEE	$2.60
No. 4—1 lb. tin boxes, per dozen	BAJ	$3.50

ONE DOZEN IN A BOX.

BONNER-MILLER HARNESS PREPARATION.



Black.

No. 16—1 lb. boxes, per dozen	AHJ	$3.00
No. 18—5 lb. boxes, per dozen	JGBJ	$12.00
No. 28—10 lb. boxes, per dozen	ADDJ	$24.00

NO. 16., TWO DOZEN; NO. 18, ONE DOZEN IN A CASE.

FRANK MILLER'S HARNESS COMPOSITION.



No. 20—Small cans, w't per doz. 16 lbs., per dozen ..... BAJ $3.50

ONE DOZEN IN A BOX.

STRAP EDGE FILLER AND FINISHER.



No. 75—Black, per doz. sticks BJ $0.80

ONE DOZEN STICKS IN A BOX.

FRANK MILLER'S HARNESS OIL.



Nos.	30	31	32
Capacity, pts.	½	1	2
W't, doz., lbs.	8	16	25
Per dozen	$3.10	5.70	8.80
	AHE	CDJ	ECJ
Nos.	33	34	
Capacity, gal.	½	1	
W't, doz., lbs.	48	105	
Per dozen	$15.80	27.60	
	JIEJ	AFEE	

ONE DOZEN IN A CASE.

FRANK MILLER'S HARNESS DRESSING.



Nos.	50	51	52
Capacity, pts.	½	1	2
W't per doz., lbs.	10	20	30
Per dozen	$3.10	4.80	8.80
	AHE	BIJ	ECJ
Nos.	53	54	
Capacity, gal.	½	1	
W't per doz., lbs.	72	125	
Per dozen	$15.80	24.00	
	JIEJ	ADDJ	

ONE DOZEN IN A CASE.

IXL HARNESS OIL.



Nos.	20	21	22
Capacity, pts.	½	1	2
W't, doz., lbs.	8	15	25
Per dozen	$2.20	3.50	5.00
	ACJ	BAJ	CJJ
Nos.	23	24	
Capacity, gal.	½	1	
W't, doz., lbs.	48	105	
Per dozen	$8.80	15.20	
	ECJ	JIAJ	

ONE DOZEN IN A CASE.

HARNESS DIPPING TANKS AND BASKETS.



Hib-Spe-Bar, 26 gauge galvanized iron tank, height over all 27½ in., height to flange 23¼ in., diam. of tank 25 in., diam. of flange 38½ in., capacity 60 gal., painted dark green, aluminum lettering, heavy tinned wire basket, height 16 in., diam. 23 in., ¼ in. rod running around top and bottom of basket, w't 43 lbs., ★each J F J J $10.00

The flange of tank is removable so that it can be set to one side when not in use.

REVONOC LIQUID HARNESS DRESSING.



Expressly prepared for dressing and finishing leather, producing a jet black finish that will not crack, smut or peel from the leather, will retain its lustre.

No. 240 REVONOC—1 pt. cans, w't per doz. 20 lbs.....per dozen BDJ $4.00
No. 241 REVONOC—1 qt. cans, w't per doz. 30 lbs.....per dozen CHE $6.40
No. 243 REVONOC—1 gal. cans, w't per doz. 120 lbs...per dozen ABJJ $20.00

NOS. 240 AND 241, THREE DOZEN; NO. 243, ONE DOZEN IN A CASE.

REVONOC HARNESS OIL BLACKING.



No. 230 REVONOC—1 pt. cans, w't per doz. 20 lbs.....per dozen BAE $3.60
No. 231 REVONOC—1 qt. cans, w't per doz. 30 lbs.....per dozen CFJ $6.00
No. 233 REVONOC—1 gal. cans, w't per doz. 120 lbs...per dozen JIFJ $16.00

A perfect combination of dye and neats foot oil, which gives the leather a jet black soft and pliable finish.

NOS. 230 AND 231, THREE DOZEN; NO. 233, ONE DOZEN IN A CASE.

REVONOC NEATS FOOT OIL.



No. 270 REVONOC—1 pt. cans, w't per doz. 15 lbs.....per dozen BDJ $4.00
No. 271 REVONOC—1 qt. cans, w't per doz. 25 lbs.....per dozen DJJ $6.70
No. 272 REVONOC—½ gal. cans, w't per doz. 59 lbs...per dozen JFDJ $10.70
No. 273 REVONOC—1 gal. cans, w't per doz. 105 lbs...per dozen AJHJ $18.00
No. 274 REVONOC—5 gal. cans, w't per doz. 624 lbs..per dozen DJCJ $67.20

For oiling, softening and preserving harness, carriage and buggy tops, boots, shoes and all articles of leather, guaranteed to be an oil of the highest quality free from adulterations.

NOS. 270 TO 271, THREE DOZEN; NO. 273, ONE DOZEN; NO. 274, ONE-TWELFTH DOZEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

CARRIAGE TOP DRESSING, AXLE OILS AND AXLE GREASE.

CARRIAGE TOP DRESSING.



Capacity, pts.	½	1	2
W't per doz., lbs.	8	13	25
Per dozen	$4.00	7.00	12.00
	BDJ	DBJ	JGBJ

Carriage top dressing is composed largely of oil, has a good wearing body, and is waterproof. Will retain its lustre. Nothing better made.



Frank Miller's.

No. 60—Capacity ½ pt., w't per doz. 9 lbs.....per dozen **CAJ** $5.20

For use on buggy and carriage tops, dashboards and curtains, also on valises and all leather articles. Renders the leather pliable, and dries quickly with fine lustre and elastic finish. A preservative coating for leather. Ready for application.

ONE DOZEN IN A CASE.

FRANK MILLER'S EDGE INK.



Dry Form.

No. 95—5 gal. kegs, w't 50 lbs., per keg .....**AGJ** $2.80

BLACK TOP EDGE INK.



No. 110—10 oz. cans.....**ADDJ** $24.00

The contents of a 10 oz. can thoroughly dissolved in 5 gallons of water produces 5 gallons of superior edge ink. Same proportion for larger quantity.

BAUM'S CASTORINE.



No. 100—Capacity 1 pt., w't per doz. 13 lbs., per doz., **BDJ** $4.00

No. 101—Capacity, 1 qt., w't per doze. 26

ONE DOZEN IN A CASE.
WE DO NOT BREAK BOXES ON AXLE GREASE.

AXLE OIL.

No. 260 REVENOC— 1 pt. cans, w't per doz. 17 lbs. per dozen, **BDJ** $4.00



Compounded expressly for light and heavy carriages, also recommended for lawnmowers, etc. Can be used in any climate.

THREE DOZEN IN A CASE.



Frank Miller's.

No. 81—1 pt. cans, w't per doz. 16 lbs., per dozen **BDJ** $4.00

No. 82—1 qt. cans, w't per doz. 29 lbs., per dozen **DBJ** $7.00

ONE DOZEN IN A CASE.

AXLE GREASE.





1 and 3 lbs. 10 and 25 lbs.

Graphite, in Tin Cans.

No. 51—1 lb., one-third gross cans in a case, w't per case 70 lbs., per gross .....**AJHJ** $16.00

No. 53—3 lb., one and two dozen cans in a case, w't per case of 2 doz. cans 90 lbs. .....per gross **BHHJ** $38.00

Extra Quality Light Axle Grease, in Four Color Lithographed Cans and Pails.

In Cans.

1 lb., one-quarter gross in a case, per gross .....**AAEJ** $19.50

3½ lb., one-sixth gross in a case, per gross .....**CJFJ** $51.00

In Pails.

10 lb., per dozen pails **JGHJ** $13.00
15 lb., per dozen pails **JIFJ** 16.00
25 lb., per dozen pails **AEFJ** 26.00

It is made from pure lubricating oils, contains no lumps, and has great wearing qualities. This grease contains a large percentage of graphite, which is unsurpassed as a lubricant. It will not run or gum, and is not affected by heat or cold. It is adapted for light and heavy wagons, drays and farm machinery. The graphite adheres to the spindle and prevents the grease from running.

AXLE GREASE.



In Boxes.

Hub Lightning...per gross **FFJ** $7.50

ONE-THIRD GROSS IN A CASE.

Frazer's.....per gross **AADJ** 13.00

ONE-QUARTER GROSS IN A CASE. W'T 55 LBS. PER CASE.



In Tin Cans.



Wagon. In Wood Pails.

Small, Frazer's, wagon, w't per can about 1½ lbs....per dozen **ADJ** $1.75

Medium, Frazer's, wagon, w't per can about 3 lbs.....per dozen **BEJ** $3.25

TWO DOZEN IN A CASE.

15 lb., Hub Lightning, per dozen pails.....**JGIJ** $10.80
25 lb., Hub Lightning, per dozen pails.....**AJHJ** 14.50
15 lb., Frazer's, wagon, per dozen pails.....**AJHJ** 12.00
25 lb., Frazer's, wagon, per dozen pails.....**AGCJ** 18.00





1 and 3 lbs. 10 and 25 lbs.

REVENOC

1 lb., one-third gross cans in a case, w't per case 70 lbs., per gross .....**JIDJ** $15.00

3 lb., one and two dozen cans in a case, w't per case of 2 doz. cans 90 lbs., per gross .....**BCFE** $36.00

In Pails.

10 lbs.....per dozen pails **JFBJ** $10.00
25 lbs.....per dozen pails **AJGJ** 18.00

It is made of pure lubricating oils, is of even consistency and will not run or gum.

It is dark color and its uniformly high fire and viscosity test combined with a good cold test insures smooth and uniform lubrication under all conditions and in all seasons.

STABLE SUNDRIES.

SPECIAL ADVERTISING ASSORTMENT BELGIUM OINTMENT.



No. 400 Assortment consists of 2 dozen No. 2, 2 oz. boxes and ½ dozen No. 6, 6 oz. boxes Belgium Ointment, w't per asst. 6 lbs., per assortment **DHJ** $8.00

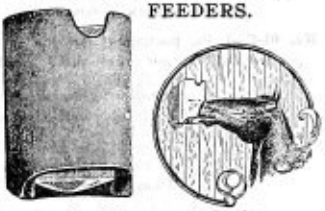
$6.00 worth for $1.00. For advertising purposes, the manufacturer of this ointment has put up a sample package.

The cost of the assortment to the dealer represents only actual cost of one dozen 25c and half dozen 50c size.

The extra dozen of 25c size is given gratis and brings the dealer $3.00 additional profit when sold.

Belgium Ointment is the only guaranteed general purpose ointment on the market—sure cure for sore shoulders or necks, barb wire cuts, etc., on horses and cattle. ONE ASSORTMENT IN A BOX.

ROTO SALT CAKES AND FEEDERS.



For Horses and Cattle.

No. 10—Roto salt cakes, w't per doz. 72 lbs.....per dozen **AFJ** $2.70

No. 20—Roto feeders, complete with wood block and screws, w't per doz. 84 lbs.....per dozen **CJJ** $5.00

Roto Salt Cakes are made from the finest table salt, guaranteed entirely free from impurity of any sort. Tremendous hydraulic pressure makes them smooth and hard as marble, consequently lasting and economical.

The Roto Feeders are made of stoneware, of a special composition, absolutely sanitary, strong, simple and the proper size to hold the salt cakes.

NO. 10, ONE DOZEN IN A BOX; NO. 20, TWO DOZEN IN A CASE.

BELGIUM OINTMENT.



No. 2—2 oz. boxes..per doz. **BDJ** $4.00

No. 6—6 oz. boxes..per doz. **DHJ** 8.00

Sure cure for sore teats on cows, or cow pox, sore shoulders or necks, barb wire cuts, kicks, etc., on horses. Will cure scratches in four days. The best general purpose ointment on the market. A guaranteed article and a ready seller.

ONE DOZEN BOXES IN A CARTON.

BICKMORE'S GALL CURE.



No. 15—2 oz. boxes, per doz. **BAJ** $3.50

No. 16—6 oz. boxes, per doz. **DBJ** 7.00

No. 17—1 lb. boxes, per dozen .....**JHDJ** 14.00

This remedy will cure galls, scratches, cuts, grease heel and all skin troubles common to horses and cattle.

NO. 15, ONE DOZEN; NO. 16, ONE-HALF DOZEN; NO. 17, ONE-QUARTER DOZEN IN A CARTON.

KITCHEL'S LINIMENT.



No. 25—1 pt. bottles, w't per dozen 22 lbs., per dozen .....**DHJ** $8.00

No. 26—1 qt. bottles, w't per doz. 48 lbs., per doz. ....**JHJJ** $13.30

This is a fine body and leg wash.

ONE DOZEN IN A CASE.

WITCH HAZEL.

Triple Alcoholic Distillate.



No. 27—1 qt. bottles, w't per doz. 46 lbs., per doz. .....**JFGJ** $11.20

No. 28—½ gal. bottles, w't per doz. 94 lbs., per doz. .....**AAEJ** $19.20

NO. 27, ONE DOZEN; NO. 28, ONE-HALF DOZEN BOTTLES IN A CASE.

HEALING POWDER.



For Man or Beast.

No. 40-H—"Williamson's" Lightning, tin box, perforated top, w't per doz. 4 lbs. .....per dozen **DHJ** $8.00

This is a disinfectant, germ killer, drying and healing powder First application takes out the pain and gives the animal ease.

Three applications cures completely. Contains no poison; no pain when applied.

ONE DOZEN IN A BOX.

BICKMORE'S HEALING POWDER



Bickmorine carries the same curative agents which have made Bickmore's the leading gall cure, and we recommend it for sale to buyers who prefer a powder to an ointment for treating harness galls, wire cuts, and other sores upon animals.

No. 5—Bickmorine, 3 oz., sprinkler top cans .....per dozen **BAJ** $3.50

ONE DOZEN IN DISPLAY CARTON.

GALL CURE.



No. 30-H—Sirenia, 4 oz. jars, w't per doz. 6½ lbs. ....per dozen **BAJ** $3.50

A preparation for healing all cuts, sores and scratches on all animals.

Especially intended for healing sore shoulders, necks and backs on horses and mules. An indespensable barn remedy.

ONE DOZEN IN A BOX.

HARNESS OR SHOE WAX.



Black, in Small Balls.

	Summer.	Winter.
Nos.	100	101
Per dozen ...	$0.30	.30
	AH	AH
Per 100	$1.20	1.20
	JGJ	JGJ

No. 104—Medium black, per dozen....**AH** $0.30 per 100 ....**JGJ** 1.20

W'T PER DOZ., ¾ LB.; PER 100, 6½ LBS.

MACHINE WAX.

No. 110—Black, in 1 lb. balls, per pound .....**JG** $0.12

SPONGES.

Thoroughly Washed.

No. 30—Cuba grass, 6 to 8 to a lb., per pound .....**JIJ** $1.50

No. 31—Cuba grass, 10 to 12 to a lb., per pound .....**JIJ** $1.50

No. 32—Florida yellow, 6 to 8 to a lb., per pound .....**BAE** $3.00

No. 20—Cuba sheep wool, 6 to 8 to a lb.....per pound **CIJ** $6.50

No. 21—Cuba sheep wool, 10 to 12 to a lb.....per pound **CIJ** $6.50

Very strong soft and free from grit.

METAL POLISH, CLEANING COMPOUNDS AND CHAMOIS SKINS.

REVONOC METAL POLISH.



Nos.	70-C	75-C	80-C
Capacity, pts.	¼	½	1
W't per case, lbs.	14	18	34
Per dozen	$1.70	2.50	3.60
	AJJ	AEJ	BAE

Nos.	85-C	90-C
Capacity, gal.	¼	1
W't per case, lbs.	36	70
Per dozen	$5.70	16.00
	CDJ	JIFJ

REVONOC *cleans and polishes all metals quickly and easily. Articles cleaned with* REVONOC *metal polish holds a high lustre unusually long, non-explosive. Government bids now specify non-explosive polish. Some states have legislated against the explosive polish, and it cannot be shipped by freight without large red label attached, bearing the word inflammable.* REVONOC *polish will not burn. Antiseptic, contains no acid. Absolutely uninjurious, cleans the finest articles without injury. Will soften and heal the hands. Especially recommended for automobilists, engineers, mechanics, housekeepers, hotels, restaurants, fire departments, stove dealers, sporting goods dealers.*

NO. 70-C, THREE DOZEN; NOS. 75-C AND 80-C, TWO DOZEN; NO. 85-C, ONE DOZEN; NO. 90-C ONE-HALF DOZEN IN A CASE.

METAL POLISH.



Nos.	94-C	95-C	96-C	97-C
Cap., pts.	¼	½	1	2
W't, case, lbs.	13	13½	27½	28
Per dozen	$1.50	2.50	4.00	7.00
	JIJ	AEJ	BBJ	DBJ

Nos.	98-C	99-C	100-C
Capacity, gal.	½	1	5
W't, cases, lbs.	95	65	62
Per dozen	$11.00	18.00	66.00
	JFFJ	AJHJ	CIFJ

cleans and shines like magic. A few brisk rubs will remove all tarnish and stains and produce a beautiful lustre which lasts unusually long. Contains no acid or ammonia. Will not injure fine wood work or loosen or affect screws. Absolutely pure and non injurious. Recommended for brass, copper, zinc, nickel, stove trimmings and all metals exposed to outdoors, except gold or silver.

NO. 94-C, THREE DOZEN; NOS. 95-C AND 96-C, TWO DOZEN; NO. 97-C, ONE DOZEN; NOS. 98-C AND 99-C, ONE-HALF DOZEN IN A CASE; NO. 100-C, PACKED LOOSE.

CHAMOIS SKINS.



No. 22½—Size 10x13 in., per dozen ..... **BAJ** $2.26

No. 23½—Size 12x16 in., per dozen ..... **CFJ** 4.00

No. 24¾—Size 15x20 in., per dozen ..... **FJJ** 6.50

No. 26—Size 19x25 in., per dozen ..... **JICE** 10.00

No. 27—Size 23x26 in., per dozen ..... **ADBJ** 14.70

ONE KIP (2½ DOZEN) IN A BOX. AVERAGE W'T PER KIP 3 LBS.

CLEANING AND POLISHING COMPOUNDS.



No. 125-H.



No .01-C.

No. 125-H—Powdered, perforated top, w't per doz. 12 lbs., per dozen ..... **AEJ** $2.50

Especially adapted for polishing and cleaning all fixtures found in saloons, breweries, restaurants, hotels and kitchens.

FOUR DOZEN IN A BOX.

No. 01-C—1 lb. packages, powder, w't per doz. 12 lbs., per dozen **AHJ** $3.00

For cleaning and polishing nickel, copper, brass, zinc, bar fixtures and general household articles.

THREE DOZEN IN A CASE. W'T ABOUT 43 LBS.



No. 50-C.



No. 60-C.

No. 50-C—4 oz. bottles, liquid, w't per doz. 7 lbs.....per dozen **JIJ** $1.50

For cleaning and polishing gold, silver, nickel, brass, copper, tin, etc. Contains nothing injurious to any metal.

ONE DOZEN I NA CARTON; THREE DOZEN IN A CASE.

No. 60-C—½ pt. tin cans, liquid, w't per doz. 6½ lbs. ....per dozen **AEJ** $2.50

ONE DOZEN IN A CASE.

METAL POLISH.

MEXOLINE.



White Liquid.

No. 120-H—½ pt. cans, w't per doz. 7 lbs. .....per dozen **AAE** $1.90

No. 122-H—1 pt. cans, w't per doz. 13 lbs. .....per dozen **BCJ** $3.80

No. 124-H—1 qt. cans, w't per doz. 26 lbs. .....per dozen **CFE** $6.10

For cleaning and polishing signs, railings, band instruments, nickel, zinc, copper and other metals. Contains no poisons or acids.

ONE DOZEN IN A BOX.

SOLARINE.



White Liquid.

No. 150-H—1-6 pt. cans, w't per doz. 3 lbs. .....per dozen **JIJ** $1.50

No. 152-H—½ pt. cans, w't per doz. 7 lbs. .....per dozen **AEJ** $2.50

No. 154-H—1 pt. cans, w't per doz. 13 lbs. .....per dozen **BDJ** $4.00

No. 156-H—1 qt. cans, w't per doz. 26 lbs. .....per dozen **CGJ** $6.20

No. 158-H—½ gal. cans, w't per doz. 60 lbs. .....per dozen **JFGJ** $10.50

No. 160-H—1 gal. cans, w't per doz. 110 lbs. .....per dozen **ABJJ** $18.00

For polishing gold, silver, brass, nickel, tin, etc. Contains neither grease, grit, acid or poison and will not injure the most delicate surface.

NOS. 150-H AND 152-H, ONE-HALF GROSS; NO. 154-H, ONE-QUARTER GROSS; NO. 156-H, ONE DOZEN; NO. 158-H AND 160-H, ONE-HALF DZZEN IN A CASE.

BLACK SILK.



Nos.	60-H	70-H	80-H
W't, doz., lbs.	5	13	26
Per dozen	$2.00	4.50	7.50
	AAE	BDH	DCB

Nos.	90-H	100-H
W't per doz., lbs.	60	120
Per dozen	$14.00	24.00
	JHJE	ACHJ

NO. 60-H, THREE DOZEN; NOS. 70 AND 80, ONE DOZEN; NOS. 90 AND 100, ONE-HALF DOZEN IN A CASE.

Nos. 90-H and 100-H cans have side handles, balance screw tops.

For cleaning brass, nickel, silverware and tinware, makes a brilliant and lasting luster. Will not settle or get hard in bottom of can. No acids or chalks are used in making, thus it is dustless and will not injure the most delicate surface, has no equal for use on automobiles.

BURNISHINE.



White Liquid.

No. 2-C—¼ pt. cans, w't per doz. 4½ lbs. .....per dozen **JIJ** $1.50

No. 3-C—½ pt. cans, w't per doz. 6 lbs. .....per dozen **AEJ** $2.50

No. 4-C—1 pt. cans, w't per doz. 9 lbs., per dozen .....**BDJ** $4.00

No. 5-C—1 qt. cans, w't per doz. 24 lbs., per dozen .....**DBJ** $7.00

No. 6-C—2 qt. cans, with bail, w't per doz. 51 lbs. ..per dozen **JGBJ** $12.00

No. 7-C—1 gal. cans, with bail, w't per doz. 96 lbs.....per dozen **ABJJ** $20.00

For cleaning and polishing brass, copper, nickel, zinc, tin and all metals. Contains nothing injurious to any metal.

NO. 2-C, SIX DOZEN; NO. 3-C, THREE DOZEN; NO. 04-C TWO DOZEN; NOS. 5-C AND 06-C, ONE DOZEN; NO. 7-C, ONE-HALF DOZEN IN A CASE.

PUTZ POMADE.



Genuine Red Paste Polish.

No. 01½-C—1¼ oz. boxes, w't per doz. 1 lb. .....per dozen **CJ** $0.50

No. 04-C—3¼ oz. boxes, w't per doz. 2 lbs. .....per dozen **EJ** $0.80

No. 06-C—4 oz. boxes, w't per doz. 3 lbs. .....per dozen **JIE** $1.60

No. 012-C—½ lb. boxes, w't per doz. 6 lbs. .....per dozen **AIE** $3.20

No. 016-C—1 lb. boxes, w't per doz. 12 lbs. .....per dozen **BGJ** $4.50

NO. 01½-C, TWO DOZEN; NOS. 04-C AND 06-C, ONE DOZEN IN A BOX; BALANCE IN BULK.

MATCHLESS.



White Paste.

No. 17-H—3 oz. boxes, w't per doz. 1¼ lbs. .....per dozen **EE** $0.96

No. 18-H—½ lb. boxes, w't per doz. 6 lbs. .....per dozen **AEJ** $2.50

No. 19-H—1 lb. boxes, w't per doz. 12 lbs. .....per dozen **BEJ** $4.80

NO. 17-H, THREE DOZEN; NOS. 18-H AND 19-H, ONE DOZEN IN A BOX.

NON SUCH.



Black Paste.

No. 20-H—3 oz. boxes, w't per doz. 1¼ lbs. .....per dozen **JFJ** $1.00

No. 21-H—½ lb. boxes, w't per doz. 6 lbs. .....per dozen **AFJ** $2.70

No. 22-H—1 lb. boxes, w't per doz. 12 lbs. .....per dozen **BHJ** $4.70

ONE DOZEN IN A BOX.

CURRY COMBS.



No. 000—Japanned steel, open back, 6 bars, red stained handle, w't per doz. 4½ lbs. .....per dozen **CE** $0.60

LOOSE.



No. 11½—Lacquered steel, closed back, shank run through enameled handle and riveted, 5 bars, w't per doz. 5½ lbs. .....per dozen **JFE** $1.16



No. 605—Lacquered steel, open back, 6 bars, enameled handle, w't per doz. 5½ lbs. .....per dozen **JGJ** $1.30



No. 20—Lacquered steel, open back, shank run through enameled handle and riveted, 6 bars, w't per doz. 6½ lbs. .....per dozen **JHJ** $1.44



No. 620—Lacquered steel, closed back, 6 bars, enameled handle, w't per doz. 7½ lbs. ..... per dozen **JGE** $1.40

ONE DOZEN IN A BOX.

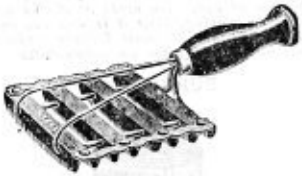


Cruso, eight bar, lacquered steel, closed back, black enameled handle with brass ferrule, w't per doz. 6½ lbs., per dozen .....**JHE** $1.50

Back and shank made from one piece cold rolled steel.



No. 60—Lacquered steel, closed back, steel wire shank run through enameled handle and riveted, 6 bars, w't per doz. 8 lbs.....per dozen **JIE** $1.70



No. 321—Lacquered steel, open back, wire shanks run through enameled handle and riveted, 8 bars, w't per doz. 7½ lbs.....per dozen **AJJ** $1.80

No. 1321—Lacquered steel, 8 bars, open back, coppered steel wire shanks, bars and side knockers of finest cold rolled steel, carmine handles, steel ferrules, w't per doz. 7 lbs., per dozen .....**JIJ** $1.80

A dandy 10 cent leader.

ONE DOZEN IN A BOX.



No. 399—Lacquered steel, closed back with mane comb, shank run through black enameled handle and riveted, 8 bars, w't per doz. 9 lbs., per dozen .....**ABJ** $2.00

TWO DOZEN IN A BOX.



Hib-Spe-Bar, eight bars, lacquered steel, closed back, shank run through black enameled handle and riveted, brass ferrule, w't per doz. 9 lbs., per dozen .....**AJE** $1.90

Back and shank made from one single piece of the finest cold rolled steel, extra heavy. The shank is reinforced at the back by heavy steel brace extending half way through length of the handle.



No. 1532—Lacquered steel, closed back, with mane comb, shank run through enameled handle and riveted, 6 bars, w't per doz. 7½ lbs., per dozen .....**AAJ** $2.00



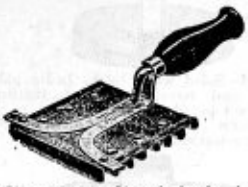
No. 50—Lacquered steel, closed back, wire shanks run through enameled handle and riveted, 8 bars, w't per doz. 8½ lbs. ....per dozen **AAJ** $2.00



No. 315—Lacquered steel, open back, with mane comb, shank run through enameled handle and riveted, 6 bars, w't per doz. 7½ lbs., per dozen .....**AAJ** $2.00

ONE DOZEN IN A BOX.

CURRY COMBS.



No. 540 REVERSIBLE—Closed back, heavy brace knockers, shank run through black enameled handle and riveted, 8 bars, lacquered steel, extra heavy, w't per doz. 9 lbs., per dozen .....**ABJ** $2.20

No. 545 REVERSIBLE—8 bars, japanned steel, tinned shank and brace, extra heavy, w't per doz, 9 lbs., otherwise same as No. 540 .....per dozen **ADE** $2.60



No. 530—Closed back, heavy brace knockers, shank run through black enameled handle and riveted, 8 bars, lacquered steel, w't per doz. 8 lbs., per dozen .....**AAJ** $2.00



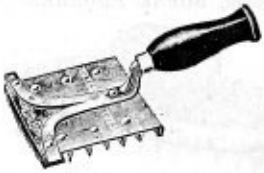
Sherad—Eight bars, sherardized, closed back, heavy brace and knocker, shank running through black enameled handle and riveted, w't per doz. 9 lbs.. per dozen .....**AFE** $3.00

This is something entirely new in a rust proof finish. A beautiful silver gray, very attractive.



No. 44—Closed back, self cleaning, shank run through black enameled handle and riveted, 8 bars, lacquered steel, w't per doz. 10½ lbs., per dozen .....**AGE** $3.20

ONE DOZEN IN A BOX.



SEVEN—Eight bars, japanned cold rolled steel, extra heavy tinned wrought steel shanks and brace, turned knockers, shank driven clear through black enameled handle and riveted, brass ferrule, w't per doz. 10½ lbs. .....per dozen **AGE** $3.20

Represents the highest standard in a rigid close back comb. Made from best material obtainable.



No. 105—Spring steel, closed back, with mane comb shank run through black enameled handle and riveted, 8 bars, lacquered, w't per doz. 9 lbs., per dozen .....**AHE** $3.40



No. 110—Spring steel, closed back, with rubber shedder, shank run through black enameled handle and riveted, 8 bars, lacquered, w't per doz. 9 lbs., per dozen .....**BJJ** $3.60



No. 150—Two-Bits, Duplex, 3 shallow corrugated cold rolled steel trays, riveted, tinned and bronze lacquered, heavy russet leather hand strap, w't per doz. 5½ lbs., per dozen, **ADE** $3.50

Will clean with equal thoroughness a short coat or the long, furry coat of the winter season. The smallest part of the coat cannot escape the many teeth, which, however, will not irritate the most sensitive skin, nor will they tear or injure the horse.

Self cleaning, no facilities for storage of hair.

ONE DOZEN IN A BOX.



Improved Arc.

No. 21—Reversible shank run through black enameled handle and riveted, four blued steel circular wave bars, extra brace riveted to the inside of the outside bar, w't per doz. 7 lbs., per dozen .....**BBJ** $4.00

No. 021—Solid brass, otherwise same as No. 21 .....per dozen **BGE** $5.00

A flexible and humane comb. Made of a high grade cold rolled spring steel nicely finished. All horsemen pronounce it the best and most practical comb obtainable.



Improved Arc.

No. 25—Reversible shank run through black enameled handle and riveted, four blued steel circular bars, extra brace riveted to inside of outside bar, w't per doz. 7 lbs., per dozen .....**BJE** $3.75

No. 025—Solid brass, otherwise same as No. 25 .....per dozen **BBJ** $4.00

Note wave teeth feature on one side. This makes it easy on the animal. Made of high grade cold rolled spring steel, nicely finished.



No. B—Reversible, shank run through black enameled handle and riveted, 4 blued steel circular bars, w't per doz. 7 lbs. .....per dozen **BJJ** $3.60

No. 015—Solid brass, otherwise same as No. B .....per dozen **BBJ** $4.00

ONE DOZEN IN A BOX.

MANE COMBS, CARDS AND BRUSHES

MANE COMBS.

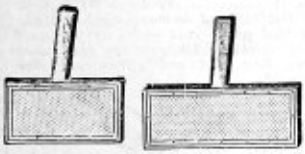


No. 21H—4½x2½ in., hard rubber, w't per doz. ½ lb...per dozen **AEJ** $2.70

No. 25H—5x3 in., extra heavy hard rubber, w't per doz. 1 lb., per dozen .....**BFJ** $4.70

ONE DOZEN IN A BOX.

CURRY AND HORSE CARDS.



No. 04. No. 02.

No. 04—Curry, 5¼x3½ in., leather board, w't per doz. 5 lbs., per dozen .....**JGJ** $1.16

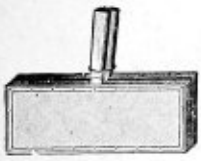
No. 4—Curry, 5¼x3½ in., leather, w't per doz. 5 lbs., per dozen **AAJ** $1.70

TWENTY-FOUR DOZEN IN A CASE.

No. 02—Horse, 8¼x3½ in., leather board, w't per doz. 6 lbs., per dozen .....**JIE** $1.44

No. 2—Horse, 8¼x3½ in., leather, w't per doz. 6 lbs., per dozen .....**ABE** $2.00

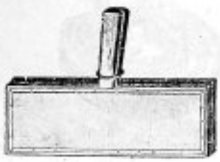
WOOL CARDS.



No. 8—9¼x4¼ in., w't per doz. prs. 20 lbs. ....per dozen pairs **DHJ** $7.00

ONE DOZEN PAIRS IN A CASE.

COTTON CARDS.



No. 10—10½x4½ in., w't per doz. prs. 20 lbs. ....per dozen pairs **FBE** $9.90

ONE DOZEN PAIRS IN A CASE.

REVONOC HORSE BRUSHES.



No. 509H REVONOC—W't per doz. 14 lbs., per dozen .....**BFJ** $4.50

No. 519H REVONOC—W't per doz. 14 lbs., per dozen .....**BFJ** $4.50

No. 513H REVONOC—W't per doz. 14 lbs., per dozen .....**BAE** $3.70

See below for complete description.

REVONOC HORSE BRUSH ASSORTMENTS.



No. 25 REVONOC—Assortment contains three brushes especially designed for the care of the horse's body, mane and tail, legs and hoofs, in compact and attractive form, satin finish solid wood backs, size 4¼x9¼ in., stock cut 1¼ in. long, oval face, embossed harness leather straps, w't per doz. 35 lbs.....per dozen asst. **JFJE** $11.00

Assortment Consists of the Following.

No. 509H REVONOC Body Brush—Is of palmico fibre, a combination of palmetto, tampico and bassine, which makes a very pliable though tough and serviceable stock, especially desirable for cleaning the horse's body after currying, leaving the hide in smooth, healthy condition.

No. 519H REVONOC Mane and Tail Brush—Is of what is termed a "marble or union fibre" because of its marble color and is produced from palmyra, bassine and tampico. The bassine and tampico being uniformly distributed throughout the entire brush giving it the desired stiffness for use on the mane and tail.

No. 513H REVONOC Hoof and Leg Brush—Is of a combination of palmyra and bassine, making a very stiff stock which can be used effectively in cleaning the mud from the legs and hoofs.

ONE ASSORTMENT IN AN ATTRACTIVELY LABELED BOX, SUITABLE FOR COUNTER DISPLAY; FOUR DOZEN ASSORTMENTS IN A CASE.

WOOD BACK BRUSHES.



No. 100H—Solid wood back, India palmyra and bassine, patent leather strap, w't per doz. 6. lbs., per dozen .....**ADE** $1.90

ONE-HALF DOZEN IN A BOX.



No. 15H—2¼x7 in., varnished wood back, India palmyra fibre, w't per doz. 8 lbs. .....per dozen **ACE** $1.80



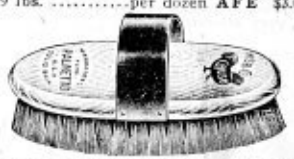
No. 512-H—Two-Bits, oval, 7½x4½ in., varnished solid polished wood back, plain harness leather hand strap, India palmyra and bassine, w't per doz. 9 lbs. .....per dozen **BJJ** $3.20

ONE-HALF DOZEN IN A BOX.

PURE PALMETTO HORSE BRUSHES.



No. 20H—11-a-noy, satin finish, solid wood back, patent leather hand strap, size of face 7x2¾ in., w't per doz. 9 lbs. .....per dozen **AFE** $3.00



No. 30H—Cruso, satin finish, solid wood back, patent leather hand strap, size of face 8½x3¼ in., w't per doz. 10¼ lbs. .....per dozen **BJE** $3.70



No. 40H—Hib-Spe-Bar, satin finish, solid wood back, size of face 10¼x3½ in., w't per doz. 10 lbs., per dozen .....**BJE** $3.70

ONE-HALF DOZEN IN A BOX.

HORSE BRUSHES.

WOODEN BACK.



No. 150-H—Spider, satin finish, solid wood back, genuine bassine fibre, cut full one-half inch embossed black harness leather hand strap, size 7½x 4 in., w't per doz. 12 lbs., per dozen .....**BEI** $4.50

ONE-HALF DOZEN IN A BOX; SIX DOZEN IN A CASE.



No. 10H—**Cruso**, solid wood back, best grade bassine palmyra fibre trimmed penetrating, w't per doz. 8 lbs., per dozen .....**ADJ** $2.50

The stock in this brush is so trimmed as to make it penetrating, combining curry comb and brush. It makes a dandy mud brush for the horse or cow or for general stable and dairy use.

ONE-HALF DOZEN IN A BOX.



No. 60-H—Solid wood back, palmyra fibre, size 8x2½ in., stock cut 2 in. clear of the block, w't per doz. 6 lbs., per dozen .....**BAJ** $3.50

No. 65-H—Stiff bassine fibre, otherwise same as No. 60-H, per doz. **CJJ** $5.00

ONE-HALF DOZEN IN A BOX.

ROOT.



No. 201H—Dandy, plain solid wood back, imitation palmetto fibre, size 10½x3 in., w't per doz. 9 lbs., per dozen .....**AGE** $2.70

ROOT.



No. 205H—Dandy, varnished wood back, leather shields on side, fine quality rice root, size 11x3¼ in., w't per doz. 9 lbs. .....per dozen **CCJ** $5.50

ONE-HALF DOZEN IN A PACKAGE.



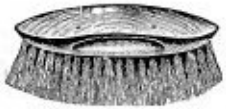
No. 805H—Solid wood back, leather shields on side, heavy palmyra fibre, size 10¾x4½ in., w't per doz. 12 lbs., per dozen .....**BEE** $4.20

ONE DOZEN IN A BOX.



No. 810H—Solid wood back, leather shields on side, long pliable bassine fibre, size 10¾x4¼ in., w't per doz. 12 lbs. .....per dozen **DCE** $7.20

ONE DOZEN IN A BOX.



No. 3XH—Dandy, medium size, varnished wood back, extra fine quality rice root, size 8x3½ in., w't per doz. 6½ lbs. .....per dozen **CIE** $7.20

ONE-HALF DOZEN IN A PACKAGE.



No. 7000H—Dandy, varnished wood back, leather shields on side, extra heavy and fine rice root, hand drawn, size 11x3¾ in., w't per doz. 11 lbs., per dozen .....**EGE** $8.00

ONE-HALF DOZEN IN A PACKAGE.

ROOT.



No. 049H—Dandy, varnished solid wood back, extra quality rice root, hand drawn, size 11¼x4½ in., w't per doz. 13 lbs. .....per dozen **JFFJ** $12.00

ONE-HALF DOZEN IN A PACKAGE.

STEEL WIRE AND COMBINATION WIRE AND FIBRE.



No. 115H—Black leather strap, wood back, tempered steel wires, very pliable, size of face 7¾x4 in., w't per doz. 6 lbs. ....per dozen **JFFJ** $12.00

ONE IN A BOX.

No. 114H—Oval, black leather strap, solid wood back, fine pliable carbon steel wire and selected black fibre center, size of face 7¾x4 in., w't per doz. 6 lbs. .....per doz. **JGAE** $13.00



No. 215H—Dandy, varnished wood back, tempered steel wires, very pliable, size of face 9x2½ in., w't per doz. 9 lbs. .....per dozen **JFFJ** $12.00

No. H315—Dandy, fine plated carbon steel wire center, selected black fibre, strap, casing, size of face 9x2⅝ in., w't per and doz. 8 lbs.....per dozen **JFFJ** $15.0 't per

The wire is fixed uniformly with t $60.00 *fibre throughout the body of the br making it very pliable, yet penetra and especially desirable for hard se*

ONE DOZEN IN A BOX.

HORSE BRUSHES.

LEATHER BACK.



No. 22—Cruso, W't per doz. 9 lbs., per dozen .....**BGE** $4.50

No. 23—Cruso, w't per doz. 9 lbs., per dozen .....**BIJ** $4.80

No. 21—Cruso, w't per doz. 9 lbs., per dozen .....**CJJ** $5.00

For complete description, see below.

Every article branded GYD is made with an accurate knowledge of requirements by the most skilled workmen.

Divided efforts seldom result in success. Concentrate on one brand of guaranteed quality—GYD

No. 10
20 lbs
40

LEATHER BACK.



No. 059H—Plain red back, plain leather strap, black tampico center, white border, size 8½x4¼ in., w't per doz. 5 lbs. .....per dozen **AEE** $2.50



No. 094-H—Two-Bits, red back, embossed hand strap, mixed center, white border, size 8½x4¼ in., w't per doz. 5 lbs. .....per dozen **BBE** $3.70

No. 0112H—Embossed black leather back, embossed russet leather hand strap, mixed gray tampico with white border, size 9x4⅝ in., w't per doz. 8 lbs. .....per dozen **BGE** $4.50



No. 0108H—Embossed red leather back, embossed russet leather hand strap, imitation paint stumps center, white border, size 8½x4¼ in., w't per doz. 7½ lbs. .....per dozen **CFE** $6.00

No. 0120H—Red leather back, russet leather hand strap, imitation yellow Okatka bristle, oval face, size 9x5 in., w't per doz. 8 lbs., per dozen .....**DEJ** $7.50

ONE-HALF DOZEN IN A BOX.



No. 0219H—Army pattern, embossed black leather back and black harness leather hand strap, mixed gray center, black bristle border, size 8½x4¼ in., w't per doz. 9 lbs., per dozen .....**CIE** $6.50

LEATHER BACK.



No. 0119H—Embbossed plum leather back, broad shaped russet leather hand strap, mixed gray tampico center with white bristle border, size 9x5 in., w't per doz. 10 lbs., per dozen .....**DHE** $8.00



No. 0118H—Red embossed russet grain leather back, broad hand strap, pure Chinese black bristles, size 8½x4⅝ in., w't per doz. 7½ lbs., per dozen .....**JFCJ** $10.50



No. 0364H—Embossed black leather back, broad shaped black leather hand strap, gray tampico oval face, size 9x5 in., w't per doz. 11 lbs., per dozen .....**EDE** $9.00

HORSE BRUSHES.

LEATHER BACK.

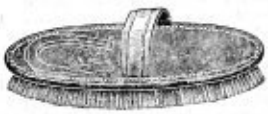


RIVETED

No. 045H RIVETED—Flat face, flexible brush, good size, oval shape, 15 rows good quality pure black Chinese bristles, finished with best quality russet leather back and curved shape straps, size 8½x4½ in., w't per doz. 7¼ lbs. .....per dozen **JGBE** $13.00



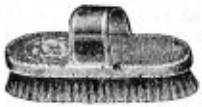
No. 01450H—Embossed red grain leather back, broad shaped russet leather hand strap, pure Chinese black bristles, oval face, size 8½x4½ in., w't per doz. 8 lbs., per dozen **JHAE** $13.50



No. 0210H—Embossed russet grain leather back, russet leather hand strap, alternate rows Russian yellow and Chinese black bristles, size 8¼x4½ in., w't per doz. 8¼ lbs., per dozen .....**JHDE** $14.00

ONE-HALF DOZEN IN A BOX.

LEATHER BACK.



No. 01020H—Army pattern, embossed russet sole leather flexible back, plain russet grain leather hand strap, pure Chinese black bristles, size 7x3¼ in., w't per doz. 5½ lbs., per dozen .....**AJIJ** $18.00



No. 0415H—Embossed russet grain leather back, broad shaped russet grain leather hand strap, pure Chinese black bristles, very stiff, size 9x5 in., w't per doz. 10 lbs., per doz. **AJIJ** $18.00



No. 0443H—Army pattern, russet sole leather flexible back, broad shaped russet grain leather hand strap, pure Chinese black bristles, thread and wire stitched, size 8½x4 in., w't per doz. 8 lbs.....per dozen **ACCJ** $23.00

ONE-HALF DOZEN IN A BOX.

LEATHER BACK.



No. 055H RIVETED—Oval shape, flat face, large size, special penetrating horse brush, alternate tufts of black and white superior quality Chinese bristles, heavy harness leather back with harness leather buckle strap, size 8½x4½ in., w't per doz. 12 lbs., per dozen .....**AHAE** $30.00



No. 065H [illegible]—Solid sole leather flexible Army pattern, large size, stiff, penetrating paint stump bristles, finest quality russet leather back and curved shape strap, back sewed with one row thread and one row wire, size 8½x4½ in., w't per doz. 12 lbs., per dozen .....**BBDJ** $37.00



No. 075H [illegible]—Large size, oval shape, solid sole leather back, flexible brush, 19 rows of the very best quality long, stiff butt yellow Russian bristles, heavy sole leather back and russet leather adjustable buckle strap, back sewed with one row thread and one row wire, size 9x4¾ in., w't per doz. 15 lbs. ...per dozen **CFCJ** $60.00

ONE IN A BOX.

BUGGY WHIP ASSORTMENTS.

No. 150—Assortment consisting of 29 buggy whips of 10 different stock patterns ranging in retail value from 10 cents to $1.35 each, and including 12 in. whip rack with places for 10 whips, shipping w't 19 lbs., per assortment, total retail value **EDJ** $9.20

6 only No. 49, buggy, 5½ ft., rattan, assorted colors..... .60
3 only No. 51, buggy, 6 ft., rattan, assorted colors..... .45
3 only No. 52, buggy, 6 ft., rattan, black, nickel plated head. .60
3 only No. 56, buggy, 6 ft., rattan, assorted black and wine. .75
3 only Cruso, buggy, 6 ft., rattan, black ..... .75
3 only No. 62, buggy, 6 ft., rattan, black, gilt head and ferrule ..... .90
2 only No. 64, buggy, 6 ft., one piece rattan, assorted colors... .70
2 only No. 68, buggy, 6 ft., stocked Java, black, loaded butt, rubber cushioned cap, 2 chased ferrules 1.00
3 only No. 78, buggy, 6 ft., rawhide center entire lgth., black, 2.10
1 only No. 1001, 6 ft., Calcutta rawhide 1.35

29 Total $9.20

No. 250—Assortment consisting of 52 buggy whips of 14 different stock patterns ranging in retail value from 10 cents to $1.50 each, and including 18 in. whip racks with places for 14 whips, shipping w't 28½ lbs., per assortment .....**ABIJ** $21.50

12 only No. 49, buggy, 5½ ft., rattan, assorted colors..... 1.20
6 only No. 51, buggy, 6 ft., rattan, assorted colors..... .90
3 only No. 52, buggy, 6 ft., rattan, black, nickel plated head. .60
3 only No. 56, buggy, 6 ft., rattan, assorted black and wine.. .75
3 only Cruso, buggy, 6 ft., rattan, black, chased nickel plated head and ferrule..... .75
3 only No. 62, buggy, 6 ft., rattan, black, gilt head and ferrule ..... .90
3 only No. 64, buggy, 6 ft., one piece rattan, assorted colors.. 1.05
3 only No. 66, buggy, 6 ft., best quality rattan, black, loaded butt, rubber cushioned caps.. 1.35
3 only No. 68, buggy, 6 ft., stocked Java, black, loaded butt.... 1.50
6 only No. 78, buggy, 6 ft., rawhide center entire lgth., black. 4.20
3 only N. 87, buggy, 6½ ft., rawhide center half length, black, 1¼ in. nickel plated head, ten ¾ in. nickel plated ferrules... 3.00
2 only No. 92, buggy, 6½ ft., best quality rawhide center half length, black, 2⅝ in. chased nickel plated head, 7 fancy nickel plated ferrules..... 2.50
1 only No. 96, buggy, 6½ ft., rawhide center one-half length, vulcanized rubber lined, black rubber cap 1.30
1 only **CYCLONE**, buggy, 6 ft., extra heavy rawhide 1.50

52 Total $21.50

No. 350—Assortment consisting of 70 buggy whips of 19 different stock patterns, ranging in retail value from 10 cents to $2.25 each, and including circular whip rack with places for 60 whips, shipping w't 36 lbs., per assortment....retail value **BJAE** $31.80

12 only No. 49, buggy, 5½ ft., rattan, assorted colors..... 1.20
6 only No. 51, buggy, 6 ft., rattan, assorted colors..... .90
6 only No. 52, buggy, 6 ft., rattan, black, nickel plated head. .60
3 only No. 56, buggy, 6 ft., rattan, assorted colors, nickel plated head and ferrule..... .60
6 only Cruso, 6 ft., rattan, black, chased nickel plated head and ferrule ..... .75
3 only No. 62, buggy, 6 ft., rattan, black, gilt head and ferrule ..... .90
3 only No. 64, buggy, one piece rattan, assorted colors..... 1.05
3 only No. 66, buggy, 6 ft., best quality rattan, black, loaded butt, rubber cushioned cap... 1.35
2 only No. 68, buggy, 6 ft., stocked Java, black, loaded butt, rubber cushioned cap, 2 chased ferrules 1.00
2 only No. 50-BB, buggy, 6 ft., Calcutta rawhide 1.00
3 only No. 72, buggy, 6 ft., best quality stocked Java, black, buckskin lined, rubber cap.... 2.10
6 only No. 78, buggy, 6 ft., rawhide center entire lgth., black. 4.50
3 only No. 82, buggy, 6 ft., rawhide center entire length, loaded butt 2.25
3 only No. 1001, buggy, 6 ft., Calcutta rawhide 2.40
3 only No. 1251, buggy, 6½ ft., Calcutta rawhide center..... 2.25
3 only No. 87, buggy, 6½ ft., rawhide center half length, black, 1¼ in. nickel plated head, ten ¾ in. nickel plated ferrules 3.00
1 only No. 92, buggy, 6½ ft., best quality rawhide center half length, black, 2⅝ in. chased nickel plated head, 7 fancy nickel plated ferrules..... 1.20
1 only **CYCLONE**, buggy, 6 ft., best quality rawhide center..... 1.15
1 only **CYCLONE**, buggy, 6½ ft..... 2.25

70 Total $31.80



No. 300—Assortment consisting of 96 whips, 51 straight buggy whips in eight different patterns and 39 express and drop top team whips in five different patterns, ranging in retail value from 10 cents to $1.00 each, together with one circular whip rack holding 288 whips, no charge, per assortment .....**ADDJ** $24.00

18 only No. 49, buggy, 5½ ft., rattan, assorted colors..... 1.80
12 only No. 52, buggy, 6 ft., rattan, black, nickel plated head. 2.40
9 only No. 56, buggy, 6 ft., rattan, assorted colors, nickel plated head and ferrule..... 2.25
6 only No. 62, buggy, 6 ft., rattan, black, gilt head and ferrule 1.80
3 only No. 63, buggy, 6 ft., "Ringmaster," black, 1½ in. chased head and button..... 1.05
3 only No. 68, buggy, stocked Java, black, loaded butt, rubber cushioned cap, 2 chased ferrules 1.50
3 only No. 78, buggy, 6 ft., rawhide center entire length, black 2.25
3 only No. 87, buggy, 6½ ft., rawhide center half length, black, 1¼ in. nickel plated head, ten ¾ in. nickel plated ferrules.... 3.00
12 only No. 610, express, 5 ft., 2½ ft. stock, 1½ ft. drop, mixed thread cover..... 1.20
12 only No. 614, express, 6¼ ft., 2¾ ft. stock, 3½ ft. drop, assorted colors, nickel plated head 1.80
6 only No. 616, express, 7 ft., 3½ ft. stock, 3½ ft. drop, assorted colors, nickel plated head 1.20
6 only No. 623, express, solid leather points, old gold, 4 plait thread cover, chased head and button, rubber cap, loop snap. 1.50
3 only No. 602, express, 7 ft., 4 ft. stocked Java, black thread covered stock, 3 ft. white top, ¾ in. nickel plated head, 1½ in. nickel plated ferrule 2.25
1 only No. 65 circular whip rack, made of sheet metal with rolled edges, holds 288 whips..... Free

96 whips Total $24.00

HIB-SPE-BAR CALCUTTA RAWHIDE WHIPS.



No. 25WB—Woa-Back Rawhide, made from Calcutta rawhide one-half length, black duck lined, spar finish, two long patent ring buttons, Boston snap, 6 feet ..... per dozen BDJ $4.00



No. 50BB—Blue Bell Rawhide, made from Calcutta rawhide, one solid piece, running the entire length, black, linen lined, satin finish, stocked, loaded, three large patent ring buttons, Japan cap, Philadelphia snap, 6 feet, per doz. DHJ $8.00



No. 75S—Suburb Rawhide, extra heavy Calcutta stocked rawhide, one piece from butt to tip, black, linen lined, oiled waterproof finish, loaded, two extra long, six stitch hand-worked black linen buttons, japanned cap, braided Philadelphia snap, 6 feet ..... per dozen JFJJ $10.00



No. 100I—Illanoy Rawhide, Dolly Varden center, one solid piece rawhide entire length, black, linen and wire woven under cover, improved waterproof oil finish, loaded, vellum tanned reinforced loop, two extra long double 8-stitch, hand made linen buttons, braided Philadelphia snap, 6 feet ..... per dozen JHDJ $14.00



No. 125I—Illanoy Rawhide, Dolly Varden center, one solid piece rawhide entire length, black, linen and wire woven under cover, improved waterproof oil finish, loaded, vellum tanned reinforced loop, two extra long double 8-stitch hand made linen buttons, braided Philadelphia snap, 6½ feet ..... per dozen JIFJ $16.00



REVONOC—Extra quality, rawhide center full length of whip, extra finish double cover and woven wire under cover, two combination buttons, cat-gut loop, Philadelphia snap.

	6	6½	7
Lengths, ft.			
	$12.00	13.50	14.90
Per dozen	JGBJ	JHBJ	JHGJ



OVB—Extra quality and extra heavy rawhide center, entire length of whip extending through rubber cap, extra fine finish 6 plait black thread covered, wire thread lined and extra rubber lining, 2 six-stitch hand made rolled braided buttons, cat-gut loop, reinforced with braided buck-skin snap.

	6	6½	7
Lengths, ft.			
	$19.00	21.50	24.00
Per dozen	AAGE	ACJJ	ADDJ

BUGGY WHIPS.



No. 49—5½ ft. rattan, plain thread cover, no button or cap, assorted black, wine color and amber, loop snap, per dozen ..... **ABJ** $1.30

No. 51—6 ft., otherwise same as No. 49..per dozen **ACE** $1.50



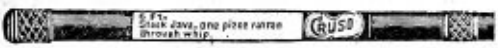
No. 52—6 ft., "Success," rattan, black thread cover, smooth finish, ⅝ in. chased nickel plated head, loop snap, per dozen ..... **AFJ** $2.34

Waterproof and durable.



No. 56—6 ft., "Go-Faster," rattan, assorted black and wine colored thread cover, good finish, ⅝ in. chased nickel plated head, one ¾ in. chased nickel plated ferrule, loop snap .....per dozen **AHJ** $3.00

A fine waterproof whip.



Cruso, 6 ft., extra quality one-piece rattan through whip, finely finished, thread covered, rubber cap, two short combination buttons, Philadelphia snap, assorted colors, black and wine .....per dozen **BAE** $3.30



No. 62—6 ft., "Hoosier Boy," rattan, black thread cover, fine 1 inch chased gilt head, one 2¼ in. chased gilt ferrule, with black center, Boston snap .....per dozen **BAE** $3.60

Combines moderate price and good style.



No. 64—6 ft., "The Frontier," one-piece rattan, through whip, assorted black and wine colored thread cover, japanned cap, black chased buttons, Boston snap, per doz. **BAE** $3.60

Designed to meet demand for a serviceable whip.

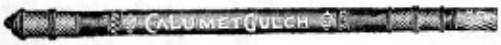


Two-Bits, 6 ft., extra quality Java, black wine, and russet colors assorted, oiled waterproof finish, linen lined, heavily loaded, two 1 in. black patent buttons, solid rubber cap, Boston snap, w't per doz. 3 lbs., per dozen **BBJ** $4.00



No. 63—6 ft., "Ringmaster," extra prime, full stock, black color, four plait cover, 1½ in. chased head and thumb button, rubber cap, buckskin reinforced snap and loop, per dozen ..... **BDJ** $4.00

AVERAGE W'T, 3¾ LBS. PER DOZEN.



No. 66—6 ft., "Calumet Gulch," best quality rattan, black thread cover, loaded butt, japanned rubber cushioned cap, two 1½ in. chased button, Boston snap, per doz. **BGE** $4.00

The most wonderful value offered in a low price whip.



No. 68—6 ft., "Riverside," stocked Java, black thread cover, loaded butt, in chased nickel head and 1½ in. chased nickel ferrule, Boston snap .....per dozen **CBE** $5.40



No. 71—6 ft., "Davis' Special," "All Sinew," one solid piece rawhide center full length extending through cap, stocked and heavily loaded, black thread covered, linen lined, 3 creased buttons, Boston snap .....per dozen **DAJ** $6.80



No. 72—6 ft., "Marlin" best quality stocked Java, black thread cover, buckskin lined, rubber cap, two 1 in. chased black buttons, Boston snap, as good a stocked Java whip as can be made .....per dozen **DCJ** $7.20



No. 78—6 ft., "Kloebers Choice," rawhide center entire length of whip, extending through cap at butt end, black thread cover, japanned cap, 2 creased buttons, Baston snap, per dozen ..... **DEJ** $7.50



No. 82—6 ft., "Diamond" rawhide center entire length of whip, extending though cap at butt end, black thread cover, loaded butt, making stiff handle, japanned cap, 2 creased buttons, Boston snap .....per dozen **EAJ** $8.50



No. 87—6½ ft., "Nu Blu" rawhide center half length of whip, black thread cover, 1½ in. plain nickel plated head, ten ¾ in. nickel plated plain ferrule, Boston snap, per dozen ..... **JGGJ** $12.80



No. 92—6½ ft., "Iowa Special," best quality rawhide center half length of whip, black thread cover, 2⅝ in. chased nickel plated head, one 2¼ in. and six ¾ in. chased nickel plated ferrules, smooth finish, Philadelphia snap, per dozen ..... **JIJJ** $15.00

A new rawhide with all the good points put in and the weak points left out.



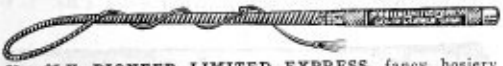
No. 99—6½ ft., "Grant's Vulcanite," extra quality rawhide center half length of whip, black thread cover with a vulcanized India rubber lining the entire length of whip, making it perfectly waterproof, will not warp or get out of shape, rubber cushion caps, fancy head button, fifteen ¾ in. nickel plated ferrules, Boston snap..per dozen **ADDJ** $24.00

"Vulcanite" feature excludes the moisture from rawhide and at the same time prevents the oil in the rattan siding from evaporating, preventing the rawhide from drooping and rattan from becoming brittle, thus adding immensely to the durability of the whip.

BUGGY WHIPS.

In presenting our new line of "Hib-Spe-Bar" Express and Coach Whips, we are confident we are offering the best values.

These whips are manufactured under our own specifications, bear our own labels, and each individual whip has a stock number which indicates the retail price.



No. 25-X—PIONEER LIMITED EXPRESS, fancy hosiery plaited, assorted colors, solid leather lash, black painted handle, 1 in. head, 3 ft. stock, 30 in. drop, per dozen ..... **BCJ** $4.00



No. 35X—OVERLAND LIMITED EXPRESS, one-piece reed, black handle and center, 4 plait buff and hosiery top, 4 ft. stock, 3 ft. drop, 1 in. 12 ring black head button, 1½ in. 20 ring thumb button, solid rubber cap, loop snap, per dozen ..... **BEI** $4.50

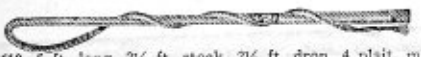


No. 50-X—DAND-Y-LINE SPECIAL EXPRESS, fancy brown and white 4 plait cover through paited lined undercover, 1¾ in. fancy chased head, 2 in. russet thread button, black handle, 3½ ft. stock, 3 ft. drop, Boston snap, per dozen ..... **DCA** $7.50

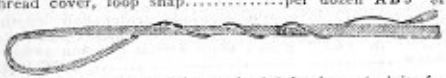


No. 75X—ORIENTAL EXPRESS, black and white 4 plait cover through solid linen plaited center, black handle, 1½ in. chased nickel head, 2 in. thread button, 4 ft. stock, 3 ft. drop, Boston snap .....per dozen **ECE** $9.30

EXPRESS OR CAB.



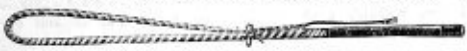
No. 610—5 ft. long, 2½ ft. stock, 2½ ft. drop, 4 plait, mixed thread cover, loop snap.....per dozen **ABJ** $1.30



No. 612—5¼ ft. long, 2¼ ft. stock, 2½ ft. drop, 4 plait, fancy cover, nail end, loop snap.....per dozen **ABJ** $1.60



No. 614—6¼ ft. long, 2¾ ft. stock, 3½ ft. drop, 4 plait, fancy cover, assorted colors in each package, ⅝ in. plain nickel head, loop snap .....per dozen **ABJ** $1.80



No. 608—6 ft. long, 3½ ft. stock, 2½ ft. drop, polished hickory handle, mixed thread cover, loop snap, per dozen ..... **AFE** $2.50



No. 618—7 ft. long, 3½ ft. stock, 3½ ft. drop, 4 plait, imitation gut cover, ⅝ in. nickel chased head, loop snap, per dozen ..... **AFE** $3.00



No. 619—6½ ft. long, 3½ ft. stock, 3 ft. drop, leather filled, 4 plait cover ..... per dozen **BJJ** $3.60

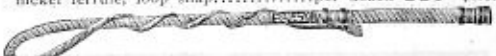
EXPRESS OR CAB.



No. 16—5 ft. leather Lash Jumbo, 5 ft. stock, 3 ft. leather top, 4 plait light and dark russet cover with japanned head ..... per dozen **BBJ** $4.00



N. 622—7 ft. long, 3½ ft. stock, 3½ ft. drop, 4 plait, thread cover, black handle, 1 in. plain nickel head, 1½ plain nickel ferrule, loop snap.....per dozen **BBJ** $4.00



No. 623—"Leather Point Express," 6 ft. 7 in. long, 3½ ft. stock, 3 ft. drop, old gold color, 4 plaited thread cover, chased head and button, rubber cap, loose snap, per dozen ..... **BBJ** $4.00

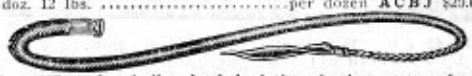


No. 628—6½ ft. long, 3½ ft. stock, 3 ft. drop, genuine stocked Java, buckskin top, leather filled, 4 plaint cover, per dozen ..... **CDE** $6.00

MULE SKINNERS.



No. 1005—5½ ft., shot loaded, latigo leather cover, buck stitched, 6 plait braided buck lash, leather loop, w't per doz. 12 lbs. .....per dozen **ACBJ** $20.60



No. 1015—6 ft., bullet loaded, latigo leather cover, buck stitched, heavy twisted buckskin point, 2 in. wire wrapped at raised head button, w't per doz. 18 lbs., per dozen .....**AIHJ** $31.90

DROVER.



No. 1040—5 ft. long, California style, 4 plait, revolving wood handle, w't per doz. 9 lbs.....per dozen **DCE** $6.70

No. 1041—6 ft. long, otherwise same as No. 1040, w't per dozen 10 lbs. .....per dozen **EAJ** $8.50

No. 1050—9 ft., California style, 6 plait latigo leather, revolving wood handle, w't per doz. 12 lbs. per doz. **JHBE** $14.10



No. 1056—10 ft. long, California style, 8 plait rawhide, revolving wood handle, lace fastener, w't per dozen 13½ lbs., per dozen .....**ACBJ** $19.50

WAGON.



Dark Tanned Oiled Leather Cover, Buck Stitched, Two Buttons and Leather Loop.

Nos.	750	800	850	900
Length	4½	5	5½	6 ft.
Weight per dozen	8½	10	12	14 lbs.
Per dozen	$12.40	13.80	15.10	16.50
	JFIJ	**JHHJ**	**JIFJ**	**AAEE**

ONE-QUARTER DOZEN IN A PACKAGE.

RIDING WHIPS.



No. 712—3 ft. rattan, thread covered, assorted colors, fancy wound assorted color handles, 2 white buttons and wrist loop, loop snap .....per dozen **JGE** $1.40



No. 821—3 ft. rattan, black thread cover, fancy wound celluloid handle, two white buttons and wrist loop, loop snap ..... per dozen **AAJ** $2.00



No. 710—3 ft. rattan, black fancy wound celluloid handle with white celluloid head, 2 white worked buttons, white wrist strap, Boston snap.....per dozen **BJJ** $3.60



No. 842—3 ft., solid rawhide, painted assorted colors, plaited handle and snap with loop at end....per dozen **BDJ** $4.40

QUIRTS.



No. 204—Texas, bark oil tanned leather, buck stitched, three button and two frills, w't per dozen 5½ lbs., per dozen .....**DCE** $7.15



No. 206—Iron handle, 4 plait, russet braided leather, two buttons, w't per doz. 7½ lbs., per dozen **ECJ** $8.70



No. 210—Shot loaded, 12 plait, latigo leather, three buttons and two frills, w't per doz. 9 lbs...per dozen **JGIJ** $12.10

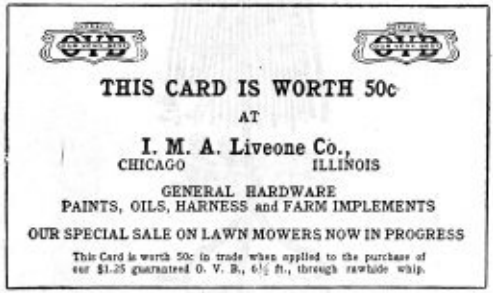


No. 216—Shot loaded, 12 plait, black and white striped, checkered handle, three buttons and two frills, w't per doz. 9 lbs. .....per dozen **JIIJ** $16.90

ADVERTISING WHIPS.

With An Order for Six Dozen of These Whips We Will Furnish, Without Charge, 100 Stamped Postals Worth 50c in Trade to the Holder When Buying a No. 600 G.V.B. Whip. The Card Describes the Whip, Outlines the Offer and Leaves Room for Other Advertising Matter Concerning the Dealer's Business.







No. 600 G.V.B.—6½ ft. guaranteed through rawhide from tip to butt, linen lined, oiled waterproof finish, hand stocked and loaded, fancy assorted colored diamond centers, three 6-stitch thread buttons, japan cap, wound Philadelphia snap .....per dozen JGBJ $12.00

This is an advertising scheme which has proven very popular because it always brings results. It not only sells the whip but brings the prospective buyer to the store. Moreover, the card can be used to advertise other lines which the dealer carries.



Customers' Name and Business Printed in Gold on the Butt of the Whip.

Advertising—6 ft., extra quality one piece through rattan, nicely finished thread covered, two button Philadelphia snap, all black..... per dozen★ **BDJ**. $4.00

Sold in lots of 12 dozen or more for shipment F. O. B. Westfield, Mass. No order for less than 12 dozen accepted.





No. 1356 Tag Assortment.

No. 1356—6 ft., rawhide from snap through cap, vulcanized rubber lined entire length, three long combination buttons, silk English re-enforced snap, per assortment of three dozen whips★ ..... **BAFJ** $36.00

With each lot of 36 whips we furnish 100 tags 6x3 in. on which is printed the dealer's name and business. These tags are attached to a man's buggy or harness where he will see it On the tag is a notice saying that the tag is worth 25c in trade in the purchase of a No. 1356 whip at the dealer's store. This scheme not only sells the whips fast but brings in the harness buyers and greatly helps the sale of other goods.

F. O. B. WESTFIELD, MASS.

WHIP STOCKS, LASHES AND WHIP RACKS.

WHIP STOCKS.



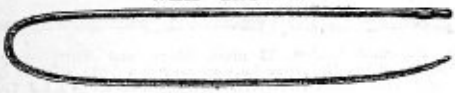
Common, All White Hickory, Finished with Buck Keeper.

Nos.	4	5	10	15
Feet	3½	4	4½	5
Per dozen	$1.70 AAJ	2.10 ADJ	2.40 AEJ	2.70 AGE

California Pattern.

No. 20—4½ ft., plain, hand shaved hickory, buck keeper, w't per doz. 4 lbs.....per dozen CBJ $4.90
No. 25—5 ft., plain, hand shaved hickory, buck keeper, w't per doz. 6 lbs.....per dozen CEE 5.50

WHIP LASHES.



Round, Russet Leather String.

Length, ft.	4	5	6
No. 40—Per dozen	$1.30 JIJ	1.60 AAE	1.90 ADE



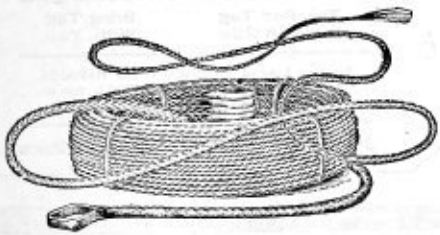
Braided, 4 Plait.

Length, ft.	4	5	6
No. 50—White H. H., per dozen....	$2.34 AEE	2.95 BJJ	3.50 BCJ
No. 60—Russet, H. H., per dozen...	$2.34 AEE	2.95 BJJ	3.50 BCJ



Ox Lashes, 4 Plait Heavy Swell.

Length, ft.	5	6	7
No. 75—Rawhide, per dozen	$4.00 BIJ	4.80 CCJ	5.65 DBJ



California Pattern, Horse Hide.

Nos.	2410	2412	2510
Plait	4	4	6
Length, ft.	10	12	10
W't per doz., lbs.	2¼	3¼	2⅝
Per dozen	$8.40 EDJ	10.10 JFEJ	10.50 JFGJ

California Pattern, Buckskin.

Nos.	2910	2912
Plait	6	6
Length, ft.	10	12
W't per doz., lbs.	1⅝	1¾
Per dozen	$22.50 ACEJ	27.00 AFBJ

ONE DOZEN IN A BUNDLE.

WHIP CRACKS.



For Buggy Whips.

No. 1—Cotton, assorted black and green, per gross .....JGJ $1.20
No. 5—Half silk, assorted black and green, per gross .....BDJ 4.00
ONE GROSS IN A PACKAGE. AVERAGE W'T ¼ LB. PER GROSS.

REVOLVING WHIP RACKS.



F. O. B. Galva, Ill.

No. 1—Best's Portable, height adjustable from 8 ft. to 9 ft. 10 in., display shelf 30 in. in diameter, capacity 12 doz. whips, large quantity of small ware can be displayed on shelf, w't each 80 lbs.★.....each ADDJ $24.00

The above rack is made entirely of steel and iron, painted blue with gilt trimmings and varnished. Legs are spread 32 in. and are clamped together with three bolts—cannot get loose or come apart. Large heavy casters, which will roll on any floor, are used. The revolving shelf is a convenient place for displaying oils, grease, soaps, liniments, powders, gall cures, etc.

Full directions for setting up are sent with each rack.

★*FOR FACTORY SHIPMENT ONLY.*

WHIP SOCKETS, DISPLAY RACKS AND DUSTERS.

WHIP SOCKETS.



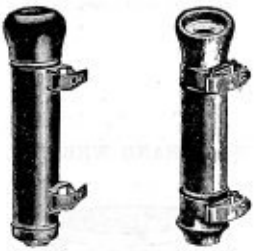
No. 226. No. 2.

For Wood Dash.

No. 226—Skeleton, japanned, w't per doz. 4¼ lbs. .....per dozen **J I J** $1.50

For Leather Dash.

No. 2—Tubular, japanned, with spring, w't per doz. 5 lbs., per doz. **J G J** $1.20

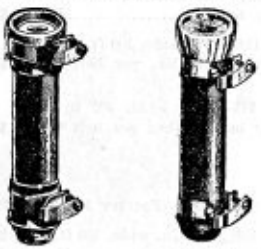


No. 19. No. 35.

For Leather Dash.

No. 19—Tubular, wood top with rubber, metal bottom, w't per doz. 5 lbs., per dozen .....**J I J** $1.50

No. 35—Tubular, wood, with rubber, leader band fasteners, w't per doz. 6 lbs. .....per dozen **A J J** $1.70



No. 45. No. 50.

For Leather Dash.

No. 45—Two-Bits, tubular, wood, with rubber, leader band fasteners, w't per doz. 6¾ lbs.....per dozen **A A J** $1.80

No. 50—Tubular, nickel shell top with notched rubber, nickel security band fasteners, w't per doz. 6½ lbs., per dozen .....**B A E** $3.60

WHIP RACKS.

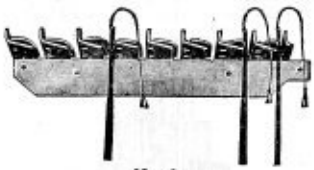


No. 65—Circular, sheet metal with rolled edges, holds 288 whips, w't per doz. 20 lbs. .....per dozen **J G B J** $12.00

WHIP HANGERS.



No. 2.



No. 8.

No. 2—Shearardized finish steel, holds two whips, w't per doz. 1 lb., per dozen .....**J I J** $3.30

ONE DOZEN ON A COLORED DISPLAY CARD.

No. 8—Sherardized finished steel, holds eight whips, intended for livery, barn or display purposes, w't per doz. 4½ lbs. .....per dozen **B D J** $7.00

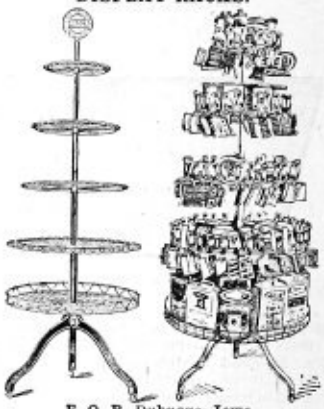
ONE DOZEN IN A BOX.

So constructed that while positive, will not injure the whip.

The life of the whip depends a great deal upon the care taken of it when not in use. These hangers are guaranteed to keep the whips straight and preserve the elasticity of the whip.

★*FOR FACTORY SHIPMENT ONLY.*

MEDEARIS QUICK SALES DISPLAY RACKS.



F. O. B. Dubuque, Iowa.

Medearis—Height 6 ft. 9 in., diam. 30 in., shelf room 16 ft., capacity 9 doz. curry combs, five revolving shelves, outer rim of each self, except lower one, is provided with clips for holding curry combs, 9 doz. of each can be displayed at one time, also large quantity of small wares can be displayed on the shelves, without curry combs, w't 70 lbs.★.....each **A D D J** $24.00.

ONE IN A CARTON.

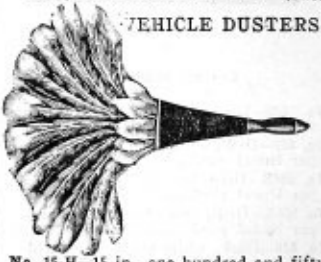
ROBE AND BLANKET RACKS.



F. O. B. Galva, Ill.

Best's Universal—Arms and back are hardwood oiled, iron and steel parts are painted, hinges are malleable iron and are riveted to the arms and bolted to the hinge bars, braces are forged from steel, complete set of nickeled steel pins to adjust blankets to the arms, 18 arms, standard size, each★ .....**A D D J** $24.00

VEHICLE DUSTERS

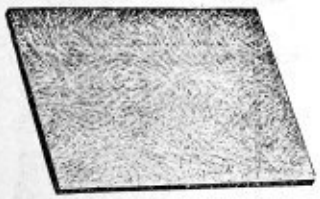


No. 15-H—15 in., one hundred and fifty wide selected wing and tail feathers, stub handle, tapered head and cuff, nickel plated ferrule, w't per doz. 9 lbs., list ....per dozen **J I F J** $16.00

ONE DOZEN IN A BOX.

SHEET FELT, RUBBER CLOTH AND WEBBING.

SHEET FELT.



No. 25—Common gray, 21x36 in., 1 in. thick .....per sheet **JIE** $1.50

No. 30—Good quality gray, 21x36 in., ¾ in. thick .....per sheet **AFE** $2.70

No. 35—Orange wool, 21x36 in., ¾ in. thick .....per sheet **AHJ** $3.00

WOOL SHEEP SKINS.

No. 1—Yellow wool, bark tanned, each .....**BAJ** $3.80

DEER SKINS.

No. 5—Well haired, 10 to 12 ft. per skin, each .....**DDE** $8.10

ENAMELED CLOTH.



Leather Grained.

No. 800—Muslin, white back, 45 in. wide .....per lineal yard **BJ** $0.36

No. 802—Drill, white back, 50 in. wide, per lineal yard .....**CJ** $0.56

No. 804B—Drill, blue back, 48 in. wide, per lineal yard .....**DJ** $0.70

No. 806G—Drill, green back, 48 in. wide, per lineal yard .....**DJ** $0.70

No. 810—Duck, white back, 50 in. wide, per lineal yard .....**DJ** $0.70

No. 812B—Duck, blue back, 50 in. wide, per lineal yard .....**DE** $0.84

No. 814G—Duck, green back, 50 in. wide, per lineal yard .....**DE** $0.84

TWELVE YARDS IN A BOLT.

SURCINGLES.



Plain.

No. 21—2½ in. fancy cotton, 7 ft. long, 1 in. billets, w't per doz. 4 lbs., per dozen .....**AEJ** $2.76

No. 25—4 in. fancy cotton, 7 ft. long, 1¼ in. billets, w't per doz. 8 lbs., per dozen .....**BCE** $4.32



Plain.

No. 113—3 in., white back banding, 7 ft. long, 1 in. billets, w't per doz. 6 lbs., per dozen .....**BBJ** $4.00

No. 115—3½ in., white back banding, 7½ ft. long, 1⅛ in. billets, w't per doz. 7¼ lbs. ....per dozen **CAJ** $5.60

WEB TRUNK STRAPS.



No. 7—1½ in. wide, 7 ft. long, w't per doz. 8 lbs. .....per dozen **BEE** $4.60

No. 8—1½ in. wide, 8 ft. long, w't per doz. 9 lbs. .....per dozen **BGJ** $4.90

No. 9—1½ in. wide, 9 ft. long, w't per doz. 10 lbs. .....per dozen **BHE** $5.20

No. 10—1½ in. wide, 10 ft. long, w't per doz. 11 lbs. .....per dozen **CJE** $5.50

WEBBING.



Common Cotton Girth, Fancy Stripe.

No. 203—2½ in. wide, 15 yds. in a bolt, w't per bolt 1½ lbs., per bolt .....**EE** $0.78

No. 204—2¾ in. wide, 15 yds. in a bolt, w't per bolt 1¾ lbs., per bolt .....**FJ** $0.88

SOLD IN BOLT LOTS ONLY.

Corded Cotton Girth, Fancy Stripe.

No. 211—11 cord, 15 yds. in a bolt, w't per bolt 2¼ lbs., per bolt **AJE** $1.72

SOLD IN BOLT LOTS ONLY.

WEBBING.



Cotton Halter, Solid Color.

No. 381—13 cord, heavy, 30 yds. in a bolt, w't per bolt 5 lbs., per bolt .....**AHJ** $2.86

Cotton Rein, Assorted Colors.

No. 386—6 cord, 15 yds. in a bolt, w't per bolt 1½ lbs. ....per bolt **DE** $0.80

SOLD IN BOLT LOTS ONLY.

BACK BAND WEBBING.



Heavy—Factory No. 1—White.

No. 113½—3½ in. wide, 100 ft. in a bolt, w't per bolt 7 lbs., per bolt .....**BJJ** $3.70

No. 114—4 in. wide, 100 ft. in a bolt, w't per bolt 8 lbs., per bolt **BCE** $4.40

No. 115—5 in. wide, 100 ft. bolts, w't per bolt 10 lbs., per bolt **CJJ** $5.40

Extra Heavy—Factory No. 0—White.

No. 103½—3½ in. wide, 100 ft. in a bolt, w't per bolt 10 lbs., per bolt .....**BGE** $5.10

No. 104—4 in. wide, 100 ft. in a bolt, w't per bolt 12 lbs., per bolt **CCJ** $6.20

No. 105—5 in. wide, 100 ft. bolts, w't per bolt 15 lbs. .....per bolt **DAJ** $7.60

SOLD IN BOLT LOTS ONLY.

HARNESS LEATHER.

REV-O-NOC



No. 10 REV-O-NOC—No. 1 selection, per pound .....EC $0.94

No. 11 REV-O-NOC—No. B selection per per pound .....EA $0.92

PUT UP TWO SIDES LIGHT WEIGHT, TWO SIDES MEDIUM WEIGHT, TWO SIDES HEAVY WEIGHT, TWO SIDES EXTRA HEAVY WEIGHT, FOR THE CONVENIENCE OF THE CUSTOM CUTTER.

STAR OAK.



No. 20—No. 1 selection, per pound .....EA $0.92

No. 21—No. B selection, per pound .....DH .88

No. 24—No. B selection, trace leather, per pound .....EE $1.00

TEN SIDES TO ROLL, WEIGHT 160 TO 220 LBS.

PHOENIX.



No. 15—No. 1 selection, pound .....EA $0.92

No. 16—No. B selection, per pound .....DH .88

TEN SIDES TO ROLL, WEIGHT 160 TO 220 LBS.

RUSSET SKIRTING.

No. 120—No. 1 selection, per pound .....JGJ $1.16

No. 122—No. B selection, per pound .....JGJ 1.14

RELIANCE.



No. 50 .....per pound★
Prices on application.

★*FOR FACTORY SHIPMENT ONLY.*

PADS AND PAD HOOKS.

TOP COLLAR.



Star Zinc.

Nos.	550	600	650
Factory Nos.	5½	6	6½
W't per doz., lbs.	8	8	9
Per dozen	$6.30	6.30	6.30
	DDJ	DDJ	EAE

Nos.	700	750
Factory Nos.	7	7½
W't per doz., lbs.	10½	12
Per dozen	$6.30	9.30
	EAE	FDJ

TWO DOZEN IN A BOX.



Sole Leather with Straps.

Nos.	20	22	24
Factory Nos.	1	2	3
W't per doz., lbs.	2½	3	3½
Per dozen	$3.80	5.20	6.00
	BCJ	CAJ	CFJ

Nos.	26	28	30
Factory Nos.	4	5	6
W't per doz., lbs.	4	5	6
Per dozen	$7.30	8.50	9.40
	DDJ	FJJ	FEE



Sole Leather Caps, without Straps.

Nos.	14	16	18
Factory Nos.	2	3	4
W't per doz., lbs.	2½	3	4
Per dozen	$2.60	3.40	4.40
	AHE	BDJ	BFE



Deerskin Harness Leather Top, with Straps.

No. 908—6x10 in., w't per doz. 8 lbs., per dozen ..... JFBJ $10.30

No. 909—7x12 in., w't per 9 lbs., per dozen ..... JHBJ $13.70

BRIDGE NECK.



No. 80—Cyclone, w't per doz. 30 lbs., per dozen ..... DBJ $7.00

The padded plate rests on the horse's neck, surrounding the sore while the elevated bar holds the collar clear of the afflicted parts.



No. 50—Oscillating, size 2, w't per doz. 8½ lbs. .....per dozen DHJ $8.00

The pad is made of the highest grade of sole leather and is so shaped as to adjust itself to the neck, having an open space in the center, thus leaving the afflicted part free. The metal plate is elevated and secured on each side to an under plate permitting the necessary swinging motion. Any movement of the collar affects only the metal top.



No. 70—Sun, w't per doz. 33 lbs., per dozen ..... JGHE $13.10

The padded plates at either end of the connecting bar rest on the neck and shoulder of the horse and are so attached to the bar to permit a swinging motion which allows the pads to adjust to any position without interfering with the collar.



No. 90—Wabash, w't per doz. 28 lbs., per dozen ..... JGBJ $12.00

The advantages of the Wabash are many. It is convenient to put on the horse. Is quickly attached by straps or chains to the hame staples and is left attached to the harness. By using the "Wabash" a sore necked horse can be worked every day.

SHAPED DEER SKIN TOP COLLAR.



High Grade Deer Skin with Sole Leather Caps.

No. 904—Factory No. 4—Size 5¼x5½ in., w't per doz. 3¼ lbs., per dozen ..... JFFJ $11.00

No. 905—Factory No. 5—Size 5½x6¼ in., w't per doz. 6 lbs., per dozen ..... JGBJ $12.00

No. 906—Factory No. 6—Size 6x6½ in., w't per doz. 7 lbs., per dozen ..... JGHJ $13.00

These pads are made from high grade oak sole leather and lined with the best quality of deer skin; virtually two pads in one for the reason that when the deer skin surface is worn away there is still a first-clas Curtis leather pad.

SURE CURE NECK.



No. 75—Sachse, length 5½ in., open space 7 in., japanned steel top, wool stuffed pads, leather lined, w't per doz. 48 lbs., per dozen AHJJ $30.00

Made with a stationary bridge upon which the collar rests, so that it cannot come in contact with the sore part. The front part of the pad works on a pivot, consequently the horse can move its head up and down with ease.

Another important feature—open section is covered with wire cloth—a protection against flies.

TWO DOZEN IN A CASE.

SWEAT PAD HOOKS.



No. 200—Lacquered, per dozen AB $0.20

HORSE COLLAR SWEAT PADS.



Drill, Brown and White, Four Hooks and Four Rows of Quilting.

Nos.	211	212
Sizes, in.	18to25	20to26
Draft, in.	11	12
W't per doz., lbs.	27½	30
Per dozen	$5.40	5.70
	BHJ	CJJ



No. 114—Old gold and white drill, four hooks and four rows of quilting, 14 in. draft, sizes 20 to 26 in., w't per doz. 35 lbs. .....per dozen **CDE** $6.50



Plain Red Felt Edges, Old Gold Drill, Four Hooks and Five Rows of Quilting.

No. 511— Sizes, in...	16	17	18	19
Draft, in. ..	11	11	11	11
Per dozen ..	$4.50	4.70	4.90	5.10
	BHJ	BHJ	BHJ	BHJ
No. 511—Sizes, in...	20	21	22	
Draft, in.	11	11	11	
Per dozen	$5.30	5.50	5.70	
	BHJ	BHJ	BHJ	
No. 511—Sizes, in...	23	24	25	
Draft, in.	11	11	11	
Per dozen	$5.90	6.10	6.30	
	CAE	CCE	CEJ	
No. 512—Sizes, in...	18	19	20	
Draft, in.	12	12	12	
Per dozen	$5.00	5.30	5.50	
	BIJ	BIJ	BIJ	
No. 512—Sizes, in...	21	22	23	
Draft, in.	12	12	12	
Per dozen	$5.70	6.00	6.30	
	BIJ	BIJ	CDE	
No. 512—Sizes, in...	24	25	26	
Draft, in.	12	12	12	
Per dozen	$6.60	6.90	7.50	
	CFJ	CGE	DEJ	



No. 1211—50 per cent deer hair stuffed, old gold and white drill, four hooks and five rows of quilting, 11 in. draft, sizes 20 to 25 in., w't per doz. 20 lbs., per dozen ..... **DHE** $8.40



No. 1212—Deer hair stuffed, heavy striped tick back, enameled drill face, four hooks and five rows of quilting, 12 in. draft, sizes 20 to 25 in., w't per doz. 25 lbs. ...per dozen **JFHE** $11.00



No. 1312—100 per cent deer hair stuffed, old gold and white drill, four hooks and five rows of quilting, 12 in. draft, sizes 18 to 25 in., w't per doz. 21 lbs., per dozen ..... **JGEE** $11.00

TWO DOZEN IN A SACK.



No. 1411—Old gold drill back, white drill face, 100 per cent deer hair stuffed, four hooks, five rows quilting, flat, enamel rim edge, 12 in. draft, sizes 18 to 25 in., w't per doz. 21 lbs., per dozen ..... **JGGJ** $11.00



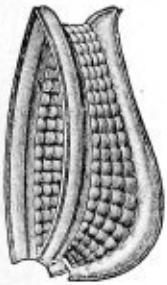
No. 1412—100 per cent deer hair stuffed, heavy blue and white striped ticking, four hooks and five rows of quilting, 12 in. draft, sizes 18 to 25 in., w't per doz. 22 lbs. ..per dozen **JHDE** $13.50



No. 1512—12 in. draft, deer hair stuffed, enameled drill face and back, 4 hooks, 5 rows quilting, sizes 20 to 25 in., w't per doz. 28 lbs., per doz. **JGCE** $10.60

TWO DOZEN OF A SIZE IN A BALE.

HORSE COLLAR SWEAT PADS.



No. 2012—Reversible, old gold drill, no hooks, plain red felt edges, five rows of quilting, 12 in. draft, sizes 18 to 22 in., w't per doz. 30 lbs., per dozen★ .....CBJ $5.80

F. O. B. Greenfield, Ohio.



Old Gold Drill, Four Hook, Plain Red Felt Edge, Composite Stuffing.

No. 111—11 in. draft, 16 to 22 in., per gross .....CCCE $58.80
23 inches, per gross.....CFGJ $64.50
24 inches, per gross .....CFIE $67.20
25 inches, per gross .....CHIE $70.80

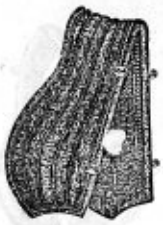
W'T PER DOZEN ABOUT 27½ LBS.

No. 112—12 in. draft, 16 to 22 in., per gross .....CCHJ $61.50
23 inches, per gross.....CFIE $67.20
24 inches, per gross.....CHIE $70.80
25 inches, per gross.....CHIE $70.80

W'T PER DOZEN ABOUT 30 LBS.

Nos. 111 and 112 Sweat Pads are shipped only in full bales of two dozen of each size. Do not enter orders in any other way.

F. O. B. Columbus, Ohio.



Zero.

No. 1224—Interwoven horse hair, extra quality, blue felt lined, six rows quilting, four hooks, 12 in. draft, sizes 18 to 24 in., w't per doz. 19 lbs., per dozen .....AADE $19.10



No. 11—100 per cent deer hair stuffed, enameled cloth back, best tick facing, hand tufted, wide draft, sizes 19 to 24 in., w't per doz. 18 lbs., per dozen .....JHBE $11.40



Orange Felt, Four Hooks, Pinked Edges.

No. 1510—10x25 in., 10 in. draft, w't per doz. 10 lbs. ....per dozen EEE $7.50

TWO DOZEN IN A SACK.

CART SADDLE.



No. 500—All white drill, composite stuffing, size 19x22 in., w't per doz. 34 lbs. .....per dozen DBE $7.70



Cruso Perforated.

No. 1310—Cruso, 10 in. draft, seal brown, special perforated "Cruso" fabric, four hooks, sizes 17 to 24 in., w't per doz. 17½ lbs. .....per dozen DBJ $7.00

The special perforated "Cruso" fabric is something entirely new and contains every quality necessary to make a most satisfactory sweat pad. The threads of the wool of which it is composed are carried through burlap center by slender wire needles, thus perforating the fabric forming tunnels through which the moisture travels to the outer side.

The difficulty with most of the ordinary pads is that, while they protect the animal from direct wearing contact, the added thickness and warmth causes the horse to sweat profusely underneath the pad, and containing no absorptive properties the surface next to the horse's hide soon becomes soaked with sweat, with no means of escape.

This moisture heats the flesh and often causes serious irritation. The "Cruso" fabric allows perfect ventilation and overcomes this difficulty, keeping the shoulders free from moisture and as a result in a healthy condition. Flexible, durable and sanitary.

TWO DOZEN OF A SIZE IN A BALE.



Ventiplex.

No. 310—Gray Ventiplex fabric, four hooks, 10 in. draft, sizes 17 to 24 in., w't per doz. 16 lbs., per dozen .....DIE $9.00

Ventiplex is a new moisture-absorbing fabric especially adapted for making sweat pads, being woven in such a way that the moisture as fast as it forms is carried from the under surface of the fabric to the outer side where coming in contact with the atmosphere it evaporates, keeping the pad dry and comfortable at all times.

TWO DOZEN IN A SACK.

HORSE COLLARS.



The Correct Way to Measure Length of Collars.

When ordering collars, always give sizes wanted, measuring inside of rim from throat to top.



To find the size of the "draft" of a horse collar, measure at the widest point the circumference of either side with a tape line tightly drawn.



No. 16—Black split leather back and rim, imitation baker cloth face, about 14½ in. draft, 16 to 22 in., w't per doz. 65 lbs.....per dozen **JIEJ** $17.30
23 in. .....per dozen **AJFJ** 19.50
24 in. .....per dozen **AAIJ** 21.60

No. 17—Black split leather back and rim, imitation Baker cloth face, whole rim, about 15½ in. draft, 18 to 22 in., w't per doz. 75 lbs., per dozen .....**AAEE** $18.50

Sizes in No. 17 larger than 22 in. not carried in stock.

Made for Southern trade only.

ONE DOZEN IN A SACK.



No. 5—Fair split leather back and rim, tick face, about 14 in. draft, 16 to 21 in., w't per doz. about 60 lbs., per dozen .....**JHFE** $14.00

Sizes larger than 21 in. not carried in stock.

Made for Southern trade only.



No. 20—Black split leather back and rim, ticking face, outside seam thread sewed, middle seam lay-stitched, with Marshall's patent single top fasteners, about 15 in. draft, 18 to 22 in., w't per doz. 72 lbs. ....per dozen **ADCJ** $25.00

Sizes larger than 22 in. not carried in stock.



No. 21—Half Sweeney, black split leather back and rim, ticking face, outside seam thread sewed, middle seam thong stitched, Marshall's patent single top fasteners, about 15 in. draft 17 to 22 in., w't per doz. 72 lbs., per dozen .....**ADHE** $26.00

Sizes larger than 22 in. not carried in stock.

ONE DOZEN IN A SACK.



No. 24—Cruso, imitation Scotch, black split leather back and rim, fair chrome face, pieced back, lay stitching, about 14½ in. draft, 17 to 22 in., w't per doz. 72 lbs., per doz. **BBJJ** $35.70

Sizes larger than 22 in. not carried in stock.

ONE DOZEN IN A SACK.



No. 25—Cruso, "Throatless," imitation Scotch, all russet leather, pieced back, lay stitching, about 14 in. draft, Emerson top fastener, 17 to 21 in., w't per doz. about 72 lbs., per dozen .....**BDGE** $38.50

Made for Southern trade only. Nothing larger than 21 in. in stock.

ONE DOZEN IN A SACK.



No. 28—Cruso, imitation Scotch, black leather back and rim, russet liner or face, extended liner, pieced back, lay stitching, reinforced throat, about 14 in. draft, 17 to 22 in., w't per doz. 76 lbs. .....per dozen **CJHJ** $50.00

Sizes larger than 22 in. not carried in stock.

ONE DOZEN IN A SACK.

EXTRA CHARGES ON HORSE COLLARS: For Cooper's patent couplers add $4.00 per dozen to list.

HORSE COLLARS.



No. 30—Hib-Spe-Bar, imitation Scotch, black leather back and rim, russet liner or face, pieced back, lay stitching, thong stitched buckle piece and billet, reinforced throat, pressed sole leather pad, about 14½ in. draft, 16 to 22 in., w't per doz. 80 lbs., per dozen ..... **CEBJ** $56.50
23 in. .....per dozen **CIFJ** 72.00
Sizes larger than 23 in. not carried in stock.



No. 234—Cruso, imitation Scotch, all russet, pieced back, ribbon lay stitching, wrapped throat, buckle and billet sewed on with thong, pressed sole leather pad, about 14½ in. draft, 17 to 22 in., w't per doz. about 76 lbs., per dozen ..... **CEBJ** $58.50
Sizes larger than 22 in. not carried in stock.
ONE DOZEN IN A SACK.



No. 33—Cruso, "Half Sweeney," black leather back and rim, russet liner or face, extended liner, pieced back, lay stitching, reinforced throat, about 14½ in. draft, 17 to 22 in., w't per doz. about 76 lbs., per dozen ..... **CACE** $51.00
Sizes larger than 22 in. not carried in stock.
ONE DOZEN IN A SACK.



No. 31 REVERSIBLE—"Throatless," imitation Scotch, all russet leather, pieced back, lay stitching, Emerson top fastener, pressed sole leather pad, about 15 in. draft, 17 to 22 in., w't per doz. 85 lbs., per dozen ..... **CFCJ** $60.00
Sizes larger than 22 in. not carried in stock.



No. 32 REVERSIBLE—"Throatless," imitation Scotch, all russet leather, whole back, lay stitching, rawhide wrapped throat piece, Emerson top fastener, pressed sole leather pad, about 16½ in. draft, 17 to 22 in., w't per doz. about 65 lbs., per dozen ..... **DDJJ** $72.00
Sizes larger than 22 in. not carried in stock.
ONE DOZEN IN A SACK.



No. 34 REVERSIBLE—Imitation Scotch, black leather back and rim, russet liner or face, liner with in-swell, whole back, lay stitching, thong stitched buckle piece and billet, reinforced throat, pressed sole leather pad, about 15½ in. draft, 16 to 22 in., w't per doz. 90 lbs., per dozen **DFBJ** $78.50
23 in. .....per dozen **EAIE** 88.30
24 in. .....per dozen **EIAJ** 98.10



No. 40 REVERSIBLE—"Half Sweeney," all russet leather, pieced back, lay stitching, thread sewed out-seam on fenders, reinforced throat, thong stitched buckle piece and billet, pressed sole leather pad, about 15½ in. draft, 18 to 22 in., w't per doz. about 85 lbs., per dozen ..... **CGIE** $62.00
23 in. .....per dozen **DBGJ** 77.70
Sizes larger than 23 in. not carried in stock.
ONE DOZEN IN A SACK.



No. 42 REVERSIBLE—"Imitation Scotch," all russet leather, whole back, ribbon lay stitching, flexible leather throat, pressed sole leather pad, about 15½ in. draft, 17 to 22 in., w't per doz. about 85 lbs. .....per dozen **DDJJ** $71.00
Sizes larger than 22 in. not carried in stock.
ONE DOZEN IN A SACK.



No. 230—Hib-Spe-Bar, "Imitation Scotch," black leather back and rim, pieced back, russet liner or face, thong quilted throat, lay stitching, thong stitched buckle piece and billet, pressed sole leather pad, about 14½ in. draft, 16 to 21 in., w't per doz. about 80 lbs. .....per dozen **CGHJ** $63.00
Sizes larger than 21 in. not carried in stock.

EXTRA CHARGES ON HORSE COLLARS: For Cooper's patent couplers add $4.00 per dozen to list.

HORSE COLLARS.



No. 43 REVENOC — Extra heavy "Half Sweeney," all russet leather, whole back, lay stitching, thong stitched buckle piece and billet, reinforced throat, pressed sole leather pad, about 16 in., draft, 18 to 22 in., w't per doz. about 95 lbs., per dozen **DDJJ** $72.00
23 in. .....per dozen **DIEJ** 81.00
24 in. .....per dozen **EEJJ** 90.00



No. 242 REVENOC—"Half Sweeney," imitation Scotch, all russet leather, whole back, ribbon lay stitching, flexible leather throat, pressed sole leather pad, about 15½ in. draft, 17 to 22 in., w't per doz. about 85 lbs., per dozen .....**DBFJ** $73.00
Sizes larger than 22 in. not carried in stock.

ONE DOZEN IN A SACK.



No. 46 REVENOC—"Imitation Scotch," all russet leather, whole back, ribbon lay stitching in out-seam, two rows thong stitching in middle seam, flexible leather throat, Emerson top fasteners, pressed sole leather pad, about 17 in. draft, 17 to 22 in., w't per doz. about 105 lbs. .....per dozen **DGCJ** $77.00
23 in. .....per dozen **ECBE** 86.70
24 in. .....per dozen **EIAJ** 96.30

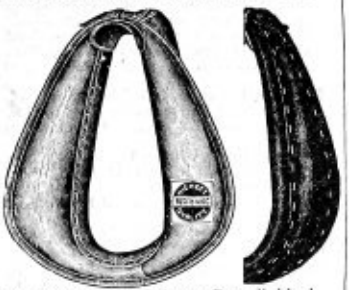
ONE DOZEN IN A SACK.



No. 47 REVENOC—"Half Sweeney," all russet leather, pieced back, ribbon lay stitching in out seam, two rows thong stitching in middle seam, flexible leather throat, Emerson top fasteners, pressed sole leather pad, about 17 in. draft, 18 to 22 in., w't per doz. about 105 lbs., per dozen .....**DGCJ** $76.00
23 in. .....per dozen **ECBE** 85.50
24 in. .....per dozen **EIAJ** 91.20



No. 48 REVENOC—"Half Sweeney," all russet leather, whole back, ribbon lay stitching in out seam, two rows thong stitching in middle seam, flexible leather throat, Emerson top fastener, pressed sole leather pad, about 17 in. draft, 17 to 22 in., w't per doz. 105 lbs.
per dozen .....**DHDJ** $79.00
23 in. .....per dozen **EDDE** 88.90
24 in. .....per dozen **FJEJ** 98.80



No. 55 REVENOC—"Chicago Dray," black leather back and rim, russet liner or face, whole back cased on, buckle piece and billet cased on, lapped throat, pressed sole leather pad, draft about 16 in., 18 to 22 in., w't per doz. about 110 lbs., per dozen **EFAJ** $92.50
23 in. .....per dozen **FCAE** 105.00
24 in. .....per dozen **GJAJ** 115.60



No. 58 REVENOC—"Boston Truck," black leather back and rim, black neats leather liner or face, hair faced, whole back, lay stitching, thong stitched buckle piece and billet, lapped throat, pressed sole leather pad, about 16½ in. draft, 18 to 22 in., w't per doz. 115 lbs., per dozen .....**DIEJ** $84.00
23 in. .....per dozen **EEFE** 94.50
Sizes larger than 23 in. not carried in stock.



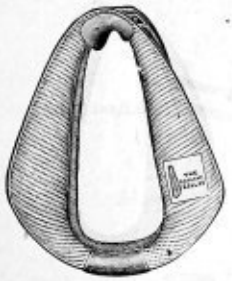
No. 59 REVENOC — "Imitation Scotch," black back and rim, russet liner, gall cure hair pads, "in-swell" whole back, lay stitching, sewed buckle piece and billet, reinforced throat, pressed sole leather pad, about 18½ in. draft, w't per doz. 130 lbs., per dozen, 18 to 22 in. **EBHJ** $88.00
23 in. .....per dozen **EIDJ** 99.00
24 in. .....per dozen **JFFJJ** 110.00



No. 60 REVENOC—"Half Sweeney," imitation Scotch, black back and rim, russet liner, gall cure hair pad, whole back, lay stitching, sewed buckle piece and billet, reinforced throat pressed sole leather pad, about 18½ in. draft, 18 to 22 in., w't per doz. 125 lbs., per dozen .....**EFAJ** $93.50
23 in. .....per dozen **JFCAJ** 105.20
24 in. .....per dozen **JGJAE** 116.90

EXTRA CHARGES ON HORSE COLLARS: For Cooper's patent couplers add $4.00 per dozen to list.

HORSE COLLARS.



No. 23—Extra heavy black waterproofed duck rim and shoulder, with wear leathers, ticking face, thread sewed, double middle seam, gall cure curled hair pad, buckle and billet fasteners, reinforced throat, pressed sole leather pad, about 16½ draft, 17 to 22 in., w't per doz. about 90 lbs., per dozen..... **AFEJ** $30.00

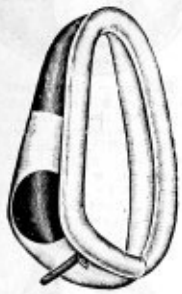
Sizes larger than 22 in. not carried in stock.



No. 110—Sheepskin, buggy, about 10½ in draft, 17 to 22 in., w't per doz. 40 lbs. .....per dozen **AAHE** $21.50

Sizes larger than 22 in. not carried in stock.

LANKFORD



No. 152.

No. 152—Sure Cure, extra heavy white sail duck, stuffed throughout with specially treated cotton, reinforced water proof covering which extends over top and well down on the sides, open throat, cushion top with hame wear leathers, about 15 in. draft, 16 to 22 in., w't per doz. 55 lbs., per dozen★ .....**JIIJ** $18.00

No. 150—Flexicure, heavy sail duck, stuffed throughout with treated, curled cotton, open throat, cushion top with hame and line wear leathers, about 14½ in. draft, 16 to 22 in., w't per doz. 50 lbs. per dozen★ .....**JHBE** $15.00

ONE DOZEN IN A SACK.

HUMANE.



No. 140—Humane draft, harness leather, 17½ in. long, 12 in. wide, 42 sq. in. of pulling surface on each shoulder, made for 1½ in. long tug and stationary trace harness, w't 13 lbs., each ..... **JFFJ** $12.00

No. 141—Humane, for 1¼ in. traces, w't 14 lbs., otherwise same as No. 140, each ..... **JFFJ** $12.00

No. 142—Humane, for 1½ in. slip tug style of harness, w't 12 lbs., otherwise same as No. 140, each .....**JFJE** $11.00

The top is made entirely of leather, top pad made of double thickness of leather shaped to conform to the horse's neck. Yoke curved, hollow steel pipes telescoped into each other. This collar adjusts itself to any size neck by adjustment of the yoke and buckling of neck straps.

ONE DOZEN IN A SACK.

Horse Collars **are used under many conditions in different places and must therefore differ in construction and style.**

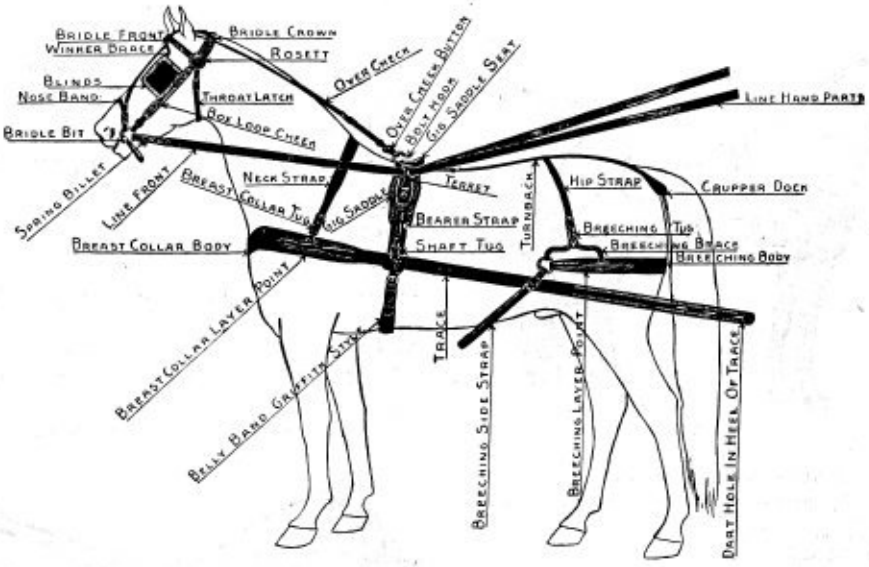
The line here shown is complete in that respect. Regardless of your location you will find shown in these pages the exact model you want at the price you want to pay.

Most important you get, along with price and style, *Quality*. These collars have wide rims giving plenty of hame room, thus preventing the hame slipping off. Neck pads are of sole leather. Their drafts are large and well proportioned. The sewing, the covering and the stuffing are the very best that we can put into that particular collar at that price.

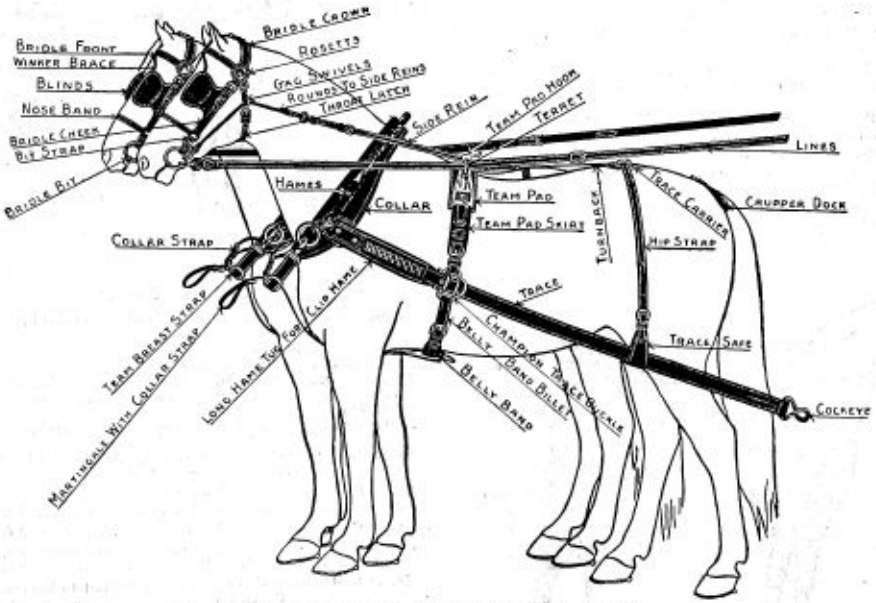
★*FOR FACTORY SHIPMENT ONLY, WATERLOO, IOWA.*

EXTRA CHARGES ON HORSE COLLARS: For Cooper's patent couplers add $4.00 *per dozen to list.*

SINGLE BUGGY HARNESS.



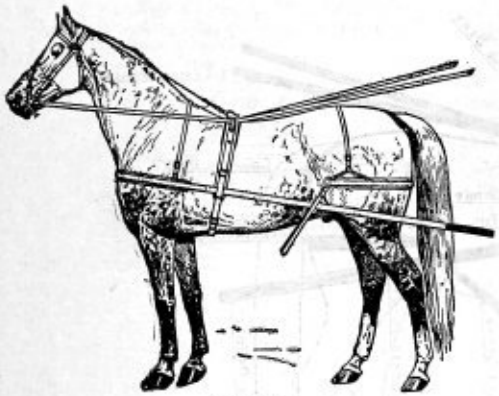
DOUBLE TEAM HARNESS.



WE MAKE IT EASY FOR THE DEALER.

The illustration shown above makes the trade name for the different parts on single and double harness very clear to the dealer. Harness is a line which the hardware dealer will find practical and easy, and one which will aid him largely in increasing his profit account. Our line is very extensive, including everything in the line of Harness and Saddlery Hardware.

HARNESS.



No. 5-Q.

WEB BUGGY.

Bridle—¾ in. cheeks, overcheck with nose band.

Lines—1⅛ in., to loop in bit.

Breast Collar—2 in., straight, with layer.

Traces—1¾ in., all one piece around the breast collar, reinforced with good quality of leather at ends.

Saddle—2½ in.

Shaft Tugs—1⅛ in., double thickness.

Belly Bands—1⅛ in.

Breeching—2 in., with 1⅛ in. layer, ¾ in. single hip strap, ⅞ in. breeching straps, ⅞ in. turnback, round leather crupper.

No. 5-Q—Plain white, XC trimmed .....per set **DEJ** $7.20

This harness is adjustable throughout and is unexcelled for exhibition purposes.

Without hitch straps.

ONE SET IN A PACKAGE. W'T 6 LBS.

SINGLE STRAP TRACK.

Bridle—¾ in., box loop, patent leather blinds, round winker brace, overcheck.

Lines—⅞ in ..to loop in bit.

Breast Collar—1¾ in., straight.

Traces—1¼ in., sewed to breast collar.

Saddle—No. 411, 2½ in., single strap, patent leather jockeys, enameled leather sewed stuffed bottoms, ⅜ in. double and stitched dee bearers, ⅜ in. billets.

Shaft Tugs—⅞ in., with box loops.

Belly Band—1½ in., double and stitched, Griffith style, ¾ in. shaft straps.

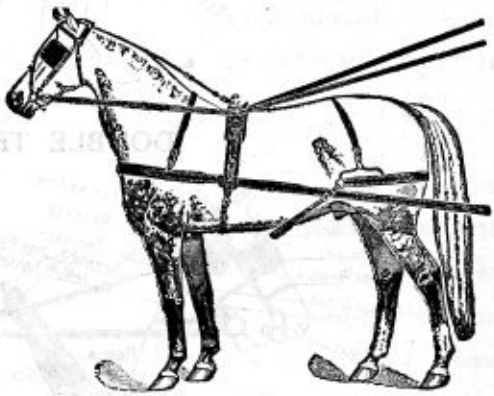
Breeching—1½ in., single strap body, three-ring braces, ¾ in. turnback, ⅝ in. hip strap, ¾ in. breeching straps, round crupper.

No. 55-R—Breast collar, imitation rubber trimmed, saddle only .....per set **ABJJ** $18.00

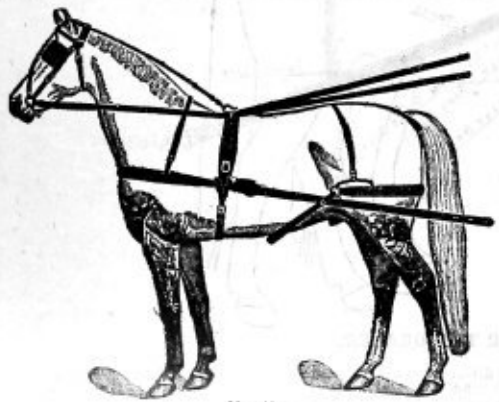
No. 55-S—Breast collar, nickel trimmed, saddle only, per set .....**ABJJ** $18.00

A very durable, medium weight harness, designed to supply the demand for a single strap harness of medium quality and neat in appearance.

ONE SET IN A BOX. W'T ABOUT 22 LBS.



No. 55.



No. 10.

SINGLE BUGGY.

Bridle—¾ in., patent leather blinds, overcheck, flat winker brace.

Lines—¾ in., to loop in bit.

Breast Collar—Folded, with layer.

Traces—1 in., double and stitched, sewed to breast collar.

Saddle—No. 500, 2½ in., iron jockey, enameled cloth lined pad.

Shaft Tugs—⅞ in.

Belly Band—⅞ in., single strap, Griffith style, ¾ in. shaft strap.

Breeching—Folded, with layer, ¾ in. turnback, ⅝ in. hip strap, ¾ in. breeching strap, folded crupper.

No. 10-P—Breast collar, japanned trimmed, per set .....**JGJJ** $11.50

No. 10-Q—Breast collar, XC trimmed ....per set **JGJJ** 11.50

No. 10-A—Hame and collar, traces riveted to hames, japanned trimmed, with No. 110 collar .....per set **JGIJ** $13.30

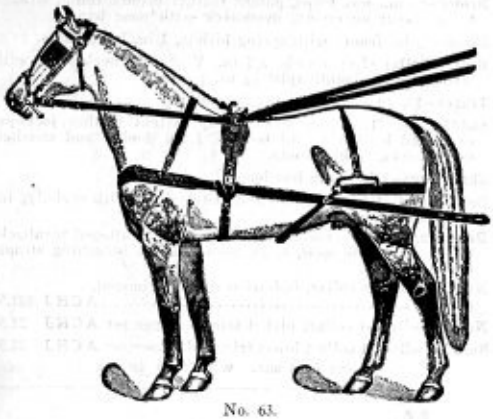
No. 10-B—Hame and collar, traces riveted to hames, XC trimmed, with No. 110 collar .....per set **JGIJ** $13.30

This is a much better harness than the price would indicate and will serve the purpose for which it is intended, to sell CHEAP.

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 20 LBS.

HARNESS.



No. 63.

SINGLE STRAP TRACK.

Bridle—⅝ in., box loops, patent leather blinds, round winker brace, layer on crown, overcheck with nose band.

Lines—⅞ in. fronts, to loop in bit with box loops, 1 in. hand parts.

Breast Collar—2½ in., "V" shaped.

Traces—1¼ in., sewed to breast collar.

Saddle—No. 414, 3 in., single strap, patent leather jockeys, enameled leather sewed bottom, 1 in. double and stitched dee bearers, ⅞ in. billets.

Shaft Tugs—1 in., with box loops.

Belly Bands—1½ in., double and stitched, Griffith style, ⅞ in. shaft strap.

Breeching—1¾ in., single strap body, ⅞ in. scalloped turnback, ¾ in. hip straps, ⅞ in. breeching straps, round crupper.

No. 63-R—Breast collar, imitation rubber trimmed, per set ..... **ACBJ** $20.00

No. 63-S—Breast collar, nickel trimmed..per set **ACBJ** 20.00

A heavy, durable single strap harness of same quality and dimensions of harness selling for $1.00 *to* $2.00 *more and differing only in the mechanical finish on edges and scalloped points. Without hitch strap.*

ONE SET IN A BOX. W'T ABOUT 25 LBS.

SINGLE STRAP BUGGY.

Bridle—⅝ in. flat cheeks with reverse buckles, layer on crown, overcheck with nose band.

Lines—⅞ in. fronts to loop in bit, 1 in. hand parts.

Breast Collar—2¼ in., "V" shaped, single strap, box loop lead ups, ⅝ in. forked neck strap with line terrets.

Traces—1¼ in., single strap, sewed to breast collar.

Saddle—No. 411, 2½ in. "flexible strap," japanned seat, patent leather jockeys, enameled leather sewed bottom, harness leather skirts, ⅞ in. dee bearers, ⅞ in. billets.

Shaft Tugs—⅞ in., with box loops.

Belly Bands—1½ in., double and stitched, Griffith style, ¾ in. shaft straps.

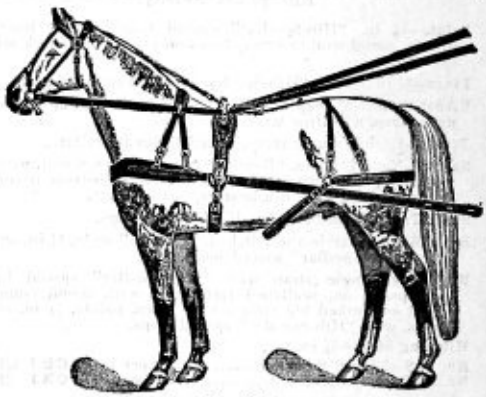
Breeching—1¾ in., single strap body, ⅞ in. scalloped turn back with round crupper sewed on, forked hip straps with ⅝ in. points, ¾ in. side straps, ⅝ in. box loop lead up.

No. 64-R—Breast collar, imitation rubber trimmed, per set ..... **ABCJ** $19.40

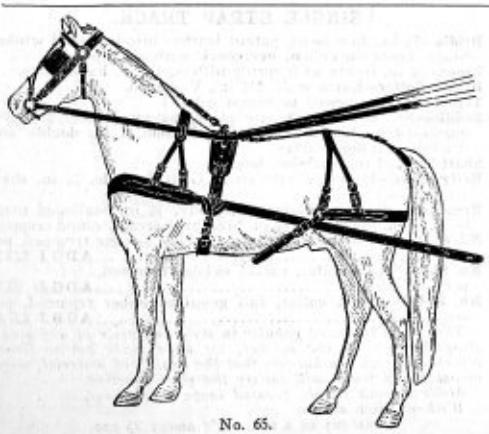
No. 64-S—Breast collar, nickel trimmed..per set **ABCJ** 19.40

No. 64½-R—With blind bridle, otherwise same as No. 64-R, per set ..... **ABGJ** $20.00

No. 64½-S—With blind bridle, otherwise same as No. 64-S, per set ..... **ABGJ** $20.00



No. 64.



No. 65.

SINGLE BUGGY.

Bridle—⅝ in. box loop cheeks, patent leather blinds, round winker braces, layers on crown, overcheck with nose band.

Lines—⅞ in. fronts with spring billets, 1 in. russet hand parts.

Breast Collar—2¼ in. V-shaped, single strap, box loop lead-ups, ⅝ in. forked neck strap, with line terrets.

Traces—1¼ in. single strap, sewed to breast collar.

Saddle—No. 411, 2½ in. half track flexible tree, japanned seat, patent leather jockeys, enameled leather sewed bottom, harness leather skirts, ⅞ in. dee bearers, ⅞ in. billets.

Shaft Tugs—⅞ in. with box loops.

Belly Bands—1½ in. double and stitched, Griffith style, ¾ in. shaft straps.

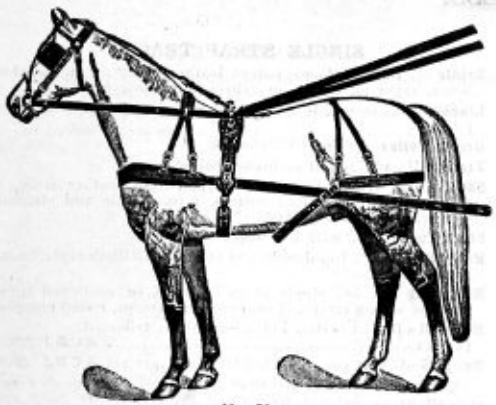
Breeching—1¾ in. single strap body, ⅞ in. scalloped turnback, with round crupper buckled on, forked hip straps, with ⅝ in. points, ⅝ in. box loop lead-ups, ⅞ in. side straps.

No. 65R—Imitation rubber trimmed .....per set **ABCJ** $20.50

No. 65S—Nickel trimmed .....per set **ABCJ** 20.50

ONE SET IN A BOX. W'T ABOUT 26 LBS.

HARNESS.



No. 73.

SINGLE STRAP BUGGY.

Bridle—⅝ in., box loops, patent leather blinds, round winker brace, layer on crown, overcheck with nose band.

Lines—⅞ in. fronts with spring billets, 1 in. hand parts.

Breast Collar—Extra wide, 2¼ in., V shaped, neck strap with rein holders, double split ⅝ in. points.

Traces—1¼ in., sewed to breast collar.

Saddle—No. 414, 3 in., single strap, patent leather jockeys, enameled leather sewed bottom, 1 in. double and stitched dee bearers, ⅞ in. billets.

Shaft Tugs—1 in., with box loops.

Belly Band—1⅝ in., double and stitched, Griffith style, ⅞ in. wrap straps.

Breeching—1⅝ in. single strap body, ⅞ in. scalloped turnback, hip strap double split, ⅝ in. points, ⅞ in. breeching straps, round crupper.

No. 73R—Breast collar, imitation rubber trimmed, per set ..... **ACHJ** $21.50

No. 73-S—Breast collar, nickel trimmed..per set **ACHJ** 21.50

No. 73-T—Breast collar, brass trimmed....per set **ACHJ** 21.50

ONE SET IN A BOX. W'T ABOUT 26 LBS.

SINGLE BUGGY.

Hib-Spe-Bar Novelty.

Bridle—⅝ in. "Hib-Spe-Bar" spaced loops, patent leather blinds, round winker brace, layer on crown, overcheck with nose band.

Lines—⅞ in. fronts, "Hib-Spe-Bar" loops, 1 in. hand parts.

Breast Collar—V shaped, "Hib-Spe-Bar" loop lead-ups, forked neck strap, with line terrets.

Traces—1¼ in., single strap, sewed to breast collar.

Saddle—No. 411, 2½ in. "flexible strap," japanned seat, patent leather jockeys, enameled leather sewed in bottom, harness leather skirts, ⅞ in. dee bearers, ⅞ in. billets.

Shaft Tugs—⅞ in. "Hib-Spe-Bar" spaced loops.

Belly Band—Double and stitched, "Griffith" style, ¾ in. wrap strap "Hib-Spe-Bar" spaced loops.

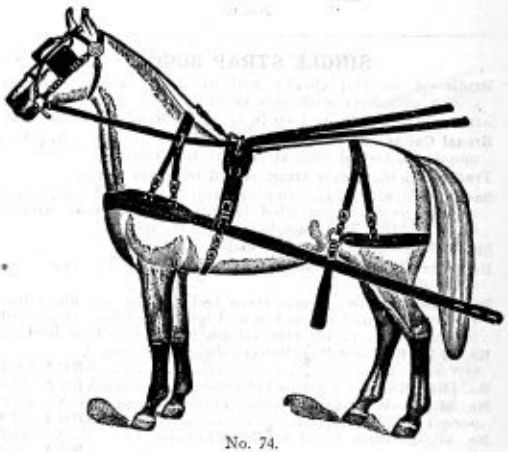
Breeching—Single strap with "Hib-Spe-Bar" spaced loop lead-ups, ¾ in. scalloped turn back, with round crupper sewed on, forked hip straps, with ⅝ in. points, ¾ in. side straps, with "Hib-Spe-Bar" spaced loops.

Hitching Strap—⅝ in.

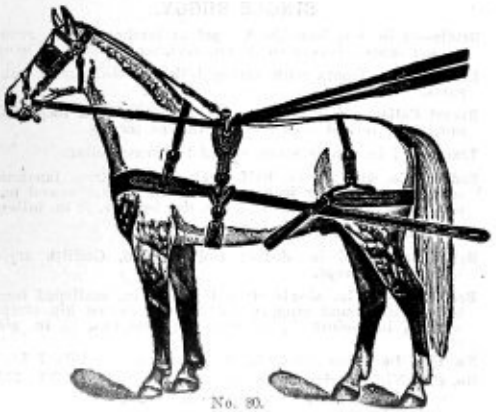
No. 74-S—Nicked trimmed.....per set **ACBJ** $21.50

No. 74-T—Brass trimmed .....per set **ACBJ** 21.50

ONE SET IN A BOX. W'T ABOUT 25 LBS.



No. 74.



No. 80.

SINGLE STRAP TRACK.

Bridle—⅝ in., box loops, patent leather blinds, round winker brace, layer on crown, overcheck with nose band.

Lines—⅞ in. fronts with spring billets, 1⅛ in. hand parts.

Breast Collar—Extra wide, 2¼ in., V shaped.

Traces—1¼ in., sewed to breast collar.

Saddle—No. 413, 3 in. single strap, patent leather jockeys, enameled leather sewed stuffed bottom, 1 in. double and stitched oval dee bearers.

Shaft Tugs—1 in., with box loops.

Belly Band—1⅛ in., single strap, Griffith style, ⅞ in. shaft straps.

Breeching—1⅝ in., single strap body, ⅞ in. scalloped turnback, ¾ in. hip straps, ⅞ in. breeching straps, round crupper.

No. 80-R—Breast collar, imitation rubber swedge trimmed, per set ..... **ADGJ** $23.50

No. 80-S—Breast collar, nickel swedge trimmed, per set ..... **ADGJ** 23.50

No. 80-CC—Breast collar, full genuine rubber trimmed, per set ..... **AGBJ** $27.80

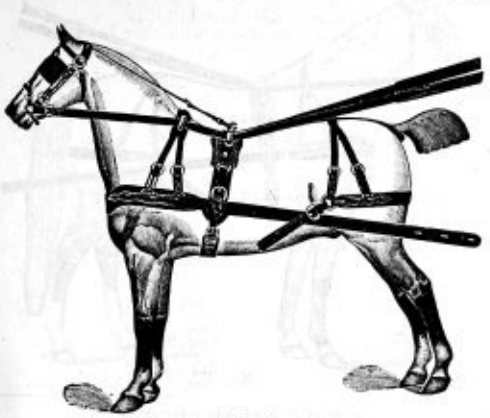
This being the most popular in style and price of any single strap harness on the market, we have made extraordinary efforts to provide a harness that the quality of material, workmanship and finish will satisfy the most exacting.

Made smooth finish, pressed loops throughout.

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 25 LBS.

HARNESS.



No. 98.

SINGLE STRAP BUGGY.

Bridle—¾ in. box loop cheeks, patent leather blinds, round winker braces, layer on crown, overcheck with nose band.
Lines—1 in. fronts with spring billets, 1½ in. hand parts.
Breast Collar—2½ in., "V" shaped, single strap, forked neck strap with line terrets.
Traces—1½ in. single strap, sewed to breast collar.
Saddle—No. 430, 3 in. "flexible strap," japanned seat, long patent leather jockeys, enameled leather sewed bottom, 1 in. doubled and stitched dee bearers, ¾ in. billets.
Shaft Tugs—1 in., with box loop.
Belly Band—1 5/8in., doubled and stitched, "Griffith" style, ⅞ in. wrap straps.
Breeching—1⅞ in. single strap body, ⅞ in. scalloped turn back with round crupper sewed on, forked hip strap with ¾ in. point, 1 in. side straps.

No. 98-R—Breast collar, imitation rubber swedge trimmed, per set ..... **AFHJ** $26.00
No. 98-S—Breast collar, nickel swedge trimmed, per set ..... **AFHJ** 26.50
No. 98-T—Breast collar, brass swedge trimmed, per set ..... **AFHJ** 26.50

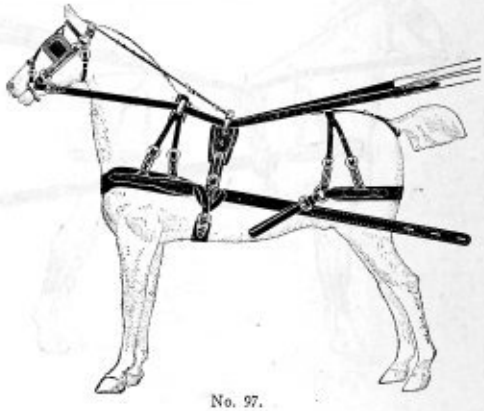
ONE SET IN A BOX. W'T ABOUT 27 LBS.

SINGLE STRAP BUGGY.

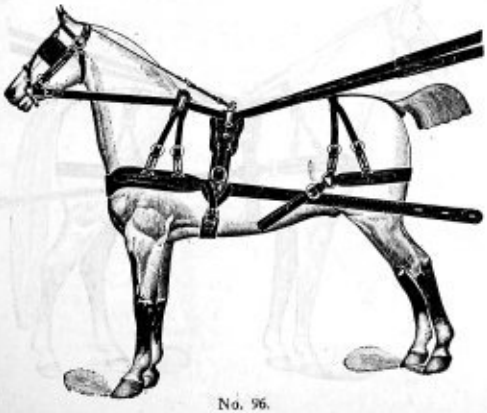
Bridle—⅝ in. box loop cheeks, patent leather blinds, round winker braces, layer on crown, overcheck with nose band.
Lines—⅞ in. fronts with spring billets, 1⅛ in. russet hand parts.
Breast Collar—Extra heavy, 2¾ in. V-shaped, single strap, neck strap double, with loose line rings.
Traces—1¼ in. extra heavy, single strap sewed to breast collar.
Saddle—No. 413, 3 in. single strap, patent leather jockeys, enameled leather sewed stuffed bottom, 1 in. double and stitched dee bearers.
Shaft Tugs—1 in. with box loops.
Belly Bands—1⅝ in. double and stitched, Griffith style, ⅞ in. shaft straps.
Breeching—1⅝ in. single strap body, ⅞ in. scalloped turn-back, with round crupper buckled on, forked hip straps, with ⅝ in. points, ⅝ in. box loop lead-ups, 1 in. side straps.

No. 97R—Imitation rubber trimmed .....per set **AEGJ** $24.50
No. 97S—Nickel trimmed .....per set **AEGJ** 24.50
No. 97T—Brass trimmed .....per set **AEGJ** 24.50

ONE SET IN A BOX. W'T ABOUT 26 LBS.



No. 97.



No. 96.

SINGLE STRAP BUGGY.

Bridle—⅝ in. box loop cheeks, patent leather blinds, round winker braces, layer on crown, overcheck with nose band.
Lines—⅞ in. fronts with spring billets, 1⅛ in. hand parts.
Breast Collar—Extra heavy, 2¾ in., V-shaped, single strap, neck strap double, with loose line rings.
Traces—1¼ in., extra heavy, single strap sewed to breast collar.
Saddle—No. 413, 3 in. single strap, patent leather jockeys, enameled leather sewed stuffed bottom, 1 in. double and stitched dee bearers.
Shaft Tugs—1 in. with box loops.
Belly Bands—1⅝ in. single strap, Griffith style, ⅞ in. shaft straps.
Breeching—1⅝ in. single strap body, ⅞ in. scalloped turn back, ⅝ in. double hip straps, ⅞ in. breeching straps.

No. 96R—Breast collar, imitation rubber swedge trimmed, per set ..... **AEFJ** $25.00
No. 96S—Breast collar, nickel swedge trimmed, per set ..... **AEFJ** 25.00
No. 96T—Breast collar, brass swedge trimmed, per set ..... **AEFJ** 25.00

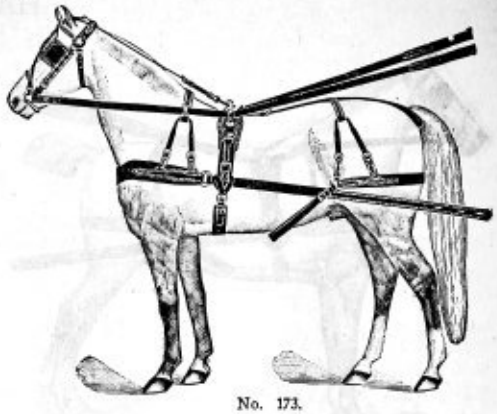
Above number of harness made from heavy selected stock, plain smooth finish, round edge throughout, without hitch strap. Furnished as described only. Make no changes.

ONE SET IN A BOX. W'T ABOUT 26 LBS.

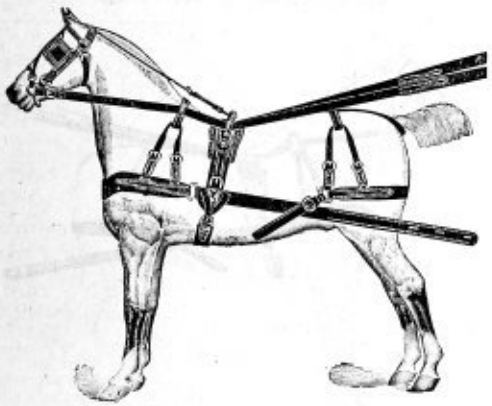
HARNESS.

SINGLE STRAP BUGGY.

Bridle—⅝ in. box loops, patent leather blinds, round winker braces layer on crown, overcheck with nose band.
Lines—⅞ in., fronts with spring billets, 1 in. hand parts.
Breast Collars—Extra wide 2¾ in., "V" shaped single strap, 1⅝ in. double and stitched center neck strap with line terrets, round forks, ⅝ in. box loop lead-ups.
Traces—1¼ in., single strap, sewed to ring at layer end of breast collar.
Saddle—No. 434, 2¾ in., half track flexible tree, swell patent leather jockeys, neats leather bead and binding, enameled leather sewed stuffed bottom, 1 in. double and stitched raised dee bearers, 17⅛ in. harness leather skirts, ⅞ in. billets.
Shaft Tugs—1 in., with box loops.
Belly Bands—1½ in., double and stitched, Griffith style, ⅞ in. wrap straps.
Breeching—1½ in. single strap body, ⅞ in. scalloped and wave stitched turn backs, with round crupper sewed on, 1 in. double and stitched center hip straps with round forks to center hip strap, ⅝ in. box loop lead-ups, ⅞ in. side straps.
No. 173R—Breast collar, imitation rubber trimmed, per set ..... ADGJ $23.00
No. 173-S—Breast collar, nickel trimmed, per set ADGJ 23.00
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 26 LBS.



No. 173.



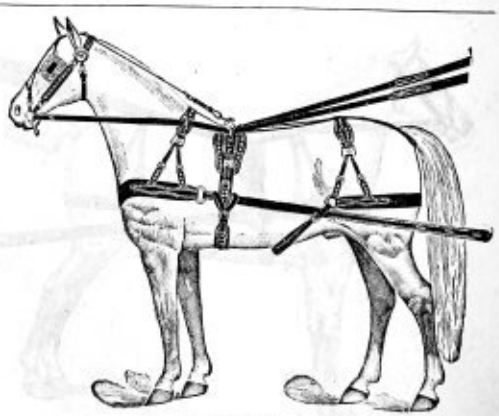
No. 196.

SINGLE STRAP BUGGY.

Bridle—⅝ in. box loop cheeks, patent leather blinds, round winker brace, layer on crown, overcheck with nose band.
Lines—⅞ in., fronts with spring billets, 1⅛ in. band parts.
Breast Collar—Extra heavy, 2¾ in., "V" shaped single strap, 1¼ in. double and stitched center neck strap with line terrets, round forks, ⅝ in. box loop lead-ups.
Traces—1¼ in., single strap sewed to ring at layer end of breast collar.
Saddle—No. 437, 2¾ in. half track flexible tree, straight harness leather jockeys with shaped harness leather yoke, swell harness leather housings with neats leather bead and binding, enameled leather sewed stuffed bottom, 1 in. double and stitched raised dee bearers, 2 in. continuous one-piece harness leather skirts, ⅞ in. billets.
Shaft Tugs—1 in., with box loops.
Belly Bands—1½ in., single strap Griffith style, ⅞ in. wrap straps.
Breeching—1½ in. single strap body, ⅞ in. scalloped and wave stitched turn back with round cruppers sewed on, 1⅛ in. double and stitched center hip strap with round forks to center hip straps, ⅝ in. box loop lead-ups, ⅞ in. side straps.
No. 196-R—Breast Collar, imitation rubber swedge trimmed, per set ..... AFCJ $26.50
No. 196-S—Breast Collar, nickel swedge trimmed, per set ..... AFCJ 26.50
No. 196-T—Breast Collar, brass swedge trimmed, per set ..... AFCJ 26.50
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 28 LBS.

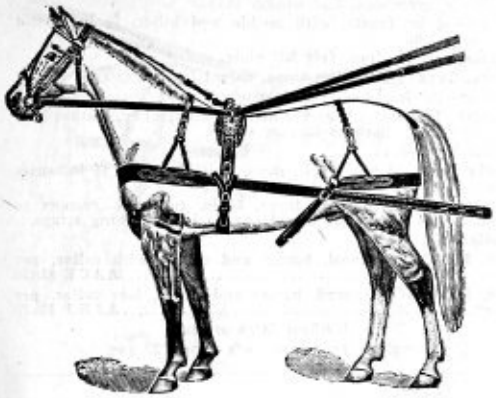
"SPOT LOOP" SINGLE BUGGY.

Bridle—⅝ in. spotted box loop cheeks, patent leather blinds, round winker braces, layer on crown, overcheck, with nose band, spotted patent leather front.
Lines—⅞ in., fronts with spring billets, 1⅛ in. hand parts.
Breast Collar—2¾ in., "V" shaped, single strap, line terrets on spotted swell double and stitched neck strap with ornament below, double neck strap stitched into ornament, spotted box loop lead-ups.
Traces—1¼ in., extra heavy single strap sewed to ring at layer end of breast collar.
Saddle—No. 448, 3 in., flexible strap, japanned seat, patent leather jockeys, spotted and fancy stitched patent leather housings, neats leather head and binding, enameled leather sewed stuffed bottom, 2 in. continuous one-piece harness leather skirts, 1 in. ornament dee bearers, ⅞ in. billets.
Shaft Tugs—1 in., with spotted box loops.
Belly Bands—1½ in., double and stitched, Griffith style, ⅞ in. wrap straps.
Breeching—1⅝ in., single strap body, ⅞ in. scalloped turn backs, with round crupper sewed on, swell double and stitched spotted center hip strap with ornament, ⅝ in. double hip straps stitched into ornament, spotted box loop lead-ups, ⅞ in. side straps.
No. 197-S—Nickel swedge trimmed.....per set AHFJ $30.00
No. 197-T—Brass swedge trimmed .....per set AHFJ 30.00
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 30 LBS.



No. 19

HARNESS.



No. 200.

SINGLE STRAP BUGGY.

"Black and Tan."

Bridle—¾ in. russet leather box loop cheeks, russet leather over check with nose band.
Lines—⅞ in. fronts, spring billets, 1⅛ in. russet hand parts.
Breast Collar—2¾ in., "V" shaped single strap, 1¼ in. lined and stitched center neck strap with line terrets, ¾ in. raised lined and stitched forks with ring and buckle and russet box loop.
Traces—1¼ in., single strap sewed to breast collar.
Saddle—3 in. "flexible strap," russet leather jockeys with fancy stitching and spots, continuous one-piece skirts, enameled leather sewed stuffed bottom, 1 in. double and stitched oval dee bearers.
Shaft Tugs—1 in., russet leather box loops.
Belly Bands—2 in., Griffith style, ⅞ in. wrap straps.
Breeching—1¾ in. single strap body, ¾ in. scalloped and wave stitched turn back with round crupper sewed on, 1⅝ in. fancy center hip strap, ⅝ in. raised lined and stitched forks with rings and buckles and russet leather box loops, ⅞ in. side straps.
Hitching Straps—⅝ in.

No. 200-S—Nickel trimmed ..... per set **AFBJ** $26.00
No. 200-T—Brass trimmed ..... per set **AFBJ** 26.00
No. 201-S—Nickel trimmed, with blind bridle, per set ..... **AFEJ** 26.50
No. 201-T—Brass trimmed, with blind bridle, per set ..... **AFEJ** 26.50

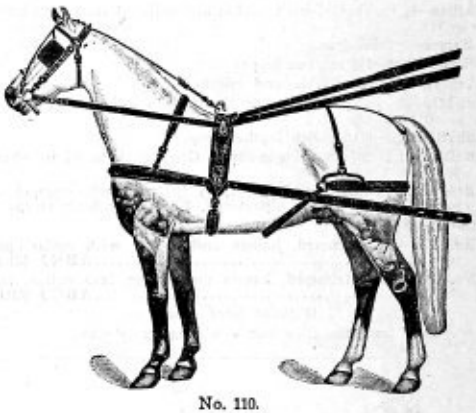
ONE SET IN A BOX. W'T ABOUT 25 LBS.

LIGHT SINGLE ROAD.

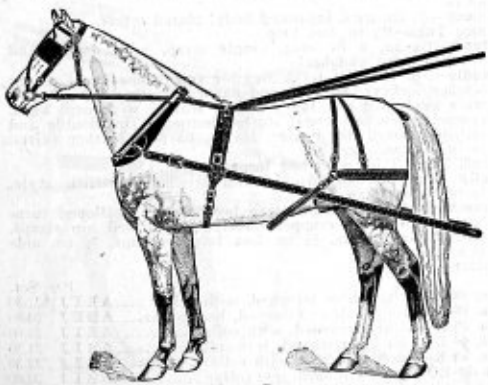
Bridle—½ in. box loop cheeks, patent leather blinds, round winker brace, fold under crown, overcheck with patent leather nose band, round throat latch.
Lines—⅞ in. fronts, with spring billets, 1⅛ in. hand parts.
Breast Collar—Enameled leather fold with raised layer.
Traces—1¼ in. heavy single strap, attached to breast collar.
Saddle—2½ in. flexible, hand laced, covered seat, patent leather jockey and patent leather skirts, full enameled leather pad, dee bearers.
Shaft Tugs—⅞ in., with box loops.
Belly Band—Enameled leather fold, sliding girth to wrap.
Breeching—Enameled leather fold, with raised layer, ⅝ in. turnback, ½ in. hip strap sewed in on one side, reverse buckle on other side, ¾ in. breeching straps, round crupper.

No. 110-R—Breast collar, imitation rubber trimmed, per set ..... **AHCJ** $29.00
No. 110-CC—Breast collar, full genuine rubber trimmed, per set ..... **BACJ** 33.30

ONE SET IN A BOX. W'T ABOUT 20 LBS.



No. 110.



No. 14B.

SINGLE STRAP BUGGY.

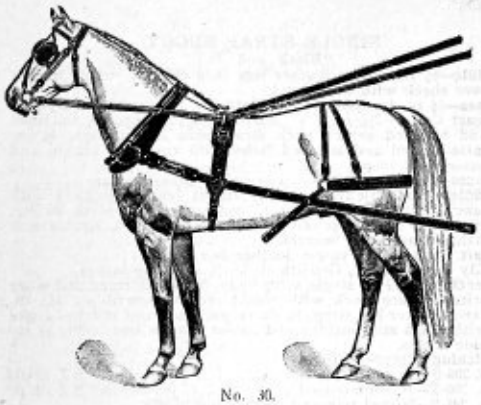
Bridle—¾ in. cheeks, overcheck, flat winker stay.
Lines—¾ in. fronts, snaps sewed in, ⅞ in. hand parts.
Hames—3½ lb., iron, full XC plate.
Hame Tugs—With bar buckles.
Traces—1 in., double and stitched.
Saddle—2½ in., iron jockey tree, full enamel cloth lined pad.
Shaft Tugs—⅞ in. bar buckles.
Belly Bands—⅞ in., flat, Griffith style, ¾ in. shaft straps.
Breeching—Folded, with layer, ¾ in. turnback, with folded crupper to buckle, ½ in. double hip straps, ¾ in. breeching straps.
Collar—No. 110.

No. 14B—XC trimmed, hames and collar, with collar, per set ..... **JIJJ** $13.80

This harness is designed for light usage only, as the dimensions and price indicate, but where collar and hames are desired. In ordering, give size of collar required.

Without hitch strap.

HARNESS.



No. 30.

SINGLE BUGGY.

Bridle—⅝ in. cheeks, box loops, patent leather sensible blinds, overcheck, flat winker stays.
Lines—¾ in. fronts, with buckle and billet, ⅞ in. russet hand parts.
Hames—3½ lb. iron, full XC plate.
Hame Tugs—1⅝ in., box loops, patent leather safes.
Traces—1½ in., double and stitched.
Saddle—3 in., patent leather housing and jockey, leather pad, single strap harness leather skirts.
Shaft Tugs—1 in.
Belly Band—⅞ in., single strap, Griffith style, ⅝ in. shaft strap.
Breeching—Folded, with layer, ⅞ in. turnback, crupper to buckle, ⅝ in. double hip straps, ¾ in. breeching straps.
Collar—No. 110.
No. 30B—XC trimmed, hames and collar, with collar, per set ..... **AACE** $18.50
No. 30BO—XC trimmed, hames and collar, less collar, per set ..... **AJEJ** $16.70

Without hitch straps.

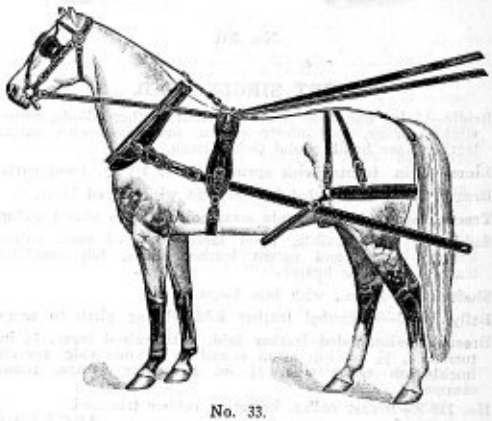
ONE SET IN A BOX. W'T ABOUT 27 LBS.

SINGLE BUGGY OR SURREY.

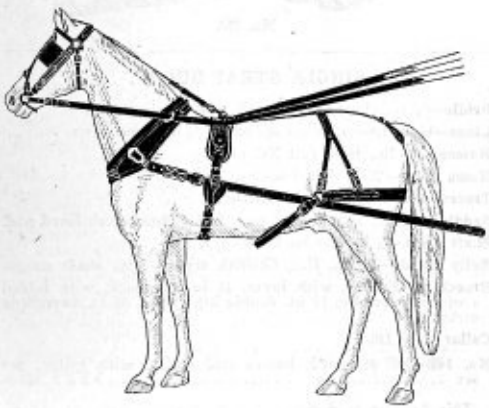
Bridle—¾ in. cheeks, box loops, patent leather sensible blinds, overcheck, flat winker stays.
Lines—⅞ in. fronts, with buckle and billet, 1 in. russet hand parts.
Hames—3½ lb. iron.
Hame Tugs—1¼ in., box loops.
Traces—1¼ in., double and stitched.
Saddle—3½ in., patent leather skirts, iron jockey tree, enamel cloth pad.
Shaft Tugs—1 in., with leather loop.
Belly Band—1⅛ in., single strap, Griffith style, ¾ in. shaft straps.
Breeching—Folded, with layer, ⅞ in. turnback, crupper to buckle, ¾ in. double hip straps, ⅞ in. breeching straps.
Collar—No. 110.
No. 33B—XC trimmed, hames and collar, with collar, per set ..... **ABHJ** $21.30
No. 33BO—XC trimmed, hames and collar, less collar, per set ..... **ABCJ** $20.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 30 LBS.



No. 33.



No. 69.

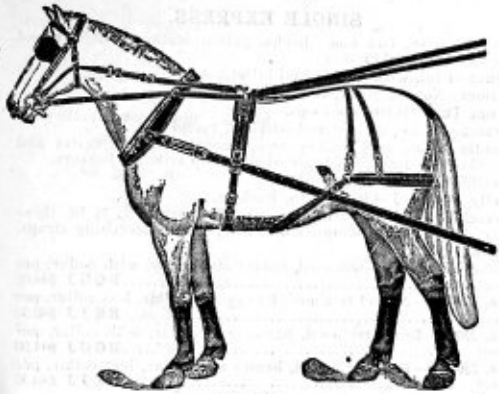
SINGLE BUGGY.

Bridle—⅝ in. box loop cheeks, patent leather blinds, round winker braces, layers on crown, overcheck with nose band.
Lines—⅞ in. fronts with spring billets, 1 in. russet hand parts.
Hames—3½ lb. iron, japanned body, plated terret.
Hame Tugs—1¼ in. box loop.
Traces—1¼ in. 6 ft. long, single strap, with double and stitched point and heel.
Saddle—No. 445, half track flexible trees, long swell patent leather jockeys, with shaped harness leather layer, extra wide swell pad top, fancy patent leather wide oval bead, enameled leather sewed stuffed bottom, 1 in. double and stitched raised dee bearer, 1⅜ in. harness leather skirts, ⅞ in. billets.
Shaft Tugs—1 in. with box loops.
Belly Band—1½ in. double and stitched, Griffith style, ¾ in. shaft straps.
Breeching—1¾ in. single strap body, ⅞ in. scalloped turnback, with round crupper buckled on, forked hip straps, with ⅝ in. points, ⅝ in. box loop lead-ups, ⅞ in. side straps.
Collar—No. 110.

		Per Set.
No. 69-C—Imit. rubber trimmed, with collar	**AEIJ**	$22.30
No. 69-CO—Imit. rubber trimmed, less collar	**ABEJ**	20.80
No. 69-D—Nickel trimmed, with collar	**AEIJ**	23.00
No. 69-DO—Nickel trimmed, less collar	**ABIJ**	21.50
No. 69-E—Brass trimmed, with collar	**AEIJ**	22.30
No. 69-EO—Brass trimmed, less collar	**ABIJ**	20.80

ONE SET IN A BOX. W'T ABOUT 30 LBS.

HARNESS.



No. 222.

LIGHT DELIVERY.

Bridles—¾ i.n. box loop cheeks, sensible blinds, round reins and winker stay.
Lines—1 in., with buckle and billet.
Hames—Wood gig, iron bound.
Hame Tugs—1¼ in., with box loops.
Traces—1¼ in., double and stitched with dart hole.
Saddle—3½ in., iron jockey tree, harness leather skirts, patent leather housings, leather pad, 1¾ in. double and stitched bearers.
Shaft Tugs—1¼ in. box loop, with dees.
Belly Bands—Inside folded, outside single.
Breeching—Folded, with layer, 1 in. turnback with round crupper to buckle, ¾ in. double hip straps, 1 in. breeching straps.
Collar—No. 28.
No. 222-B—XC trimmed, hame and collar, with collar, per set ..... **AGGJ** $29.50
No. 222-BO—XC trimmed, hame and collar, less collar, per set ..... **AEIJ** $25.20

Without hitch strap.

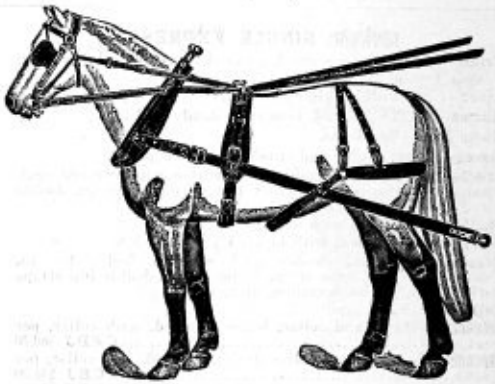
ONE SET IN A BOX. W'T ABOUT 32 LBS.

SINGLE EXPRESS.

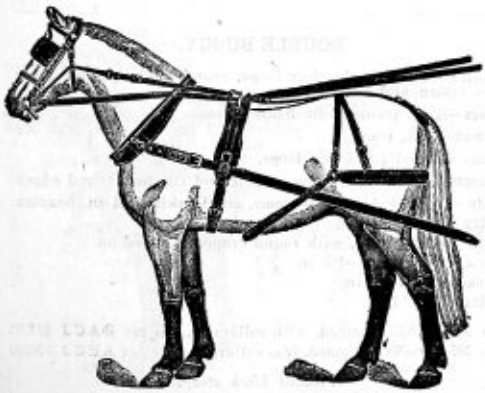
Bridles—¾ in. box loop cheeks, patent leather sensible blinds, round reins and winker stays.
Lines—1 in. with buckle and billet.
Hames—No. 516, wood, brass ball tops.
Hame Tugs—With box loops.
Traces—1½ in., double and stitched.
Saddle—4½ in., iron jockey tree, harness leather skirts, kersey pad, 1½ in. double and stitched bearers.
Shaft Tugs—1½ in., box loop, with dees.
Belly Bands—Folded, 1¼ in. buckles.
Breeching—Folded, with layer, 1⅜ in. turnback, with round crupper to buckle, ⅞ in. double hip straps with spots, 1¼ in. breeching straps.
Collar—No. 24.
No. 226-A—Japanned trimmed, hames and collar, with collar, per set ..... **ADJJ** $36.00
No. 226-AO—Japanned trimmed, hames and collar, less collar, per set ..... **BABJ** $33.30
No. 226-EE—Brass trimmed saddle only, hames and collar, with collar ..... **BDIJ** $37.00
No. 226-EEO—Brass trimmed saddle only, hames and collar, less collar ..... **BBAJ** $34.30

Without hitch strap.

ONE SET IN A BOX. W'T ABOUT 35 LBS.



No. 226.



No. 227.

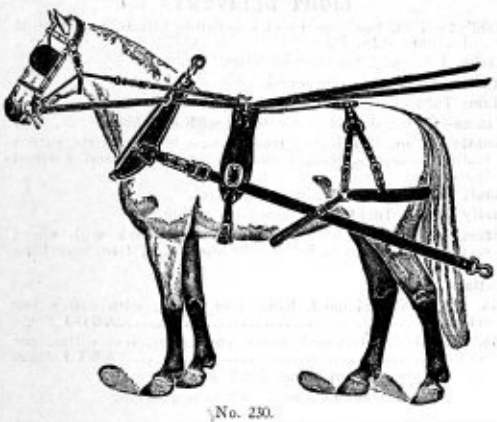
SINGLE EXPRESS.

Bridle—⅝ in. box loop cheeks, patent leather blinds, round reins and winker stay, nose band.
Lines—1 in., with buckle and billet.
Hames—4 lb. iron.
Hame Tugs—With box loops.
Traces—1¼ in., double and stitched.
Saddle—4 in., iron jockey tree, harness leather skirts, kersey pad, 1¼ in. double and stitched bearers.
Shaft Tugs—1¼ in. box loop, with dees.
Belly Bands—Inside folded, outside single.
Breeching—Folded, with straight layer, ⅞ in. turnback, with round crupper to buckle, ¾ in. double hip straps, 1 in. breeching strap.
Collar—No. 118.
No. 227-E—Hame and collar, brass trimmed, with collar, per set ..... **BDCJ** $34.00
No. 227-EO—Hame and collar, brass trimmed, less collar, per set ..... **BAIJ** $30.20

Without choke or hitch straps.

ONE SET IN A BOX. W'T ABOUT 35 LBS.

HARNESS.



No. 230.

SINGLE EXPRESS.

Bridle—¾ in. box loop cheeks, patent leather blinds, round reins and winker stay.
Lines—1 in., with buckle and billet.
Hames—No. 516, wood, red, brass ball tops.
Hame Tugs—With box loops.
Traces—1½ in., double and stitched, round edge.
Saddle—5 in., iron jockey tree, harness leather skirts and jockeys, kersey pad, 1½ in. double and stitched bearers.
Shaft Tugs—1½ in., with dees.
Belly Bands—Folded, 1¼ in. buckles.
Breeching—Folded, with layer, 1⅛ in. turnback, ⅞ in. three ring, double hip straps, with spots, 1⅛ in. breeching straps.
Collar—No. 28.
No. 230-D—Nickel trimmed, hames and collar, with collar, per set ..... **BGGJ** $44.00
No. 230-DO—Nickel trimmed, hames and collar, less collar, per set ..... **BEJJ** $40.30
No. 230-E—Brass trimmed, hames and collar, with collar, per set ..... **BGGJ** $44.00
No. 230-EO—Brass trimmed, hames and collar, less collar, per set ..... **BEJJ** $40.30

Without hitch strap.

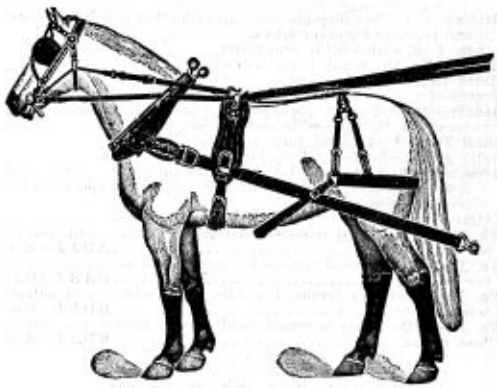
ONE SET IN A BOX. W'T ABOUT 40 LBS.

REVONOC SINGLE EXPRESS.

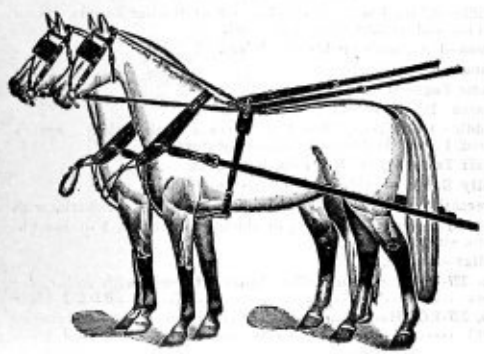
Bridle—¾ in. box loop cheeks, round reins and winker stay, fancy face piece.
Lines—1 in., with buckle and billet.
Hames—No. No. 576, red, long spot, dandy ball top.
Hame Tugs—Box loops.
Traces—1½ in., double and stitched, round edge.
Saddle—5 in., patent leather jockey tree with covered seat, harness leather skirts, kersey pad sewed in, 1½ in. double and stitched bearers.
Shaft Tugs—1½ in., with dees.
Belly Bands—Folded, with layer, 1¼ in. buckles.
Breeching—1⅝ in., double and stitched body, 1¼ in. double reversed back strap, ⅞ in. 3 ring double hip straps with spots, 1¼ in. breeching straps.
Collar—No. 50.
REVONOC-E—Hame and collar, brass trimmed, with collar, per set ..... **CFDJ** $60.70
REVONOC-EO—Hame and collar, brass trimmed, less collar, per set ..... **CCBJ** $55.30
REVONOC-S—Breast collar, nickel trimmed, per set **CBFJ** 54.30

Without hitch strap; also made with breast collar.

ONE SET IN A BOX. W'T ABOUT 40 LBS.



REVONOC



No. 305.

DOUBLE BUGGY.

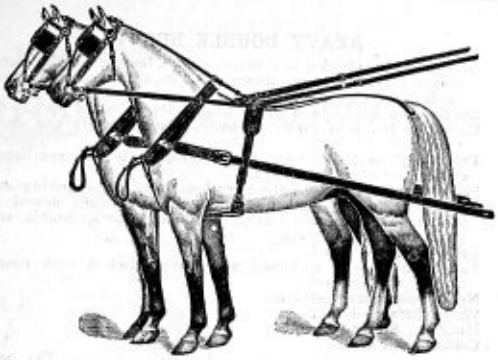
Bridles—⅝ in. cheeks, box loops, round winker stays, layer on crown and overchecks.
Lines—⅞ in. fronts, 1 in. hand parts.
Hames—7 lb., iron.
Hame Tugs—1¼ in., box loops.
Traces—1½ in., 6½ ft. long, double and stitched, round edges.
Pads—Straight ,leather bottoms, single skirts, ¾ in. bearers.
Belly Bands—Folded.
Turn Backs—¾ in., with round cruppers sewed on.
Neck Yoke Straps—1¼ in.
Choke Straps—¾ in.
Collars—No. 110.

No. 305-B—XC trimmed, with collars.....per set **BACJ** $33.50
No. 305-BO—XC trimmed, less collars ....per set **AHGJ** 30.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 43 LBS.

HARNESS.



No. 308.

DOUBLE BUGGY.

Bridles—⅝ in. cheeks, box loops, round winker stays, layer on crown ⅞x⅞ in. overchecks with nose bands.
Lines—⅞ in. fronts, 1 in. hand parts.
Hames—7 lb., iron, japanned body.
Hame Tugs—1¼ in., box loops.
Traces—1¼ in., 6½ ft. long, double and stitched, round edges.
Pads—Straight, leather bottoms and housings, single skirts, double and stitched bearers.
Belly Bands—Folded.
Turnbacks—⅞ in., scalloped and wave stitched with round cruppers sewed on.
Neck Yoke Straps—1⅝ in.
Choke Straps—⅞ in.
Collars—No. 114.

		Per Set.
No. 308-D—Nickel trimmed, with collars	BHBJ	$44.00
No. 308-DO—Nickel trimmed, less collars	BDBJ	37.00
No. 308-C—Imit. rubber trimmed, with collars	BHBJ	44.00
No. 308-CO—Imit. rubber trimmed, less collars	BDBJ	37.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 47 LBS.

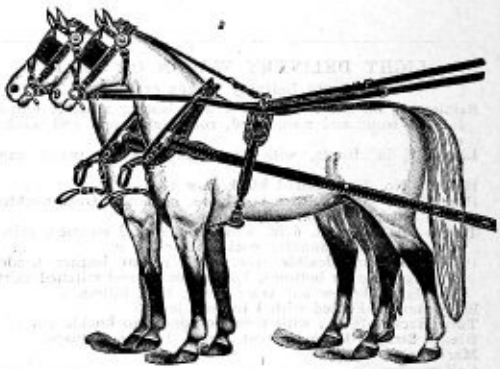
DOUBLE BUGGY.

Smooth, Round Edge Finish.

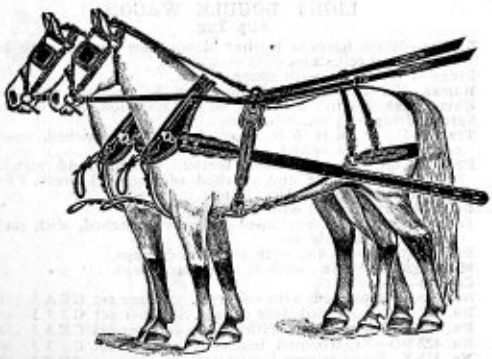
Bridles—⅝ in. cheeks, box loops, patent leather blinds, round winker braces, layer on crown, ⅞ in. overchecks with nose band.
Lines—⅞ in. fronts, buckle and billet, 1 in. hand parts.
Hames—7 lb., iron, O. spot, jug draft eye, swedge terrets.
Traces—1¼ in. single strap with fender, stitched to hames.
Pads—Straight, leather bottoms and fancy bound spotted housings, double and stitched, swelled skirts, double and stitched, scalloped bearers, with ⅞ in. billets.
Belly Bands—Folded, with ⅞ in. buckles.
Turnbacks—¾ in., double and stitched, scalloped, round crupper sewed on.
Neck Yoke Straps—1¼ in.
Choke Straps—⅞ in., with ring and neck yoke billets.
Collars—No. 114.

		Per Set.
No. 312-C—Imit. rubber trimmed, with collars	BIBJ	$48.70
No. 312-CO—Imit. rubber trimmed, less collars	BEBJ	42.00
No. 312-D—Nickel trimmed, with collars	BIBJ	48.70
No. 312-DO—Nickel trimmed, less collars	BEBJ	42.00
No. 312-E—Brass trimmed, with collars	BIBJ	48.70
No. 312-EO—Brass trimmed, less collars	BEBJ	42.00

ONE SET IN A BOX. W'T ABOUT 49 LBS.



No. 312.



No. 325.

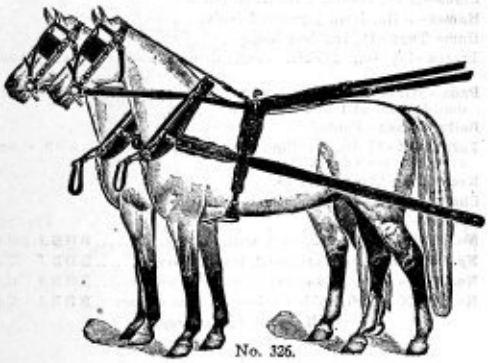
HEAVY DOUBLE BUGGY.

Bridles—⅝ in. cheeks, box loops, patent leather blinds, round winker stays, layer on crown, ½x1 in., overchecks with nose bands.
Lines—⅞ in. buckle and billet fronts, 1⅛ in. hand parts.
Hames—8 lb., iron, japanned body, plated terrets and draft eyes.
Traces—1½ in., single strap, long scalloped chafes, attached to hames.
Pads—Japanned plates, patent leather tops, wide swelled patent leather housings, enameled leather sewed stuffed bottoms, wide single leather sewed skirts, double and stitched raised dee bearers, ⅞ in. billets.
Belly Bands—Folded with layer.
Neck Yoke Straps—1¼ in.
Choke Straps—1 in.
Breeching—1⅝ in, single strap body, ⅞ in. scalloped and wave stitched turnback with round crupper sewed on, ⅝ in. double hip straps, 1 in. breeching side strap.
Hitching Strap—⅝ in.
Collars—No. 116.

		Per Set.
No. 325-D—Nickel trimmed, with collars	CGEJ	$60.00
No. 325-DO—Nickel trimmed, less collars	CBAJ	52.30
No. 325-C—Imit. rubber trimmed, with collars	CGEJ	60.00
No. 325-CO—Imit. rubber trimmed, less collars	CBAJ	52.30
No. 325-E—Brass trimmed, with collars	CGEJ	60.00
No. 325-EO—Brass trimmed, less collars	CBAJ	52.30

ONE SET IN A BOX. W'T ABOUT 60 LBS.

HARNESS.



No. 326.

HEAVY DOUBLE BUGGY.

Bridles—¾ in. cheeks, box loops, patent leather blinds, round winker stays, layer on crown, ⅝x1 in. overcheck with nose band.
Lines—1 in. buckle and billet fronts, 1⅝ in. hand parts.
Hames—8 lb., iron japanned body, plated terrets and draft eyes.
Traces—1½ in., 7 ft. long, single strap with long escalloped chafes, attached to hames.
Pads—Japanned plate, patent leather tops, long tapering and scalloped patent leather beaded edge housings sewed to bottoms, wide single leather scalloped skirts, double and stitched raised bearers.
Belly Bands—Folded.
Turnbacks—⅞ in., scalloped and wave stitched with round cruppers sewed on.
Neck Yoke Straps—1½ in.
Choke Straps—1 in.
Hitching Straps—⅝ in.
Collars—No. 116.

		Per Set.
No. 326-D—Nickel trimmed, with collars	CDHJ	$55.00
No. 326-DO—Nickel trimmed, less collars	BIEJ	47.30
No. 326-C—Imit. rubber trimmed, with collars	CDHJ	55.00
No. 326-CO—Imit. rubber trimmed, less collars	BIEJ	47.30
No. 326-E—Brass trimmed, with collars	CDHJ	55.00
No. 326-EO—Brass trimmed, less collars	BIEJ	47.30

ONE SET IN A BOX. W'T ABOUT 58 LBS.

LIGHT DELIVERY WAGON OR HACK.

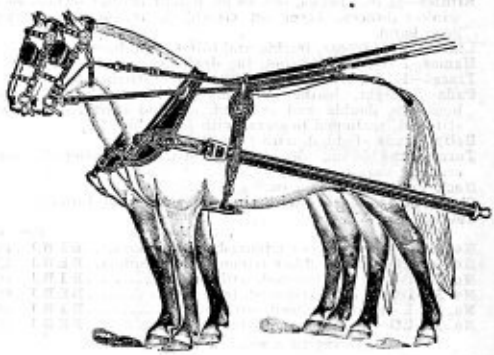
Light Delivery Wagon or Hack.

Bridles—⅝ in. short cheeks, harness leather sensible blinds, spotted front and nose band, round side rein and winker stays.
Lines—¾ in. fronts, with bar buckles, 1 in. russet hand parts.
Hames—No. 120, painted black, low tops.
Hame Tugs—1¼ in., with box loops, champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6 ft. 6 in. long, double and stitched, raised square edges, triangular cock-eye sewed in.
Pads—Universal flexible tree, swell patent leather beaded housings, leather bottoms, 1¾ in. double and stitched skirts with ⅞ in. bearer and trace loops, 1 in. billets.
Belly Bands—Folded with 1 in. buckles.
Turn Backs—⅞ in., with round cruppers to buckle on.
Breast Straps—1¼ in. patent loops, slides and snaps.
Martingales—1¼ in.
Collars—No. 28.

No. 421-A—Japanned, with collars.....per set	CJIJ	$51.50
No. 421-AO—Japanned, less collars.....per set	BEHJ	43.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 50 LBS.



No. 421.



No. 422.

LIGHT DOUBLE WAGON.

Slip Tug.

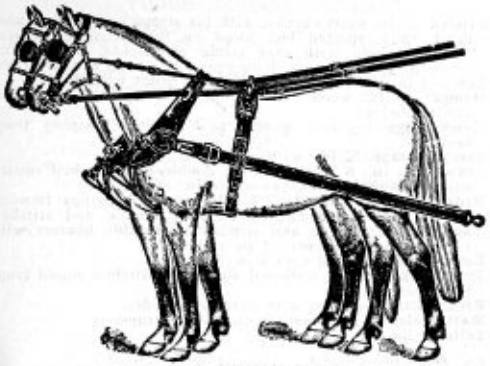
Bridles—¾ in. harness leather blinds, low cheeks with box loops round reins and winker stays.
Lines—1 in., 20 ft., with snaps.
Hames—No. 126, wood, black, low tops, XC one long spot.
Hame Tugs—1¼ in., with box loops, Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6 ft. 6 in. long, double and stitched, square edges, cockeyes sewed in.
Pads—Swell, sewed leather bottoms, double and stitched skirts, with double and stitched adjustable bearers, "Forney" trace supports, 1 in. billets.
Belly Bands—Folded with 1 in. buckles.
Turn Backs—⅞ in., scalloped and wave stitched, with round cruppers to buckle on.
Breast Straps—1¼ in., with slides and snaps.
Martingales—1¼ in., with ¾ in. collar straps.
Collars—No. 28.

No. 422-A—Japanned, with collars.....per set	CEAJ	$54.00
No. 422-AO—Japanned, less collars.....per set	CJJJ	46.20
No. 422-B—XC trimmed, with collars.....per set	CEAJ	54.00
No. 422-BO—XC trimmed, less collars...per set	CJJJ	46.20
No. 422-E—Brass trimmed, with collars..per set	CHCJ	60.00
No. 422-EO—Brass trimmed, less collars..per set	CCBJ	52.20

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 53 LBS.

HARNESS.



No. 424.

LIGHT DOUBLE WAGON.

Slip Tug.

Bridles—¾ in., harness leather blinds, short cheeks, with bit straps, with short box loops on top, spotted nose bands and fronts, round side reins and round winker stays.
Lines—1 in., 20 ft. with snaps.
Hames—No. 126, wood, black, low top XC, one long spot.
Hame Tugs—1⅛ in., with box loops, Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1⅛ in., 6 ft. 6 in. long, double and stitched, square edges, triangular cock-eyes sewed in.
Pads—Swell, sewed leather bottom, double and stitched skirts with double and stitched adjustable bearers, "Forney" trace supports, 1 in. billets.
Belly Bands—Folded, with 1 in. buckles.
Turnbacks—⅞ in., scalloped and wave stitched, with round cruppers to buckle on.
Breast Straps—1¼ in., with snaps and slides.
Martingales—1¼ in., with ⅞ in. collar straps.
Collars—No. 28.
No. 424-B—XC trimmed, with collars.....per set **CHBJ** $60.00
No. 424-BO—XC trimmed, less collars.....per set **CCJJ** 52.20

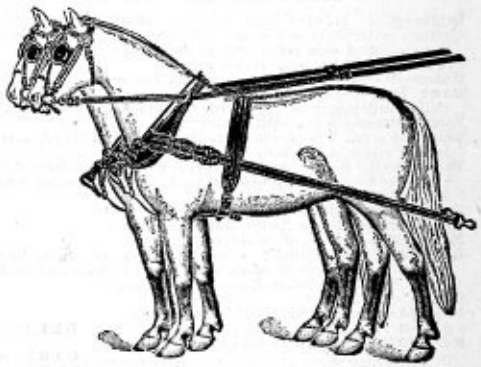
Without hitch strap.

ONE SET IN A BOX. W'T ABOUT 55 LBS.

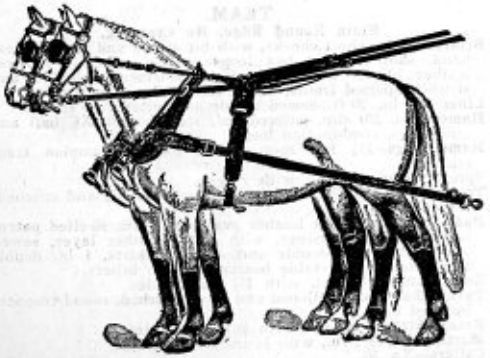
LIGHT DOUBLE BUCKBOARD.

Bridles—⅝ in., box loop cheeks, harness leather sensible blinds, ⅞ in. overchecks.
Lines—⅞ in., 18 ft., sewed buckle and billet with snaps.
Hames—No. 5, bolt, painted black, XC long spot and trimmings.
Hame Tugs—1¼ in., box loop, bolt.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6½ ft. long, double and stitched, square edges with triangular cockeyes sewed in.
Pads—Concord style, 2⅛ in. tops, 1⅛ in. layer, double and stitched trace bearers, 1¼ in. billets.
Belly Bands—⅞ in., scalloped and waved stitched, round crupper to buckle.
Breast Straps—1¼ in., with snaps and slides.
Martingales—1¼ in., with ⅞ in. collar straps.
Collars—No. 28.
No. 438-A—Japanned trimmed, with collars, set **CHDJ** $60.00
No. 438-AO—Japanned trimmed, less collars, set **CCJJ** 52.00
No. 439-A—Japanned trimmed, with No. 725 double hip strap breeching, with collars .....per set **DDDJ** $70.00
No. 439-AO—Japanned trimmed, with 725 double hip strap breeching, less collars .....per set **CIJJ** $62.00

ONE SET IN A BOX. W'T ABOUT 60 LBS.



Nos. 438 and 439.



No. 426.

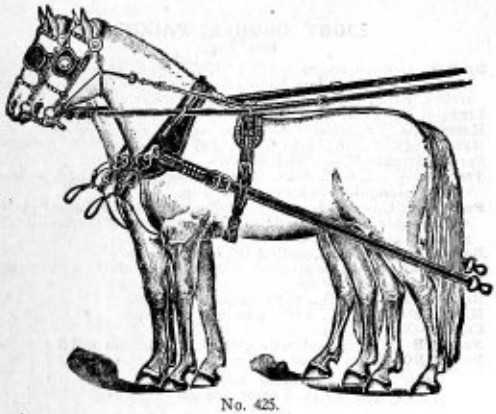
LIGHT DOUBLE WAGON.

Bridles—¾ in., harness leather blinds, short cheeks, with bit straps, with short box loops on top, spotted nose bands and fronts, round side reins and round winker stays.
Lines—1 in., 20 ft. with snaps.
Hames—Wood, oval iron coach, black, low tops, one long spot.
Hame Tugs—1¾ in., with box loops, extra wide scalloped chafes full length of tugs, with Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6½ ft. long, double and stitched, raised, square edges, with cockeyes.
Pads—Swell, double and stitched harness leather skirts, extra wide and scalloped, raised bearers, round edges, 1¼ in. billets.
Belly Bands—Folded with layer, 1¼ in. buckles.
Turnbacks—⅞ in., scalloped and wave stitched, with round cruppers to buckle on.
Breast Straps—1¼ in., with snaps and slides.
Martingales—1¼ in., with collar straps.
Collars—No. 28.
No. 426-A—Japanned trimmed, with collars, set **CIEJ** $64.00
No. 426-AO—Japanned trimmed, less collars, set **CCIJ** 56.00
No. 426-B—XC trimmed, with collars .....per set **CIEJ** 64.00
No. 426-BO—XC trimmed, less collars....per set **CCIJ** 56.00
No. 426-E—Brass trimmed, with collars..per set **DAFJ** 70.00
No. 426-EO—Brass trimmed, less collars..per set **CFJJ** 62.00

Without hitch strap.

ONE SET IN A BOX. W'T ABOUT 55 LBS.

HARNESS.



No. 425.

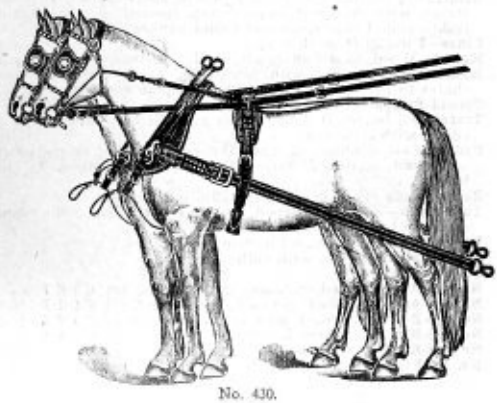
LIGHT DOUBLE WAGON.

Bridle—¾ in. harness leather blinds, short cheeks with bit straps, with short box loops on top, spotted nose bands and fronts, round side reins and winker stays.
Lines—1 in., 20 ft., with snaps.
Hames—Wood, oval iron coach, black, low tops, one long spot.
Hame Tugs—1½ in., with box loops, extra wide scalloped chafes full length of tugs, with Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6 ft. 6 in. long, double and stitched, raised, square edges with cockeyes.
Pads—Swell, double and stitched, harness leather skirts, extra wide and scalloped, raised bearers, round edges, 1¾ in. billets.
Belly Bands—Folded with layer, 1¼ in. buckles.
Breast Straps—1¼ in., with slides and snaps.
Martingales—1½ in., with collar straps.
Breeching—Folded body, with layer, ⅞ in. turn backs, scalloped and wave stitched with round cruppers to buckle, ¾ in. double hip straps, ⅞ in. side straps.
Collars—No. 28.

No. 428A—Japanned trimmed, with collars, per set ..... **DEFJ** $74.00
No. 428AO—Japanned trimmed, less collars, per set ..... **DJBJ** 66.00
No. 428B—XC trimmed, with collars.....per set **DEFJ** 74.00
No. 428BO—XC trimmed, less collars.....per set **DJBJ** 66.00
No. 428E—Brass trimmed, with collars...per set **DHFJ** 80.70
No. 428EO—Brass trimmed, less collars..per set **DJJJ** 72.70

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 51 LBS.



No. 430.

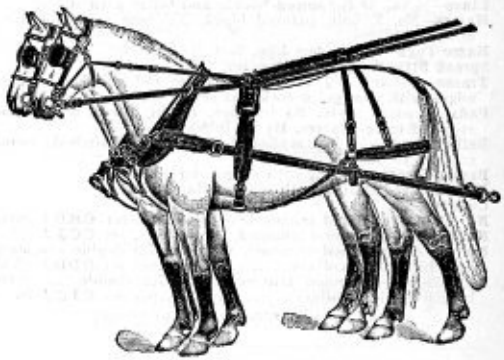
LIGHT DOUBLE WAGON.

Bridles—¾ in. short cheeks, with bit straps and spotted nose band, short spotted box loops on top, sensible harness leather blinds with star circle ornaments, double and stitched spotted fronts, long round rein and winker stays.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 187, wood, painted black, low top, brass long spot and trimmings.
Hame Tugs—1⅛ in., spotted box loops, Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1⅜ in., 6 ft. 6 in. long, double and stitched square edges, triangular cockeyes sewed in.
Pads—Japan, flexible tree, swell spotted housings forming top of pad, sewed stuffed bottoms, double and stitched skirts, 1 in. double and stitched adjustable bearers with Forney's trace supports, 1 in. billets.
Belly Bands—Folded with 1 in. buckles.
Turn Backs—⅞ in., scalloped and wave stitched round cruppers, buckled on.
Breast Straps—1¼ in., with snaps and slides.
Martingales—1¼ in., with ¾ in. collar straps.
Collars—No. 28.

No. 425E—Brass swedge trimmed, with collars, per set ..... **DAHJ** $66.00
No. 425EO—Brass swedge trimmed, less collars, per set ..... **CFFJ** 58.20

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 58 LBS.



No. 428.

TEAM.

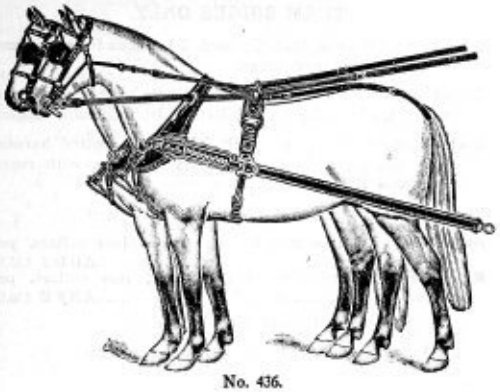
Plain Round Edge, No Creasing.

Bridles—¾ in. short cheeks, with bit straps and spotted nose band, short spotted box loops on top, sensible harness leather blinds with star circle ornaments, double and stitched spotted fronts, round rein and winker stays.
Lines—1¼ in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 270 clip, painted red, steel bound, XC ball and trimmings, combination loop.
Hame Tugs—1½ in., spotted box loops, Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—Two-ply, 1½ in., 6 ft. 6 in. long, double and stitched, screw cockeyes.
Pads—No. 918, patent leather oval tops, 5 in. swelled patent leather bound housings, with Neats leather layer, sewed stuffed bottoms, double and stitched skirts, 1 in. double and stitched adjustable bearers, 1¾ in. billets.
Belly Bands—Folded, with 1¼ in. buckles.
Turnbacks—1 in., scalloped and wave stitched, round cruppers buckled on.
Breast Straps—1½ in., with snaps and slides.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.

No. 430B—XC trimmed, with collars.....per set **DBJJ** $70.00
No. 430BO—XC trimmed, less collars ....per set **CFJJ** 60.00

ONE SET IN A BOX. W'T ABOUT 65 LBS.

HARNESS.



No. 436.

LIGHT DOUBLE WAGON.

Long Tug.

Bridles—¾ in. harness leather blinds, short cheeks with bit straps, with short box loops on top, spotted nose bands and fronts, round side reins and winker stays.
Lines—1 in., 20 ft., with snaps.
Hames—No. 126, wood, black, low top, one long spot.
Hame Tugs—1⅜ in., with long laced loops, 1¼ in. billets, Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1¼ in., 6 ft. long, double and stitched, square edges, with triangular cockeyes sewed in.
Pads—Swell, sewed leather bottoms, double and stitched harness leather skirts with layer.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—⅜ in., scalloped and wave stitched with hound cruppers to buckle.
Breast Straps—1¼ in., with slides and snaps.
Martingales—1¼ in., with collar straps.
Collars—No. 28.
No. 436-B—XC trimmed, with collars.....per set **CHAJ** $62.00
No. 436-BO—XC trimmed, less collars....per set **CBGJ** 54.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 55 LBS.

TEAM BODIES ONLY.

Hames—No. 166 REVERSE, painted black, red tops with XC balls, adjustable draft, with breast rings.

Traces—1½ in. wide, 6 ft. long, double and stitched, scalloped and spotted fenders, 3 link heel chains engaged to trace with clip.

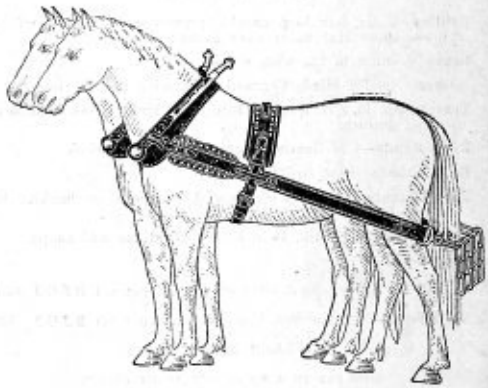
Back Bands—3½ in., single leather, nickel spots, felt lined, loop on top, buckle and billet.

Belly Bands—1½ in. single strap.

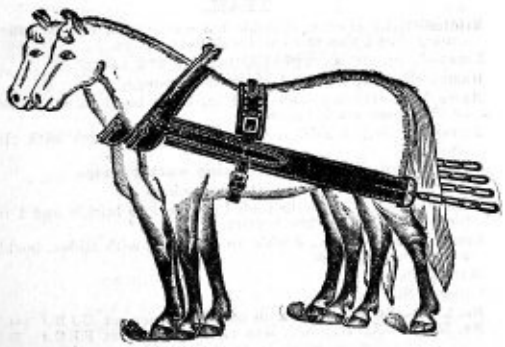
No. 501-BO—XC trimmed, 1½ in. traces, less collars, per set .....**ABHJ** $21.30

No. 502-BO—XC trimmed, 1¾ in. traces, less collars, per set .....**ADJJ** 23.30

ONE SET IN A BOX. W'T ABOUT 40 LBS.



No. 501.



Nos. 515 and 516.

TEAM BODIES ONLY.

Hames—No. 1766, painted red, XC ball top, American adjustable draft with breast rings.

Traces—3½ in. wide, 5 ft. 9 in. long, single leather continuous to hame, 1½ in. belly band billets, 3 link Concord toggles.

Back Bands—3½ in., single leather, nickel spots, felt lined, loop on top, buckle and billets.

Belly Bands—Folded, 1½ in. buckles.

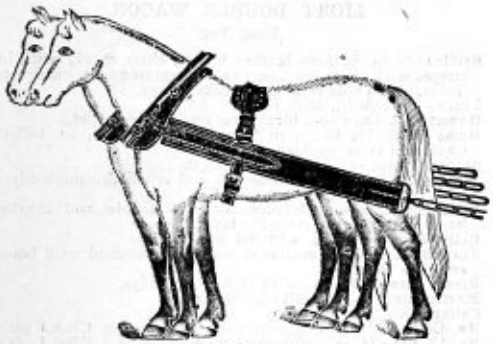
No. 515-BO—XC trimmed, 3½ in. traces, less collars, per set .....**AFEJ** $31.00

No. 516-BO—XC trimmed, 4 in. traces, less collars, per set .....**AGGJ** $33.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 40 LBS.

HARNESS.



Nos. 517 and 518.

TEAM BODIES ONLY.

Hames—No. 761 Lone Star, Concord, Damascus finish, adjustable draft with breast rings.

Traces—3½ in. wide, 5 ft. 9 in. long, single leather continuous to hame, 1½ in. belly band billets, 3 link Concord toggles.

Back Bands—Extra wide swell, felt lined, spotted harness leather housings, 2¼ in. skirts, 1½ in. layer with round loop on top, 1½ in. billets.

Belly Bands—Folded, 1¼ in. buckles.

No. 517-BO—XC trimmed, 3½ in. traces, less collars, per set ..... **AGDJ** $33.50

No. 518-BO—XC trimmed, 4 in. traces, less collars, per set ..... **AHFE** $36.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 40 LBS.

DOUBLE CHAIN.

Bridles—¾ in. box loop cheeks, pigeon wing blinds, winker stays, short flat reins over hames.

Lines—1 in. x 18 ft., with snaps.

Hames—No. 75, oiled, Concord hook with breast rings.

Traces—No. 16, 7 ft. long, 9-32 in. twist link chains with 36 in. leather piping.

Back Bands—4 in. leather loops with loop on back.

Belly Bands—Flat, 1½ in.

Turn Backs—1½ in. with folded cruppers to buckle, hip straps, 1¼ in. with snaps.

Breast Straps—1½ in., twin loop with slides and snaps.

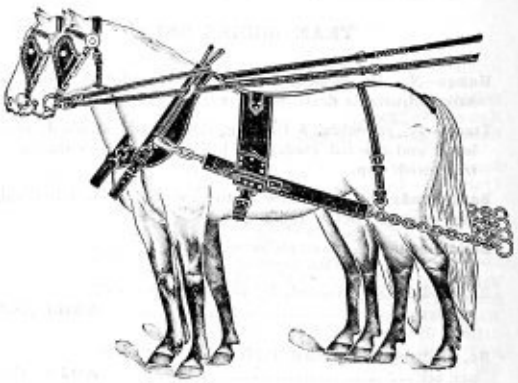
Collars—No. 30.

No. 509-B—XC trimmed, with collars ....per set **BFGJ** $43.00

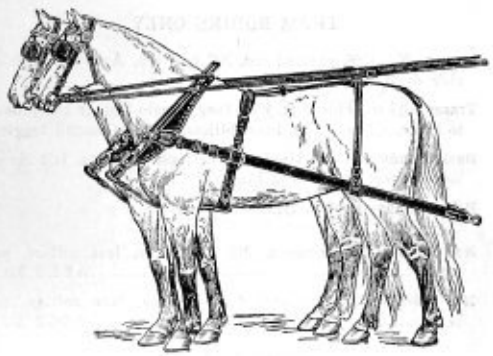
No. 509-BO—XC trimmed, less collars....per set **BJGJ** 34.30

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 60 LBS.



No. 509.



No. 520.

TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round winker stays, flat reins to check over hames.

Lines—¾ in., 18 ft., with 1890 buckles and snaps.

Hames—No. 226, wood, black ,iron over-tops.

Hame Tugs—1½ in., folded, 1¼ in. belly band billets sewed in Champion trace buckles.

Traces—1½ in., double and stitched, square edges with clip cockeyes.

Pads—Folded, 1¼ in. layer forming market straps.

Belly Bands—Folded, with 1¼ in. buckles.

Turn Backs—1¼ in., with folded cruppers to buckle and 1 in. hip straps, with trace carrier.

Breast Straps—1½ in., double and stitched with slides, buckle snaps on each end.

Martingales—1½ in.

Collars—No. 24.

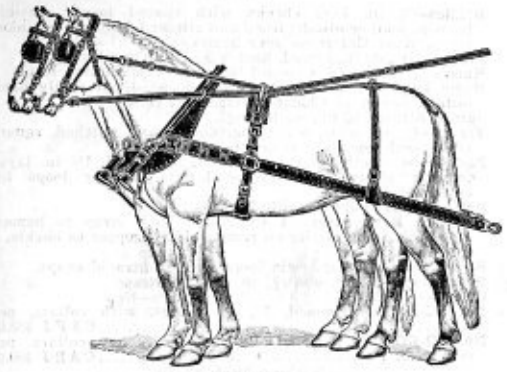
No. 520-B—XC trimmed, with collars.....per set **CJHJ** $44.00

No. 520-BO—XC trimmed, less collars....per set **BECJ** 38.50

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 58 LBS.

HARNESS.



No. 526.

TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round reins and round winker stays.
Lines—1 in., 18 ft., with 1880 buckles and snaps.
Hames—No. 226, wood, black, iron over-tops.
Hame Tugs—1½ in., folded, with 3 leather loops, 1¼ in. belly band billets sewed in Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges with clip cock-eyes.
Pads—Moline, with 1¼ in. market straps.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1 in., with folded cruppers to buckle and 1 in. hip straps.
Breast Straps—1½ in., twin loop, with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 28.

No. 526-B—XC trimmed, with collars.....per set **CDIJ** $52.50
No. 526-BO—XC trimmed, less collars....per set **CJJJ** 44.50

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 65 LBS.

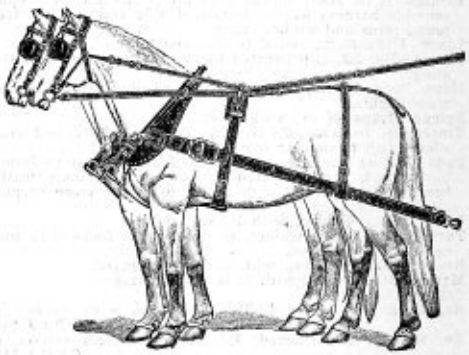
TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round reins and round winker stays.
Lines—1 in., 18 ft., with 1880 buckles and snaps.
Hames—No. 226, wood, black, iron over-tops.
Hame Tugs—1½ in., folded, 2 small leather loops, Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1½ in., 6 ft. 6 in. long, double and stitched, square edges with clip cockeyes.
Pads—Moline, with skirts folded, with 1¼ in. layer with loops for traces to slip through, 1¼ in. billets.
Turn Backs—1 in., with folded cruppers to buckle and 1 in. hip straps, with trace carriers.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in., twin loop, with slides and snaps.
Martingales—1½ in. with ⅞ in. collar straps.
Collars—No. 28.

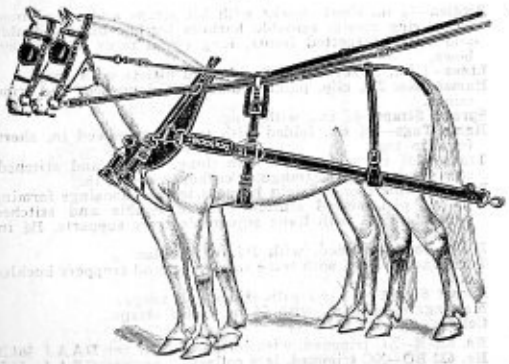
No. 527-B—XC trimmed, with collars.....per set **CEDJ** $53.50
No. 527-BO—XC trimmed, less collars....per set **CJJJ** 45.50

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 66 LBS.



No. 527.



No. 531.

TEAM.

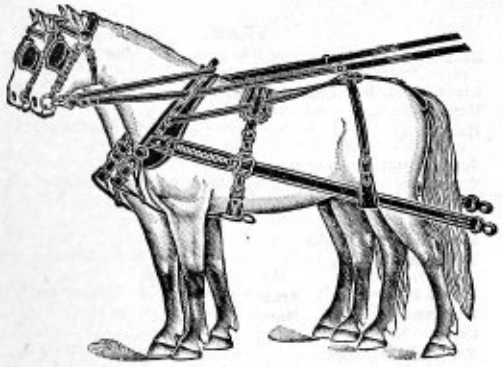
Bridles—¾ in. short cheeks with bit straps, sensible harness leather blinds, nose bands, round side reins and winker stays.
Lines—1 in. 18 ft., with 1880 buckles and snaps.
Hames—No. 222, varnished, steel overtop, bolt.
Hame Tugs—1½ in. folded, long laced box loops, 1¼ in. belly band billets, sewed into Champion trace buckles, Cooper's jointed clips.
Spread Straps—¾ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges with triangular cockeyes sewed in.
Pads—Moline, flexible trees with market strap ends, sewed stuffed bottoms, with 1¼ in. market straps.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1 in., folded cruppers to buckle, 1 in. hip straps with trace carriers.
Breast Straps—1½ in., twin loop, with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 28.

No. 531-B—XC trimmed, with collars.....per set **CIJJ** $60.00
No. 531-BO—XC trimmed, less collars....per set **CCFJ** 52.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 67 LBS.

HARNESS.



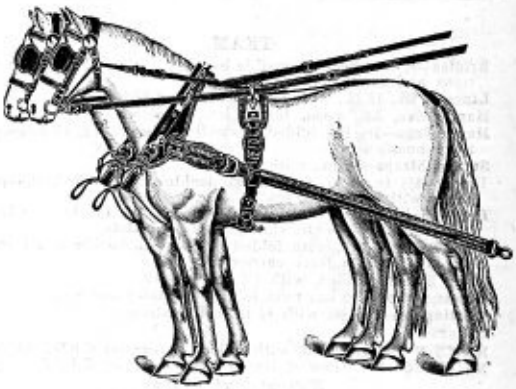
No. 522.

TEAM.

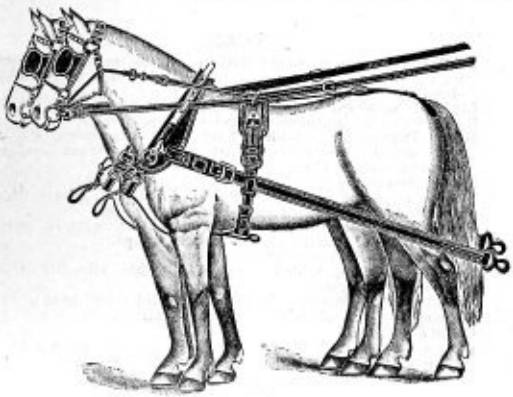
Bridles—⅞ in. long cheeks with spaced loops, sensible harness leather blinds, lined and stitched front, "T" winker stays, short flat reins over hames.
Lines—1 in., 20 ft., sewed, buckle and billets with snaps.
Hames—No. 5, oiled, Concord bolt with combination loops.
Hame Tugs—1½ in. bolt, laced box loops, 1¼ in. belly band billets, sewed in Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1½ in. wide, 6 ft. long, double and stitched, square edges with cockeyes sewed in.
Pads—5 in. swelled harness leather, felt lined, 1¼ in. layer forming skirts with reverse billets, leather loops for crotch back straps.
Belly Bands—Folded, with buckles.
Hip and Back Straps—1 in. crotch back strap to hames, Kiernan's trace carrier on rump, folded crupper to buckle, 1 in. hip straps.
Breast Straps—1½ in. twin loops with slides and snaps.
Pole Straps—1½ in. with ⅞ in. collar straps.
Collars—No. 28.
No. 522-B—XC trimmed, 1½ in. traces, with collars, per set ..... **CFFJ** $58.00
No. 522-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **CABJ** $50.00
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 65 LBS.

TEAM.

Bridles—¾ in. short cheeks with bit straps and nose bands, sensible harness leather blinds, double and stitched front, round reins and winker stays.
Lines—1 in., 18 ft., sewed buckle and billets with snaps.
Hames—No. 228, clip painted black, XC long spot and trimmings.
Hame Tugs—1½ in., with box loops, swelled safes, Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1½ in. wide, 6½ ft. long, double and stitched square edges with triangular cockeyes.
Pads—Moline tree, straight harness leather housings forming top of pad, sewed stuffed bottoms, skirts single leather, bearers single strap, with Renz adjustable trace supports, 1¼ in. billets.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1 in., straight, 1½ in. crupper forks with round cruppers buckled on.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
No. 613-B—XC trimmed, 1½ in. traces, with collars, per set ..... **DBJJ** $64.00
No. 613-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **CEHJ** $55.50
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 63 LBS.



No. 613.

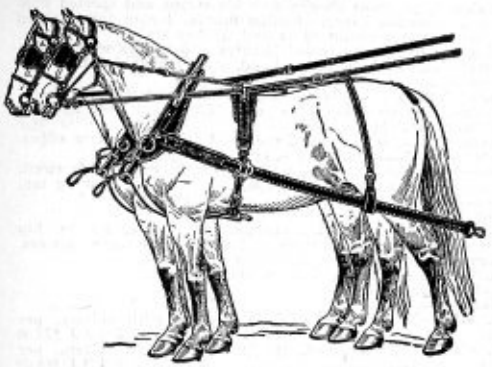


No. 622.

TEAM.

Bridles—¾ in. short cheeks with bit straps and round nose band, ring crown, sensible harness leather blinds, double and stitched spotted fronts, long round reins and winker bows.
Lines—1 in., 20 ft., sewed buckle and billets with snaps.
Hames—No. 228, clip, painted black, XC long spot and trimmings.
Spread Straps—¾ in., with ring.
Hame Tugs—1½ in., folded with two loops sewed in, short, for slip tugs.
Traces—1½ in. wide, 6 ft. 6 in. long, double and stitched, square edges, with triangular cockeyes sewed in.
Pads—Moline tree, straight harness leather housings forming top of pad, sewed stuffed bottom, double and stitched swelled skirts with Renz adjustable trace supports, 1¼ in. billets.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1 in., with trace carriers, round cruppers buckled on.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
No. 622-B—XC trimmed, with collars.....per set **DAAJ** $64.20
No. 622-BO—XC trimmed, less collars....per set **CEAJ** 55.50
ONE SET IN A BOX. W'T ABOUT 63 LBS.

HARNESS.



Nos. 628 and 629.

TEAM.

Bridles—¾ in. short cheeks, with bit straps and nose bands, short box loops on top, sensible harness leather blinds, double and stitched fronts, round reins and winker stays.
Lines—1 in., 20 ft., buckles and billets, with snaps.
Hames—No. 228, clip, black, XC long spot and trimmings.
Hame Tugs—1½ in., folded, long, with laced box loops, 1½ in. belly band billets sewed in Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 6 ft., long, double and stitched, square edges with triangular cockeyes sewed in.
Pads—All leather, flexible, sewed bottoms, folded skirts with layers, 1¼ in. billets.
Belly Bands—Folded, with layers, 1¼ in. buckles.
Turn Backs—1 in. folded cruppers to buckle, 1 in. hip straps, with trace carriers.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
No. 628-B—XC trimmed, 1½ in. traces, with collars, per set ..... **DBJJ** $66.00
No. 628-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **CEHJ** $57.30
No. 629-B—XC trimmed, 1¾ in. traces, with collars, per set ..... **DCEE** $69.00
No. 629-BO—XC trimmed, 1¾ in. traces, less collars, per set ..... **CGDJ** $60.30

The above numbers can be furnished with square harness leather blinds if preferred. Without hitch straps.

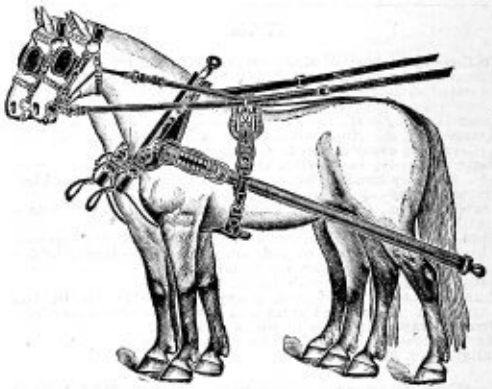
ONE SET IN A BOX. W'T ABOUT 65 LBS.

TEAM.

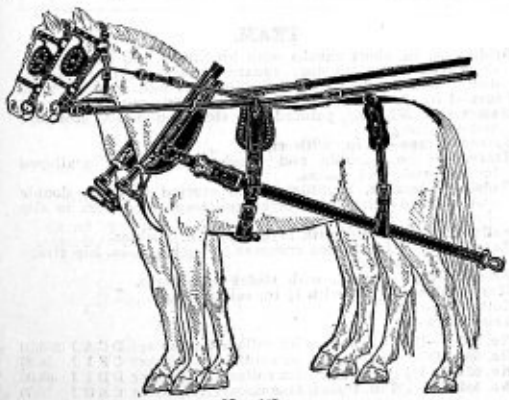
Bridles—¾ in. short cheeks with bit straps and spotted nose bands, sensible harness leather blinds, lined and stitched spotted fronts, spotted box loops on cheeks and spotted nose band, round reins and winker stays.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 250, clip, painted red, XC globe ball top.
Hame Tugs—1½ in., spotted box loops, swelled safes, Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1½ in. wide, 6 ft. 6 in. long, raised, double and stitched square edge with triangular cockeyes.
Pads—Moline tree, extra wide, swelled double and stitched spotted housings forming top, sewed stuffed bottoms, skirts swelled, doubled and stitched, bearings single strap with Renz adjustable trace supports.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1 in., double and stitched, scalloped and raised, with round crupper buckled on.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
No. 640-B—XC trimmed, 1½ in. traces, with collars, per set ..... **DCHJ** $66.70
No. 640-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **CGHJ** $58.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 65 LBS.



No. 640.



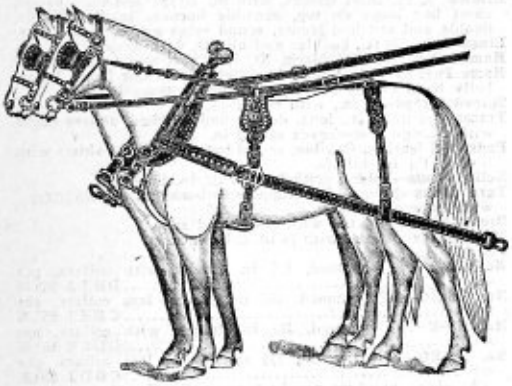
No. 645.

TEAM.

Bridles—Spotted short cheeks, with 1¼ in. ring crown, spotted nose band, spotted sensible harness leather blinds, spotted double and stitched fronts, round winker bows, long round gag reins.
Lines—1 in., 20 ft., sewed buckle and billet, with snaps.
Hames—No. 5B Concord bolt, Damascus finish.
Hame Tugs—1½ in. Moellers, adjustable, attached to hames with Coopers jointed clips.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 6 ft. 3 in. long, double and stitched, square edges, with triangular cock-eyes sewed in.
Pads—Harness leather folds with 1¼ in. layer full length, with Renz trace supports and 1¼ in. belly band billets, 5 in swelled spotted harness leather housings, felt lined, drop hooks and terrets.
Belly Bands—Folded, with layer, 1¼ in. buckles.
Turnbacks—1½ in., folded cruppers to buckle, 1⅜ in. hip straps with spotted safe, with trace carriers.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
No. 645-B—XC trimmed, 1½ in. traces, with collars, per set ..... **DEFJ** $74.20
No. 645-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **CHDJ** $64.00

ONE SET IN A BOX. W'T ABOUT 65 LBS.

HARNESS.



Nos. 675 and 676.

TEAM—W. A. GRAY.

Bridles—⅞ in. short cheeks with bit straps and spotted nose bands, sensible harness leather blinds, double and stitched spotted fronts, round reins and winker stays.
Lines—1⅛ in., 18 ft., sewed buckles and billets with snaps.
Hames—No. 272, bolt, painted red, steel bound, XC ball tops and trimmings.
Hame Tugs—1½ in. bolt, long fenders, spotted box loops, 1¼ in. belly band billets sewed in Champion trace buckles.
Spread Straps—¾ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, with triangular cockeyes sewed in.
Pads—Moline flexible tree with ring ends, extra wide swell, double and stitched harness leather housings forming top, sewed stuffed bottoms, 1½ in. market straps.
Belly Bands—Folded with 1¼ in. buckles.
Turnbacks—1⅛ in. folded cruppers to buckle, 1⅛ in. hip straps with scalloped safes and spots, with trace carriers.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Hitch Straps—¾ in.
Collars—No. 30.

No. 675-B—XC trimmed, 1½ in. traces, with collars, per set ..... **DGJJ** $73.00
No. 675-BO—XC trimmed, 1½ in. traces, less collars, per set ..... **DJHJ** $64.00
No. 676-B—XC trimmed, 1¾ in. traces, with collars, per set ..... **DHJJ** $76.00
No. 676-BO—XC trimmed, 1¾ in. traces, less collars, per set ..... **DBFJ** $67.00

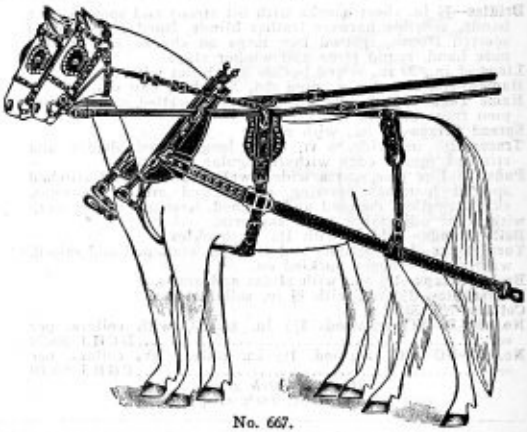
ONE SET IN A BOX. W'T ABOUT 65 LBS.

TEAM.

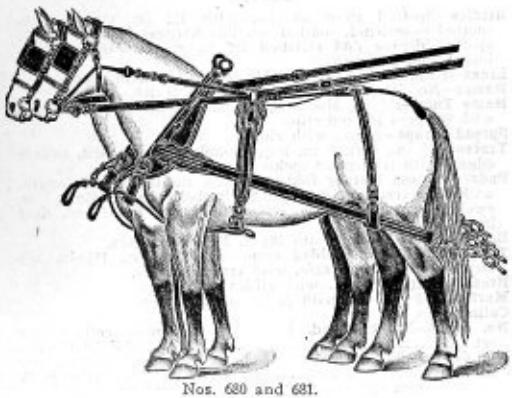
Bridles—⅞ in. spotted short cheeks, with 1¼ in. ring crown, spotted nose band, spotted sensible harness leather blinds, spotted doubled and stitched fronts, round winker bows, long round gag reins.
Lines—1½ in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 262 clip, painted red, XC, long spot, ball and trimmings, combination loop.
Hame Tugs—1½ in. to clip, long fenders, spotted box loops, 1¼ in. belly band billets sewed in Champion trace buckles.
Spread Straps—¾ in. with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges with triangular cockeyes sewed in.
Pads—All leather, flexible, extra wide swell and spotted housings forming top of pad, sewed stuffed bottoms, folded skirts with 1¼ in. layer, 1½ in. billet.
Belly Bands—Folded, with 1¼ in. buckles.
Turn Backs—1¼ in. folded, crupper to buckle, 1⅛ in. hip straps, with scalloped safes and spots, with trace carriers.
Breast Straps—1½ in. with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.

No. 667-B—XC trimmed, with collars.....per set **DFGJ** $71.20
No. 667-BO—XC trimmed, less collars....per set **DJEJ** 62.00

ONE SET IN A BOX. W'T ABOUT 65 LBS.



No. 667.



Nos. 680 and 681.

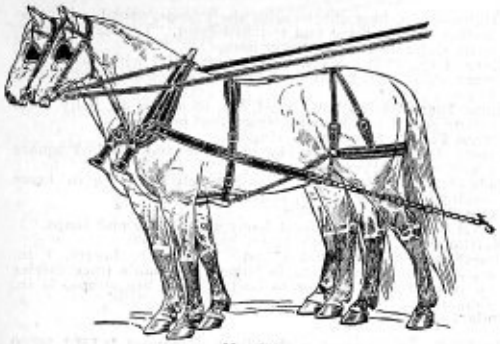
TEAM.

Bridles—¾ in. short cheeks with bit straps and nose bands, short box loops on top, square harness leather blinds, double and stitched fronts, round reins and winker stays.
Lines—1 in., 20 ft., sewed buckles and billets with snaps.
Hames—No. 272, bolt, painted red, steel bound, XC ball tops and trimmings.
Spread Straps—⅝ in. with rings.
Traces—1½ in., double and stitched with long scalloped fenders with heel chains.
Pads—All leather, flexible, sewed stuffed bottoms, double and stitched skirts with layer and loops for traces to slip through, 1¼ in. billets.
Belly Bands—Folded with layers, 1¼ in. buckles.
Turn Backs—1 in., folded cruppers to buckle, 1 in. hip straps with trace carriers.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Collars—No. 30.
Trimmings—XC.

No. 680-B—1¼ in .traces, with collars.....per set **DCAJ** $65.00
No. 680-BO—1¼ in. traces, less collars....per set **CFIJ** 56.30
No. 681-B—1¾ in. traces, with collars.....per set **DDIJ** 68.00
No. 681-BO—1¾ in. traces, less collars....per set **CHGJ** 59.30

ONE SET IN A BOX. W'T ABOUT 65 LBS.

HARNESS.



No. 508.

TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round winker stays, flat reins to check over hames.
Lines—¾ in., 18 ft., with snaps sewed in.
Hames—No. 226 clip, painted black, round overtops.
Traces—1½ in. x 3½ ft. long, double and stitched, square edges, with 3½ ft. stage chains and 1¼ in. belly band billets.
Pads—Folded, with 1¼ in. layer forming billets, 1¼ in. market tugs.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in., 2 ply, riveted, with snaps and slides.
Pole Straps—1¼ in.
Breeching—Folded bodies with 1 in. layer, 1¼ in. back strap to hames, safe on rump, ⅞ in. double hip straps, ⅞ in. side straps, ¾ in. lazy straps.
Collars—No. 24.

No. 508-B—XC trimmed, with collars .....per set **BIAJ** $48.50
No. 508-BO—XC trimmed, less collars.....per set **BEBJ** 42.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 65 LBS.

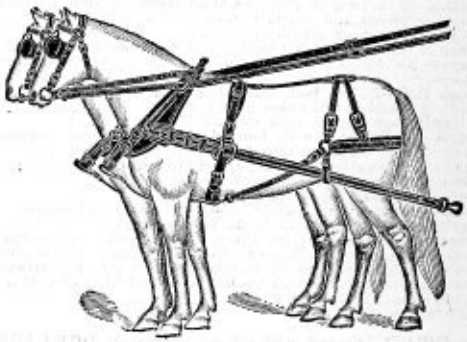
TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round winker stays, flat reins to check over hames.
Lines—¾ in., 18 ft., with snaps sewed in.
Hames—No. 226, black, iron over-tops.
Hame Tugs—1½ in., folded, 1¼ in. belly band billets sewed in Champion trace buckles.
Traces—1½ in., double and stitched, square edges with clip cockeyes.
Pads—Folded, with layer.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in. double and stitched with slides and snaps.
Pole Strap—1¼ in.
Breeching—Folded body with 1 in. layer, 1¼ in. back strap to hames, safe on rump, ⅞ in. double hip straps, ⅞ in. side straps, ⅞ in. lazy straps.
Collars—No. 24.

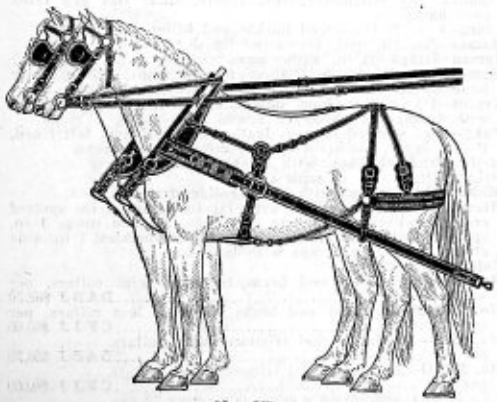
No. 523-B—XC trimmed, with collars.....per set **CAHJ** $48.50
No. 523-BO—XC trimmed, less collars....per set **BGHE** 43.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 63 LBS.



No. 523.



No. 557

TEAM.

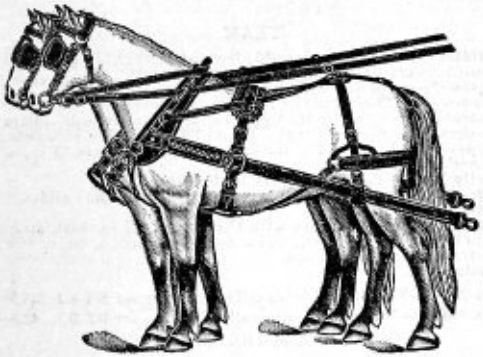
Bridles—¾ in. cheeks, sensible harness leather blinds, round winker stays, short flat reins to check over hames.
Lines—1 in., 18 ft., with 1880 buckles and snaps.
Hames—No. 232, bolt, black, XC long spot, trimmed.
Hame Tugs—1½ in., folded, 3 small loops, for bolt hames, 1¼ in. belly band billets sewed in Champion trace buckles.
Traces—1½ in., 6 ft. long, double and stitched, square edges with clip cockeyes.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in., twin loops, with slides and snaps.
Pole Straps—1½ in.
Breeching—Folded bodies, with 1 in. layer, 1 in. crotch back straps running to market tugs and hames, 1 in. double hip straps, 1 in. side straps, ⅞ in. lazy straps.
Collars—No. 28.

No. 557B—XC trimmed, with collars....per set **CEDJ** $59.00
No. 557BO—XC trimmed, less collars.....per set **CJFJ** 51.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 72 LBS.

HARNESS.



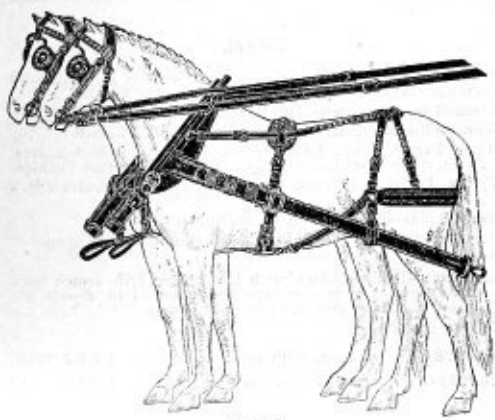
No. 525.

TEAM.

Bridles—¾ in. long cheeks with short loops, sensible harness leather blinds and stitched front, "T" winker brace, short flat rein to check over hames.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 5 B. C. L. oiled, Concord bolt with combination loops.
Hame Tugs—1½ in., bolt, laced, box loops, 1¼ in. belly band billets sewed in Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1½ in. wide, 6 ft. long, double and stitched, square edges, with cockeyes sewed in.
Pads—5 in., swelled harness leather, felt lined, 1¼ in. layer forming loops for crotch, back straps.
Belly Bands—1¼ in., folded.
Breast Straps—1½ in., patent loops with slides and snaps.
Martingales—1½ in. with ⅞ in. collar straps.
Breeching—Folded, 1¼ in. layer, 1 in. crotch back straps running to ring in hames, Kierman's trace carriers on rump, folded crupper to buckle, 1 in. double hip straps, sewed into ring hip with leather rump and hip safes, ⅝ in. side straps, ¾ in. lazy straps.
Collars—No. 28.

No. 524B—XC trimmed, with collars.....per set **DGBJ** $68.00
No. 524BO—XC trimmed, less collars.....per set **CGHJ** 60.00

ONE SET IN A BOX. W'T ABOUT 80 LBS.



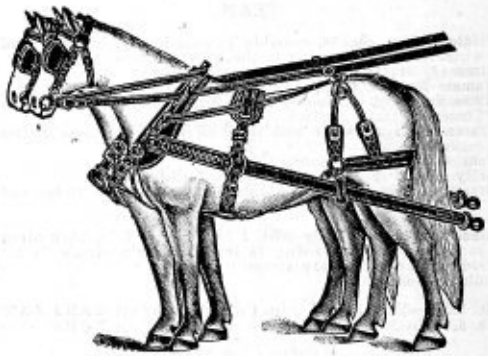
No. 558.

DOUBLE TEAM.

Bridles—¾ in. long cheeks with short loops, sensible harness leather blinds, lined and stitched front, "T" winker brace, short flat rein to check over hames.
Lines—1 in., 18 ft., sewed buckle and billet with snaps.
Hames—No. 5 BCL oiled, Concord bolt with combination loops.
Hame Tugs—1½ in., bolt, laced, box loops, 1¼ in. belly band billets sewed in Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1½ in. wide, 6 ft. long, double and stitched square edges with cockeye sewed in.
Pads—5 in., swelled harness leather, felt lined, 1¼ in. layer forming loops for crotch, back straps.
Belly Bands—1¼ in., folded.
Breast Straps—1½ in. patent loops with slides and snaps.
Martingales—1½ in. with ⅞ in. collar straps.
Breeching—Shifting, folded body with 1 in. layers, 1 in. crotch back strap to ring in hames, Kiernan's trace carrier on rump, folded crupper to buckle, 1 in. hip straps, ⅝ in. side straps.
Collars—No. 28.

No. 525-B—XC trimmed, with collars.....per set **DJHJ** $67.00
No. 525-BO—XC trimmed, less collars.....per set **CBDE** 59.00
Without hitch straps.

ONE SET IN A BOX. W'T ABOT 71 LBS.



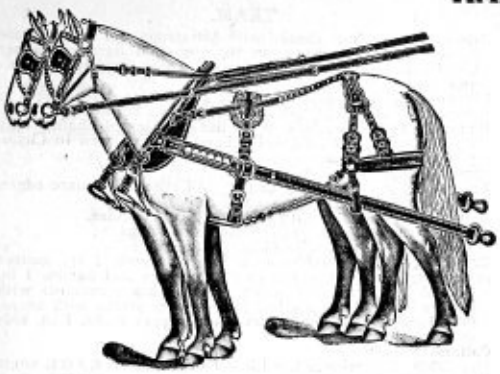
No. 524.

TEAM.

Bridles—¾ in. cheeks with long box loops, spotted harness leather sensible blinds, round "T" winker stays, ⅝ in. double and stitched spotted fronts, short flat gag reins over hames
Lines—1 in. 20 ft., sewed buckle and billet with snaps.
Hames—No. 5B, bolt, Damascus finish.
Spread Straps—⅝ in. with rings.
Hame Tugs—1½ in. bolt, three narrow loops, 1½ in. belly band billets sewed in Champion trace buckles.
Traces—1½ in. 6 ft. long, double and stitched square edges with triangular cock-eyes sewed in.
Pads—4 in. swelled harness leather tops, spotted, felt lined, 1¼ in. layer, leather loops for crotch back straps.
Belly Bands—Folded, with 1½ in. buckles.
Breast Straps—1½ in with slides.
Martingales—1½ in. with ⅞ in. collar straps.
Breeching—Folded bodies, with 1¼ in. layer, 1 in. spotted crotch back straps to ring in hames, safe on rump, 1 in. spotted double hip straps with reversed buckles, 1 in. side straps, 1 in. lazy straps with layers.
Collars—No. 28.
No. 558A—Japanned and brass trimmed, with collars, per set .....**DABJ** $68.70
No. 558AO—Japanned and brass trimmed, less collars, per set .....**CFJJ** $60.00
No. 558B—XC and nickel trimmed, with collars, per set .....**DABJ** $68.70
No. 558BO—XC and nickel trimmed, less collars, per set .....**CFJJ** $60.00

ONE SET IN A BOX. W'T ABOUT 70 LBS.

HARNESS.



No. 559.

TEAM.

Bridles—¾ in. cheeks with long box loops, spotted sensible harness leather blinds, round winker stays, spotted fronts and face pieces.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 5BCL oiled, Concord bolt with combination loops.
Hame Tugs—1½ in. bolt, with long fender spotted box loops, jointed hame attachments, 1½ in. belly band billets sewed in Champion track buckles.
Spread Straps—⅝ in. with rings.
Traces—1½ in. wide, 6 ft. long, double and stitched, square edges, with cockeyes sewed in.
Pads—5 in. swelled harness leather, felt lined, 1¼ in. layer forming loops for crotch, back straps.
Belly Bands—1½ in., folded.
Breast Straps—1½ in. patent loops with slides and snaps.
Martingales—1½ in. with ⅞ in. collar straps.
Breeching—Folded body with 1¼ in. layer, 1 in. spotted crotch back straps running to ring in hames, 1 in. spotted double hip straps sewed into ring on hip, with leather rump and hip safes, 1 in. side straps, 1 in. lazy straps.
Collars—No. 30.

No. 559-A—Japanned trimmed, with collars..set	DDDJ	$74.00
No. 559-AO—Japanned trimmed, less collars, set	CICJ	65.50
No. 559-B—XC trimmed, with collars .....per set	DHJJ	74.00
No. 559-BO—XC trimmed, less collars....per set	DAHJ	65.50

ONE SET IN A BOX. W'T ABOUT 80 LBS.

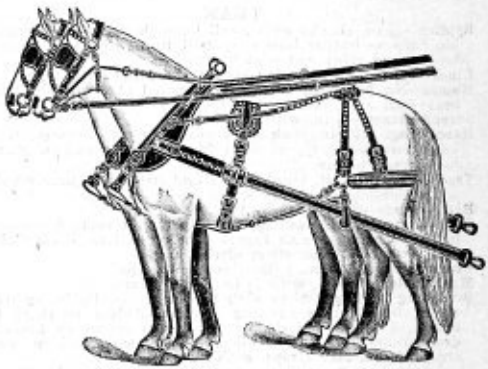
TEAM.

Bridles—¾ in. cheeks with long box loops, sensible harness leather blinds, round winker stays, spotted front and face pieces, short round rein over hame.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 272, bolt, painted red, steel bound, XC ball tops and trimmings.
Spread Straps—⅝ in., with rings.
Hame Tugs—1½ in. bolt with inserted chafes, long laced box loop, 1½ in. belly band billets sewed in Champion trace buckles.
Traces—1½ in., 6 ft. long, double and stitched, square edges with triangular cockeyes sewed in.
Pads—5 in., swelled harness leather tops nickel spotted, felt lined, 1¼ in. layer forming loops for crotch back straps.
Belly Bands—Folded with layer, 1½ in. buckles.
Breast Straps—1½ in., with slide and snaps.
Martingales—1½ in., with ⅞ in. collar steraps.
Breeching—Folded bodies with 1¼ in. layer, 1 in. spotted crotch back straps to ring in hames, safe on rump, 1 in. spotted double hip straps, 1 in. side straps, 1 in. lazy straps.
Collars—No. 30.

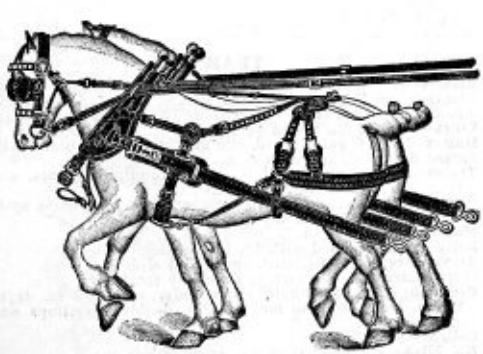
No. 554A—Japan trimmed, with No. 273 brass trimmed hames, with collars .....per set	DFFJ	$73.00
No. 554AO—Japan trimmed, with No. 273 brass trimmed hames, less collars .....per set	DJEJ	64.40
No. 554-B—XC trimmed,, with collars.....per set	DEHJ	71.00
No. 554-BO—XC trimmed, less collars....per set	CIFJ	62.20

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 70 LBS.



No. 554.



No. 542.

TEAM—GREGG.

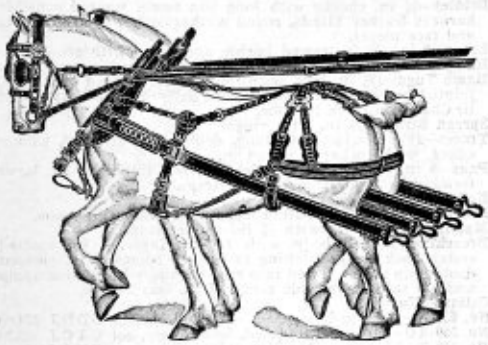
Bridles—¾ in. short cheeks with bit straps and spotted nose bands, short box loops on top, sensible harness leather blinds, double and stitched spotted fronts, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckles and billets, with snaps.
Hames—No. 272, bolt, painted red, steel bound, XC ball tops and trimmings.
Hame Tugs—Moeller's adjustable, attached to hames with outside flexible bolt hame attachments, 1½ in. belly band billets.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 5 ft. 9 in. long, double and stitched, square edges, with triangular cockeyes sewed in.
Belly Bands—Folded, with layers, 1½ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1 in. spotted crotch back straps to market tugs and hames, 1 in. spotted double hip straps sewed into ring on hip with leather rump and hip safes, ⅞ in. center straps with snaps, 1 in. side and lazy straps.
Collars—No. 58.
Trimmings—XC.

No. 542-B—1½ in. traces, with collars.....per set	DIEJ	$80.80
No. 542-BO—1½ in. traces, less collars....per set	DBJJ	68.00
No. 543-B—1¾ in. traces, with collars.....per set	EABJ	83.60
No. 543-BO—1¾ in. traces, less collars....per set	DCGJ	70.80

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 75 LBS.

HARNESS.



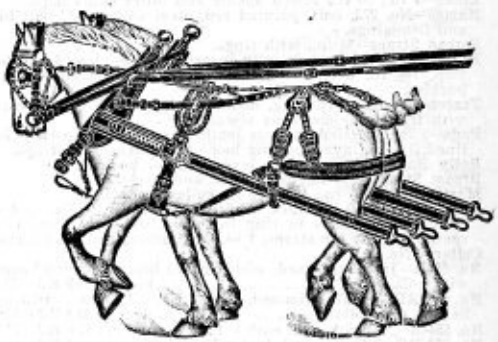
No. 598.

TEAM.

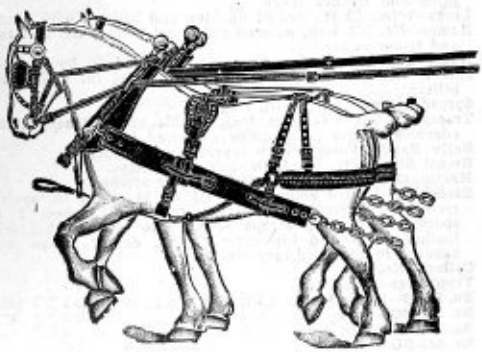
Bridles—¾ in. short cheeks with bit straps and spotted nose bands, short box loops on top, sensible harness leather blinds, double and stitched spotted fronts, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckles and billets, with snaps.
Hames—No. 6-B, Concord bolt, Damascus finish.
Hame Tugs—1½ in., bolt, with heavy inserted chafes, long laced box loops, 1½ in. belly band billets sewed in Champion trace buckles.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, with triangular cockeyes sewed in.
Belly Bands—Folded with layers, 1½ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅝ in. collar straps.
Breeching—Folded bodies with 1¾ in. layers, 1 in. spotted crotch back straps running to market tugs and hames, 1 in. spotted hip straps sewed into Lincoln hip ornaments with leather hip and rump safes, ⅞ in. center straps with snaps, folded cruppers to buckle on snap crupper forks, 1 in. side and lazy straps.
Collars—No. 30.
No. 598-B—XC trimmed, with collars..per set **EJGE** $80.00
No. 598-BO—XC trimmed, less collars, per set **DDFJ** 71.30
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 75 LBS.

TEAM.

Bridles—¾ in. cheeks with small loops, brass spotted, sensible harness leather blinds, spotted fronts and face pieces, long round reins and winker strap.
Lines—1¼ in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 920, bolt, all steel, enameled black finish, 2 in. brass ball only, combination loops.
Spread Straps—⅝ in. with rings.
Hame Tugs—1½ in., bolt with heavy inserted chafes, long laced box loops, 1½ in. belly band billets sewed in champion trace billets.
Traces—1½ in., 6 ft. long, double and stitched, square edges, with triangular cockeyes sewed in.
Belly Bands—folded, 1½ in. buckles.
Pads—Extra wide, swelled, felt lined and spotted harness leather housings, with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.
Breast Straps—1 ¾in., with slides and snaps.
Martingales—1¾ in., with ¾ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1⅛ in. spotted crotch back straps running through bridges to rings in hames, 1 in spotted double hip straps sewed in Lincoln drop ornaments, leather hip and rump safes, 1⅛ in. side straps, ⅜ in. lazy straps, with liners.
⅞-in center straps with snaps, folded cruppers to buckle on snaps crupper forks.
Collars—No. 30.
No. 562-A—Japanned trimmed, 1½ in. traces, with collars, per set .....**DHEJ** $88.20
No. 562-AO—Japanned trimmed, 1½ in. traces, without collars, per set .....**DEIJ** $78.00
ONE SET IN A BOX; W'T ABOUT 62 LBS.



No. 562.

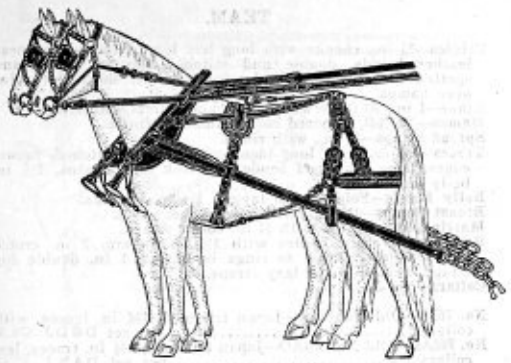


No. 521.

TEAM.

Bridles—¾ in. long cheeks with narrow loops, harness leather sensible blinds, round winker stays, spotted fronts and face pieces, short flat reins to check over hames.
Lines—1 in., 20 ft., sewed buckle and billets, with snaps.
Hames—No. 271, painted red, clip and breast ring, brass balls.
Spread Straps—¾ in., with rings.
Traces—2½ in., folded, 5 ft. 6 in. long to clip on hames, with 18 in. swivel and clip heel chains.
Pads—5½ in., swelled harness leather, tops with brass spots, leather lined, 1½ in. layer and dee.
Market Straps—1½ in.
Belly Bands—Folded with 1¼ in. buckles.
Breast Straps—1½ in., with snaps and slides.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—2¾ in., single strap body, with 1¾ in. layer, 1¼ in. back strap to hames, 1 in. double hip straps with spots.
Collars—No. 30.
No. 521-A—Japanned trimmed, with collars, per set .....**DBDJ** $64.00
No. 521-AO—Japanned trimmed, less collars, per set .....**CFBE** $55.30
Without hitch straps.
ONE SET IN A BOX. W'T ABOUT 80 LBS.

HARNESS.



No. 758.

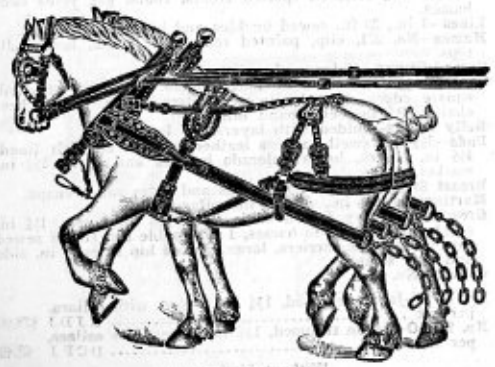
TEAM.

Bridles—⅞ in. cheeks, small loops, brass spotted sensible harness leather blinds, round winker stays, spotted fronts and face pieces, short flat rein over hames.
Lines—1 in. x 20 ft., sewed buckle and billets, with snaps.
Hames—No. 500, japanned body brass trimmed ,clip and breast ring, 1¼ in. riveted ball, combination loop.
Spread Straps—¾ in. with rings.
Traces—1¼ in., 5 ft. 4 in. long, double and 3 row stitched, square edges, long scalloped fenders, 18 in. swivel heel chains, 1½ in. belly band billets.
Belly Bands—Folded, with layer, 1½ in. buckles.
Pads—5 in., swelled and tapered, felt lined, brass spotted harness leather tops, with brass Colorado bridges, 1½ in. layer, full length, 1½ in. billets.
Breast Straps—1½ in., with snaps and extra roller snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Heavy folded bodies, with 1½ in. layer, 1½ in. single back straps to hames, 1 in. double hip straps sewed into brass trace carriers, large spotted hip safes, 1 in. side and lazy straps.
Collars—No. 31.

No. 768A—Japanned trimmed, 1¼ in. traces, with collars, per set .....**DHIE** $81.60

No. 768AO—Japanned trimmed, 1¼ in. traces, less collars, per set .....**DCBJ** $72.00

ONE SET IN A BOX, W'T ABOUT 65 LBS.



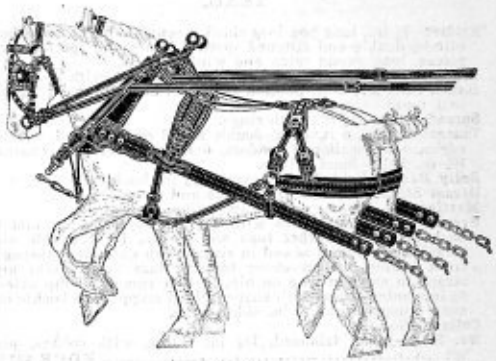
No. 769

TEAM.

Bridles—⅞ in. cheeks with long box loops, spotted sensible harness leather blinds, spotted fronts and face pieces, round winker stays, long round gag reins.
Lines—1¼ in. 20 ft., sewed buckles and billets with snaps.
Hames—No. 5BCL, Concord, bolt, Damascus finish, with combination loops.
Spread Straps—¾ in. with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, long inserted scalloped fenders, with 18 in. heel chains.
Pads—5 in., swell spotted harness leather, felt lined, 1¼ in. layer forming loops for crotch back straps.
Belly Bands—1½ in., folded.
Breast Straps—1½ in. patent loop with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in layers, 1 in. spotted crotch back straps running to rings in hames, 1 in. spotted double hip straps sewed into ring on hip, with leather rump and hip safes, ⅞ in. center straps with snaps, 1 in. side and lazy straps.
Collars—No. 30.

No. 758A—Japanned trimmed, with collars, per set .....**DFEJ** $37.80
No. 758AO—Japanned trimmed, less collars, per set .....**DJDJ** 65.10
No. 758B—XC trimmed, with collars.....per set **DEFJ** 73.80
No. 758BO—XC trimmed, less collars....per set **CIFJ** 65.10

ONE SET IN A BOX. W'T ABOUT 80 LBS.



No. 768.

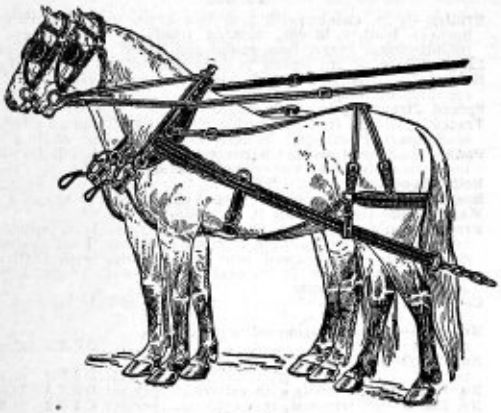
TEAM.

Bridles—⅞ in. cheeks with small loops, brass spotted, sensible harness leather blinds, round winker stays, spotted fronts and face pieces, flat short rein over hames.
Lines—1¼ in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 920, bolt, all steel, enameled black finish, 2 in. brass ball only, combination loops.
Spread Straps—¾ in. with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, long scalloped brass spotted fenders, 6 link swivel heel chains, 1½ in. belly band billets.
Belly Bands—folded, 1½ in. buckles.
Pads—Extra wide, swelled, felt lined and spotted harness leather housings, with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.
Breast Straps—1 ¼in., with slides and snaps.
Martingales—1¼ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1⅛ in. spotted crotch back straps running through bridges to rings in hames, 1 in spotted double hip straps sewed in Lincoln drop ornaments, leather hip and rump safes, 1¼ in. side straps, ⅞ in. lazy straps, with liners.
Collars—No. 30.

No. 769A—Japanned trimmed, 1½ in. traces, with collars, per set .....**DIBJ** $78.80
No. 769AO—Japanned trimmed, 1½ in. traces, without collars, per set .....**DBJJ** $70.00

ONE SET IN A BOX; W'T ABOUT 62 LBS.

HARNESS.



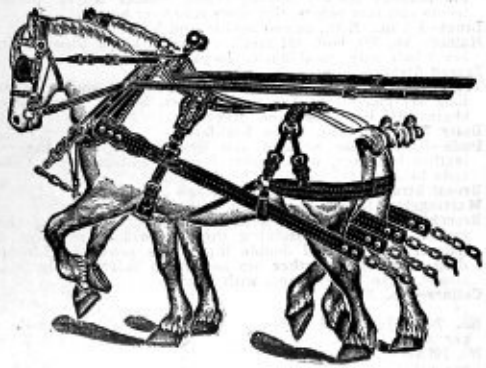
No. 763.

TEAM.

Bridles—¾ in., long box loop cheeks, sensible harness leather blinds, double and stitched spotted fronts and spotted face pieces, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckles and billets with snaps.
Hames—No. 27, bolt, painted red, steel bound, brass Chicago ball tops.
Spread Straps—¾ in., with rings.
Traces—1¼ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped fenders, 6 link swivel heel chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1½ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ¾ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1 in. crotch back straps to market tugs and hames, 1 in. double hip straps, the forward sewed in ring on hip extending through front lead-up on breeching forming lazy straps, rear hip straps to snap in ring on hip, leather rump and hip safes, ⅞ in. center straps with snaps, folded cruppers to buckle on snap crupper forks, 1 in. side straps.
Collars—No. 58.
No. 765A—Japan trimmed, 1¾ in. traces, with collars, per set ..... **EDCE** $82.80
No. 765AO—Japan trimmed, 1¾ in. traces, less collars, per set ..... **DECE** $70.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 90 LBS.



No. 767.

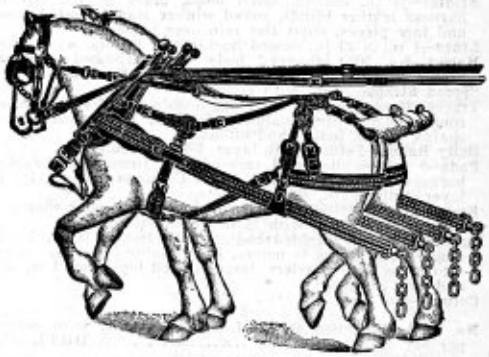
TEAM.

Bridles—¾ in., cheeks with long box loops, sensible harness leather blinds, double and stitched spotted fronts and spotted face pieces, round winker stays, short flat reins over hames.
Lines—1 in., 20 ft., sewed buckle and billets with snaps.
Hames—No. 6B, Concord bolt, Damascus finish.
Spread Straps—⅝ in., with rings.
Traces—1¾ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped fenders, 6 link heel chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1¼ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¾ in. layers, 1 in. crotch back straps running to rings in hames, 1 in. double hip straps, 1 in. side and lazy straps.
Collars—No. 30.

No. 763A—Old No. 563A—Japan trimmed, 1¾ in. traces, with collars ..... per set **DGDJ** $76.20
No. 763AO—Old No. 563AO—Japan trimmed, 1¾ in. traces, less collars . . .. per set **DABJ** 67.50

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 85 LBS.



No. 765.

TEAM.

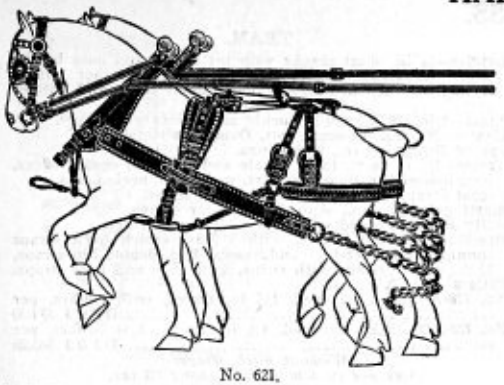
Bridles—⅞ in., short cheeks with bit straps and spotted nose bands, short loops on top, sensible harness leather blinds, double and stitched spotted fronts, round gag reins over hames.
Lines—1 in., 20 ft., sewed buckles and billets with snaps.
Hames—No. 271, clip, painted red, steel bound, brass ball tops.
Spread Straps—¾ in., with rings.
Traces—1¾ in., 5 ft. 4 in. long, double and 3 row stitched, square edges, long scalloped fenders, 18 in. swivel heel chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1½ in. buckles.
Pads—5½ in., swell harness leather, spotted and felt lined, 1½ in. layers, brass Colorado bridges and spots, 1½ in. market straps.
Breast Straps—1½ in. with snaps and extra roller snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Heavy folded bodies with 1½ in. layers, 1½ in. single back straps to hames, 1 in. double hip straps sewed into brass trace carriers, large spotted hip safes, 1 in. side and lazy straps.
Collars—No. 31.

No. 767A—Japan trimmed, 1¾ in. traces, with collars, per set . . .. **EJDJ** $78.00
No. 767AO—Japan trimmed, 1¾ in. traces, less collars, per set ..... **DCFJ** 68.40

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 60 LBS.

HARNESS.



No. 621.

TEAM.

Bridles—¾ in. cheeks, with box loops, brass spotted sensible harness leather blinds, round winker stays, spotted fronts and face pieces, short flat reins over hames.
Lines—1¼ in., 20 ft., sewed buckle and billets with snaps.
Hames—No. 915, clip, combination loop, all steel, enameled black, 2 in. brass balls only.
Spread Straps—¾ in., with ring
Traces—2 in., 5 ft. long, doubled and stitched, square edges, 3½ ft. stage chains, 1½ in. belly band billets.
Belly Bands—Folded, with 1½ in. buckles.
Pads—5 in., swell and tapered, felt lined, brass spotted, harness leather tops, with brass Colorado bridges, 1½ in. layer, full length, 1½ in. billets.
Breast Straps—1½ in, with snaps and slides.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—2½ in., single strap body, 1½ in. layer, 1½ in. back strap to hame, 1 in. double hip straps, with spots, 1 in. side and lazy straps.
Collars—No. 30.

No. 621A—Japanned trimmed, with collar, per set **DJHJ** $74.20
No. 621AO—Japan'd trimmed, less collar, per set **CEGE** 65.00

ONE SET IN A BOX. W'T ABOUT 80 LBS.

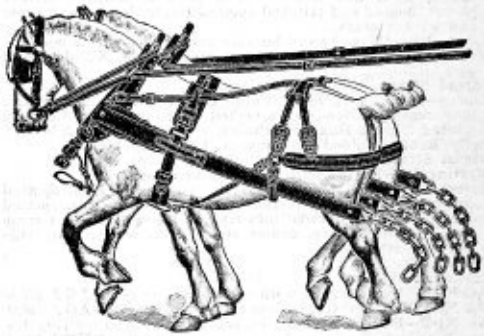
TEAM.

Bridles—¾ in. cheeks, with small loops, sensible harness leather blinds, double and stitched fronts, plain face pieces, double and stitched winker stays, short flat reins over hames.
Lines—1 in., 20 ft., setwed buckle and billets, with snaps.
Hames—No. 6-B, Concord bolt, Damascus finish.
Spread Straps—¾ in., with rings.
Traces—1¼ in., double and stitched, square edges, long inserted scalloped fenders with 8 link heel chains, 1¼ in. double and stitched belly band billets.
Pads—2½ in., double and stitched with loops for crotch back straps, 1¼ in. billets to buckle in dees in traces.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., double and stitched with ⅞ in. collar straps.
Breeching—Folded bodies with 1⅝ in. layers, 1⅝ in. crotch back straps running to rings in hames, 1 in. double hip straps sewed into ring on hip with leather rump and hip safes, 1 in. side straps, ¾ in. lazy straps.
Collars—No. 30.

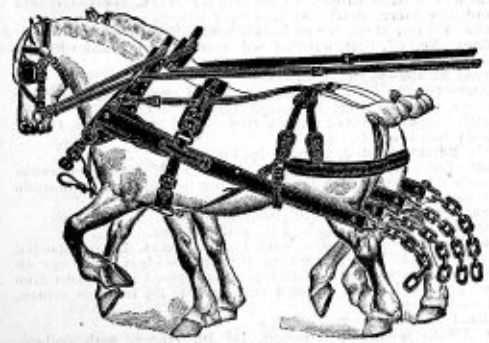
No. 720-A—Japan trimmed, 1¼ in. traces, 5 ft. 6 in. long exclusive of heel chains, with collars, per set **DFHJ** $73.00
No. 720-AO—Japan trimmed, 1¼ in. traces, 5 ft. 6 in. long exclusive of heel chains, less collars, per set **DJFJ** $64.00
No. 721-A—Extra large japan trimmed, 1¼ in. traces, 6 ft. long exclusive of heel chains, with collars, per set **DHCE** $75.00
No. 721-AO—Extra large japan trimmed, 1¼ in. traces, 6 ft. long exclusive of heel chains, less collars, per set ..... **DBBE** $66.50

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 85 LBS.



Nos. 720 and 721.



No. 722.

TEAM.

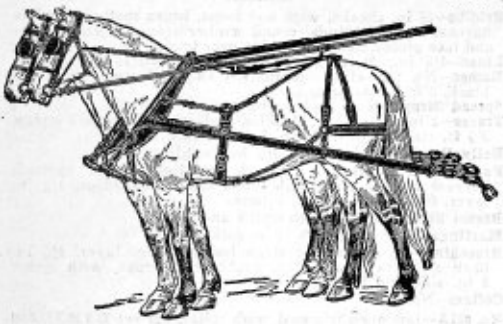
Bridles—¾ in. box loop cheeks, sensible harness leather blinds, double and stitched fronts, plain face pieces, double and stitched winker stays, short flat reins over hames.
Lines—1⅛ in., 20 ft., sewed buckle and billets, with snaps.
Hames—No. 6-B, Concord bolt, Damascus finish.
Spread Straps—⅝ in., with rings.
Traces—1¼ in., 6 ft. long, double and stitched, square edges, long inserted scalloped fenders with 8 link heel chains, 1½ in. belly band billets.
Pads—2½ in., double and stitched with loops for crotch back straps, 1¼ in. billets to buckle in dees in traces.
Belly Bands—Folded, with 1½ in. buckles.
Breast Straps—2 in., with slides and snaps.
Martingales—2 in., with ⅞ in. collar straps.
Breeching—Folded bodies, with 1¼ in. layers, 1⅝ in. crotch back steraps running to rings in hames, 1⅛ in. double hip straps sewed into ring on hip with leather rump and hip safes, 1⅝ in. side straps, ¾ in. lazy straps.
Collars—No. 30.
Trimming—Japan.

No. 722-A—1¼ in. traces, with collars, per set **DEIJ** $77.00
No. 722-AO—1¼ in. traces, less collars, per set **DCDJ** 68.20
No. 732-A—No. 10-B hames, 2 in. traces, with collars, per set ..... **DGGJ** $79.50
No. 732-AO—No. 10-B hames, 2 in. traces, less collars, per set ..... **DBFJ** $71.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 85 LBS.

HARNESS.



No. 728.

TEAM.

Bridles—¾ in. short cheeks with bit straps and nose bands, short box loops on top, sensible harness leather blinds, double and stitched fronts, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckle and billets with snaps.
Hames—No. 6-B, Concord bolt, Damascus finish.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, long inserted scalloped fenders, with 18 in. heel chains.
Breast Straps—1¼ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Belly Bands—Folded with layers, 1½ in. buckles.
Breeching—Folded bodies, with 1¼ in. crotch back straps running to market tugs and hames, 1 in. double hip straps, ⅞ in. center straps with snaps, 1 in. side and lazy straps.
Collars—No. 30.
No. 728-A—Japan trimmed, 1½ in. traces, with collars, per set ..... **DFCJ** $74.30
No. 728-AO—Japan trimmed, 1½ in. traces, less collars, per set ..... **DJBJ** $65.20

Without hitch straps.

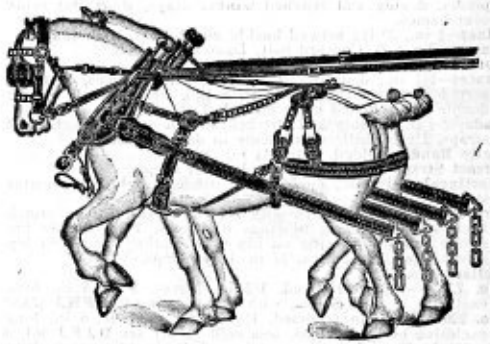
ONE SET IN A BOX. W'T ABOUT 80 LBS.

TEAM—MALBONE.

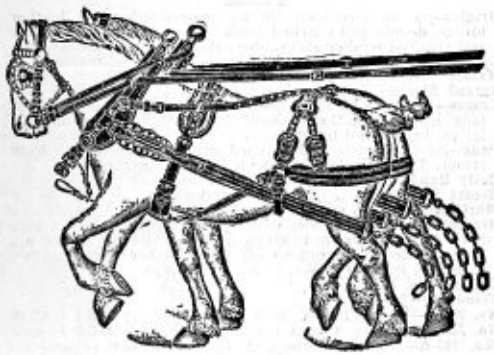
Bridles—¾ in. short cheeks with bit straps and spotted nose bands, short box loops on top, sensible harness leather blinds, double and stitched spotted fronts, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckles and billets with snaps.
Hames—No. 272, bolt, painted red, steel bound, XC plate ball tops.
Spread Straps—⅝ in., with rings.
Traces—1½ in., 6 ft. long, double and stitched, square edges, long scalloped fenders, attached to hames with Cooper's jointed clips, 6 link heel chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1½ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Martingales—1½ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1 in. spotted crotch back straps to market tugs and hames, 1 in. spotted double hip straps sewed into ring on hip with leather rump and hip safes, ⅞ in. center straps with snaps, 1 in. side and lazy straps.
Collars—No. 58.
Trimming—XC.
No. 760-B—1½ in. traces, with collars.....per set **EJGJ** $77.80
No. 760-BO—1½ in. traces, less collars....per set **DAGJ** 65.00
No. 761-B—1¾ in. traces, 1¼ in. breast straps and martingales, with collars .....per set **DHHJ** $80.80
No. 761-BO—1¾ in. traces, 1¼ in. breast straps and martingales, less collars .....per set **DDAJ** $68.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 85 LBS.



Nos. 760 and 761.



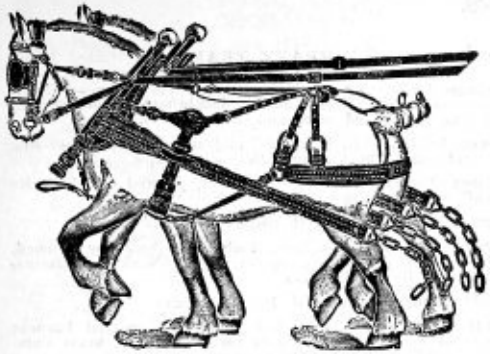
No. 770.

DOUBLE TEAM.

Bridles—⅞ in. cheeks with small loops, brass spotted sensible harness leather blinds, round winker stays, spotted fronts and face piece, short flat rein over hames.
Lines—1¼ in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 277, bolt, painted red, steel bound, brass Chicago ball tops.
Spread Straps—⅝ in., with rings.
Traces—1¾ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped spotted fenders attached to hames with Cooper's jointed clips, 6 ring swivel heel chains, 1½ in. belly band billets.
Belly Bands—Folded, with 1½ in. buckles.
Pads—Extra wide swell, felt lined and spotted harness leather housings with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.
Breast Straps—1¼ in., with slides and snaps.
Martingales—1¼ in., with ⅞ in. collar straps.
Breeching—Folded bodies, with 1¼ in. layers, 1⅛ in. spotted crotch back straps running through bridges to rings in hames, 1 in. spotted double hip straps sewed in Lincoln drop ornaments, leather hip and rump safes, 1¼ in. side straps, 1 in. lazy straps.
Colla.—No. 30.
No. 770-A—Japanned trimmed, 1¾ in. traces, with collars, per set ..... **EADJ** $83.00
No. 770-AO—Japanned trimmed, 1¾ in. traces, less collars, per set ..... **DECJ** $74.20

ONE SET IN A BOX. W'T ABOUT 65 LBS.

HARNESS.



No. 772.

TEAM.

Bridles—¾ in. short cheeks with bit straps and spotted nose bands, short box loops on top, sensible harness leather blinds, double and stitched spotted fronts, long round reins and winker stays.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 277, bolt, painted red, steel bound, brass Chicago ball tops.
Spread Straps—¾ in., with rings.
Traces—1¼ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped fender, 6 link heel chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1½ in. buckles.
Breast Straps—1½ in., with slides and snaps..
Martingales—1½ in. with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1 in. spotted crotch back straps to market tugs and hames, 1 in. spotted double hip straps with leather rump safes, ⅞ in. center straps with snaps, 1 in. side and lazy straps.
Collars—No. 34.

No. 772-E—Brass trimmed, 1¾ in. traces, with collars, per set ..... **EDCJ** $90.00
No. 772-EO—Brass trimmed, 1¾ in. traces, less collars, per set ..... **DGDJ** $78.80

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 65 LBS.

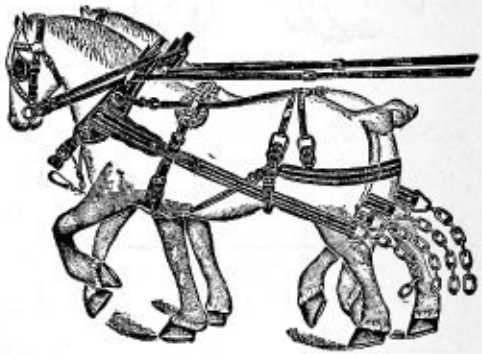
TEAM.

Bridles—¾ in. cheeks, short loops, sensible harness leather blinds, double and stitched spotted fronts and spotted face pieces, round winker stays, short flat reins over hames.
Lines—1 in., 20 ft., sewed buckle and billet with snaps.
Hames—No. 6-B, Concord bolt, Damascus finish.
Spread Straps—¾ in., with rings
Traces—1¼ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped fender, 6 link heel chains, 1½ in.
Belly Bands—Folded, with 1½ in. buckles.
Pads—Extra wide swell, felt lined and spotted harness leather leather housings with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.
Breast Straps—1¾ in., with slides and snaps.
Martingales—1¾ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1½ in. layers, 1¼ in. crotch back straps running through bridges to rings in hames, 1 in. double hip straps with leather rump safes, 1⅛ in. side straps, ⅞ in. lazy straps.
Collars—No. 30.

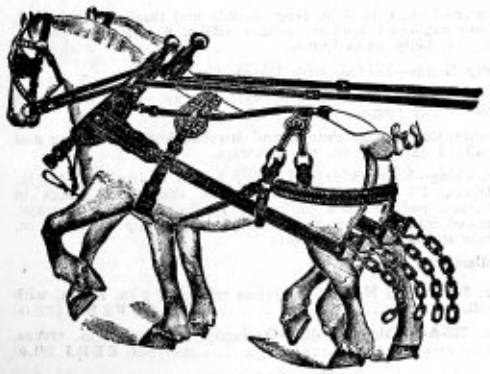
No. 774-A—Japan trimmed, 1¾ in. traces, with collars, per set ..... **DDJJ** $80.00
No. 774-AO—Japan trimmed, 1¾ in. traces, less collars, per set ..... **CICJ** $71.30

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 65 LBS.



No. 774.



No. 775.

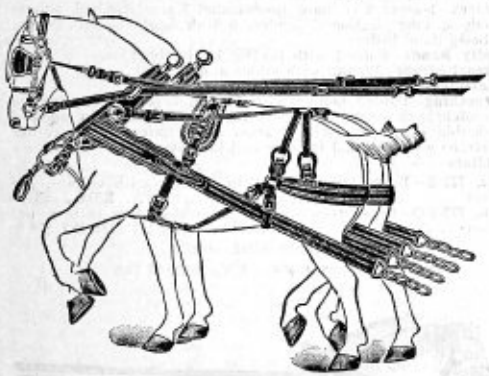
TEAM—MILLETT.

Bridles—⅞ in. cheeks, short loops, sensible harness leather blinds, double and stitched spotted fronts and spotted face pieces, round winker stays, short flat reins over hames.
Hames—No. 277, bolt, painted red, steel bound, brass Chicago ball tops.
Lines—1 in., 20 ft., sewed buckle and billets with snaps.
Spread Straps—¾ in., with rings.
Traces—1¾ in., 6 ft. long, double and 3 row stitched, square edges, long scalloped fenders, 6 link heel chains, 1½ in. belly band billets.
Belly Bands—Folded with 1½ in. buckles.
Pads—Extra wide swell, felt lined and spotted harness leather housings with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.
Breast Straps—1¾ in. with slides and snaps.
Martingales—1¾ in., with ⅞ in. collar straps.
Breeching—Folded bodies with 1¼ in. layers, 1¼ in. crotch, back straps running through bridges to rings in hames, 1 in. double hip straps sewed into Lincoln drop ornaments, leather hip and rump safes, 1⅛ in. side straps, ⅞ in. lazy straps.
Hitch Straps—¾ in.
Collars—No. 30.

No. 775-A—Japan trimmed, 1¾ in. traces, with collars, per set ..... **EBJJ** $85.00
No. 775-AO—Japan trimmed, 1¾ in. traces, less collars, per set ..... **DEIJ** $76.30

ONE SET IN A BOX. W'T ABOUT 65 LBS.

HARNESS.



No. 785.

HEAVY TEAM.

Bridles—1 in., short cheeks with bit straps and nose bands, harness leather Concord blinds, double and stitched spotted fronts, long round reins and winker stays.

Lines—1¼ in., 28 ft. long, "D" and snap back of cross line buckle, sewed buckle and billets with snaps.

Hames—No. 330, Dandy Concord bolt, painted red, Favorite ball, brass long spot.

Spread Straps—¾ in., with rings.

Traces—2 in., 6 ft. 3 in. long, double and three row stitched, long scalloped fenders, square edges, 6 link heel chains, 1½ in. belly band billets.

Belly Bands—Folded, with 1½ in. buckles.

Pads—Extra wide swell, felt lined and spotted harness leather housings with layers forming billets, brass Colorado bridges, 1½ in. short market tugs.

Breast Straps—1¼ in., with roller snaps.

Martingales—1¼ in., double and stitched full length, with ring and safe, and loose ring, 1 in. collar straps.

Breeching—Extra wide and heavy folded bodies with 1½ in. layers, 1¼ in. crotch back straps running through bridges to rings in hames, 1¼ in. double hip straps, 1 in. center back straps, 1¼ in. side straps, 1 in. lazy straps.

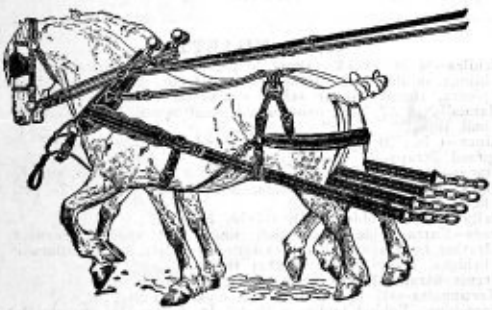
Hitch Straps—1 in.

Collars—No. 55.

No. 785A—Japanned trimmed, 2 in. traces, with collars, per set ..... **JFGBJ** $112.00

No. 785AO—Japanned trimmed, 2 in. traces, less collars, per set ..... **EHHJ** $98.00

ONE SET IN A BOX. W'T ABOUT 95 LBS.



N. 782.

DOUBLE TRUCK.

Bridles—⅞ in. short cheeks with bit straps and nose bands, harness leather Concord blinds, double and stitched spotted fronts, round winker stays, short flat reins over hames.

Lines—1½ in., 18 ft., sewed buckle and billets, with extra line spreaders and snaps.

Hames—No. 313, Dandy Concord bolt, painted red, brass ball tops and trimmings.

Spread Straps—¾ in., with rings.

Traces—2 in., 6 ft. 3 in. long, double and three row stitched, long scalloped fenders, square edges, 6 link heel chains, 1½ in. belly band billets.

Belly Bands—Folded, with 1½ in. buckles.

Breast Straps—1¼ in., with extra breast strap extensions and roller snaps.

Martingales—1½ in. double and stitched body with ring and padded safe, 1½ in. collar straps.

Breeching—Extra wide and heavy folded bodies with 1¼ in. layers, 1¼ in. crotch back straps running to rings in hames, padded safes on rump, 1¼ in. double hip straps, sewed into trace carriers on hips, leather hip safes, 1¼ in. side straps, 1 in. lazy straps.

Collars—No. 55.

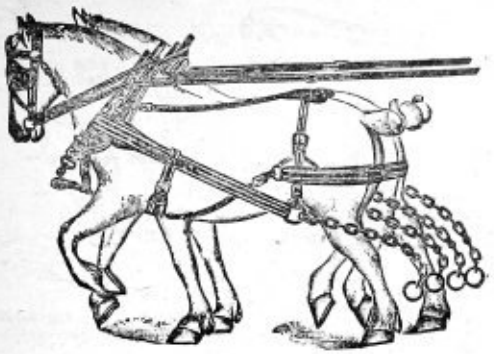
No. 782-A—Old No. 635-A—Japan trimmed, 2 in. traces, with collars ..... per set **JFEBJ** $105.00

No. 782-AO—Old No. 635-AO—Japan trimmed, 2 in. traces, less collars ..... per set **EEBJ** $91.40

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 90 LBS.

HARNESS.



No. 650.

LUMBER—WESTCOTT.

Bridles—⅞ in. box loop cheeks, sensible harness leather blinds, round "T" winker stays, double and stitched brass spotted fronts, spotted face pieces, short flat reins over hames.
Lines—1 in., 20 ft., sewed buckle and billets with snaps.
Hames—Nos. 650-A and 650-AO have No. 6-B and Nos. 651-A to 652-AO have No. 8-B, Concord bolt, Damascus finish.
Spread Straps—¾ in., with rings.
Traces—1½ in., 4 ft. 8 in. long, double and three row stitched, scalloped fenders, 30 in. straight link butt chains, 1½ in. belly band billets.
Belly Bands—Folded with layers, 1½ in. buckles.
Breast Straps—1¾ in., with extra breast strap extensions and roller snaps.
Martingales—1½ in., with 1 in. collar straps.
Breeching—Extra wide and heavy folded bodies with 1½ in. layers, 1½ in. crotch back straps to hames, 1¼ in. hip straps extending through breeching lead ups forming lazy straps, 1¼ in. side straps.
Collars—No. 58.
Trimmings—Japanned.

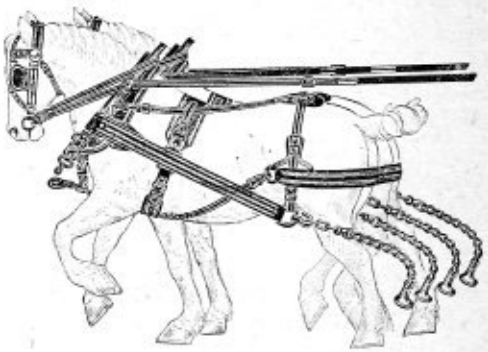
No. 650-A—1¼ in. trace, with collars ....per set **DHIJ** $75.80
No. 650-AO—1¼ in. trace, less collars....per set **DJJJ** 63.00
No. 651-A—2 in. trace, with collars .....per set **EAJJ** 78.30
No. 651-AO—2 in trace, less collars.....per set **DBBJ** 65.50
No. 652-A—2¼ in. trace, 1½ in. hip straps, with collars, per set .....**EBEJ** $80.80
No. 652-AO—2¼ in. trace, 1½ in. hip straps, less collars, per set .....**DCGJ** $68.00

ONE SET IN A BOX. W'T ABOUT 75 LBS.

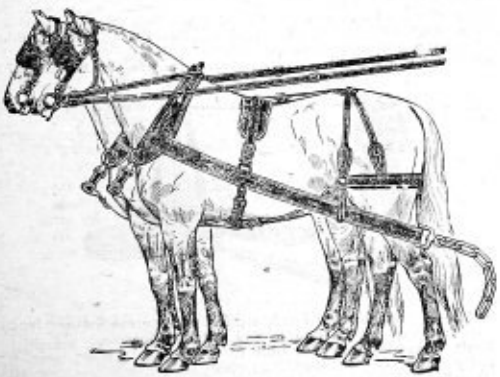
Bridles—¾ in. box loop cheeks, sensible harness leather blinds, round "T" winker stays, double and stitched brass spotted fronts, spotted face pieces, short flat reins over hames.
Lines—1½ in., 20 ft., sewed buckle and billet snaps.
Hames—No. 10B, Concord, bolt, Damascus finish.
Spread Straps—¾ in. with rings.
Traces—2½ in., 4 ft. 8 in. long, double three row stitched, scalloped fenders, No. 99, 36 in. twist link lumber heel chains with grab link, 1½ in. belly band billets.
Belly Bands—Folded, with layer, 1½ in. buckles.
Pads—4 in. heavy back band webbing, with billets and leather loops for crotch back straps to pass through.
Breast Straps—2 in., with extra breast strap extensions and roller snaps.
Martingales—2 in., with 1 in. collar straps.
Breeching—Extra wide and heavy folded bodies, with 1½ in. layers, 1¾ in. crotch back straps to hames, 1½ in. hip straps extending through breeching lead ups forming lazy straps, 1¼ in. side straps.
Collars—No. 59.
Trimmings—Japanned.

No. 653-A—2½ in. traces, with collars....per set **DIEJ** $90.00
No. 653-AO—2½ in. traces, less collars ..per set **DABE** 75.00

ONE SET IN A BOX: W'T ABOUT 85 LBS.



No. 653.



No. 567.

CONCORD TEAM.

Bridles—¾ in. cheeks, sensible harness leather blinds, round winker stays, short flat reins over hames.
Lines—1 in., 18 ft., with snaps.
Hames—No. 232, varnished bolt, steel over top.
Traces—1¼ in. single strap, reinforced at both ends, 12 in. heel chains, 1¼ in. belly band billets.
Pads—4½ in. swelled felt lined housings, 1¼ in. layer, leather loop, reverse billets.
Belly Bands—Folded, with 1¼ in. buckles.
Breast Straps—1½ in., with slides and snaps.
Pole Straps—1½ in.
Breeching—Folded bodies, with 1 in. layers, 1¼ in. back straps to hames, safe on rump, ⅞ in. double hip straps, ⅞ in. side straps, ⅞ in. lazy straps.
Collars—No. 28.

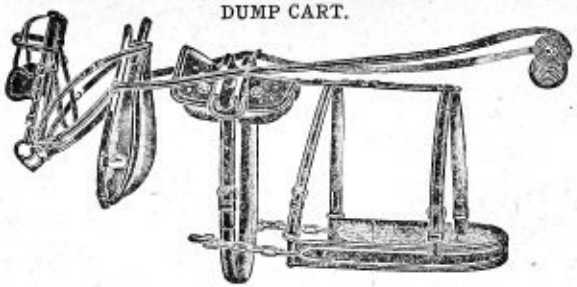
No. 567-B—XC trimmed, with collars.....per set **CHGE** $62.60
No 567-BO—XC trimmed, less collars....per set **CCDJ** 54.00

Without hitch straps.

ONE SET IN A BOX. W'T ABOUT 75 LBS.

HARNESS.

DUMP CART.



No. 250.

Bridle—No. 116, 1 in. cheeks, harness leather sensible blinds, short flat reins over hames, flat winker stays.
Lines—1 in., 13 ft. long.
Hames—No. 75, Concord hook, Damascus finish.
Saddle—No. 1, ironed tree, harness leather housing and stuffed pad.
Shaft Band—2 in. body, 1¼ in. billet.
Breeching—No. 370, 3 in. body, 1¾ in. layer, 1¾ in. back strap, 1¼ in. kidney strap, 1½ in. hip strap.
Collar—No. 30.

No. 250-B—XC trimmed, hames and collar, with collar, per set ..... AGGJ $32.20
No. 250-BO—XC trimmed, hames and collar, less collar, per set ..... AEDJ $28.00

Without hitch straps.

ONE SET IN A BOX. W'T PER SET 55 LBS.

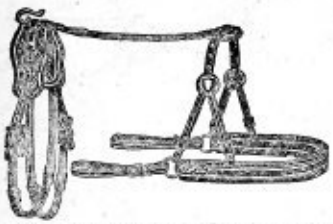
Bridle—No. 119, 1 in. cheeks, sensible blinds, short flat reins over hames, fancy front and face piece, flat winker stays.
Lines—1¼ in., 13 ft. long.
Hames—No. 75, Concord hook, Damascus finish.
Saddle—No. 1, ironed tree, harness leather housings and stuffed pad.
Shaft Band—2 in. body, 1¾ in. billets.
Breeching—No. 378, 3 in. layer on body, 1¼ in. back strap, 1½ in. kidney strap, 1½ in. double hip strap.
Collar—No. 55.

No. 251-B—XC trimmed, hames and collar, with collar, per set ..... BDGE $45.00
No. 251-BO—XC trimmed, hames and collar, less collar, per set ..... BJIJ $38.00

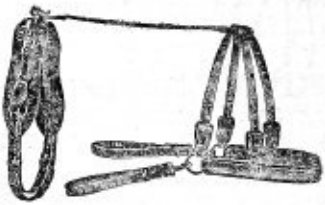
Without hitch straps.

ONE SET IN A BOX. W'T PER SET 60 LBS.

GEORGIA SLIP.



Saddle—4 in. sewed stuffed pad, fancy patent leather top with 1 in. layer, loose line rings and drop hook, 1 in. double and stitched hearer.
Shaft Tugs—1 in., with billets.
Breeching—Folded body with layer, ⅞ in. turn-back, ⅝ in. double hip straps attached to brass heart hip ornament, ⅞ in. brass spotted rump strap.
No. 25—Japan trimmed.....per set DGE $6.20



Saddle—4½ in., self-adjusting, leather lined stuffed pad, single strap skirts, 1 in. double and stitched bearers.
Shaft Tugs—1 in., with billets.
Belly Bands—1 in., flat.
Breeching—Folded with layer, 1 in. turn-back, 1 in. double hip straps, 1 in. breeching straps.
No. 28—XC trimmed.....per set EBE $8.70



Saddle—4½ in., leather lined stuffed pad, patent leather fancy top, 1 in. double and stitched bearers.
Shaft Tugs—1 in. with billets.
Belly Bands—1 in., flat.
Breeching—Folded, with layer, ⅞ in. turn-back, ⅞ in. double hip straps, ⅞ in. breeching straps.
No. 25—XC trimmed.....per set DDJ $7.00



Saddle—4½ in., leather lined, stuffed pad, patent leather fancy spotted top, 1¼ in. double and stitched bearers.
Shaft Tugs—1¼ in., with billets.
Belly Bands—1¼ in., flat.
Breeching—Folded with layer, 1 in. turn-back, 1 in. double hip straps, 1 in. breeching straps.
No. 30—XC trimmed.....per set DHJ $8.50

BUGGY BRIDLES.

OPEN.



⅝ Inch Flat Cheeks with Reverse Buckles, Layer on Crown, 3 Buckle Over Check with Nose Band.

No. 310—Nickel trimmed, per dozen ..... **AGDJ** $28.00

No. 311—Imitation rubber trimmed, per dozen ..... **AGDJ** $28.00

No. 312—Brass trimmed, per dozen ..... **AGDJ** $28.00

WEIGHT PER DOZEN ABOUT 15 LBS.



⅝ Inch Round Cheeks, Layer on Crown, 3 Buckle Over Check with Nose Band.

No. 316—Nickel wire trimmed, per dozen ..... **BDJJ** $38.50

No. 317—Imitation rubber trimmed, per dozen ..... **BDJJ** $38.50

WEIGHT PER DOZEN ABOUT 18 LBS.



¾ Inch Round Cheeks, Layer on Crown, 3 Buckle Over Check with Nose Band.

No. 322—Imitation rubber trimmed, per dozen ..... **BEBJ** $41.50

WEIGHT PER DOZEN ABOUT 23 LBS.

OPEN.



No. 346—Genuine rubber trimmed, light round cheeks and front, round throat latch extending over head, enameled leather folded crown with layer, 3 buckle over check with nose band and check bit, w't per doz. about 14 lbs. .....per dozen **CAIJ** $58.00



No. 349—Genuine rubber trimmed, hand stitched round cheeks and front, solid throat latch, enameled leather folded crown with layer, 5 buckle over cheek with check bit, w't per doz. about 15 lbs. .....per dozen **DIEJ** $90.00

BLIND.



No. 20—XC trimmed, ⅝ in. plain cheeks, patent leather square blinds, flat winker stays, over check, per dozen ..... **AEDJ** $25.00

No. 21—Patent leather sensible blinds, otherwise same as No. 20, per dozen ..... **AFBJ** $26.00

WEIGHT PER DOZEN ABOUT 20 LBS.



No. 24—Japanned trimmed, ⅝ in. box loop cheeks, patent leather square blinds, flat winker stays, over check, w't per doz. about 24 lbs., per dozen ..... **AFEJ** $30.00



⅝ Inch Box Loop Cheeks, Patent Leather Square Blinds, Round Winker Stays, Layer on Crown, 3 Buckle Over Check with Nose Band.

No. 25—Nickel wire trimmed, per dozen ..... **CABJ** $51.00

No. 26—Imitation rubber trimmed, per dozen ..... **CABJ** $51.00

WEIGHT PER DOZEN ABOUT 28 LBS.

BRIDLES.

EXPRESS.



XC Plate Trimmed, Pigeon Wing Blinds, Flat Winker Straps, Short Flat Reins.

No. 111—⅞ in., w't per doz. about 21 lbs.....per dozen **JHGJ** $15.00

No. 112—1 in., w't per doz. about 26 lbs., per dozen .....**AJBJ** $17.50

TEAM.



No. 99—Japanned trimmed, ⅝ in., open cheeks with scalloped safes, felt lined brass ring crown, short flat reins, w't per doz. 12 lbs., per dozen .....**AJJJ** $16.00

TEAM.



No. **100**—XC plate trimmed, ⅞ in. open cheeks, short reins, spotted face piece, w't per doz. 19 lbs., per dozen .....**ACEJ** $20.30



XC Plate Trimmed, Open Cheeks, Round Reins, Spotted Face Piece.

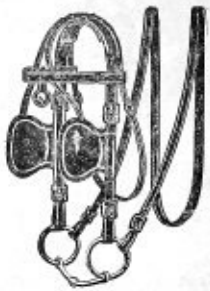
No. 102—⅞ in., w't per doz. about 25 lbs.....per dozen **BJJJ** $32.00



XC Plate Trimmed, Open Cheeks with Scalloped Safes, Round Reins.

No. 107—⅞ in., w't per doz. about 30 lbs.....per dozen **BCJJ** $41.80

TEAM.



Japanned Trimmed.

No. 115—1 in. harness leather sensible blinds, flat winker stays, ⅞ in. harness leather front, felt lined crown, short flat rein, w't per doz. about 34 lbs.....per dozen **AJFJ** $17.00



XC Plate Trimmed, Harness Leather Sensible Blinds, Flat Winker Stays, Short Flat Reins.

No. 116—1 in., w't per doz. about 31 lbs., per dozen .....**ADDJ** $21.30

No. 117—1¼ in., w't per doz. about 37 lbs.....per dozen **AEIJ** $24.00



XC Plate Trimmed, Russet Leather Sensible Blinds and Fronts, Flat Winker Stays, Short Flat Reins.

No. 0116—1 in., w't per doz. about 31 lbs., per dozen .....**ADHJ** $23.00

No. 0117—1¼ in., w't per doz. about 37 lbs.....per dozen **AEGJ** $26.00

TEAM BRIDLES.



No. 118—Japan trimmed, 1¼ in. harness leather front with drop, felt lined crown, short flat rein, w't per doz. 36 lbs....per dozen **ABHJ** $20.50
Made especially for southern trade.



Japanned Trimmed.

No. 125—1¼ in., harness leather sensible blinds, flat winker stays, ⅞ in. harness leather front with drop, felt lined crown, spotted face piece with ring, short flat rein, w't per doz. about 40 lbs., per dozen **ADBJ** $23.00



No. 134—1¼ in. cheeks, with japanned buckles and brass Hib-Spe-Bar Novelty spaced loops, harness leather sensible blinds with spots, round "T" winker stays, 1 in. double and stitched brass spotted fronts, plain brass spotted face pieces, ⅞ in. short flat rein, w't per doz. about 39 lbs., per dozen .....**BAFJ** $32.00



No. 135—1¼ in. cheeks with Japan buckles and brass Hib-Spe-Bar Novelty spaced loops, brass spotted harness leather sensible blinds, round "T" winker stays, 1 in. brass spotted double and stitched fronts, brass spotted and ring face piece, 1 in. short flat reins, w't per doz. about 43 lbs.....per dozen **BCFJ** $26.50



No. 137—1¼ in. cheeks, with brass buckles and brass Hib-Spe-Bar Novelty spaced loops, brass spotted harness leather sensible blinds, round "T" winker stays, 1 in. double and stitched brass spotted fronts, brass spotted star and circle ring face piece, ⅞ in. long flat gag rein, w't per doz. about 48 lbs.,
per dozen .....**CJFJ** $50.00



XC Plate Trimmed.

No. 124—¾ in. cheeks, harness leather sensible blinds, round reins and winker stays, w't per doz. about 35 lbs.....per dozen **BGCJ** $41.80



XC Plate Trimmed.

No. 128—¾ in. short cheek with bit straps, harness leather sensible blinds, spotted nose band, lined and stitched spotted front, round reins and winker stays, w't per doz. about 35 lbs., per dozen .....**CABJ** $49.00



XC Plate Trimmed.

No. 129—⅞ in. short cheek with bit strap, ring crown, harness leather sensible blinds, spotted nose band, lined and stitched spotted front, round rein and winker stays, w't per doz. about 35 lbs..per dozen **BGHJ** $50.50

BRIDLES, WINKERS, SPREAD STRAPS, ETC.

BLIND BRIDLES.



Harness Leather Blinds, Short Cheeks with Bit Straps, Spotted Nose Band, Lined and Stitched Spotted Front, Round Reins and Winker Stays.

No. 147—¾ in., XC plate trimmed, sensible blinds, w't per doz. about 37 lbs., per dozen ..... **CBAJ** $49.00

No. 148—¾ in., XC plate trimmed, sensible blinds, w't per doz. about 40 lbs., per dozen ..... **CBAJ** $51.30

TEAM BRIDLE ROUNDS.



No Buckles.

No. 60—¾ in. billets, japanned ring sewed in, less centers, per single dozen ..... **CAJ** $4.50



Nos. 64 and 65.

With Buckles.

No. 62—¾ in. XC plate loop roller buckle, ring sewed in, less centers, per single dozen ..... **CDJ** $5.00

No. 63—¾ in. japanned loop roller buckles, ring sewed in, less centers, per single dozen ..... **CDJ** $5.00

No. 64—¾ in. XC plate roller buckles, ring sewed in, less centers, per single dozen ..... **CFJ** $5.20

No. 65—¾ in. japanned roller buckles, ring sewed in, less centers, per single dozen ..... **CFJ** $5.20

BRIDLE ROUNDS.



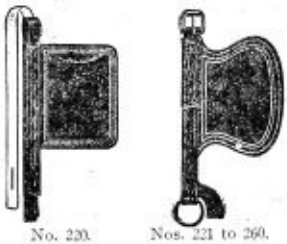
Nos. 170 to 174.

No. 170—⅝ in., imitation rubber buckles, per dozen pairs **JFIJ** $10.00

No. 171—⅝ in., nickel on composition wire or swedge buckles, per dozen pairs ..... **JFIJ** $10.00

No. 174—¾ in., nickel on composition, wire or swedge buckles, per dozen pairs ..... **JGEJ** $11.80

CHEEKED WINKERS.



No. 220. Nos. 221 to 260.

No. 220—Buggy, no buckles, ⅝ in. box loop cheeks, round cornered patent leather blinds, three row stitched, w't per doz. prs. 12 lbs., per dozen pairs ..... **JHGJ** $14.00

No. 221—Buggy, with buckles, ⅝ in. imitation rubber wire buckles, w't per doz. prs. 13 lbs., otherwise same as No. 220, per doz. prs. **JICJ** $15.00

No. 222—Buggy, with buckles, ⅝ in. nickel on composition, wire buckles, otherwise same as No. 220, per dozen pairs ..... **JICJ** $15.00

ONE-HALF DOZEN PAIRS IN A BOX.

Express or Team, Japanned Roller Buckles and Rings.

No. 260—¾ in., short box loop cheeks, harness leather sensible blinds, three row stitched, w't per doz. prs. 15 lbs., per dozen pairs ..... **AADJ** $18.00

ONE-HALF DOZEN PAIRS IN A BOX.

BRIDLE REINS.



Buggy.

No. 150—Imitation rubber, ⅝ in. billets and centers ..per dozen **AJBJ** $16.00

Team.

No. 160—XC plate roller buckles, ¾ in. billets and centers, per dozen ..... **AJHJ** $16.80

No. 165—Japanned roller buckles, ¾ in. billets and centers, per dozen ..... **AJHJ** $16.80

ROUND WINKER BRACES.



No. 5—Buggy, ⅝ in., smooth finish billet .....per dozen **BFE** $4.30

No. 6—Team, ¾ in., creased edge billet, per dozen ..... **BIJ** $4.30

BUGGY AND TEAM BRIDLE CROWNS.



No. 16—Team, ¾ in. cheek, ⅝ in. throat latch billets, japanned buckles, per dozen ..... **CBJ** $5.00

No. 17—Team, ⅞ in. cheek, ⅝ in. throat latch billets, japanned buckles per dozen ..... **CFJ** $5.70

No. 25—Buggy, ⅝ in. cheek, ½ in. throat latch billets with layer and overcheek loops, imitation rubber buckles, smooth finish, per dozen **CCE** $5.30

SPREAD STRAPS.



No. 572.....per card **CCJ** $5.50

Card consists of ½ dozen ⅝-inch white rawhide straps with four 1-inch ivy inlaid rings and one 1⅛-inch ring. Fancy celluloid slide loops.

THROAT LATCHES.



No. 116.

No. 125—Buggy, ½ in. imitation rubber buckles.....per dozen **AHE** $2.10

No. 116—Team, ⅝ in., XC plate, per dozen ..... **AHE** $2.10

OVER CHECKS, SPREAD STRAPS, ETC.

OVERCHECKS.



No. 103—Imitation rubber, ¾ in. back, ½ in. split, 3 buckles, smooth finish, per dozen ..... JGBJ $10.70

No. 104—Nickel, ¾ in. back, ½ in. split, 3 buckles, smooth finish, per dozen ..... JGBJ $10.70



No. 106—Imitation rubber, ¾ in. back, ½ in. split, 3 buckles, nose band, round edge finish, per dozen ..... JHCJ $12.50

No. 107—Nickel, ¾ in. back, ½ in. split, 3 buckles, nose band, round edge finish....per dozen JHCJ $12.50



No. 111—Imitation rubber, ¾ in. back, ½ in. split, 5 buckles, nose band, round edge finish, per dozen ..... AJJJ $15.50

TEAM SPREAD STRAPS.



No. 552—⅝ in., XC plate buckle, and national rings..per dozen ABE $2.00
No. 553—¾ in., XC plate buckles and national rings..per dozen ADE $2.30



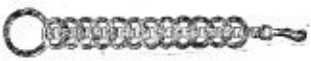
No. 560—Four national rings, assorted red, white and blue, brass slide loops, length 15 in.....per dozen CBJ $4.50



No. 562—Four brass national rings, brass slide loops, length 13½ in., per dozen ..... EAJ $7.70



No. 540—Four brass disc ornaments, graduated from 1¼ in. to 2 in., brass slide loops, length 14 in., per dozen ..... EDJ $9.00



No. 565—Thirteen national rings, assorted red, white and blue, brass slide loops, length 15 in., per dozen ..... JFJJ $10.00



No. 570—Five terraloid rings, assorted red, white and blue, brass slide loops and brass band covering straps, full length 16 in..per dozen JFIJ $11.50



No. 575—⅝ in. russet leather strap 8 in. long, with white celluloid rings, slide loops and red, white and blue celluloid spots.....per dozen DCJ $7.50



No. 580—⅝ in. red enameled strap 8 in. long, with white celluloid ring, slide loops and dees, per dozen DFJ $9.20

TEAM SPREAD STRAPS.



No. 590—⅝ in. red enameled leather strap 12 in. long, with white celluloid ring, slide loops and dees, average w't per doz. 3 lbs., per dozen ..... JGBJ $12.00

BUGGY SPREAD STRAPS.



No. 550—½ in., nickel trimmed, with white doronoid rings, w't per single doz. . lb., per single doz. AEJ $2.50

No. 551—½ in., imitation rubber trimmed, with white doronoid rings, w't per single doz. ½ lb., per single dozen ..... AEJ $2.50

FACE PIECES.



No. 50—Single leather billet and fork, white zylonite ring, brass spots, per dozen ..... EAJ $0.90

HIP DROPS.



No. 35—3¼x9 in., patent leather face, with brass heart ornament and spots, harness leather back, per dozen ..... JFJJ $10.00

LINES.

SINGLE BUGGY.



Black Leather to Loop in Bit, 13 Feet Long.

No. 10—⅞ in. fronts, ⅞ in. hand parts, w't per doz. prs. 18 lbs. .....per dozen pairs **BJDJ** $32.70

No. 11—1 in. fronts, 1 in. hand parts, w't per doz. pairs 21 lbs.....per dozen pairs **BADE** $39.00

Black Front Parts, Russet Hand Parts, 13 Feet Long, Japanned Buckles.

No. 14—⅞ in. fronts, ⅞ in. hand parts, w't per doz. prs. 18 lbs. .....per dozen pairs **BBAJ** $34.00

No. 15—⅞ in. front parts, 1 in. hand parts, w't per doz. prs. 21 lbs. .....per dozen pairs **BDHJ** $38.50

No. 16—1 in. front parts, 1 in. hand parts, w't per doz. prs. 24 lbs. .....per dozen pairs **BHBJ** $44.50

Black Leather Buckle and Billet, 13 Feet Long.

No. 18—Nickel buckles, 1 in. front parts, 1 in. hand parts, w't per doz. prs. 27 lbs., per dozen pairs **BADE** $39.00

No. 20—Imitation rubber buckles, 1 in. front parts, 1 in. hand parts, w't per doz. prs. 27 lbs., per dozen pairs .....**BADE** $39.00

Black Leather Spring Billets, 13½ Feet Long, ⅞ Inch Fronts, 1⅛ Inch Hand Parts.

No. 25—Nickel trimmed, w't per doz. prs. 24 lbs., per dozen pairs .....**BIDJ** $42.00

No. 26—Imitation rubber trimmed, w't per doz. prs. 24 lbs., per dozen pairs .....**BFDJ** $42.00

Black Leather Spring Billets, 13½ Feet Long, 1 Inch Fronts, 1⅛ Inch Hand Parts.

No. 35—Nickel trimmed, w't per doz. prs. 27 lbs., per dozen pairs .....**BHHJ** $45.30

No. 36—Imitation rubber trimmed, w't per doz. prs. 27 lbs., per dozen pairs .....**BHHJ** $45.30

1 Inch Black Leather Fronts, Spring Billets; 1⅛ Inch Russet Hand Parts, 13½ Feet Long.

No. 38—Nickel trimmed, w't per doz. prs. 27 lbs., per dozen pairs .....**BHHJ** $47.00

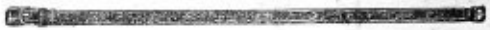
No. 39—Imitation rubber trimmed, w't per doz. prs. 27 lbs., per dozen pairs .....**BHHJ** $47.00

⅞ Inch Black Leather Fronts, Spring Billets, 1⅛ Inch Russet Leather Hand Parts, 13½ Feet Lang.

No. 28—Nickel trimmed, w't per doz. prs. 24 lbs., per dozen pairs .....**BFDJ** $43.50

No. 29—Imitation rubber trimmed, w't per doz. prs. 24 lbs., per dozen pairs .....**BFDJ** $43.50

SINGLE EXPRESS.



Japanned Trimmed, 13 Feet Long.

No. 70—1 in. black leather, w't per doz. prs. 25 lbs., per dozen pairs .....**BCAJ** $42.00

No. 71—1⅛ in. black leather, w't per doz. prs. 25 lbs., per dozen pairs .....**BGIJ** $45.20

DOUBLE BUGGY.



Black Leather Buckle and Billet.

No. 110—Nickel trimmed, 14½ ft. long, 1 in. front parts, 1⅛ in. hand parts, w't per doz. sets 45 lbs., per dozen sets .....**DHJJ** $76.00

No. 111—Imitation rubber trimmed, 14½ ft. long, 1 in. front parts, 1⅛ in. hand parts, w't per doz. sets 45 lbs., per dozen sets .....**DHJJ** $76.00

DOUBLE TEAM.



Black Leather, XC Plate Trimmed, Bolt Snaps Sewed In.

Nos.	200	201	202	203
Width, in.	⅞	1	1⅛	1¼
Length, ft.	14	14	14	14
W't per doz. prs., lbs.	36	42	48	51
Per dozen pairs	$49.50	53.30	57.50	62.70
	BGBE	**CBFJ**	**CEGJ**	**CHHJ**

Nos.	204	205	206	207
Width, in.	⅞	1	1⅛	1¼
Length, ft.	16	16	16	16
W't per doz. prs., lbs.	39	45	51	57
Per dozen pairs	$51.00	58.00	62.00	68.50
	CAEJ	**CEJJ**	**CHDJ**	**DBJJ**

Nos.	209	210	211
Width, in.	1	1⅛	1¼
Length, ft.	18	18	18
W't per doz. prs., lbs.	48	54	63
Per dozen pairs	$65.00	70.00	75.50
	CIEJ	**DCAJ**	**DFFJ**

TEAM LINES AND BREAST STRAPS.

TEAM LINES.



XC Plate Buckles and Snaps.

Nos.	265	266	269	270
Width, in.	1	1⅛	1	1⅛
Length, ft.	16	16	18	18
W't per doz. sets, lbs.	46½	53	50	56
Per dozen sets	$59.80	64.00	67.20	73.50
	CHEJ	DADJ	DJHJ	DDHJ



XC Plate Trimmed, No. 1880 Buckles and German Snaps.

Nos.	217	218	219
Width, in.	1	1⅛	1¼
Length, ft.	18	18	18
W't per doz. sets, lbs.	51	57	64
Per dozen sets	$64.00	69.30	74.60
	DJHJ	DEGJ	DHFJ

Nos.	221	222	223
Width, in.	1	1⅛	1¼
Length, ft.	20	20	20
W't per doz. sets, lbs.	57	62	69
Per dozen sets	$71.40	77.70	84.00
	DDGJ	DHFJ	EAFJ



XC Plate Trimmed, Machine Sewed.

Nos.	225	226	229	230	231
Width, in.	1	1¼	1	1⅛	1¼
Length, in.	18	18	20	20	20
W't per doz. sets, lbs.	51	56	55	60	67
Per dozen sets	$71.40	77.20	83.00	89.30	96.10
	DGAJ	EBJJ	EAFJ	EFHJ	FBDJ

Nos.	237	238	241	242	243
Width, in.	1	1⅛	1	1⅛	1¼
Length, ft.	18	18	20	20	20
W't per doz. sets, lbs.	51	57	57	66	73
Per dozen sets	$78.00	95.00	87.20	94.00	101.80
	EJJJ	EEEJ	EDFJ	FJCJ	JFFJJ

BREAST STRAPS.



No. 203.



No. 205.

No. 203—1½ in., two ply leather, XC plate buckle snaps, japanned slides, w't per doz. prs. 38 lbs., per dozen pairs ..... JIIJ $18.00
No. 205—1½ in., 4½ ft., XC plate buckles, twin loops, w't per doz. prs. 18 1 lbs ..... per dozen pairs ACIJ $22.00



Nos. 206 to 209.



Nos. 211 and 212.

XC Trimmed, 4½ Feet Long, Sewed.

No. 206—1¼ in., w't per doz. prs. 18 lbs., per dozen pairs ..... ADGJ $23.00
No. 207—1⅜ in., w't per doz. prs. 22 lbs., per dozen pairs ..... AFCJ 25.50
No. 208—1¼ in., w't per doz. prs. 26 lbs., per dozen pairs ..... AHDJ 29.50
No. 209—2 in., w't per doz. prs. 28 lbs., per dozen pairs ..... BJGJ 34.00

XC Plate Trimmed, 4½ Feet Long, Sewed, with Flat Spring and Roller Snaps.

No. 211—1½ in., w't per doz. prs. 46 lbs., per dozen pairs ..... ACHJ $33.00
No. 212—1¾ in., w't per doz. prs. 52 lbs., per dozen pairs ..... BGDJ 37.50



Japanned Trimmed, Extra Heavy, 5 Feet Long, Sewed.

No. 214—1½ in., w't per doz. prs. 26 lbs., per dozen pairs ..... BJDJ $32.00
No. 215—1¾ in., w't per doz. prs. 30 lbs., per dozen pairs ..... BCBJ $37.00
No. 216—2 in., w't per doz. prs. 34 lbs., per dozen pairs ..... BDGE $45.00

ONE-QUARTER DOZEN PAIRS IN A BUNDLE.

BREAST STRAPS, POLE STRAPS AND MARTINGALES.

EXTENSION BREAST STRAPS.



Japanned Trimmed, Extra Heavy, 28 Inches Long, Sewed.

No. 225—1½ in., w't per doz. prs. 12 lbs., per dozen pairs .....**JHJJ** $14.50

No. 226—1¾ in., w't per doz. prs. 14 lbs., per dozen pairs .....**JIAJ** $16.50

NECK YOKE STRAPS.



Length 3½ Feet, with Twin Loop.

No. 502—1¼ in., japanned trimmed, w't per doz. prs. 14 lbs., per dozen pairs .....**JHEJ** $15.00

No. 503—1½ in., japanned trimmed, w't per doz. prs. 17 lbs., per dozen pairs .....**AAAJ** $17.20



Length 3½ Feet, Sewed.

No. 504—1¾ in., XC trimmed, w't per doz. prs. 13½ lbs., per dozen pairs .....**AJBJ** $18.50

No. 505—1½ in., XC trimmed, w't per doz. prs. 17 lbs., per dozen pairs .....**ABEJ** $21.50

No. 509—1½ in., nickel trimmed, w't per doz. prs. 17 lbs., per dozen pairs .....**ADJJ** $22.00

No. 511—1½ in., imitation rubber trimmed, w't per doz. prs. 17 lbs., per dozen pairs .....**ADJJ** $22.00

ONE-QUARTER DOZEN PAIRS IN A BUNDLE.

COLLAR STRAPS.



No. 398—⅞ in., 1 in. ring, riveted, w't per doz. prs. 4 lbs., per dozen pairs .....**CBJ** $5.80

No. 400—⅞ in., no rings, sewed, w't per doz. prs. 4 lbs., per dozen pairs .....**DBJ** $6.60

No. 401—⅞ in., 1 in. ring, w't per doz. prs. 4¼ lbs., per doz. prs. **DEE** $7.20

No. 402—⅞ in., 2 in. ring, w't per doz. prs. 5 lbs., per doz. pairs **DHJ** $7.60

ONE-HALF DOZEN PAIRS IN A BUNDLE.

POLE STRAPS.



No. 302—1½ in., XC plate trimmed, reverse buckle, cut 4½ ft. long, ring in loop, w't per doz. prs. 17 lbs., per dozen pairs .....**AAIE** $20.00



No. 305—1½ in., XC plate trimmed, cut 4½ ft. long, sewed, w't per doz. prs. 18 lbs. ..per dozen pairs **ACBJ** $24.00



XC Plate Trimmed, Cut 4½ Feet Long, Ring in Loop and Loose Ring, Sewed.

No. 309—1½ in., w't per doz. prs. 20 lbs., per dozen pairs .....**ACGE** $25.00

No. 310—1¾ in., w't per doz. prs. 24 lbs., per dozen pairs .....**AGCJ** $28.90

No. 311—2 in., w't per doz. prs. 26 lbs., per dozen pairs .....**AHDE** $33.50

ONE-QUARTER DOZEN PAIRS IN A BUNDLE.

POLE STRAPS.



XC Plate Trimmed, Cut 4½ Feet Long, with Safe Ring in Loop and Loose Ring, Sewed.

No. 312—1½ in., w't per doz. prs. 24 lbs., per dozen pairs .....**AEGJ** $25.30

No. 315—1¾ in., w't per doz. prs. 26 lbs., per dozen pairs .....**AHAE** $33.00

Japanned Trimmed, Cut 4 Feet 10 Inches Long, with Safe Ring in Loop and Loose Ring, Extra Heavy, Sewed.

No. 323—2 in., w't per doz. prs. 36 lbs., per dozen pairs .....**BBEE** $41.00

TEAM MARTINGALES.



Japanned Trimmed, Pole Strap Cut 4½ Feet Long, Ring in Loop, 1 Inch Collar Strap, Sewed.

No. 352—1½ in., w't per doz. prs. 21 lbs., per dozen pairs .....**AGJE** $31.00

No. 353—1¾ in., w't per doz. prs. 24 lbs., per dozen pairs .....**AIBE** $34.00



No. 356—1½ in., double and stitched body with ring and safe, 1½ in. collar strap, 1¼ in. billet, w't per doz. prs. 48 lbs., per dozen pairs **CEGE** $65.00

DRIVING MARTINGALES.



Genuine Rubber Rings.

No. 500—⅝ in., split, smooth round edge finish .....per dozen **JFIJ** $11.20

ONE-QUARTER DOZEN PAIRS IN A BUNDLE.

HAME STRAPS, BELLY BANDS, CHAIN PIPING, ETC.

TEAM HAME STRAPS.



20 Inches Long, Made Up, Patent Loop, Japanned Trimmed.

Nos.	445	446	447	448
Width, in...	¾	⅞	1	1⅛
W't per doz., lbs.	1½	1¾	2	2½
Per dozen	$1.40	1.70	2.00	2.30
	AJJ	ABJ	ADJ	AGJ

Made especially for Southern trade.

20 Inches Long, Made Up, Patent Loop, Japanned Trimmed.

Nos.	450	451	452	453
Width, in...	¾	⅞	1	1⅛
W't per doz., lbs.	1¼	2	2½	3
Per dozen	$1.60	1.90	2.20	2.50
	AAJ	ABE	ADE	AGJ



21 Inches Long, Made Up, Japanned Trimmed, Sewed.

Nos.	454	455	456
Width, in.	¾	⅞	1
W't per doz., lbs.	2	2¼	2½
Per dozen	$2.20	2.60	3.00
	AEJ	AGJ	AIJ

Nos.	457	458
Width, in.	1⅛	1¼
W't per doz., lbs.	3	3½
Per dozen	$3.50	4.00
	BBJ	BEJ

24 Inches Long, Made Up, Japanned Trimmed, Sewed.

Nos.	460	461	462	463
Width, in.	⅞	1	1⅛	1¼
W't per doz., lbs.	2¼	2¾	3½	4
Per dozen	$2.90	3.40	4.00	4.60
	AIJ	BBJ	BGJ	BIE

30 Inches Long, Made Up, Japanned Trimmed, Sewed.

Nos.	464	465	467
Width, in.	⅞	1	1¼
W't per doz., lbs.	3	3¾	4½
Per dozen	$3.60	4.20	4.80
	BBJ	BFJ	CJJ

Double and Stitched Rawhide. Length 22 Inches, Made Up, Machine Sewed, Japanned Trimmed.

No. 477—1 in., w't per doz. 3 lbs., per dozen ..... BDJ $4.00

BUGGY HAME STRAPS.



20 Inches Made Up, Sewed, Nickel Trimmed.

No. 468—⅝ in., w't per doz. 1 lb., per dozen ..... ADJ $2.30
No. 469—¾ in., w't per doz. 1¼ lbs., per dozen ..... AFJ $2.70

20 Inches Made Up, Sewed, Imitation Rubber Trimmed.

No. 470—⅝ in., w't per doz. 1 lb., per dozen ..... ADJ $2.30
No. 471—¾ in., w't per doz. 1¼ lbs., per dozen ..... AFJ $2.70

KNOTTED HAME STRINGS.



36 Inches Long, Knotted Rawhide Ends.

No. 482—¾ in., w't per doz. 2½ lbs., per dozen ..... AAE $1.90
No. 483—⅞ in., w't per doz. 3¼ lbs., per dozen ..... ADJ $2.30

CHAIN PIPING.



Harness Leather Bound Ends.

Nos.	130	136	142
Length, in.	30	36	42
W't per pair, lbs.	1¼	2	2¼
Per pair	$1.80	2.20	2.50
	AAJ	ADJ	AEJ

PLOW BELLY BANDS.



Single Leather, Sewed and Riveted, Japanned Roller Buckles.

Nos.	12	14	16
Width, in.	1¼	1½	1¾
W't, doz., lbs.	7	9	11
Per dozen	$7.70	9.20	10.30
	DFJ	EEJ	JFBJ

BUGGY BELLY BANDS.



Inside Folded with Layer, Outside Single Strap to Slide, ⅞ Inch Buckles.

No. 278—Imitation rubber buckles, per dozen ..... AJHJ 18.00



No. 27—Folded, one row of stitching, ⅞ in. imitation rubber buckles, per dozen ..... JFAJ $10.20
No. 37—Folded with layer, two rows of stitching, imitation rubber buckles, per dozen ..... JFIJ $11.50

TEAM BELLY BANDS.



Nos. 54 and 64.

No. 51—Folded, one row stitching, 1¼ in. japanned roller buckles, per dozen ..... JFEJ $10.80
No. 52—Folded, one row stitching, 1¼ in. XC plate roller buckles, per dozen ..... JFEJ $10.80
No. 54—Folded with layer, two rows stitching, 1½ in. japanned roller buckles, w't per doz. 14 lbs., per dozen ..... JFHE $11.40
No. 64—Folded with layer, two rows stitching, 1½ in. XC plate roller buckles, w't per doz. 14 lbs., per dozen ..... JFHE $11.40

BUGGY SHAFT TUGS.



Nos. 28 and 38. Nos. 78 and 88.

Double and Stitched Box Loops, Wire Buckles.

No. 28—1 in., XC plate, per pair ..... EJ $0.80
No. 38—1 in., japanned, per pair ..... EJ .80

Double and Stitched Box Loop, Raised Inside, Wire Buckles.

No. 78—1 in., nickel, per pair ..... JFJ $1.00
No. 88—1 in., imitation rubber, per pair ..... JFJ 1.00



Double and Stitched, Box Loops, with Dees and Billets, Wire Buckles.

No. 158—1 in., japanned, per pair ..... JGJ $1.30
No. 168—1 in., nickel, per pair ..... JHJ 1.30
No. 178—1 in., imitation rubber, per pair ..... JHJ 1.30

EXPRESS SHAFT TUGS.



Double and Stitched Box Loops, with Dees and Billets, Sensible Buckles.

No. 322—1¼ in. solid brass buckles, 4½ in. billets.....per pair ABJ $1.70
No. 314—1½ in. japanned buckles, 1¼ in. billets ....per pair ABJ $1.80

SHAFT AND HAME TUGS.

EXPRESS SHAFT TUGS.



Double Stitched with Dees and Billets, Center Bar Swedge Buckles.

No. 362—1¼ in. solid brass buckles, 1½ in. billets.....per pair **ADJ** $2.30
No. 364—1½ in. solid brass buckles, 1¼ in. billets....per pair **AFJ** $2.70

BUGGY HAME TUGS.



Box Loop, Wire Buckles, Harness Leather Ends.

No. 2—1⅛ in., XC plate, per pair .....**JHE** $1.20
No. 3—1¼ in., XC plate, per pair .....**JIE** 1.50
No. 4—1⅜ in., japanned, per pair .....**JHE** 1.20
No. 5—1¼ in., japanned, per pair .....**JIE** 1.50



Box Loop, Wire Buckles, with Safe, Harness Leather Ends.

No. 8—1⅛ in., imitation rubber, per pair .....**ADJ** $1.60
No. 9—1¼ in., imitation rubber, per pair .....**AGJ** 1.90

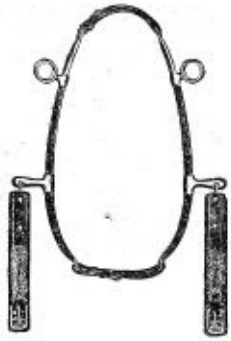
HAMES AND HAME TUGS.



Box Loop Hame Tugs, Wire Buckles, Harness Leather Ends, with Hame Straps.

No. 11—1⅛ in., XC hame tugs, full XC plate, 3½ lb. hames, per pair .....**ADJ** $2.30
No. 12—1¼ in., XC hame tugs, full XC plate, 3½ lb. hames, per pair .....**AEE** $2.60
No. 14—1⅛ in. japanned hame tugs, full japanned, 3½ lb. hames, per pair .....**ADJ** $2.30
No. 15—1¼ in. japanned hame tugs, full japanned, 3½ lb. hames, per pair .....**AEE** $2.60
Be sure to give size of hame desired.

BUGGY HAMES AND HAME TUGS.



Box Loop Hame Tugs, Wire Buckles with Safe, Harness Leather Ends, with Hame Strap.

No. 20—1⅛ in. imitation rubber hame tugs, full imitation rubber 3½ lb. hames.....per pair **BDJ** $3.50
No. 21—1¼ in. imitation rubber hame tugs, full imitation rubber 3½ lb. hames .....per pair **BEJ** $3.80

EXPRESS HAMES AND HAME TUGS.



No. 45.

No. 41—1¼ in. brass wire box loop hame tugs, japanned body brass terret and draft eye, 4 lb. hames, per pair .....**CDJ** $5.30
No. 45—1½ in. brass champion trace buckle box loop hame tug, painted red, brass ball top hames, per pair .....**CAJ** $4.90

SHORT HAME TUGS.



Folded Harness Leather with Layer, Narrow Loops, Champion Trace Buckles.

No. 204—1½ in., XC plate buckles, w't per set 3 lbs.....per set **BJE** $3.70
No. 206—1¾ in., XC plate buckles, w't per set 3½ lbs....per set **BDE** $4.40
For team harness with clip hames.

SHORT HAME TUGS.



Solid Leather, Inserted Chape, Box Loops, Champion Trace Buckles.

No. 212—1½ in., japanned buckles, w't per set 2½ lbs. ....per set **CJJ** $4.80
No. 213—1¾ in., XC plate buckles, w't per set 2½ lbs. ....per set **CJJ** $4.80
For light double wagon and express harness with clip hames.

Solid Leather, Inserted Chape, Box Loops, Champion Trace Buckles.

No. 221—1½ in., XC plate buckles, w't per set 3½ lbs....per set **CIJ** $7.10
For light double wagon and express harness with bolt hames.

LONG HAME TUGS.

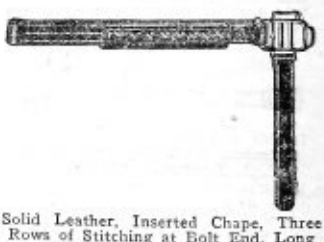


Solid Leather, Inserted Chape, Three Rows of Stitching at Bolt End, Narrow Loops, with Belly Band Billets, Champion Trace Buckles.

No. 274—1½ in., XC plate buckles, 1¼ in. billets, w't per set 5¼ lbs., per set .....**DHJ** $7.90
For team harness with bolt hames.

Folded Harness Leather with Layer, Narrow Loops, with Belly Band Billets, Champion Trace Buckles.

No. 254—1½ in., XC plate buckles, 1¼ in. billets, w't per set 5½ lbs., per set .....**CFJ** $6.40
For team harness with clip hames.



Solid Leather, Inserted Chape, Three Rows of Stitching at Bolt End, Long Laced Box Loops, with Belly Band Billets, Champion Trace Buckles.

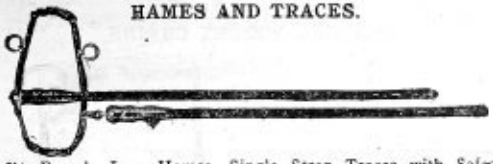
No. 284—1½ in., XC plate buckles, 1¼ in. billets, w't per set 6 lbs., per set .....**EDJ** $8.20
No. 286—1¾ in., XC plate buckles, 1½ in. billets, w't per set 6¼ lbs., per set .....**EIJ** $9.30
For team harness with bolt hames.

Folded Harness Leather with Layer, Long Laced Box Loops, with Belly Band Billets, Champion Trace Buckles.

No. 264—1½ in., XC buckles, 1¼ in. billets, w't per set 5½ lbs., per set .....**CHJ** $6.90
For team harness with clip hames.

HAMES, TRACES AND BREAST COLLARS.

HAMES AND TRACES.



3½ Pounds Iron Hames, Single Strap Traces with Safes, Creased Edges.

No. 65—XC plate hames, 1⅛ in. traces, 6 ft. 4 in. long, w't per pair 3½ lbs. .....per pair **BEJ** $3.90
No. 67—Japanned hames, otherwise same as No. 65, per pair .....**BEJ** 3.90
No. 66—XC plate hames, 1¼ in. traces, 6 ft. 4 in. long, w't per pair 6 lbs.....per pair **BDE** $4.30
No. 68—Japanned hames, otherwise same as No. 66, per pair .....**BHJ** 4.30

3½ Pound Iron Hames, Single Strap Traces with Safes, Smooth Round Edges.

No. 70—Nickel trimmed hames, 1¼ in. traces, 6 ft. 4 in. long, w't per pair 6 lbs.....per pair **CJJ** $5.30
No. 72—Full imitation rubber hames, otherwise same as No. 70.....per pair **CJJ** $5.60

TEAM TRACES.



Double and Stitched, Clip Cockeye.

No. 76—1½ in. wide, 6 ft. long, w't per set 8½ lbs., per set .....**JFDJ** $10.00
No. 78—1½ in. wide, 6½ ft long, w't per set 10½ lbs., per set .....**JFGJ** 11.10



Nos. 80 to 85.

Double and Stitched, Triangular Cockeye Sewed In.

No. 80—1¼ in. wide, 6 ft. long, w't per set 6¼ lbs., per set .....**JFBJ** $10.70
No. 81—1½ in. wide, 6 ft. long, w't per set 8¼ lbs., per set .....**JGAJ** 12.30
No. 82—1¾ in. wide, 6 ft. long, w't per set 10¼ lbs., per set .....**JHAJ** 14.00
No. 83—1½ in. wide, 6½ ft. long, w't per set 8¾ lbs., per set .....**JGGE** 12.90
No. 85—1½ in. wide, 6½ ft. long, w't per set 9½ lbs., per set .....**JGIJ** 13.70

Raised, Double and Stitched, Triangular Cockeyes Sewed In.

No. 95—1½ in. wide, 6½ ft. long, w't per set 8¼ lbs., per set .....**JFFJ** $11.40
No. 96—1⅝ in. wide, 6½ ft. long, w't per set 9¼ lbs., per set .....**JGDE** 12.90
No. 97—1¾ in. wide, 6½ ft. long, w't per set 10½ lbs., per set .....**JHBJ** 14.30



Concord, Single Strap, Screw Cockeye.

No. 103—1½ in. wide, 6 ft. long, double and stitched point, 2½ in. single strap body, w't per set 9 lbs., per set .....**JGIE** $13.70
No. 104—1¾ in. wide, 6 ft. long, double and stitched point, 2¼ in. single strap body, w't per set 10½ lbs., per set .....**JHEE** $14.80

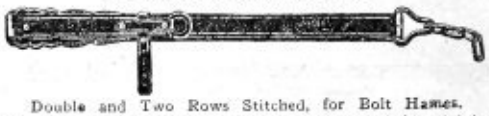
LUMBER TRACES.



Double and Three Rows Stitched, with Pinery Hook and Dee.

No. 136—2¼ in. wide, 4 ft. 8 in. long, 1½ in. belly band billet, w't per set 17 lbs. .....per set **AADJ** $20.70
No. 137—2¼ in. wide, 4 ft. 8 in. long, 1¾ in. belly band billet, w't per set 19 lbs. .....per set **ACJE** $23.70

DOUBLE TRUCK TRACES.



Double and Two Rows Stitched, for Bolt Hames.

No. 115—1½ in. wide, 6 ft. long, 12 in. heel chains, 1½ in. belly band billets, w't per set 14 lbs., per set **ABCJ** $20.50
No. 116—1½ in. wide, 6 ft. long, 12 in. heel chain, 1½ in. belly band billet, w't per set 17¼ lbs., per set **ACJJ** $22.50



Double and Three Rows Stitched, for Bolt Hames.

No. 117—2 in. wide, 6 ft. long, 12 in. heel chain, 1½ in. belly band billets, w't per set 19 lbs., per set **AFGJ** $25.30

BUGGY TRACES.



Flat.

No. 8—1¼ in. wide, 6 ft. 4 in. long, w't per set 5 lbs., per set .....**DFJ** $7.00

Raised, Round Edge.

No. 15—1½ in. wide, 6½ ft. long, w't per set 4½ lbs., per set .....**DHJ** 7.30
No. 16—1½ in. wide, 6½ ft. long, w't per set 5½ lbs., per set .....**EDJ** $7.80

EXPRESS BREAST COLLARS.



No. 82—1½ in., brass trimmed, folded, scalloped layer, box loops, double tugs.....each **CCE** $5.60



No. 84—1½ in., brass trimmed, wide fold, with layer, box loops .....each **BIE** $5.20

HITCHING AND HALTER STRAPS, CRUPPER DOCKS, ETC.

HITCHING STRAPS.



7 Feet Long, Patent Loop.

No. 100—⅜ in. wide, w't per doz. 3½ lbs., per doz. **CBJ** $5.20
No. 101—¾ in. wide, w't per doz. 4 lbs., per doz. **CFJ** 5.80
No. 102—⅞ in. wide, w't per doz. 4¾ lbs., per doz. **DCJ** 6.70



7 Feet Long, with Snaps Sewed In.

No. 105—⅝ in. wide, w't per doz. 3½ lbs., per doz. **CBJ** $5.20
No. 106—¾ in. wide, w't per doz. 4¾ lbs., per doz. **CFJ** 5.70
No. 107—⅞ in. wide, w't per doz. 5½ lbs., per doz. **DJJ** 6.30



7 Feet Long, with Buckle and Billets.

No. 110—⅝ in. wide, w't per doz. 3¼ lbs., per doz. **CEJ** $5.60
No. 111—¾ in. wide, w't per doz. 4½ lbs., per doz. **DJJ** $6.40
No. 112—⅞ in. wide, w't per doz. 6 lbs., per doz. **DHJ** 7.50

HALTER STRAPS.



7 Feet Long, German Snap Riveted In.

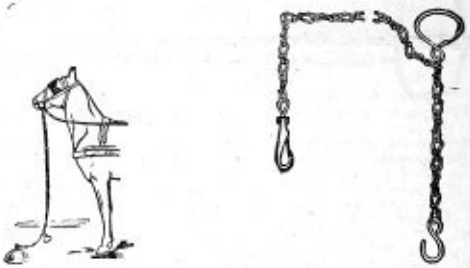
No. 115—⅞ in. wide, w't per doz. 5 lbs., per doz. **DAJ** $7.40
No. 116—1 in. wide, w't per doz. 8¼ lbs., per doz. **DFJ** 8.30
No. 117—1¼ in. wide, w't per doz. 8½ lbs., per doz. **EDJ** 9.80
No. 118—1¼ in. wide, w't per doz. 8¾ lbs., per dozen ..... **JFHE** 11.50



7 Feet Long to Loop.

No. 120—⅞ in. wide, w't per doz. 4¾ lbs., per doz. **DAJ** $7.40
No. 121—1 in. wide, w't per doz. 5½ lbs., per doz. **DFJ** 8.30
No. 122—1¼ in. wide, w't per doz. 7 lbs., per dozen ..... **JFCE** 11.50

HITCHING WEIGHT CHAINS.



No. 1H—Oneida, hot galvanized, rust-proof, length 7 ft., with halter snap and wire handle for lifting weight in and out of wagon, w't per doz. 15 lbs. ..... per dozen **CJJ** $5.50

ONE-HALF DOZEN IN A CARTON.

HITCHING WEIGHTS.



No. 1—Japanned iron, w'ts 12, 15, 20, 25, 30, 35 lbs., per pound ..... **D** $0.06

CRUPPER DOCKS.



Nos. 500 to 515.



No. 540.

No. 500—Light buggy..... per dozen **AEJ** $2.30
No. 505—Medium size buggy..... per dozen **AHE** 2.80
No. 510—Large size buggy..... per dozen **BAE** 3.40
No. 515—Express size..... per dozen **BEJ** 4.00
No. 540—Folded team, ¾ in. XC roller buckle sewed on, per dozen ..... **BBJ** $3.80

CRUPPER FORKS.



No. 10—¾ in. forks, folded cruppers to buckle, japanned, per dozen ..... **EAJ** $8.50

LAZY STRAPS.



36 Inches Made Up. Japanned Roller Buckles.

No. 350—1 in., w't per doz. 3½ lbs., per dozen **CJJ** $5.00
No. 351—1⅛ in., wt per doz. 4½ lbs., per dozen **CDJ** 5.70

BREECHING, HIP AND BACK STRAPS, ETC.

BREECHING SIDE STRAPS.



Buggy, Creased Edge, XC Plate Buckles.

Nos.	399	400	401
Width, in.	¾	⅞	1
Length, ft.	4	4	4
W't, doz. prs., lbs.	7½	8½	10
Per doz. pairs	$10.00	12.00	14.20
	JEHJ	JFIE	JHBJ

Buggy, Plain Round Edge Finish, Imitation Rubber Buckles.

Nos.	411	412	413
Width, in.	¾	⅞	1
Length, ft.	4	4	4
W't, doz. prs., lbs.	8	8½	10
Per doz. pairs	$10.20	12.80	14.80
	JEIJ	JGDJ	JHEE

Express, Creased Edge, Japanned Buckles.

Nos.	420	421	422
Width, in.	¾	1⅛	1½
Length, ft.	4½	4½	4½
W't, doz. prs., lbs.	10	14½	16½
Per doz. pairs	$15.50	19.00	22.70
	JIJJ	AJIE	ACAE

Team, Japanned Roller Buckles.

Nos.	440	441	442
Width, in.	⅞	1	1¼
Length, ft.	5½	5½	5½
W't, doz. prs., lbs.	11	14½	18
Per doz. pairs	$16.80	19.40	23.50
	JIGJ	AABJ	ABIJ

TURN BACKS.



For Wagon or Team Harness, XC Buckles.

No. 612—1 in., with trace carriers on rump, folded crupper buckled on, per pair ..... AHJ $2.70



For Buggy, Imitation Rubber Buckles, Smooth Round Edge Finish.

No. 195—¾ in., plugged for double hip strap, round crupper sewed on, per pair ..... BBE $3.80

HIP AND BACK STRAPS.



For Team Harness, XC Plate Trimmed with Trace Safes.

No. 620—1¼ in. back strap to hame, folded crupper to buckle, loop roller buckle on trace safes, per pair ..... CJE $5.30



Wagon or Plow, XC Plate Trimmed, Back Straps to Hame with Reverse Buckles, Hip Straps with Bolt Snaps with Folded Crupper to Buckle.

No. 604—1¼ in. back strap to hame, 1 in. hip straps with bolt snaps, per set ..... CCJ $4.50

No. 605—1¼ in. back strap to hame, 1¼ in. hip strap with bolt snaps, per set ..... CEJ $5.00

No. 606—2 in. back strap to hame, 1¼ in. hip straps with bolt snaps, per set ..... DJJ $5.70



For Team Harness, XC Plate Trimmed with Trace Safes.

No. 626—1 in. back strap to pad, folded crupper to buckle, 1 in. hip straps, loop roller buckle on trace safes, per set ..... BFJ $4.50

No. 632—Extra heavy, 1 in. back strap to pad, folded crupper to buckle, 1 in. hip straps, roller buckles on trace safes..... per set CBJ $5.50

THIRD BACK STRAPS.



No. 160—⅞ in., with snap sewed in on one end, other end reversed, with snap..... per dozen JGBJ $11.00

DOUBLE BUGGY BREECHING.



Single Strap.

No. 638—Imitation rubber trimmed, 1¼ in. body, ⅞ in. turnback, ⅝ in. double hip straps, 1 in. side straps to reverse, with snaps, per set ..... JPEJ $11.50

No. 637—Nickel trimmed, otherwise same as No. 638, per set JFEJ $11.5[illegible]

DOUBLE SPRING WAGON BREECHING.



Folded Body with Layer, ¾ Inch Double Hip Straps, ⅞ Inch Side Straps, No Turnbacks.

No. 725—Japanned trimmed, per set ..... JFCJ $10.05

No. 726—XC plate trimmed, per set ..... JFCJ 10.6[illegible]

No. 727—Brass trimmed, per set ..... JFCJ 10.5[illegible]

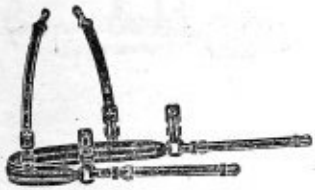
BREECHING.

TEAM.



Japanned Trimmed, Brass Spotted Hip Straps, Brass Buckle Shields, Folded Body with Layer, Bolt Snaps.

No. 320—1 in. double hip straps, 1¼ in. back straps to hames
per set ..... DIE $8.80
No. 321—1⅛ in. double hip straps, 1⅛ in. back straps to hames,
per set ..... ECJ $9.30
No. 322—1⅛ in. double hip straps, 1½ in. back straps to hames,
per set ..... EFJ $9.80



XC Trimmed, Folded Body with 1¼ Inch Layer, 1½ Inch Front Lead-up.

No. 265—⅞ in. snap hip strap, ⅞ in. side strap ..... per set EJJ $7.80
No. 266—1 in. snap hip straps, 1 in. side straps ..... per set DIE $8.40



No. 267—XC trimmed, folded body, 1⅛ in. layer, ⅞ in. double hip straps, ⅞ in. side straps, per set EAJ $8.00



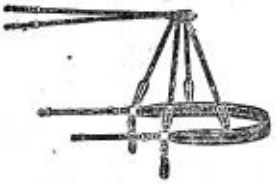
No. 277—XC trimmed, 1¼ in. single strap body, ¾ in. double hip straps, box loop lead-ups, 1 in. side straps, per set ..... DAE $7.50

TEAM.



XC Trimmed, Folded Body, with Layer.

No. 867—⅞ in. double hip straps, 1¼ in. back straps to hames, ⅞ in. side straps, ¾ in. lazy straps,
per set ..... JHAJ $13.1[illegible]



Japanned Trimmed, Folded Body, with Layer.

No. 863—1⅛ in. layer, 1 in. double hip straps, 1 in. double back straps, 1 in. side straps, 1 in. lazy straps,
per set ..... JIDE $16.40

STAGE.



XC Plate Trimmed, Folded Body, with Layer Bolt Snaps.

No. 315—1 in. double hip straps, 1¼ in. back strap to hame,
per set ..... DEJ $6.90

No. 316—1¼ in. hip straps, 1⅜ in. back strap, otherwise same as No. 315,
per set ..... DHJ $7.20

No. 318—1¼ in. double hip straps, 1½ in. back strap to hame,
per set ..... EAJ $7.70

STAGE.



No. 325—XC trimmed, folded body, with 1¼ in. layer, 1¼ in. back strap to hame, Kiernan's trace carrier, wool lined rump safe, 1½ in. scalloped and wool lined hip safes with ring, 1 in. double hip straps, 1½ in. side straps,
per set ..... JGBJ $11.50

BODY AND SIDE STRAP.



XC Trimmed, Folded Body with Layer.

No. 255—1 in. layer, ⅞ in. side straps, for ⅞ in. double hip straps,
per set ..... DCJ $6.50

SHIFTING.



XC Trimmed, Folded Body, with Layer.

No. 250—1 in. layer, ⅞ in. side straps, for ⅞ in. hip straps,
per set ..... DJJ $6.20

No. 252—1 in. layer, ⅞ in. side straps, for 1 in. hip straps,
per set ..... DJJ $6.20

BREECHING, HAME HOUSINGS, HOBBLES, ETC.

CART BREECHING.



Nos. 370 and 372.
XC Trimmed.

No. 370—3 in. body, 1¼ in. layer, 1¼ in. back straps, 1¼ in. kidney strap, 1½ in. hip strap, per set **DEJ** $6.80

No. 372—3½ in. body, 2 in. layer, 1½ in. back strap, 1¼ in. kidney strap, 1¾ in. hip strap, per set **DIJ** $7.50

No. 378—3 in. layer, 1¾ in. back strap, 1½ in. kidney strap, 1½ in. hip strap, per set ..... **JHCJ** $15.10

HIP BREECHING.



Double Spring Wagon or Team Hip.

No. 420—XC trimmed, riveted, 1½ in. body, ¾ in. side straps, per set..... **BCJ** $3.80

No. 421—Imitation rubber trimmed sewed, 1¼ in. body, ¾ in. side straps.....per set **BCJ** $4.00



Double Spring Wagon or Team Hip.

No. 423—Japanned trimmed, 2 in. body, 1¾ in. side straps, with bolt snaps, per set ..... **CCJ** $6.00

CART OR DRAY SADDLES.



No. 1.

No. 1—Double and stitched cover, harness leather pad and girth, iron end tree.....each **JGGJ** $14.00

No. 3—Open capped top, harness leather pad and girth..each **FJJ** $9.00

CART SHAFT BANDS.



No. 5—2 in. body, 1½ in. billet, each ..... **ADJ** $2.00

HAME HOUSINGS.



Harness Leather, Shaped, 6½x7 Inches, with Ornaments.

No. 920—Brass ornaments, per pair ..... **CJJ** $4.20

No. 921—Nickel ornaments, per pair ..... **CJJ** 4.20



Double and Stitched Black Harnesss Leather, Shaped Layer Stitched on Top.

No. 1000—16 in. wide, 21½ in. deep, per pair ..... **ABJJ** $18.00

No. 1003—Extra quality, 16 in. wide, 22 in. deep.....per pair **ACBJ** $20.40

BLOCK LETTERING FOR HOUSINGS.

Brass.

Sizes, in.	1	1¼	1½
Each $0.16	.22	.24
	JI	**AB**	**AC**

Nickel.

Sizes, in.	1	1¼	1½
Each $0.16	.22	.24
	JI	**AB**	**AC**

HORSE HOBBLES.



No. 800—1¼ in., single strap, unlined, 9 in. coast chain, w't per doz. 10 lbs., per dozen ..... **CFE** $6.60

No. 802—1¼ in., single strap, leather lined, 9 in. coast chain, w't per doz. 12 lbs. .....per dozen **DIE** $9.00

No. 850—Burro size, 1¼ in., single leather buckle strap, unlined, swivel burro chain, w't per doz. 6 lbs., per dozen ..... **DBJ** $6.30



No. 812—1¼ in., rawhide leather, felt lined, 9 in. coast chain, w't per doz. 12 lbs. .....per dozen **EJE** $9.20



No. 804—1¼ in. single strap, leather lined, 9 in. coast chain, w't per doz. 13 lbs. .....per dozen **JEEJ** $10.00

No. 805—1½ in., single strap, leather lined, 9 in. coast chain, w't per doz. 15 lbs. .....per dozen **JFGE** $12.30



No. 815—1¼ in., single strap, wool sheepskin lined, 9 in. coast chain, w't per doz. 15 lbs., per doz. **JGIJ** $14.40



No. 821—Extra heavy, 1¼ in., best solid single leather buckle strap, leather lined, extra heavy 10 in. coast chain, w't per doz. 20 lbs., per dozen .....**AJBJ** $15.30

No. 823—Extra Heavy, 1½ in., best solid single leather buckle strap, stitched, full length on folded harness, leather lined, extra heavy, 10 in. coast chain, w't per doz. 30 lbs., per dozen .....**AJBJ** $18.50

No. 824—Extra heavy, 2 in. best single leather buckle straps, leather lined, extra heavy 10 in. coast chains, w't per doz. 28 lbs., per doz. **ACGE** $35.00

Nos. 821 to 823 have been added to meet the requirements of those desiring an extra strong well made article. In some sections these are known as Freighter's Hobbles.

HALTERS.



No. 468—1¼ in., 5 ring, machine riveted, black leather, without tie, per dozen .....**JHAJ** $13.50

Reinforced with rawhide at rings and squares.



No. 470—6 ring, machine riveted, 1¼ in., black belting leather, without tie, per dozen .....**JGFJ** $13.80

No. 471—1¼ in., otherwise same as No. 470 .....per dozen **JIFE** $17.50

No. 478—6 ring, machine riveted, 1¼ in., russet belting leather, without tie, per dozen .....**JIBJ** $14.80

Made with chapes around rings and squares.



5 Ring, Machine Riveted.

No. 500—1¼ in., russet belting leather, without tie...per dozen **AJHJ** $16.00

No. 504—1½ in., blacked belting leather, without tie ...per dozen **AABJ** $17.00

No. 507—1¼ in., russet belting leather, machine riveted, 5 ring, with ½ in. rope tie .....per dozen **AABJ** $17.50

Nos. 500, 504 and 507 halters are made from extra selected belting leather.

ONE-HALF DOZEN IN A BUNDLE.



No. 480—5 ring, machine sewed, 1¼ in., russet belting leather, with round throat to snap, without tie, per dozen .....**AAAJ** $17.60



5 Ring, Standard Size, Machine Riveted.

No. 505—1¼ in., without tie, per dozen .....**AJAJ** $16.50

No. 506—1½ in., without tie, per dozen .....**AAEE** 21.00



6 Ring, Standard Size, Machine Riveted.

No. 605—1¼ in., without tie, per dozen .....**AJAJ** $16.50

No. 606—1½ in., without tie, per dozen .....**AAEE** 21.00

ONE-HALF DOZEN IN A BUNDLE.



5 Ring, Machine Riveted.

No. 508—1 in., without tie, per dozen .....**JHEJ** $15.50

No. 512—1¼ in., without tie, per dozen .....**AJAE** 18.50

No. 514—1½ in., without tie, per dozen .....**ABFE** 23.00

No. 518—1 in., with 1 in. tie, per dozen .....**ABGE** 23.20

No. 522—1¼ in., with 1½ in. tie, per dozen .....**ADHE** $27.00

No. 524—1½ in., with 1¼ in. tie, per dozen .....**AHIJ** $32.50



5 Ring, Machine Sewed.

No. 531—1¼ in., without tie, per dozen .....**ACGE** $25.00

No. 534—1½ in., without tie, per dozen .....**AEDJ** 28.00

HALTERS AND WEANERS.



5 Ring, Hand Riveted.

No. 552—1¼ in., without tie, per dozen .....ABIJ $22.60

No. 554—1½ in., without tie, per dozen .....AEDJ 26.00

ONE-HALF DOZEN IN A BUNDLE.



5 Ring, Hand Sewed.

No. 572—1¼ in., without tie, per dozen .....ADGE $26.80

No. 574—1½ in., without tie, per dozen .....AGJE 31.00



Rawhide.

5 Ring, Machine Riveted.

No. 592—1¼ in., without tie, per dozen .....ABFE 23.00

No. 594—1½ in., without tie, per dozen .....AFEJ 30.00



6 Ring, Machine Riveted.

No. 612—1¼ in., without tie, per dozen .....AJAE $18.50

No. 614—1½ in., without tie, per dozen .....ABFE 23.00

No. 618—1 in., with 1 in. tie, per dozen .....ABGE 23.20

No. 622—1¼ in., with 1½ in. tie, per dozen .....ADHE 27.00

No. 624—1½ in., with 1¼ in. tie, per dozen .....AGHE 32.50

ONE-HALF DOZEN IN A BUNDLE.



6 Ring, Hand Riveted, Snap Throat Latch, Double and Stitched.

No. 682—1¼ in., without tie, per dozen .....AEAJ $27.50

No. 684—1½ in., without tie, per dozen .....AGFJ 32.00

ONE-HALF DOZEN IN A BUNDLE.

PONY AND COLT.



Machine Riveted.

No. 650—Pony, 1 in., 5 ring, without tie .....per dozen JGGJ $14.00

No. 660—Colt, 1 in., 5 ring, without tie, per dozen .....JHGJ $12.00

No. 665—Colt, 1 in., 6 ring, without tie, per dozen .....JGEJ $12.00

ONE-HALF DOZEN IN A BUNDLE.

COLT WEANERS.



Weaner and Halter Combined.

No. 10—1 in. harness leather, NC plate trim .....per dozen JFHE $12.50

LOOSE.



No. H30—Galvanized steel, snaps to attach to halters—halters not included—w't per doz. 7 lbs., per doz. CJJ $5.80

LOOSE.

HALTERS AND WEANERS.

WEB.



Adjustable.

No. 567—8 cord fancy web, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 10 lbs., per dozen ..... BDJ $5.30



Adjustable.

No. 565—13 cord fancy web, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 13 lbs., per dozen BGJ $5.20

ONE-HALF DOZEN IN A BUNDLE.

WEB HORSE.



No. 550—12 cord, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 8 lbs. .....per dozen BJE $3.10

No. 555—Colt, 12 cord, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 7 lbs. .....per dozen AIJ $2.90

WEB.



No. 560—13 cord fancy web, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 12 lbs., per dozen BGJ $4.30

ONE-HALF DOZEN IN A BUNDLE.

ROPE.



No. 175—⅝ in. humane sisal rope shipping halter, stained red, ¾ in. stained yellow throat latch, brow band and reinforcement, japanned snap on throat latch, w't per doz. 11 lbs., per dozen ..... BAE $3.80



No. 177—⅝ in. humane sisal rope, shipping halter stained green, ¾ in. stained red throat latch, brow band, reinforcement and tassels, japanned malleable iron snap on throat latch, w't per doz. 14 lbs., per dozen ..... BGJ $4.20

The best shipping and sales halter made. Shows off a horse to advantage, and the colors will not fade. Made from humane sisal rope, something new in soft imitation braided stock, which adds greatly to its strength, the horse's comfort and general appearance.

ONE DOZEN IN A BUNDLE.

COW.



Leather, Machine Riveted.

No. 670—1 in., without ties, per dozen ..... EAE $8.60

No. 675—1¼ in., without ties, per dozen ..... IFIJ $11.40



No. 680—Adjustable, 13 cord fancy web, assorted solid colors, ⅞ in. sisal rope tie .....per dozen CBE $5.40

ONE-HALF DOZEN IN A BUNDLE.

WEB COLT.



No. 557—8 cord fancy web, assorted solid colors, ⅞ in. sisal rope ties, w't per doz. 9 lbs., per dozen $4.20

ONE-HALF DOZEN IN A BUNDLE.

HORSE AND CATTLE TIES AND HALTER LEADS.

WEB HORSE TIES.



No. 501.

No. 501—10 cord brown halter web, one snap and dee, length 10 ft., w't per doz. 7 lbs. .....per dozen **BDJ** $4.40

No. 502—10 cord brown halter web, 2 snaps and 2 dees, length 10 ft., w't per doz. 9 lbs. .....per dozen **BGJ** $4.90

Bridle is not included.

ONE DOZEN IN A BUNDLE.

BLACK LIVERY TIES.



No. 186—⅜ in. cotton sash cord, dyed black, with one snap and patent never slip slide, length 9 ft., w't per doz. 6¼ lbs. ....per dozen **BDJ** $4.80

ONE DOZEN IN A BUNDLE.

ROPE HORSE TIES.



No. 535.

No. 525—½ in. sisal rope, 2 snaps and 2 thimbles, length 10 ft., w't per doz. 9½ lbs. .....per dozen **BDE** $4.60

No. 535—⅝ in. sisal rope, 2 snaps and 2 thimbles, length 10 ft., w't per doz. 14 lbs. .....per dozen **CEE** $5.90

ONE DOZEN IN A BUNDLE.

ROPE HORSE TIES.



No. 527—½ in. special selected long fibre four strand pure Manila lariat rope, XC plate malleable iron snap and thimble, 10 ft. long, w't per doz. 14 lbs. .....per dozen **DEJ** $8.20

No. 537—⅝ in., 11 ft. long, w't per doz. 20 lbs., otherwise same as No. 527, per dozen .....**JEGE** $10.50

The best two snap and thimble tie on the market. Rope full size and cut full length. Extra heavy trimmings.

ONE DOZEN IN A BUNDLE.

ROPE CATTLE TIES.



No. 523—½ in. sisal rope, snap and patent fasteners, length 8½ ft., w't per doz. 6 lbs. .....per dozen **ABJ** $2.20

ONE DOZEN IN A BUNDLE.



No. 520—½ in. pure sisal rope, XC plate malleable iron snap and thimble, 8½ ft. long, w't per doz. 9 lbs., per dozen .....**AHJ** $3.30

No. 530—⅝ in., w't per doz. 12 lbs., otherwise same as No. 520, per dozen .....**BBJ** $4.00

Rope cut full length, heavy trimmings. Good value.

ONE DOZEN IN A BUNDLE.

ROPE CATTLE TIES.



No. 532—⅞ in. special selected long fibre four strand pure Manila lariat rope, XC plate malleable iron snap and adjuster, 10 ft. long, w't per doz. 8 lbs. .....per dozen **BGE** $4.90

ONE DOZEN IN A BUNDLE.

ROPE HALTER LEADS.



7 Feet Long with Snaps.

No. 540—½ in. sisal, w't per doz. 5 lbs., per dozen .....**AAE** $1.90

No. 541—⅝ in. sisal, w't per doz. 7½ lbs. .....per dozen **AFJ** $2.90

No. 542—¾ in. sisal, w't per doz. 8¾ lbs. .....per dozen **BDJ** $3.30

ONE DOZEN IN A BUNDLE.



7 Feet Long, Tapered to Loop.

No. 543—½ in. manila, w't per doz. 4¼ lbs. .....per dozen **JHJ** $1.30

No. 544—¾ in. manila, w't per doz. 4¼ lbs. .....per dozen **JIE** $1.60

No. 545—½ in. high grade sisal, w't per doz. 4 lbs., per dozen **AAE** $1.90

No. 546—¾ in. high grade sisal, w't per doz. 4½ lbs., per doz. **ABE** $2.10

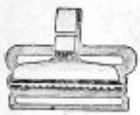
No. 547—⅞ in. high grade sisal, w't per doz. 5 lbs. .....per dozen **ABJ** $2.30

No. 549—⅞ in., manila, w't per doz. 4¾ lbs. .....per dozen **AJJ** $2.00

ONE DOZEN IN A BUNDLE.

BACK BAND HOOKS AND BACK BANDS.

BACK LAND HOOKS.



Plow Boy, Made from Cold Rolled Steel.

No. 23½—3½ in., XC plate, w't per doz. prs. 9 lbs., per doz. pairs **JIJ** $1.68
No. 24—4 in., XC plate, w't per doz. prs. 10 lbs. ....per dozen pairs **AJJ** $1.80
No. 25—5 in., XC plate, w't per doz. prs. 15 lbs. ...per dozen pairs **AAE** $2.10
Quickly adjusted, cannot slip, will not cut the webbing.

WEB BACK BANDS.



White, Bound Edges.

Nos.	1015	1016	1017	1018
Factory Nos.	2	1	0	0
Size, in.	5x39	5x39	5x39	5x42
W't, doz., lbs.	4	4½	5	5½
Per dozen ...	$2.10	2.20	3.10	3.40
	JIE	AAJ	AEJ	AFJ

WEB BACK BANDS.



No. 1005.

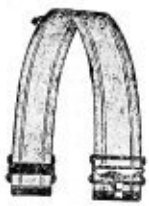
No. 1005—4x39 in.—No. 2—white back band webbing, bound ends, w't per doz. 3 lbs. .....per dozen **JHJ** $1.50

No. 1006—3½x39 in.—No. 1—heavy white back band webbing, bound ends, w't per doz. 3 lbs....per dozen **JGJ** $1.60

No. 1007—4x39 in.—No. 1—heavy white back band webbing, bound ends, w't per doz. 3½ lbs., per dozen **JIJ** $1.80

No. 1010—4x39 in.—No. 0—extra heavy white back band webbing, bound ends, w't per doz. 4 lbs., per doz. **ABE** $2.50

No. 1011—4x42 in.—No. 0—extra heavy white back band webbing, bound ends, w't per doz. 4½ lbs., per dozen ..... **ADJ** $2.70



No. 1030—4x39 in.—No. 2—white back band webbing, bound ends, with No. 24 Plow Boy hooks, w't per doz. 13 lbs. .....per dozen **AHJ** $3.30

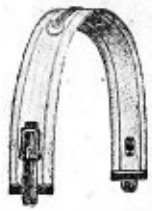
No. 1032—3½x39 in.—No. 1—heavy white back band webbing, bound ends, with No. 23½ Plow Boy hooks, w't per doz. 12 lbs. .....per dozen **AGJ** $3.40

No. 1034—4x39 in.—No. 1—heavy white back band webbing, bound ends, with No. 24 Plow Boy hooks, w't per doz. 13½ lbs. .....per dozen **AIE** $3.50

No. 1040—4x39 in.—No. 0—extra heavy white back band webbing, bound ends, with No. 24 Plow Boy hooks, w't per doz. 14 lbs.....per dozen **ECJ** $4.50

No. 1042—4x42 in.—No. 0—extra heavy white back band webbing, bound ends, with No. 24 Plow Boy hooks, w't per doz. 14½ lbs.....per dozen **BDJ** $4.80

WEB BACK BANDS.



No. 1050—4x39 in.—No. 2—white back band webbing, bound ends, with 1¼x15 in. leather billets, w't per doz. 9 lbs. .....per dozen **DCJ** $7.90

No. 1052—4x39 in.—No. 1—heavy white back band webbing, bound ends with 1¼x15 in. leather billets, w't per doz. 9½ lbs. .....per dozen **DEE** $8.30



No. 1055—4x39 in.—No. 1—white back band webbing, bound ends, with 1¼x15 in. leather billets and leather loops for crotch back straps, w't per doz. 10½ lbs....per dozen **ECE** $9.70



No. 1060—Folded white duck, 39 in. long, 5 in. wide, leather safes on ends, with "H. & A." trace loops, w't per doz. 15 lbs. .....per dozen **BGE** $6.00

FACTORY NUMBERS OF WEBBING GIVEN BETWEEN DASHES.

BACK BANDS, TEAM PADS AND MARKET STRAPS.

BACK BANDS.



Single Leather, Loop on Top, Trace Loop Sewed and Riveted.

Nos.	503½	504
Width, in.	3½	4
W't per doz., lbs.	18	22
Per dozen	$15.20	17.50
	JIAJ	AJEJ



Single Leather, Felt Lined, Loop on Top, 1¼ Inch Buckle and Billet.

Nos.	523½	524
Width, in.	3½	4
W't per doz., lbs.	19	23
Per dozen	$19.00	21.50
	AAGJ	AAGJ

TEAM PADS.



No. 840—4½ in. swelled felt lined housings, 1¼ in. layer and reverse billets, loops for crotch back straps, w't per pr. 3 lbs. .....per pair BGJ $4.50



No. 852—6 in. swelled felt lined and brass spotted housings, 1½ in. layer forming billets, brass Colorado bridges, 1½ in. japanned market tugs, w't per pair 4½ lbs., per pair .....DBJ $7.00



No. 894—New style Moline tree, harness leather inserted housing, harness leather bottom, folded skirts with 1¼ in. layer and billets, XC plate trimmed, w't per pr. 7½ lbs., per pair .....DHJ $7.00

TEAM PADS.



No. 890.

No. 890—Harness leather swell sewed pad, folded skirts, 1¼ in. layer and billets, XC plate trimmed, w't per pr. 7 lbs.....per pair DEJ $7.00

No. 891—For slip or short tug harness, otherwise same as No. 890, w't per pair 7¼ lbs. .....per pair EDJ $8.50

MARKET STRAPS.



No. 79—1¼ in., XC plate roller buckles, w't per doz. 5 lbs., per dozen .....CBJ $5.30

TEAM AND COACH PADS.

TEAM PADS.



No. 900 XC plate, new style Moline tree, with market strap ends, harness leather inserted housings, harness leather bottom, w't per pair 5½ lbs., per pair .....AGJ $2.80



No. 911—Japanned universal tree, patent leather bound edge housing forming top of pad, sewed stuffed bottoms, XC plate trimmed, w't per pair 6 lbs., per pair .....BBJ $3.30



Japanned Flexible Tree, 3½ Inch Swelled Spotted Housings Forming Top of Pad, Sewed Stuffed Bottoms.

No. 912—Brass trimmed, w't per pair 6 lbs. .....per pair CDJ $4.80

No. 913—Nickel trimmed, w't per pair 6 lbs. .....per pair CDJ $4.80

TEAM PADS.



O. K. Pad Plate, Patent Leather Top, Swelled Harness Leather Housings, Sewed Stuffed Bottoms.

No. 916—1⅛ in. pad plate, untrimmed, w't per pair 6½ lbs., per pair .....AHJ $2.50

No. 917—1½ in. pad plate, untrimmed, w't per pair 7 lbs., per pair .....BJE $2.70



No. 918—Japanned face plate, 1⅝ in. pad plate, untrimmed, patent leather oval tops, 5 in. swelled patent leather bound housings with Neat's leather beaded layer, sewed stuffed bottoms, untrimmed, w't per pair 7½ lbs., per pair .....BIJ $4.00



No. 920—Flexible, harness leather swelled housing and bottom, sewed, 1¼ in. layer with dees for market straps, XC plate trimmed, w't per pair 4 lbs. .....per pair AHJ $2.80

COACH PADS.



Japanned Face Plate, Patent Leather Top, One Row Stitching, Patent Leather Inserted Housings, Pinked Edge Binding, Tan Back Bottom.

No. 700—1⅛ in. pad plate, japanned hand trimmed, w't per pair 5 lbs., per pair .....AEJ $2.50

No. 701—1⅛ in. pad plate, XC plate trimmed, w't per pair 5 lbs., per pair .....AEJ $2.50

COACH PADS.



No. 706—Japanned face plate, patent leather oval top, two rows stitching, patent leather housing and roll binding, full grain enameled leather bottom stitched to housing, 1⅝ in. pad plate, untrimmed, w't per pair 3¼ lbs., per pair .....AFJ $2.70



Japanned Face Plate, Patent Leather Oval Top, Two Rows Stitching, Patent Leather Tapering Housing and Roll Binding, Full Grain Enameled Leather Bottom Stitched to Housings.

No. 710—1⅛ in. hook end pad plate, untrimmed, w't per pair 3¼ lbs., per pair .....AIJ $3.00

No. 711—1⅝ in. hook end pad plate, untrimmed, w't per pair 3½ lbs., per pair .....BAJ $3.30



No. 721—Japanned face plate, patent leather, swelled oval top, two rows stitching, long tapering patent leather housing, patent leather binding and oval lay combined, full grain enameled leather, bottom stitched to housings, cherry and black stitched, 1⅝ in. pad plate, untrimmed, w't per pair 3½ lbs. ....per pair BBJ $3.70



Japanned Face Plate, Patent Leather Oval Tops, Patent Leather Fancy Spotted and Stitched Bound Housings Sewed Stuffed Bottoms.

No. 760—1¾ in. pad plate, brass spotted, untrimmed, w't per pair 4½ lbs., per pair .....BAJ $3.50

No. 761—1¾ in. pad plate, nickel spotted, untrimmed, w't per pair 4¾ lbs., per pair .....BAJ $3.50

COACH PADS, SURREY AND GIG SADDLES.

COACH PADS.



No. 770—1½ in. japanned face plate, bound and beaded, patent leather oval tops, patent leather housings, enameled leather, sewed stuffed bottoms, untrimmed, w't per pr. 5½ lbs., per pair .....**BAE** $3.60



Japan Face Plate, Patent Leather Oval Top, Patent Leather Bound and Beaded Housings, Sewed Stuffed Bottoms.

No. 785—1½ in. pad plates, gilt chain housings, untrimmed, w't per pr. 5 lbs. .....per pair **BFJ** $4.70

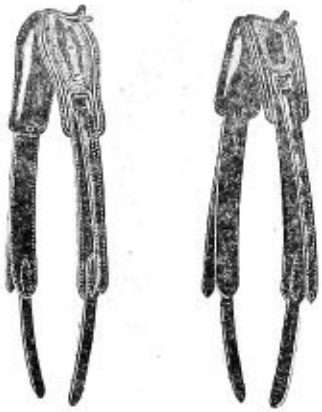
No. 786—1½ in. pad plates, nickel chain housings, untrimmed, w't per pr. 5 lbs. .....per pair **BFJ** $4.70

SURREY.



No. 819—3½ in. side trim tree, japan pug seat, two rows stitched patent leather jockeys, 1 row stitched patent leather skirts, enameled leather bottoms, machine laced, 1 in. double and stitched raised running hearers, ⅜ in. billets, w't 3½ lbs. ...each **CCJ** $6.00

SINGLE STRAP GIG SADDLES.



No. 409. No. 411.

No. 409—2½ in. japanned seat, half track flexible tree, patent leather jockeys, swell pad with beaded bindings, enameled leather sewed stuffed bottom, ⅞ in. double and stitched oval dee bearers, 1⅞ in. double and stitched harness leather skirts, ⅜ in. billets, untrimmed, w't about 2½ lbs., each ..... **AEE** $2.60

No. 411—2½ in. japanned eat, half track flexible tree, patent leather jockeys, pad tops and beaded binding, enameled leather, sewed stuffed bottoms, 1 in. double and stitched oval dee bearers, 1¾ in. harness leather skirts, ⅜ in. billets, untrimmed, w't 2½ lbs., each .....**AHJ** $2.40



No. 413—2½ in. japanned seat, half track flexible tree, long patent leather jockeys, swell pad, extra row of beading, pad tops and binding, oval bead, enameled leather, sewed stuffed bottoms, 1 in. double and stitched oval dee bearers, 1¾ in. harness leather skirts, ⅜ in. billets, untrimmed, w't 3¼ lbs.....each **AIJ** $3.20

GIG, FLEXIBLE LACE.



No. 720—2½ in. covered seat, half track flexible patent leather jockeys with harness leather layer, patent leather oval skirts, enameled leather pad, machine laced, ⅝ in. oval dee bearers, ⅜ in. billets, untrimmed, w't 3 lbs., each ..... **CBJ** $4.50

"KAY."



No. 612. No. 618.

No. 612—"Near Kay," 2½ in. covered seat, half track flexible tree, long tapering patent leather jockeys, patent leather oval skirts, patent leather Kay pad, machine sewed, ⅞ in. oval dee bearers, ⅜ in. billets, untrimmed, w't 2¾ lbs.....each **CHJ** $5.80

No. 618—2½ in. covered seat, half track tree, long tapering patent leather jockeys, patent railing leather Kay pad, ⅝ in. oval dee bearers, ⅜ in. billets, untrimmed, w't 3 lbs., each .....**DFJ** $6.50

GIG SADDLES.

SINGLE STRAP.



No. 414—2½ in. japanned seat, half track flexible tree, patent leather jockeys, swell pads with extra beading, enameled leather sewed stuffed bottoms, 1 in. double and stitched oval dee bearers, 1¾ in. harness leather skirts, ⅞ in. billets, untrimmed, w't 2¼ lbs., each ..... **AIJ** $3.50



No. 418—2¼ in. japanned seat, half track flexible tree, wide swelled pad and fancy stitched jockeys, bound edge and oval lay combined, enameled leather sewed stuffed bottoms, 1 in. double and stitched raised dee bearers, 1½ in. harness leather skirts, ⅞ in. billets, untrimmed, w't 3¼ lbs., each ..... **AIJ** $3.50

SINGLE STRAP.



No. 421—2¼ in. japanned seat, half track flexible tree, long tapering patent leather jockeys and pad tops, bound edges, neats leather layer, enameled leather sewed stuffed bottom, 1 in. double stitched raised dee bearers, 2 in. harness leather skirts, ⅞ in. billets, untrimmed, w't 3½ lbs., each ..... **BBJ** $4.00



2¼ Inch Japan Seat, Half Track Flexible Tree, Long Patent Leather Jockeys, Wide Swell Patent Leather Pad Tops with Fancy Stitching and Spotted, Bound and Beaded Edge, Enameled Leather Sewed Stuffed Bottoms, 1 Inch Double Stitched Raised Dee Bearers, 1⅞ Inch Heavy One Piece Continuous Harness Leather Skirts, ⅞ Inch Billets.

No. 426—Untrimmed, nickel spotted, w't 3½ lbs. ..... each **BBJ** $4.00

No. 427—Untrimmed, brass spotted, w't 3½ lbs. ..... each **BBJ** $4.00

SINGLE STRAP.



No. 430—2¼ in., japanned seat, half track flexible tree, swell patent leather jockeys, bound and beaded edge housings, enameled leather sewed stuffed bottom, 1 in. raised double and stitched dee bearers, 2 in. harness leather skirts, ⅞ in. billets, untrimmed, w't about 3 lbs., each **AGE** $3.20



2¼ Inch Japan Seat, Half Track Flexible Tree, Long Russet Leather Spotted Jockeys, Wide Swell Pad Top with Fancy Stitching, Bound and Beaded Edge, Enameled Leather Sewed Stuffed Bottoms, 1 Inch Doubled and Stitched Raised Dee Bearers, 1⅞ Inch One Piece Continuous Harness Leather Skirts, ⅞ Inch Billet.

No. 431—Untrimmed, nickel spotted, w't 3½ lbs. ..... each **BBJ** $4.00

No. 433—Untrimmed, brass spotted, w't 3½ lbs. ..... each **BBJ** $4.00

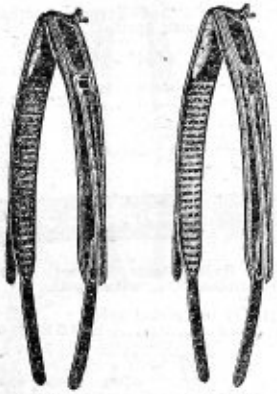
GIG AND EXPRESS SADDLES AND TUGS.

SINGLE STRAP GIG.



No. 445—2½ in. "no-seat," half track flexible tree, long swell patent leather jockeys with shaped harness leather layer, extra wide swell pad top, with fancy cherry patent leather wide oval bead enameled leather sewed stuffed bottom, 1 in. double and stitched raised dee bearers, 1⅜ in. harness leather skirts, ⅞ in. billets, w't about 2¾ lbs. .....each **BAJ** $3.20

FULL PAD GIG.



No. 530. No. 512.

No. 530—3 in. covered seat, half track tree, patent leather jockeys, patent leather oval skirts, enameled leather bottom, machine laced, 1 in. oval dee bearers, ⅞ in. billets, untrimmed, w't 3½ lbs. .....each **BHJ** $4.30

No. 512—3 in., japanned seat, patent leather jockeys, patent leather oval skirts, enameled drill pad, 1 in. oval bearers, ⅞ in. billets, untrimmed, w't 3 lbs. .....each **AGJ** $3.10

FULL PAD GIG.



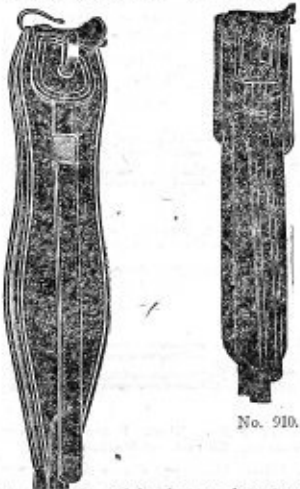
No. 500—2½ in., japanned seat and jockey tree, patent leather skirts, enameled cloth bottom, ⅞ in. oval bearers, ⅞ in. billets, japanned trimmed, w't 2½ lbs. .....each **ABJ** $2.10

No. 501—2½ in., XC plate trimmed, w't 2¼ lbs., otherwise same as No. 500 .....each **ABJ** $2.10

No. 502—3 in., 1 in. bearers japanned trimmed, otherwise same as No. 500, w't 3 lbs. .....each **ABE** $2.30

No. 503—3 in., 1 in. bearers, XC plate trimmed, w't 3 lbs., otherwise same as No. 500 .....each **AGJ** $2.30

FLEXIBLE LACE. EXPRESS.



No. 910.

No. 508—Gig, 3½ in. japanned seat and jockey tree, patent leather swelled skirts, enameled drill pad, 1 in. double and stitched bearers, ⅞ in. billets, XC plate trimmed, w't 3½ lbs., each .....**BJJ** $5.00

No. 910—Express, 3½ in., with 1¼ in. bearers, 1¼ in. billets, japanned seat and jockey tree, double stitched, harness leather skirts, double and stitched ring bearers, patent leather housings, leather bound kersey pad, w't 6½ lbs., each .....**BHJ** $4.00

EXPRESS.



Nos. 935 to 937. Nos. 945 to 947.

Japanned Seat and Jockey, Harness Leather Skirts and Facing, Double and Stitched Swinging Bearers, Gray Kersey Pad.

No. 935—4 in., with 1¼ in. bearers, 1¼ in. billets, w't 6½ lbs., each .....**CJJ** $5.40

No. 936—4½ in., with 1½ in. bearers, 1½ in. billets, w't 7 lbs., each .....**CEE** $6.20

No. 937—5 in., with 1½ in. bearers, 1½ in. billets, w't 7½ lbs., each .....**CGE** $6.80

Japanned Seat and Jockey, Harness Leather Skirts and Facing, Double and Stitched Swinging Bearers, Neats Leather Pad.

No. 945—4 in., with 1¼ in. bearers, 1¼ in. billets, w't 7 lbs., each .....**CEE** $5.80

No. 946—4½ in., with 1½ in. bearers, 1½ in. billets, w't 7½ lbs., each .....**CIE** $6.50

No. 947—5 in., with 1½ in. bearers, 1½ in. billets, w't 8 lbs., each .....**DDJ** $7.20

BREAST COLLAR TUGS



No. 10—Imitation rubber buckles, ⅝x1¼ in. box loops with dees, w't per doz. ¾ lb., per single dozen .....**JIJ** $1.60

No. 12—Imitation rubber buckles, ⅝x2 in. box loops with dees, w't per doz. 1 lb., per single doz. **JIE** $1.70

No. 14—Nickel on composition buckles, ⅝x1¼ in. box loops with dees, w't per doz. ¾ lb., per single doz. **JIE** $1.70

No. 16—Nickel on composition buckles, ¼x2 in. box loops, with dees, w't per doz. 1 lb., per single dozen **AJE** $1.90

ONE DOZEN IN A BOX.

BLINDS AND BRIDLE FRONTS.

SENSIBLE BLINDS.



Patent Leather, Three Row Stitched, Grain Lined.

No. 215—⅝ in., w't per doz. prs. 8 lbs., per dozen pairs .....CCJ $6.00
No. 216—¾ in., w't per doz. prs. 9 lbs., per dozen pairs .....CFE $6.60



Harness Leather, Three Row Linen Stitched, Grain Lined.

No. 285—⅝ in., w't per doz. prs. 8 lbs., per dozen pairs .....BIJ $5.30
No. 286—¾ in., w't per doz. prs. 9 lbs., per dozen pairs .....CBE $5.90
No. 287—⅞ in., w't per doz. prs. 10 lbs., per dozen pairs .....CFE $6.50

SQUARE BLINDS.

No. 298—⅛ in., harness leather, three row linen stitched, grain lined, w't per doz. prs. 9 lbs., per dozen pairs .....CHJ $6.90
ONE-HALF DOZEN PAIRS IN A BOX.

BUGGY BLINDS.



Patent Leather, Split Dash, Three Row Stitched, Grain Lined.

No. 310—⅝ in., w't per doz. prs. 8 lbs., per dozen pairs .....CDJ $6.20
Patent Leather, Brilliant Dash, Three Row Stitched, Grain Lined.

No. 312—⅝ in., w't per doz. prs. 8 lbs., per dozen pairs .....CGE $6.80

TRACK BLINDS.



Patent Leather, Split Dash, Three Row Stitched, Grain Lined.

No. 322—⅝ in., w't per doz. prs. 7½ lbs., per dozen pairs .....CDJ $6.20

BRIDLE FRONTS.



Leather Filler, Enameled Cloth Wrapper, Flat Patent Leather Layer.

No. 125—⅝ in.....per dozen JHJ $1.50
No. 126—¾ in.....per dozen AJE 1.90



Leather Filler, Patent Leather Wrapper, Machine Raised Center.

No. 129—⅝ in.....per dozen AAJ $2.00
No. 130—¾ in.....per dozen ADJ 2.50



Leather Filler, Black Patent Leather Wrapper, Solid Oval Raised Center.

No. 135—⅝ in.....per dozen ABJ $2.20
No. 136—¾ in.....per dozen AEE 2.80



No. 139—Leather filler, black patent leather wrapper, beveled edge, triple bead, ⅝ in.....per dozen ADE $2.60

BRIDLE FRONTS.



Leather Filler, Patent Leather Wrapper, Solid Oval Neats Leather Layer.

No. 142—⅝ in.....per dozen AFE $3.00
No. 143—¾ in.....per dozen BJJ 3.60



Solid Leather Back, Brass Band Layer.

No. 255—⅞ in.....per dozen ADJ $2.50
No. 256—1 in.....per dozen AEE 2.80



No. 300—⅞ in., harness leather double and stitched, raised center, per dozen .....AGE $3.20



Double and Stitched Harness Leather with Spots.

No. 310—⅞ in., nickel spots, per dozen .....BEJ $4.50
No. 311—⅞ in., brass spots, per dozen .....BEJ 4.50



Leather Back, Neats Leather Layer Stitched On, with Spots.

No. 315—¾ in., nickel spots, per dozen .....BGE $5.00



Round Harness Leather.

No. 330—⅞ in., team, per dozen .....BCJ $4.20
No. 335—½ in., buggy, per dozen .....AIJ 3.50

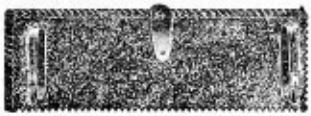
FELT HOUSINGS.



Plain Felt, Pinked Edge, Assorted Colors.

No. 100—Gig, standard weight, 4½x14 in., w't per doz. 2½ lbs., per dozen .....**AJJ** $1.70

No. 103—Coach, heavy weight, 4½x18 in., w't per doz. 2⅞ lbs., per dozen .....**AFJ** $2.70



No. 109—Coach, 4½x18 in., extra heavy, good quality felt, pinked edge, orange colored, w't per doz. 4 lbs., per dozen .....**BFE** $4.20



Quilted Black Glazed Top, Old Gold and Blue Drill Bottom, Fancy Colored Felt, Pinked Edge, Assorted Colors.

No. 110—Gig, 4½x14 in., w't per doz. 4 lbs. .....per dozen **ACJ** $3.20

No. 112—Coach, 4½x18 in., w't per doz. 5 lbs. .....per dozen **AFJ** $2.70



No. 114—Gig, 4½x14 in., light weight felt, pinked edge, assorted colors, patoline top, perforated, w't per doz. 2¾ lbs. .....per dozen **BJJ** $2.70

No. 115—Coach, 4½x18 in., w't per doz. 3¼ lbs. .....per dozen **BBJ** $3.20



No. 124—Coach, 4½x18 in., two ply, orange and blue felt, w't per doz. 3¼ lbs. .....per dozen **BHJ** $3.70



No. 116—Coach, 4½x18 in., fancy standard weight felt, pinked edge, assorted colors, patent leather top, perforated, w't per doz. 3½ lbs., per dozen .....**BGE** $3.90

ONE DOZEN IN A PACKAGE.



Fancy Heavy Weight Felt in Center, Pinked Edge, Assorted Colors, Fancy Top and Bottom Layers of C. B. Felt, Patent Leather Top, Perforated.

No. 120—Gig, 4½x14 in., w't per doz. 3¼ lbs. .....per dozen **CBE** $4.70

No. 122—Coach, 4½x18 in., w't per doz. 4¼ lbs. .....per dozen **DJJ** $6.00



Fine Boot Felt Bottom, Pinked Edge, Patent Leather Shaped Top, Assorted Plush Roll.

No. 160—Gig, 4½x16 in., w't per doz. 4½ lbs. .....per dozen **FHE** $9.30

No. 162—Coach, 4½x19 in., w't per doz. 5 lbs., ...per dozen **JFHJ** $11.30

No. 187—Coach, 4½x18 in., white felt bottom, patoline shaped top, white roll w't per doz. 4¼ lbs., per dozen .....**EEJ** $8.50



No. 136—Coach, 4½x18 in., double graduated felt, pinked edge, assorted colors, patoline top with beaded edge, w't per doz. 7 lbs., per dozen .....**EJJ** $7.30

ONE DOZEN IN A PACKAGE.



No. 130—Gig, 4½x14 in., turn back, two-ply felt, pinked edge, assorted colors, patoline top with beaded edge, w't per doz. 7 lbs...per dozen **DEJ** $6.00



No. 131—Coach, 4½x18 in., turn back, three ply orange felt, lined with old gold drill, fancy stitched, patent leather top, w't per doz. 8 lbs., per dozen .....**DJJ** $5.30



No. 135—Coach, 4½x18 in., turn back, four ply blue felt, pinked edge, patent leather top with beaded edge, w't per doz. 10 lbs., per dozen **GCJ** $8.80



Four Rows of Quilting, Black Glazed Top, Heavy Blue Felt, Stuffed Bottom, Pinked Edge.

No. 306—Express, 6x20 in., w't per doz. 7 lbs. .....per dozen **BGJ** $3.80

ONE DOZEN IN A PACKAGE.

HOUSINGS.

FELT EXPRESS.



Heavy Asbestos Gray Felt, Pinked and Stitched Edge.

Nos.	301	302
Size, in.	6x20	7x20
W't per doz., lbs.	7	8
Per dozen	$5.00	5.60
	CJJ	CCE



Heavy Orange Felt, Pinked Edge.

Nos.	310	311
Size, in.	6x20	7x20
W't per doz., lbs.	6	7
Per dozen	$7.30	8.00
	EHJ	FBE

ONE DOZEN IN A PACKAGE.



Heavy Blue Felt, Pinked Edge.

Nos.	320	321
Size, in.	6x20	7x20
W't per doz., lbs.	7	8
Per dozen	$7.50	8.00
	ECE	EGE



Double Graduated Orange Wool Felt, Pinked Edge.

No. 325—6x20 in., w't per doz. 7¾ lbs., per dozen .....EFJ $9.30

Double Graduated Blue Felt, Pinked Edge.

No. 328—6x20 in., w't per doz. 7¼ lbs., per dozen .....EGJ $9.50

No. 329—7x20 in., w't per doz. 8¼ lbs., per dozen .....JFFJ $11.00

ONE DOZEN IN A PACKAGE.

HAIR.



Alaskan Hair, Knit Together by Slender Barbed Needles, Making Them Flexible and Porous.

No. 801—Cruso, Coach, 4½x18 in., w't per doz. 5 lbs. ..per dozen CCJ $6.00



Alaskan Hair, Knit Together by Slender Barbed Needles, Making Them Flexible and Porous.

No. 800—Cruso, Express, 6x20 in., w't per doz. 7 lbs., per dozen DHJ $7.50

No. 810—Cruso, Express, 7x20 in., w't per doz. 8 lbs., per dozen EBB $8.70

SANITARY HAIR.



Top Neck Pads.

Genuine Curled South American Horse Hair, Compactly Interwoven with Reinforced Blue Felt Top, Leather Straps.

No. 423—6x10 in., w't per doz. 4 lbs., per dozen .....CDE $6.00

No. 426—7x10 in., w't per doz. 4¼ lbs., per dozen .....CHE $6.70

No. 427—7x12 in., w't per doz. 4½ lbs., per dozen .....DCJ $7.50



No. 450—Coach, 4½x18 in., w't per doz. 5 lbs. .....per dozen DIJ $8.50

No. 455—Express, 6x20 in., w't per doz. 7 lbs. .....per dozen JEGE $10.00

No. 456—Express, 7x20 in., w't per doz. 8 lbs. .....per dozen JFCE $11.00

No. 457—Express, 8x20 in., w't per doz. 9 lbs. .....per dozen JGBJ $12.50

ONE-HALF DOZEN IN A BUNDLE.

VENTIPLEX.



Ventiplex Fabric is an entirely new material used in the manufacture of Sweat Pads, Housings and Saddle Blankets. It is not a felt, it consists of several layers of Wool, Hair and India Fibre, so interlaced as to permit free circulation of air, thus permitting moisture to go easily from the inner side to the outer side, thereby healing Gall Sores, etc.

Other great features of Ventiplex are that they can be cleansed with soap and water, thereby making them perfectly sanitary. Their wearing qualities are the best and will always hold their shape.



No. 200—Gig housing, 4½x14 in., gray, strapped, whipped edges, per dozen .....ADE $2.50
ONE DOZEN IN A BUNDLE; W'T 3 LBS.

No. 240—Coach Housing, 4½x18 in., fawn, strapped, whipped edges, per dozen .....AHE $3.20
ONE DOZEN IN A BUNDLE; W'T 4 LBS.

No. 250—Coach Housing, 4½x18 in., blue, strapped, whipped edges, per dozen .....AHE $3.20
ONE DOZEN IN A BUNDLE; W'T 4 LBS.

No. 264—Express Housing, 6x20 in., blue, strapped, whipped edges, per dozen .....CDE $6.00
ONE DOZEN IN A BUNDLE; W'T 6 LBS.



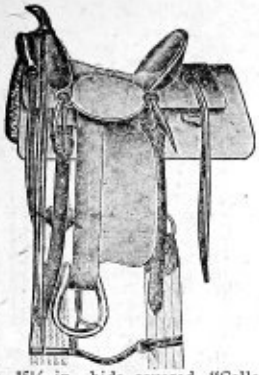
No. 182—Breast Collar Housing, 3½x36 in., blue, strapped, whipped edges, per dozen .....CGE $6.50
ONE DOZEN IN A BUNDLE; W'T 6¼ LBS.



Top Neck Pads.

No. 185—Gray, two hooks, whipped edge, 7x10 in., per dozen ADE $2.50
ONE DOZEN IN A PACKAGE.

RIDING SADDLES.



Tree—15½ in., hide covered, "Collard" steel fork, wide swell front, laced rawhide horn.
Skirts—Bastos, 28x13 in., round corners wool lined.
Front—Rawhide bound, solid center, not laced.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, rawhide bound.
Stirrup Leathers—3 in.
Fenders—9½x16¼ in.
Latigos—Long, 1½ in., short, 1¾ in.
Stirrups—Bent wood, leather tread.
Cinchas—Connected, 40 strand fish cord, front with leather safes, 4 in. white belting, web flank.
No. 127H—All plain, double cinchas, w't about 29½ lbs. ....each **CCJJ** $55.00



Western Style.
Tree—14½ in., Improved Comanche, steel fork, hide covered.
Skirts—Full lined, 22½ in.
Seat—Full, seat, jockeys and cantle in one piece.
Cantle—Roll stitched.
Fenders—14½x7 in.
Stirrup Leathers—2 in., to lace, lined at points.
Rigging—1¼ in. front, 1¼ in. back, 1 in. connecting straps.
Latigos—1½ in. short, 1¼ in. long.
Stirrups—California block, 2½ in.
Cinchas—18 strand Texas cotton with buckle tongues.
No. 950H—Double cinchas, w't 15 lbs., each .....**AIBJ** $32.00



Fancy Pattern, Hand Stamped.
Tree—15½ in., beef hide covered, "Mart-Mill" steel fork, wide swell front, laced rawhide horn, leather lined.
Skirts—Bastos, 27½x13 in., wool lined.
Front—Rawhide bound and beaded, solid center, not laced.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, rawhide bound.
Stirrup Leathers—3 in.
Fenders—8½x15½ in.
Latigos—Long 1 ½in., short 1¾ in.
Stirrups—Bent wood, leather tread.
Cinchas—California, 16 strand, white Angora, wool lined leather safes with tongues.
No. 129H—Double cinchas, w't about 26 lbs. .....each **CABJ** $52.00



Fancy Design, Basket Pattern, Hand Stamped.
Tree—15 in., beef hide covered, "Goodsill" steel fork, wide swell front, plain horn.
Skirts—Bastos, 26x12½ in., wool lined.
Front—Yoke layer over gullet stitched on.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, bound.
Stirrup Leathers—3 in.
Fenders—8½x15½ in.
Latigos—Long 1½ in., short 1¾ in.
Stirrups—Bent wood.
Cinchas— 18 strand cotton, leather safes with tongues.
No. 130H—Double cinchas, w't about 27 lbs .....each **BHBJ** $47.00



Tree—15 in., hide covered, "Summers" steel fork, medium wide swell front, plain horn.
Skirts—Bastos, 11½x23 in., wool lined.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, bound.
Stirrup Leathers—2 in.
Fenders—8x15 in.
Latigos—Long, 1¼ in., short, 1½ in.
Stirrups—Bent wood.
Cinchas—5 in. Mexican cotton, with tongues.
No. 131H—Double cinchas, w't about 24 lbs. .....each **DDJJ** $40.00



Western Style, Hand Stamped.
Tree—16 in., hide covered, "Ingram" steel fork, medium wide swell front, laced rawhide horn, leather lined.
Skirts—Bastos, 25x12½ in., wool lined.
Front—Rawhide bound, solid center, not laced.
Seat—Full, jockey's seat and cantle in one piece.
Cantle—Straight, rawhide bound.
Stirrup Leathers—2½ in.
Fenders—8¼x16 in.
Latigos—Long, 1¾ in., short, 1¾ in.
Stirrups—Bent wood, leather covered tread.
Cinchas—18 strand, soft gray hair, wool lined leather safes and tongues.
No. 133H—Double cinchas, w't about 27½ lbs. .....each **CCFJ** $56.00

RIDING SADDLES.



No. 138-H, California Style.

Tree—"Cherokee," hide covered, 15 in., steel fork.
Skirts—Wool lined, 12½x24½ in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7½x15½ in.
Stirrup Leathers—2¼ in.
Latigos—Long 1¾ in., short 1½ in.
Stirrups—Ox bow, leather tread, 2 in. bottoms.
Cinchas—15 strand California set gray hair, leather safes with buckle tongues.
No. 138H—Double cinch, w't about 24 lbs. .....each **BEBJ** $40.00



No. 766-H Western Style.

Tree—14 in., steel fork.
Skirts—10x21 in., felt lined.
Seat—Half, straight cantle, skirt forming jockeys.
Fenders—8x13 in.
Stirrup Leathers—1½ in
Latigos—1 in, to tie
Stirrups—4 in., Texas bolt.
Cinchas—16 strand Texas cotton.
No. 766-H—Double cinch, w't about 12 lbs. .....each **AAAJ** $17.00



No. 151-H, California Style, Nickel Horn.

Tree—Nickel horn, hide covered, 14½ in., steel fork.
Skirts—Wool lined, 12x23 in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7½x15 in.
Stirrup Leathers—2 in.
Latigos—Long 1½ in., short 1½ in.
Stirrups—Ox bow, 1½ in. bottoms.
Cinchas—20 strand Texas cotton, with buckle tongues.
No. 151-H—Double cinch, w't about 21 lbs. .....each **BDFJ** $34.50



No. 152-H, Western Style.

Tree—Improved "Steinway," hide covered, 14½ in., steel fork.
Skirts—Felt lined, 11½x22½ in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7x14½ in.
Stirrup Leathers—2 in.
Latigos—Long 1¼ in., short 1½ in.
Stirrups—California block, 2½ in. bottoms.
Cinchas—18 strand Texas cotton, with buckle tongues.
No. 152-H—Double cinch, w't about 18 lbs. .....each **AIBJ** $30.00



154-H, Western Style.

Tree—Improved "Steinway," hide covered, 14½ in., steel fork.
Skirts—Felt lined, 12x23½ in.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—7x14 in.
Stirrup Leathers—1¾ in.
Latigos—1¼ in., to tie.
Stirrups—California block, 2½ in. bottoms.
Cinchas—15 strand Texas cotton.

No. 154-H—Double cinch, w't about 17 lbs. .....each **AHJJ** $28.00



No. 155-H, Western Style.

Tree—14½ in., steel fork.
Skirts—11½x22½ in., unlined.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—8¼x16 in.
Stirrup Leathers—2 in.
Latigos—Long 1¼ in., short 1½ in.
Stirrups—Ox bow, 1½ in. bottoms.
Cinchas—20 strand Texas cotton.

No. 155-H—Double cinch, w't about 24 lbs. .....each **AHJJ** $27.00

RIDING SADDLES.

MEN'S.



No. 159-H, Western Style.

Tree—14½ in. steel fork.
Skirts—11¼x21½ in. felt lined.
Seat—Full, jockeys, seat and cantle in one piece.
Fenders—8¼x16 in.
Stirrup Leathers—2 in.
Latigos—1¼ in., to tie.
Stirrups—Ox bow, 1⅞ in. bottoms.
Cinchas—20 strand Texas cotton.

No. 159-H—Double cinch, w't about 19 lbs. .....each **AGDJ** $26.50



No. 162-H, Western Style.

Tree—14½ in., steel fork.
Skirts—11x21 in., wool covered bars.
Seat—Half with jockeys.
Fenders—7x14 in.
Stirrup Leathers—1¼ in.
Latigos—1¼ in., to tie.
Stirrups—4 in., Texas bolt.
Cinchas—15 strand Texas cotton.

No. 162-H—Double cinch, w't about 13 lbs. .....each **ADDJ** $20.00



No. 164-H, Western Style.

Tree—14½ in., steel fork.
Skirts—Felt lined, 11x22 in.
Seat—Full, jockeys sewed on.
Fenders—7x14 in.
Stirrup Leathers—1½ in.
Latigos—1½ in., to tie.
Stirrups—4 in., common wood.
Cinchas—15 strand Texas cotton.

No. 164-H—Double cinch, w't about 16 lbs. ..... each **AEJJ** $22.50



No. 165-H, Western Style.

Tree—14½ in., steel fork.
Skirts—Felt lined, 10x20½ in.
Seat—Full, jockeys sewed on.
Fenders—7x14 in.
Stirrup Leathers—1¼ in.
Latigos—1½ in., to tie.
Stirrups—California block, 2 in. bottoms.
Cinchas—15 strand Texas cotton.

No. 165-H—Double cinch, w't about 14 lbs. .....each **ADDJ** $21.00



No. 167-H Horn, Morgan.

Tree—14 in., Morgan.
Skirts—10½x22½ in., felt lined.
Seat—Full, jockeys and seat in one piece.
Fenders—6½x12 in.
Stirrup Leathers—1¼ in.
Latigos—1½ in., to tie.
Stirrups—4 in., Texas bolt.
Cinchas—15 strand Texas cotton.

No. 167-H—Double cinch, w't about 12 lbs. .....each **AAAJ** $19.90



No. 168-H Horn, Morgan.

Tree—Morgan, hide covered, 14 in.
Seat—Full.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Cinchas—3 in., cotton back band.
Stirrups—4 in., Texas bolt.

No. 168-H—Double cinch, w't about 10 lbs. ..... each **JIJJ** $12.50

RIDING SADDLES.

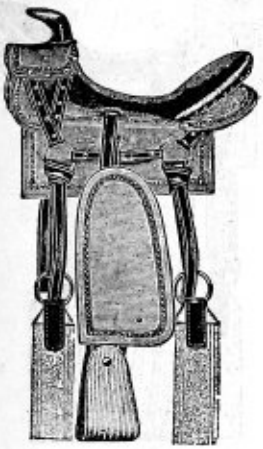
BOYS'.



No. 175-H Horn, Morgan.

Tree—Morgan, hide covered, 13 in.
Seat—Half.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Stirrups—3 in., wood.
Girths—3 in., cotton back band.

No. 175-H—Double cinch, w't about 9 lbs. .....each **J F F J** $11.00



No. 195-H Horn, Morgan.

Tree—Morgan, 12 in.
Seat—Full.
Stirrup Leathers—¾ in.
Tie Straps—¾ in.
Stirrups—Wood.
Girths—3 in., cotton back band.

No. 195-H—W't about 8½ lbs., each .....**J F C J** $10.50

BOYS' OR GIRL'S.

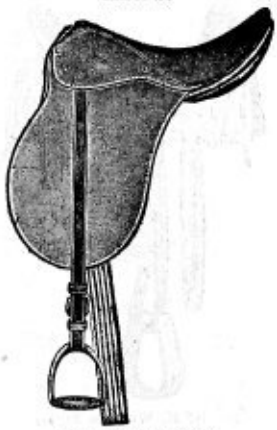


No. 199-H, Boys' or Girl's.

Tree—11 in., Morgan.
Seat—Full, calfskin quilted.
Cantle—Bound.
Stirrup Leathers—⅞ in.
Billets—1 in.
Girth—Corded ring.
Stirrups—½ in., wood, hooded.

No. 199-H—W't 6¼ lbs., each .....**J F I J** $11.50

MEN'S.



English Cut Back.

Tree—15½ in., English cut back.
Skirts—Hog skin impression.
Seating—Plain pig skin.
Pad—Sheep skin and heavy linen.
Stirrup Leathers—1 in.
Girth—Corded, buckle.
Stirrups—Iron.

No. 352H—W't 10½ lbs., each .....**J H G J** $14.50

MEN'S.



No. 214-H, McClellan, Black Leather.

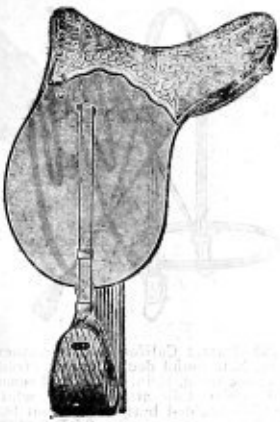
Tree—McClellan, with brasses and man tle straps, 14 in.
Seat—Perforated.
Stirrup Leathers—1 in.
Tie Straps—1 in.
Girth—Corded, ring, to tie.
Stirrups—3 in., wood, with boots.

No. 214-H—W't 9 lbs., each .....**J I C J** $13.50

Carry a line of goods on which you can rely. Our reputation founded on over half a century's business stands back of the CVB brand.

RIDING SADDLES AND BRIDLES.

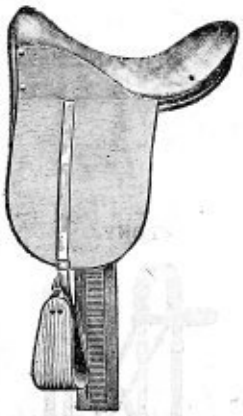
MEN'S SADDLES.



Kentucky Stitch Down.

Tree—Kentucky stitch down, 16 in.
Skirts—Hog skin, impression.
Seating—Calf skin, silk stitched, hand raised.
Pad—Sheep skin and osnaburg.
Stirrup Leathers—1 in.
Girth—Corded, buckle.
Stirrups—4 in. wood.

No. 323H—W't 17 lbs., each .....**J I F J** $13.50

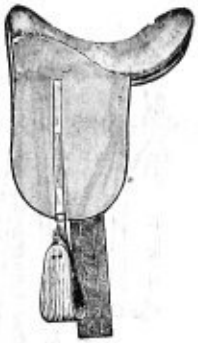


Somerset, Fair Leather.

Tree—15½ in., Somerset.
Skirts—Hog skin impression.
Seating—Kip.
Pad—Enamel cloth.
Stirrup Leathers—⅞ in.
Girth—Fancy cotton, buckle.
Stirrups—2½ in., wood.

No. 368-H—W't 7½ lbs., each **D E J** $6.60

MEN'S SADDLES.



No. 370H, Somerset Fair Leather.

Tree—15½ in., Somerset.
Skirts—Hog skin impression.
Seating—Kip.
Pad—Enamel cloth.
Stirrup Leathers—⅞ in.
Girth—Fancy cotton, buckle.
Stirrups—2½ in., wood.

No. 370-H—W't 7½ lbs., each **C I J** $6.00

BOYS'.

No. 374H, Somerset.

Tree—Somerset, 13½ in.
Seating—Kip.
Pad—Sheep skin, osnaburg lined.
Stirrup Leathers—⅞ in.
Girth—Cotton.
Stirrups—Wood.

No. 374-H—W't 6½ lbs., each **C H J** $5.90

All of our Saddles are made by skilled workmen from select stock and are correct in design and finely finished. Send us your mail orders and be convinced that we are offering the best Saddles on the market for the money.

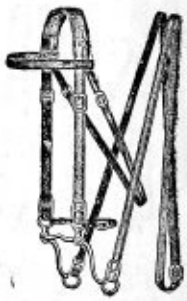
RIDING BRIDLES.



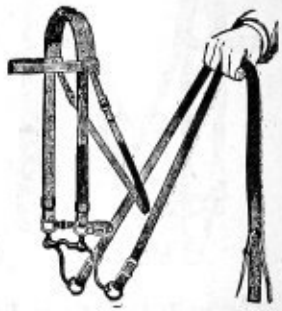
CX Plate Trimmed, Flat, Solid Crown with Bit.

No. 202R—¾ in., russet, per dozen .....**A J J J** $17.30

No. 203R—⅞ in., russet, per dozen .....**A A B E** 19.40



No. 212—¾ in., XC trimmed, russet leather, flat, solid crown, with bit, per dozen .....**A C B J** $20.30



Russet Leather, XC Trimmed, Double Head Stall, 5 Foot Quirt Reins to Buckle, with Bit.

No. 220—¾ in., per dozen **A E F J** $24.10
No. 221—⅞ in., per dozen **A G D J** 27.10
No. 222—1 in., per dozen **A I B J** 30.00

BRIDLES.

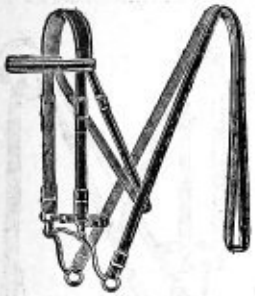
RIDING.



No. 233—Nickeled trimmed oiled skirting, scalloped head stall, 2 in. tapered to ⅜ in., spotted with conchas, sewed laps, 6½ ft. quirt reins to loop, without bit .....per dozen **CJFJ** $53.00



No. 240—Russet leather headstall 2½ in. tapered to 1 in., band stamped, 7 ft. quirt reins to loop, nickel conchas and nickel swedge buckles without bit .....per dozen **CDFJ** $39.90



Black Leather, XC Plate Trimmed, Flat, Solid Crown, With Port Bit.

No. 209—¾ in., 4½ ft. reins, per dozen .....**JHHJ** $16.00

No. 210—¾ in., 5½ ft. reins, per dozen .....**JIIJ** 18.00

RIDING.

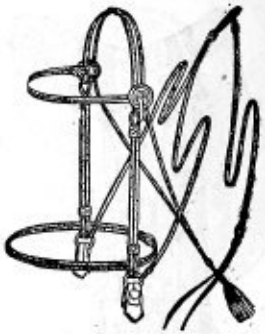


No. 223—⅜ in., XC trimmed, yellow latigo double head stall, 6½ ft. quirt reins to loop, without bit, per dozen .....**AHJJ** $26.00



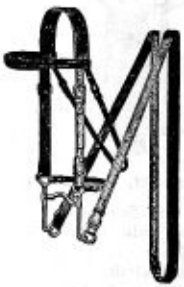
No. 228—⅜ in., nickel trimmed, russet leather, flat, solid crown, 6½ ft. quirt reins to loop, without bit, per dozen .....**BJHJ** $36.00

RIDING.



No. 260—Russet California oak leather, ⅜ in. half round double cheeks, front and nose band, ½ in. half round romal with quirt tail attached, 13 white rawhide braided buttons, without bit, per dozen .....**CDDJ** $59.50

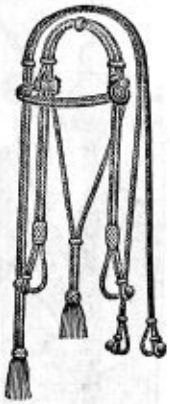
PONY.



No. 415—Russet leather, ¾ in. cheeks, solid crown, 4 ft. reins, nickel buckles, with bit ...per dozen **BAHJ** $36.30

BRIDLES, REINS, HAT BANDS, CUFFS, ETC.

RIDING BRIDLES.



No. 245—Mexican cowboy style, russet leather, 4 plait, double cheeks and front, adjustable crown, 9 slide loops and 15 buttons, without bits, per dozen .....**BHCJ** $57.20



No. 248—Mexican cowboy style, solid leather filling, best latigo leather, 8 plait, double cheeks and front separate braided billets in cheeks and reins, adjustable crown, 9 slide loops and 19 buttons, romal and quirt tail attached...per dozen **JGHGJ** $131.20

CURB STRAPS.



Russet Leather.

No. 20—½ in., XC buckles, per dozen .....**AAJ** $1.80

CURB CHAINS AND HOOKS.



Chains with Hooks, Fine Nickel.

No. H18—8 in. long, 18 links, w't per doz. 2 lbs. .....per dozen **BGJ** $4.50

ONE DOZEN IN A BOX.

Hooks Only.

No. 100—1⅝ in. nickel plated, w't per doz. ½ lb. .....per dozen **DB** $0.70

LOOSE.

RIDING BRIDLE REINS.



No. 460.

No. 451—Russet leather, ⅞ in. wide, 4½ ft. long, XC buckles, per dozen .....**JGJJ** $11.70

No. 460—Russet leather, quirt reins, ¾ in. wide, 6½ ft. long, to loop in bit, per dozen .....**JIIJ** $16.50

No. 461—Russet leather, quirt reins, ¾ in. wide, 6½ ft. long, to loop in bit, per dozen .....**AJHJ** $18.00

RUSSET HAT BANDS.



No. 80—⅛ in. plain oval, per dozen .....**AAE** $1.90



No. 82—⅞ in. pinked edge and embossed .....per dozen **BJJ** $3.30



No. 84—Two ⅛ in. plain oval strands with two braided sliding buttons, per dozen .....**BJE** $1.40

RUSSET HAT BANDS.



No. 87—⅞ in., embossed flower design, per dozen .....**BGJ** $4.50



No. 88—⅝ in., with fancy eyelet spots, per dozen .....**BGJ** $4.50

RUSSET LEATHER CUFFS.



No. 50. No. 52.

No. 50—6 in., embossed border, per dozen pairs .....**EHJ** $9.70

No. 52—6 in., embossed flower, per dozen pairs .....**JGEJ** $12.50



No. 54. No. 55.

No. 54—6 in., embossed flower, per dozen pairs .....**JHGJ** $14.50

No. 55—6 in., embossed fancy, per dozen pairs .....**JIFJ** $16.00



No. 60.

No. 60—7 in., hand stamped basket designs....per dozen pairs **AADE** $19.10

SPUR STRAPS, LARIATS, CHAPAREJOS, ETC.

SPUR STRAPS.



No. 10—Black leather, designed for all styles of slotted heel spurs, per dozen pairs .....**JHJ** $1.40



No. 16.



No. 18.

No. 16—Eureka, black leather, for our Nos. 693 and 3 spurs, per dozen pairs .....**BAE** $3.20

No. 18—O. K., black leather, for our Nos. 585, 685, 1176½ and 1178 spurs, per dozen pairs .....**BAE** $3.20



No. 20.



No. 22.

No. 20—Russet leather, stamped, designed for all styles one button spurs, without chains, per dozen pairs .....**BFE** $4.80

No. 22—Russet leather, stamped, designed for all styles one button spurs, with chains, per dozen pairs .....**DBE** $7.70



No. 24.



No. 25.

No. 24—Russet leather, stamped, designed for all styles one button spurs, with chains, per dozen pairs .....**DDJ** $8.00

No. 25—Russet leather, plain stamped rosettes, designed for all styles one button spurs, with chains, per dozen pairs .....**DDJ** $8.00



No. 26.



No. 27.

No. 26—Russet leather, embossed, with stamped rosette, designed for all styles of one button spurs, with chains, per dozen pairs **JEEJ** $10.00

No. 27—Russet leather, hand stamped, designed for all styles of one button spurs, with chains, per dozen pairs .....**JEEJ** $10.00

FOR SPURS SEE PAGES 1337 AND 1338.

SPUR STRAPS.



No. 30—Russet leather, embossed, with cinchas, designed for all styles one button spurs, with chains, per dozen pairs .....**JFIJ** $12.50



No. 23—Russet leather, embossed, designed for all styles of one button spurs, with chains, per dozen pairs .....**CHE** $7.00

FOR SPURS SEE PAGES 1337 AND 1338.

SADDLE STRINGS.



No. 830—½ in. latigo leather, 6 ft. long, per dozen .....**BAJ** $3.00

LARIATS.



BLACK JACK, ¼ Inch Diameter, Four Cord, Brass Egg Shaped Honda.

No. 35—35 ft. long, plain, w't per doz. 30 lbs. .....per dozen **AAAJ** $16.50
No. 40—40 ft. long, plain, w't per doz. 35 lbs. .....per dozen **ABEE** $18.00

Black Jack lariat rope is made from the finest grade of selected manila fibre, which is laid up and twisted very hard, especial care being given to the finish that will insure its running smoothly through the polished brass honda, which is placed in on one end. The other end of the rope has a Matthew Walker knot and 8 in. tassel.

ONE DOZEN IN A BALE.

CHAPAREJOS.



No. 9.

No. 10—Soft boarded chaparejos leather, flesh side out, 4 in. flaps, snap and ring fastenings, per pair★ .....**JIFE** $17.50

No. 9—Tan color glove leather, waterproof, wide laced and fringed legs, per pair★ .....**AAEE** $21.00



No. 11—Genuine bronze color Angora fronts, canvas lined, soft tan color backs, basket stamped belt, per pair★ .....**AEIE** $29.00

When ordering give waist and inside leg measurements.

★*FOR FACTORY SHIPMENT ONLY.*

STIRRUPS.

LEATHER TREAD.



No. 91—Iron, leather covered, 3 in. wide at bolt, w't per doz. prs. 30 lbs., per dozen pairs .....**AEHJ** $28.70



No. 93—Improved Turner, XC plate malleable iron, 3¼ in. bar spread, laced skirting leather tread, w't per doz. prs. 33 lbs., per dozen pairs .....**AGFJ** $32.00

HOODED STIRRUPS.



No. 20—Boys', 2 in. wood, russet leather covered, w't per doz. prs. 12 lbs., per dozen pairs .....**JGGJ** $14.00

No. 30—Men's, 3 in. wood, russet leather covered, w't per doz. prs. 16 lbs., per dozen pairs .....**ABAJ** $22.00



No. 40—Men's, 4 in. Texas wood, russet leather covered, w't per doz. prs. 24 lbs., per dozen pairs **AFEJ** $30.00

IRON STIRRUPS.



No. 842—Men's, XC plate, 3¼ in. wide at tread, 1¼ in. loop, w't per doz. prs. 10 lbs., per dozen pairs **BDJ** $4.40



No. 897—PG Stockmen's, XC plate, 3 in. wide at bolt, w't per doz. prs. 26 lbs. ..per dozen pairs **JFHJ** $11.90

ONE-HALF DOZEN PAIRS IN A BOX.

WOOD STIRRUPS.



Common Wood.

No. 2½—Men's, 2½ in. tread, w't per doz. pairs 9 lbs., per dozen pairs .....**AGE** $1.70

No. 3—Men's, 3 in tread, w't per doz. prs. 10½ lbs., per doz. prs. **AHE** $1.80



Sawed Texas.

Nos.	4	5
Width of tread, in.	4	5
W't per doz. prs., lbs.	18	24
Per dozen pairs	$2.20	2.40
	BBJ	**BEJ**



Visalia Pattern, Brass Bound, Extra Heavy, Best Selected White Ash, Very Durable and Finely Finished ½ Inch Thick, 5¼ Inches Deep, 5½ Inch Spread, ¾ Inch Galvanized Iron Roller.

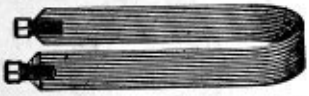
Nos.	52-B	52½-B
Width of top, in.	3	3
Width of tread, in.	2	2½
W't per doz., prs., lbs.	18	24
Per dozen pairs	$16.00	18.00
	AAJE	**ABJJ**

GIRTHS AND CINCHAS.

BUCKLE GIRTHS.



No. 40—2½ in. fancy cotton, 42 in. long, 1¼ in. buckles, w't per doz. 3½ lbs.....per dozen **ADJ** $2.36



No. 46—10 cord, fancy cotton, 42 in. long, 1¼ in. buckles, w't per doz. 4½ lbs.....per dozen **AHJ** $3.00

No. 48—11 cord, fancy cotton, 42 in. long, 1¼ in. buckles, w't per doz. 5¼ lbs.....per dozen **BJE** $3.40

No. 50—16 cord, fancy cotton, 42 in. long, 1¼ in. buckles, w't per doz. 7 lbs.....per dozen **BIJ** $4.84

RING GIRTHS.



No. 26—11 cord, fancy cotton, 28 in. long, 2 in. ring, w't per doz. 5 lbs., per dozen .....**AFJ** $2.76

TEXAS STRING CINCHAS.



White Cotton, One Fancy Colored Bar.

No. 319—15 strand, 30 in. long, w't per doz. 6 lbs.....per dozen **BAE** $3.60

No. 322—20 strand, 30 in. long, w't per doz. 7 lbs.....per dozen **BDJ** $4.00

No. 326—20 strand, 36 in. long, w't per doz. 8 lbs.....per dozen **CAJ** $5.20

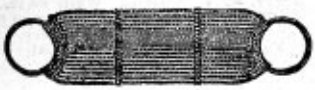
TEXAS HAIR CINCHAS.



Soft Gray, One Fancy Colored Bar.

No. 309—20 strand, 30 in. long, w't per doz. 8 lbs.....per dozen **BHJ** $4.70

CALIFORNIA HAIR CINCHAS.



No. 198—California strand, soft gray hair, two bars across cincha, 16 strand, 30 in. long, w't per doz. 8 lbs.....per dozen **CCJ** $5.50

CALIFORNIA HAIR CINCHAS.



No. 99—California strand, soft gray hair, three bars across cincha, 20 strand, 30 in. long, w't per doz. 9 lbs.....per dozen **EGE** $9.60

MEXICAN STRING CINCHAS.



Soft Gray Hair.

No. 369—5 in. wide, 30 in. long, w't per doz. 9 lbs.....per dozen **BHJ** $4.70

SOLID HAIR CINCHAS.



Solid, Soft Gray Hair.

No. 420—5 in. wide, 30 in. long, w't per doz. 8½ lbs....per dozen **BHJ** $4.70

SOLID COTTON CINCHAS.



No. 432—Solid fancy colored cotton, 5 in. wide, 30 in. long, w't per doz. 9 lbs.....per dozen **CHE** $6.40

CALIFORNIA COTTON CINCHAS.



No. 242—California strand, white cotton, extra hard band laid, two colored bars across cincha, 20 strand, 6 cord, 30 in. long, w't per doz. 10 lbs.....per dozen **JGDE** $12.40

FISH CORD CINCHAS.



Extra Hard Laid Fish Cord, California Strand, Two Bars Across Cincha.

No. 263—30 strand, 30 in. long, w't per doz. 7½ lbs.....per dozen **EGE** $9.60

No. 255—58 strand, 30 in. long, w't per doz. 9 lbs....per dozen **JFGJ** $11.20

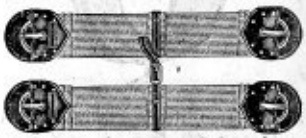
★*FOR FACTORY SHIPMENT ONLY.*

CALIFORNIA HAIR CINCHAS.

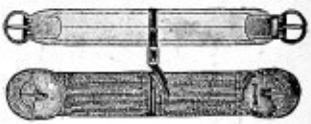


No. 160—California strand, gray hard hair, two bars across cincha, 16 strand, 4 cord, 30 in. long, w't per doz. 10 lbs...per dozen **JGBJ** $12.00

CONNECTED CINCHAS.

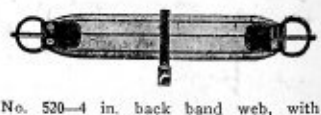


No. 500—Texas soft, gray hair, front and flank, 20 strand, connected and leathered, w't per doz. 20 lbs., per dozen .....**AIBJ** $32.00



No. 510—Extra hard laid fish cord, California strand, two bar front with 3½ in. belt web flank, 58 strand, connected and leathered, w't per doz. 18 lbs.....per dozen **BBHJ** $38.00

FLANK CINCHAS.



No. 520—4 in. back band web, with center buckle piece, w't per doz. 12 lbs.....per dozen **AJBJ** $17.00

TEXAS STRING GIRTHS.



Genuine Mohair.

Two Stuck Bars, Japanned Ring, W't Per Doz. 9 Lbs.

No. 336—11 strand, per doz. **JGBJ** $12.00

No. 337—12 strand, per doz. **JGEJ** 12.50

Brass plated ring, add per dozen★ .....**JIJ** 1.50

One brass plated tongue, per dozen .....**BE** .40

Two brass plated tongues, add per dozen .....**EJ** .80

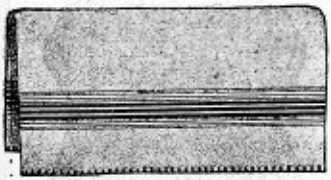
SADDLE BLANKETS.



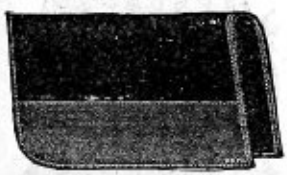
No. 101—Felt, pinked edge, 1 row braid, star in corner, assorted colors, size 23x34 in., w't per doz. 10 lbs., per dozen .....**FBE** $7.10



No. 102—Felt, pinked edge, 3 rows braid, star in corner, assorted colors, size 23x33½ in., w't per doz. 12 lbs., per dozen .....**GJJ** $9.40



No. 75—Folded, gray tinged with red, extra heavy cotton warp with heavy wool filling, fancy gold, white, green and red striped border, size 34x68 in., w't per doz. 36 lbs., per dozen .....**AJHJ** $18.00



No. 510—"Cruso," seal brown, long staple wool, carried through double burlap, specially perforated, 7 in. brown duck facing, whipped edges, 26x34 in., w't per doz. 24 lbs., per dozen .....**AJBJ** $17.00

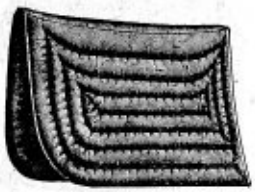


No. 130—Gray graduated felt, shaped, size 23x36½ in., w't per doz. 21 lbs., per dozen .....**AACJ** $18.80

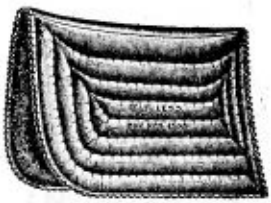


No. 150—Pure soft gray hair, fancy stripe, for hard and constant riders, will shape itself to the horse's back, will not gall animal if kept clean, size 27x36 in., w't per doz. 35 lbs., per dozen .....**ADDJ** $18.80

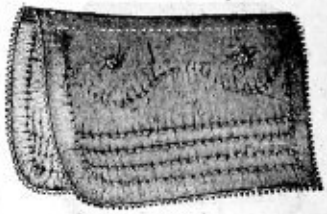
No. 151—Size 30x40 in., w't per doz. 42 lbs., otherwise same as No. 150, per dozen .....**AHJJ** $23.80



No. 120—Old gold drill, felt edges, stuffed and quilted, size 26x32 in., w't per doz. 36 lbs. .....per dozen **EDJ** $8.50



No. 122—Old gold drill, pinked felt edges, stuffed and quilted, size 26x34 in., w't per doz. 46 lbs., per dozen .....**JFFJ** $10.10



No. 124—Top heavy blue drill, under side fawn felt, pinked felt edges, stuffed and quilted, size 26x34 in., w't per doz. 34 lbs., per dozen .....**AAEJ** $19.20



No. 600—Ventiplex, gray, whipped edge, reinforced with tan paraffine army duck, size 23x35 in., w't per doz. 35 lbs. .....per dozen **ABFJ** $21.00

No. 610—Ventiplex, large size, gray, whipped edges, reinforced with tan paraffined army duck, size 25x35 in., w't per doz. 37½ lbs., per dozen .....**ACHJ** $23.00



No. 720—Ventiplex, California, blue, whipped edges, reinforced with tan paraffined army duck, size 35x32 in., w't per doz. 47½ lbs., per dozen .....**AIHJ** $33.00

LAP DUSTERS.



No. 6900-H—Momie, olive and white mixture, diamond weave, plain fringe, size 48x60 in.....each **BG** $0.46



No. 6905-H—Momie, black and gold mixture, autumn leaf weave, green, white and brown end borders, looped fringe, size 48x62 in....each **EE** $0.96



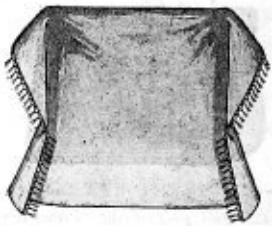
No. 6908-H—Momie, cherry and white lattice effect, fancy green, cherry and old gold end borders, knotted fringe, size 48x60 in.....each **JFB** $1.06



No. 6801-H—Momie, lemon and gold mixture, red, green and gray border all around, plain fringe, size 48x60 in., each .....**DB** $0.70



No. 6906-H—Momie, blue and gray mixture, rosette weave, wide blue and gold wreath end borders, looped fringe, size 48x60 in., each **EG** $0.96



No. 6912-H—Momie, English momie weave, all drab, knotted fringe, size 48x60 in.....each **JFE** $1.10



No. 6902-H—Momie, wine colored ground, circle design, white, old gold and red striped border all around, knotted fringe, size 48x60 in., each .....**DH** $0.80



No. 6915-H—Momie, gray and brown zigzag weave, gray and brown wide striped and diamond weave end borders, knotted fringe, size 48x60 in., each .....**EG** $0.96



No. 6910-H—Momie, mottled brown and old gold cross-bar pattern, wide fancy white and brown end borders, looped fringe, size 48x60 in., each **JGE** $1.26



No. 6904-H—Momie, black and white mixture, diamond weave, brown and old gold striped end borders, knotted fringe, size 48x60 in....each **EE** $0.90



No. 6907-H—Momie, plain drab, knotted fringe, size 48x60 in..each **JFJ** $1.00



No. 6916-H—Momie, orange and white, trailing vine in center, wide fancy end borders, size 48x60 in., each .....**JHJ** $1.30

LAP DUSTERS.



No. 6917-H—Momie, green, white and wine mixture, lattice weave, fancy striped end borders, knotted fringe, size 48x60 in.....each **JHJ** $1.30



No. 6938-H—Momie, brown and white small figured ground, embroidered branch of shaded brown half roses in outline, dog head end borders, looped fringe, size 48x60 in..each **JHJ** $1.30



No. 6940-H—Momie, ecru, fancy weave, embroidered American beauty rose and branch, fancy end borders, looped fringe, size 48x60 in..each **JHJ** $1.30



No. 6941-H—Momie, green and old gold lattice effect, embroidered stem and daisy, fancy end borders, knotted fringe, size 48x60 in..each **JHE** $1.40



No. 6925-H—Momie, white and blue ground, large peacock panel center, all around fancy border, knotted fringe, size 48x60 in., each **JFH** $1.14



No. 6920-H—Momie, orange and mottled Japanese lattice effect, wide fancy gray and brown floral end borders, knotted fringe, size 48x60 in., each .....**JHE** $1.40

No. 6926-H—Momie, black and white small lattice effect, two horse head panel, knotted fringe, size 48x60 in., each .....**JIE** $1.56



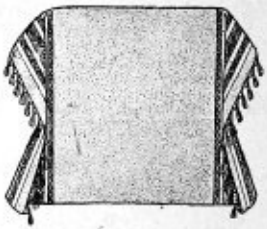
No. 6927-H—Momie, black and white small lattice effect, large horse head and lady surrounded with horse shoe wreath, knotted fringe, size 50x62 in., each .....**JIE** $1.60



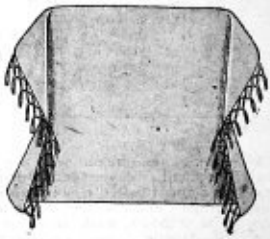
No. 6928H—Momie, black and white ground, lady, dog and children, knotted fringe, size 48x60 in., each .....**AJJ** $1.70



No. 6921-H—Momie, green and white all over diamond pattern, fancy end borders, knotted fringe, size 48x60 in., each .....**AJJ** $1.72



No. 6923-H—Momie, honey comb weave, plain drab, Grecian end borders, looped fringe, size 50x66 in., automobile size.....each **ABJ** $2.00



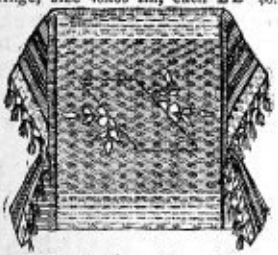
No. 6924-H—Momie, heavy, plain drab, knotted fringe, size 50x66 in., automobile size.....each **ADJ** $2.30

LAP DUSTERS.

MOMIE.



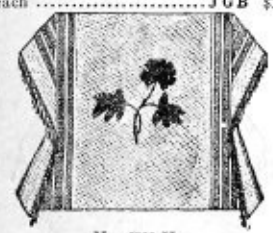
No. 6935-H—Momie, dark brown, small figured weave embroidered flower center, fancy all around border, knotted fringe, size 48x60 in., each **EE** $0.95



No. 6936-H—Momie, white and brown zigzag weave embroidered flower center, fancy border all around, knotted fringe, size 48x60 in., each **JFG** $1.12



No. 6937-H—Momie, cream colored with small lattice effect, fancy embroidered center, fern leaf and zigzag end borders, knotted fringe, size 48x60 in., each .....**JGB** $1.20



No. 6939-H.

No. 6939-H—Momie, cream and white, small diamond weave, embroidered leaves and green tufted flower center, fancy grape end border, knotted fringe, size 48x60 in., each **HE** $1.40

No. 6943-H—Momie, green and cream small diamond weave, embroidered Egyptian scroll center, fancy dog head border, knotted fringe, size 48x60 in.....each **AJJ** $1.70

MOMIE.

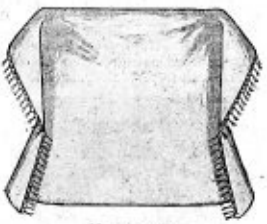


No. 6469-H.

No. 6469-H—Momie, plain cream color, raised stripe end border, Modern Woodmen of American center, knotted fringe, size 50x61 in., each **AAE** $1.90

No. 6950-H—Momie, black and cream fancy star weave, embroidered Brazilian beauty half wreath in silk, wide fancy end borders, knotted fringe, size 48x60 in.....each **ABJ** $2.00

LINEN.



No. 6966-H.

No. 6965-H—Plain linen, hemstitched, size 48x58 in. .....each **DH** $0.80

No. 6966-H—Plain linen, knotted fringe, size 48x60 in.....each **JIE** $1.62

No. 6969-H—Extra quality linen, panel end borders, hemstitched, size 48x66 in., automobile size, each .....**AJJ** $1.70

No. 6967-H—Extra quality, plain linen, hemstitched, size 50x62 in., each .....**AAJ** $1.80

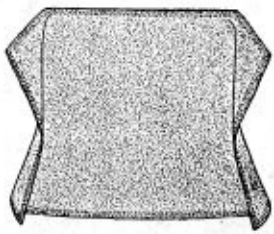
No. 6970-H—Extra quality plain linen, fancy drawn work and hemstitched, size 48x62 in.....each **AAE** $1.90

No. 6973-H—Plain linen, **auto size**, hemstitched, size 48x66 in., each .....**AHE** $3.10

WHIP CORD.



No. 6959-H—Tan whip cord, embroidered acorn center and corners, braid border all around, size 48x60 in., each .....**AJJ** $1.70

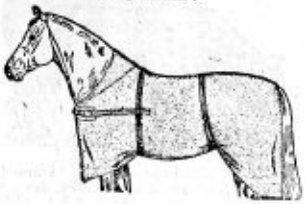


No. 6955-H—Printed imitation whip cord, hemmed, size 48x60 in., each .....**EE** $0.94

No. 6958-H—Heavy fine woven plain tan whip cord, 1 in. hem all around, size 48x60 in.....each **JIJ** $1.50

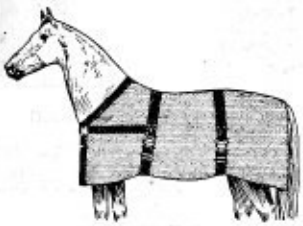
HORSE SHEETS AND COVERS.

HORSE SHEETS. BURLAP.



No. 7100H—Plain burlap, hemmed, two surcingles, short stay, strap fastening, 72 in. long .....each **JFE** $1.10

No. 7102H—Heavy burlap, hemmed, two surcingles, short stay, strap fastening, 76 in. long .....each **JGJ** $1.20



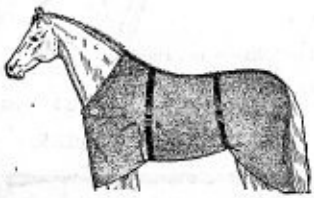
No. 7105H—Extra heavy brown and white herringbone weave burlap, red bound neck and breast, two wide surcingles, short stay and "stay on" fasteners, size 76 in., each **AAJ** $1.80

SHEETING.



No. 7103H—Bronze sheeting, hemmed, two surcingles, short red stay, clasp fastening, 72 in. long, each .....**JGE** $1.26

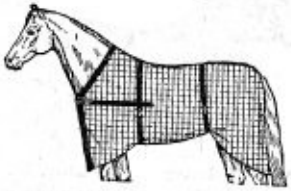
DUCK.



No. 7116H.

No. 7114H—Tan duck, blue bound neck and front, two surcingles, short stay, strap fastening, 76 in. long, each .....**AJE** $1.74

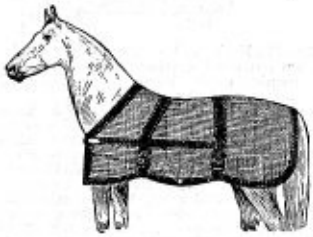
HORSE SHEETS. DUCK.



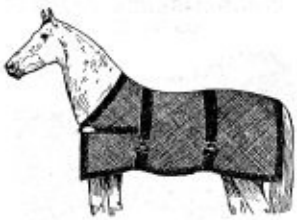
No. 7120H—Extra heavy wide bleached ground, fine blue check duck, white bound neck and front, two surcingles, short stay, size 76x26 in., each .....**ABE** $2.10



No. 7121H—Heavy fawn duck, blue neck and front, two surcingles, short stay, strap fastening, 76 in. long, each .....**AEE** $2.60

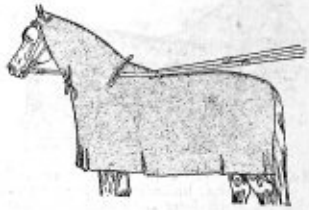


No. 7127-H—Extra heavy fawn duck, red bound all around, long stay, two wide surcingles, round rear corners, strap fastening, 76 in. long, each .....**AIJ** $3.20



No. 7128H—Extra heavy old gold, semi-ventilating, open corder weave, blue bound all around, two surcingles, short stay, size 76x26 in., each .....**BJE** $3.40

HORSE COVERS. BURLAP.



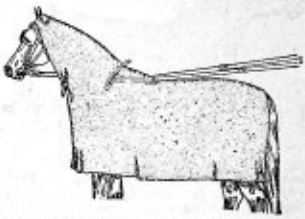
No. 7500H—Plain burlap, hemmed, duck trimmed, 90 in. long, each **EJ** $0.80

No. 7501H—Plain burlap, hemmed duck trimmed, 100 in. long, each **EJ** $0.86



No. 7503H—Fancy green striped burlap, duck trimmed, 90 in. long, each .....**EE** $0.90

No. 7504H—Fancy green stripe burlap, duck trimmed, 100 in. long, each .....**FJ** $0.96



No. 7507H—Extra quality heavy plain burlap, heavy duck trimmed, terret, hame and hame line ring holes, 100 in. long .....each **JFE** $1.10

No. 7608-H—110 in. long, otherwise same as No. 7507-H .....each **JGJ** $1.15

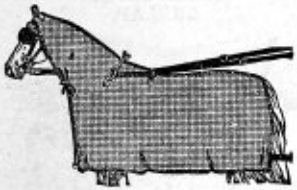
SHEETING.



No. 7509-H—Bright yellow sheeting, heavy duck trimmed, 100 in. long, each .....**EJ** $0.86

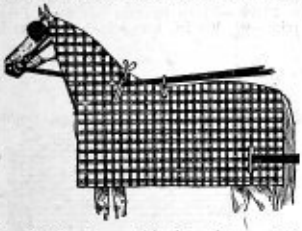
HORSE COVERS AND EAR TIPS, ETC.

VENTILATING.



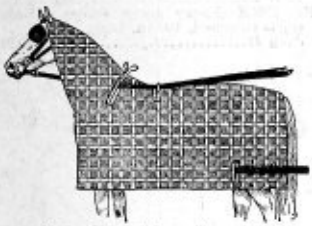
No. 7513H—Old gold netting, rawhide terret, hame, hame line ring and trace holes, 90 in. long .....each **EE** $0.92

No. 7514H—100 in. long, otherwise same as No. 7513H .....each **JFJ** $1.00



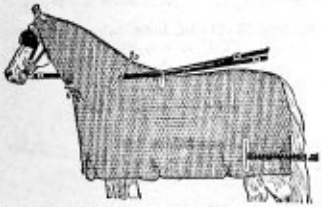
No. 7519H—Heavy black and tan checker board woven plaid, rawhide trimmed, 90 in. long ....each **JGE** $1.22

No. 7520H—100 in. long, otherwise same as No. 7519H .....each **JHJ** $1.32



No. 7522H—Old gold netting with tight woven plaid, rawhide terret, hame, hame line ring and trace holes, 90 in. long .....each **JGE** $1.24

No. 7523-H—100 in. long, othewise same as No. 7522-H .....each **JHJ** $1.30

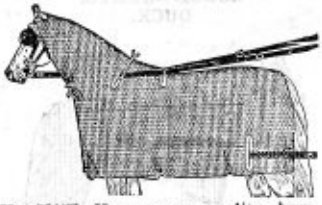


No. 7534H—Ecru netting, brussels weave, rawhide terret, hame, hame line ring and trace holes, 90 in. long, each .....**AJE** $1.76

No. 7535H—100 in. long, otherwise same as No. No. 7534H .....each **AAJ** $1.84

No. 7536H—110 in. long, otherwise same as No. 7534H .....each **ABJ** $2.00

VENTILATING.



No. 7544H—Heavy extra quality, brussels weave ecru netting, rawhide terret, hame, hame line ring and trace holes, 100 in. long ..each **ACJ** $2.18

No. 7545H—110 in. long, otherwise same as No. 7544H .....each **ADJ** $2.32

No. 7547H—Heavy ecru netting, brussels weave, rawhide terret, hame, hame line ring and trace holes, 100 in. long .....each **ABJ** $2.04

No. 7548H—110 in. long, otherwise same as No. 7547H .....each **ACJ** $2.18

No. 7550H—Heavy 3 ply ecru netting, brussels weave, rawhide terret, hame, hame line ring and trace holes, 100 in. long, with corded face net, each .....**ACE** $2.26

No. 7551H—110 in. long, otherwise same as No. 7550H .....each **ADE** $2.40



No. 7557H—Heavy extra quality 3 ply hard twisted netting, brussels weave, rawhide terret, hame, hame line ring and trace holes, 90 in. long, each .....**ACJ** $2.16

No. 7558H—100 in. long, otherwise same as No. 7557H .....each **ADJ** $2.30

No. 7559H—110 in. long, otherwise same as No. 7557H .....each **ADE** $2.44

Chase's Genuine Brussels Covers.

No. 7565H—Old gold, leather trimmed, with trace holes, best horse cover made, 90 in. long ....each **ADE** $2.40

No. 7566H—Old gold, leather trimmed, with trace holes, best horse cover made, 100 in. long ..each **AEE** $2.58

No. 7567H—Old gold, leather trimmed, with trace holes, best horse cover made, 110 in. long ..each **AFE** $2.72

COMMON SENSE HORSE COVERS.



No. 7187H—Old gold, duck trimmed, 100 in. long .....each **AGJ** $2.80

The only cover made that protects the horse's breast.

COW SHEETS.



No. 7039—Plain brown duck, hemmed, with snap strap, 2 surcingles, length 55 in. .....each **AJJ** $1.70

No. 7040—Striped burlap, hemmed, with snap strap, 2 surcingles, length 55 in., each .....**AJJ** $1.70

EAR TIPS.



No. 8205H. No. 8210H.

No. 8205H—Plain white, per dozen .....**BEJ** $4.20

No. 8210H—Extra large shell border, black .....per dozen **JIIJ** $16.50

FLY JOWLS.



No. 8215H—Fancy sheeting, ear tips and tie strings .....each **BB** $0.40

HOODS.



No. 8220H—36 in., sheeting, each .....**DB** $0.70

No. 8221H—54 in., sheeting, each .....**EJ** .80

LEATHER NET LASHES.



No. 910—Round leather buggy, 7½ ft. long.....per 100 lashes **DBJ** $7.00

No. 920—Buff, wax upper leather, team, 7½ ft. long, per 100 lashes **EDJ** $9.00

HORSE COVERS, FLY NETS, ETC.

FACE NETS.



No. 8300-H—Woven bar, light green mesh, with scarlet trimmings, per dozen $2.50 **AEJ**



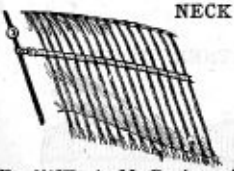
No. 8302H—All leather, split leather lashes .....per dozen **JIJ** $1.50
No. 8303H—A. M. P. double and stitched single web bar, hard twisted cotton cord lashes, per dozen **ABJ** $2.00

EYE AND NOSE NETS.



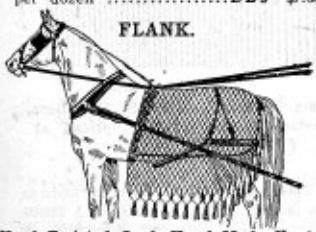
No. 8310H—A. M. P. double and stitched web bars, hard twisted cotton cord lashes ....per dozen **BAJ** $3.50

NECK NETS.



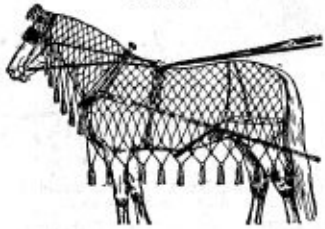
No. 8315H—A. M. P. three double and stitched web bars, 24 hard twisted cotton cord lashes, per dozen .....**DBJ** $7.00

FLANK.

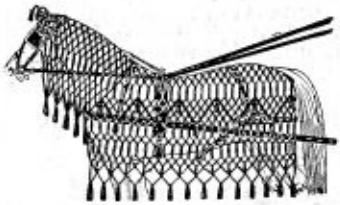


Hard Twisted Cord, Hand Made Knotted Nets with Braided Ends and Bands.
No. 8128H—Flank, white, large mesh, per dozen .....**AIBJ** $32.00

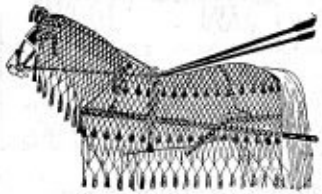
BUGGY, SHAFT, MESH TO HEAD.



No. 8208-H—Full size, strong cord, fancy woven back band, crimson and lemon body, white trimmings, per dozen .....**AAAJ** $18.50

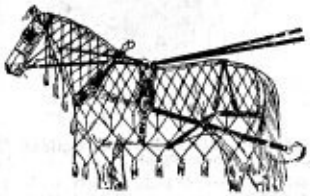


No. 8209-H—Fancy woven back band, fancy stripes, three rows tassels, black, light green and butternut, scarlet, black and scarlet trimmings, per dozen .....**ACBJ** $22.00



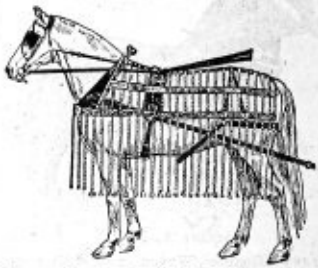
No. 8210-H—Full size, fancy woven back band, tan, light green and white, black, green and white trimmings, three rows of tassels, per dozen .....**ADDJ** $24.00

TEAM MESH.



No. 8230-H—Full size, heavy twine, heavy fancy woven back band, scarlet and white, black and white trimmings.....per dozen **AAAJ** $18.50

PATENT TEAM.

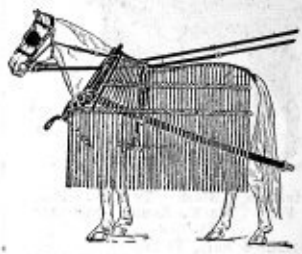


Heavy Fancy Braided Cotton Bars, 3-Ply High Grade Hard Twisted Cord Lashes Braided in Bars.
No. 8427-H—5 lemon and purple bars, 70 purple lashes, per dozen .....**BACJ** $35.50
No. 8428-H—5 lemon and purple bars, 100 purple lashes, per dozen .....**BGCJ** $45.50

Extra Heavy Fancy Braided Bars, 3-Ply Heavy Seine Twine Lashes.
No. 8432-H—5 red and white bars, 60 gold lashes..per doz. **BJGJ** $34.50
No. 8433-H—5 red and white bars, 70 gold lashes..per doz. **BCGJ** $39.50



Double Woven and Stitched Web Bars, Hard Twisted Cotton Cord Lashes.
No. 8141-H—5 orange bars, 60 orange lashes .....per dozen **AGGJ** $29.50
No. 8142H—5 brown bars, 70 butternut lashes .....per dozen **AIBJ** $32.00

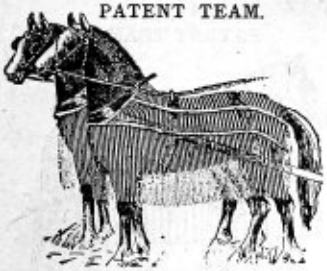


Genuine Wagner.
No. 8055H—5 double grain leather bars riveted with copper staples, sixty 7½ ft. hard twisted cotton lashes, extra leather breast strap stay, per dozen .....**BEBJ** $40.00

ALL PATENT TEAM NETS ON THIS PAGE, LASHES ARE GUARANTEED NOT TO SLIP THROUGH BARS.

FLY NETS.

PATENT TEAM.



Genuine A. M. P.

Heavy Double Woven and Stitched Web Bars, Heavy Hard Twisted Cotton Cord Lashes.

No. 8049H—5 brown bars, 60 butternut lashes .....per dozen **BBBJ** $37.00

No. 8050H—5 brown bars, 70 butternut lashes .....per dozen **BCDJ** $39.00

IMPROVED BOSS BUGGY, BODY AND BREAST.



Combination Black Leather Bars, 7¾ Feet, Black Round Shoelace Strings.

No. 8161H—5 bars, 60 lashes, per dozen .....**AFBE** 27.06

No. 8162H—5 bars, 75 lashes, per dozen .....**AHIJ** 31.50

IMPROVED BOSS BUGGY, FLANK.



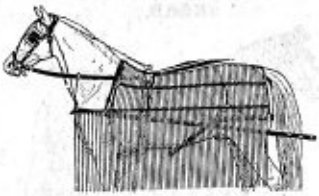
Combination Black Leather Bars, 7¾ Feet, Black Round Shoelace Strings.

No. 8165H—5 bars, 50 lashes, per dozen .....**ABDJ** $20.70

No. 8166H—5 bars, 60 lashes, per dozen .....**ACIJ** 23.20

No. 8167H—5 bars, 70 lashes, per dozen .....**AEGJ** 26.20

LEATHER BUGGY, BODY AND BREAST.



Fine Round Lashes, 5 Bars, Braided Ends, Body and Breast.

No. 8170H—5 bars, 50 lashes, 7 ft. long, per dozen .....**BJIE** $36.00

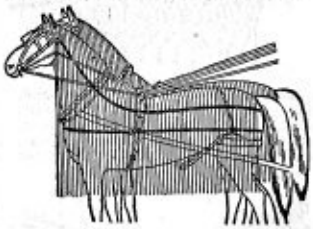
No. 8171H—5 bars, 60 lashes, 7 ft. long, per dozen .....**BCCE** $43.00

No. 8172H—5 bars, 75 lashes, 8 ft. long, per dozen .....**BGCJ** $49.00

No. 8173H—5 bars, 90 lashes, 8 ft. long, per dozen .....**CJIJ** $56.00

No. 8174H—5 bars, 100 lashes, 8 ft. long, per dozen .....**CCFJ** $60.00

LEATHER BUGGY, TO HEAD.

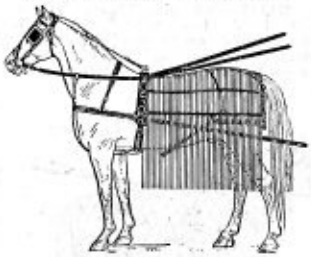


Fine Round Black Lashes, Whole Length to Head.

No. 8175-H—5 bars, 75 lashes, 7½ ft. long.....per dozen **BDIJ** $43.00

No. 8176H—5 bars, 80 lashes, 7½ ft. long, per dozen .....**BGFJ** $48.00

BUGGY LEATHER FLANK.



Fine Round Black Lashes, Braided Ends, Flank.

No. 8178H—5 bars, 60 lashes, 7½ ft. long, per dozen .....**BACJ** $38.50

No. 8179H—5 bars, 70 lashes, 7½ ft. long, per dozen .....**BDJJ** $43.50

LEATHER, EXPRESS.



Black, Round, Upper Leather Body and Breast.

No. 8180H—Five ½ in. bars, fifty 7¾ ft. lashes.....per dozen **BCAJ** $46.20

No. 8181H—Five ¾ in. bars, sixty 7¾ ft. lashes.....per dozen **BDCJ** $48.60

Black, Round, Upper Leather Body and Breast, Extra Quality.

No. 8182H—Five ½ in. bars, fifty 7¾ ft. lashes.....per dozen **CBDJ** $64.50

LEATHER, TEAM.



Russet Belting Leather Spliced Bars, Stapled Lashes, Lashes Spliced at Middle Bar.

No. 8184H—Five ½ in. bars, 50 lashes, per dozen .....**AJHJ** $18.00

No. 8184½H—Five ½ in. bars, 60 lashes, per dozen .....**ABJJ** $20.00

ALL PATENT TEAM NETS ON THIS PAGE. LASHES ARE GUARANTEED NOT TO SLIP THROUGH BARS.

HIBBARD'S REVONOC LIVE STOCK SPRAY.

A Scientifically Prepared Spray.

Insecticide—Disinfectant—Healing—Deodorant.



Disinfecting and Deodorizing a Chicken Coop.

REVONOC Live Stock Spray is a liquid preparation to protect cattle and horses from the torture of flies. It is a disinfectant and germicide.

There is nothing that worries a cow and retards the flow of milk so much as to be pestered and tortured with flies on hot summer days, and especially so at milking time. There is nothing quite so trying as to milk a cow when bothered with flies.

It is a well known and generally recognized fact that cows protected from flies give more milk and require less feed to keep up milk and fat.

REVONOC Live Stock Spray means a greater flow of milk, less sickness among cattle and greater comfort to both man and beast.

A Deodorant.

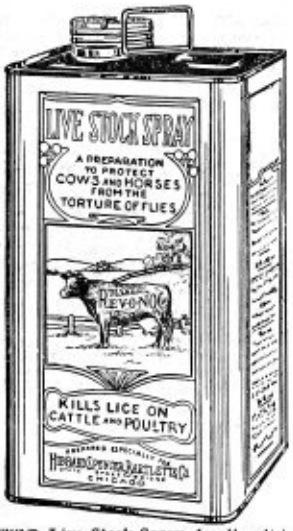
It does not simply replace one odor with another, but destroys the odors of decomposition by arresting the process and reducing the products to harmless and odorless compounds.

Contains No Coal Tar.

REVONOC Live Stock Spray contains no coal tar products or kerosene. Sprays made with these ingredients evaporate quickly and as they keep off the flies for only a short time, are really more expensive in the long run, as it is necessary to spray oftener.

Coal tar derivatives—largely carbolic acid—gum the hair and are poisonous, when licked off the body by the stock. Kerosene is irritating to skin and often causes the hair to come out.

REVONOC Live Stock Spray is not only a powerful insecticide, but has great disinfectant, healing and deodorant properties as well. The dealer handling a spray possessing so many uses, has a decided advantage from the selling stand-point over his competitors carrying an ordinary spray.



REVONOC Live Stock Spray, 1 gallon lithographed cans, packed 1 doz. in a case, gross w't 130 lbs., per dozen ..... JIJJ $15.00

½ Gal. Cans, w't per doz. cans 58 lbs., per dozen ..... EDJ $9.00

1 Qt. Cans, w't per doz. cans 29 lbs., per dozen ..... CCJ $5.50

TWO DOZEN IN A CASE.

A lithographed store sign and other attractive advertising matter inclosed in each case.

ECONOMIC VALUE

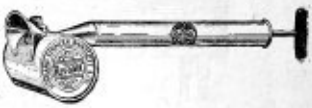
The proper use of REVONOC Live Stock Spray will prove to be of economic value as well as humane.

One gallon will care for twenty head of cattle for a month, a cost of about five cents a head. As a cow that is free from the fly pest will yield about 20% more than one that is so annoyed, it is a simple mathematical fact fact that the spray will pay for itself over and over again by the increased flow and betterment of the condition of the cattle.



Spraying a Cow with REVONOC Live Stock Spray.

HIBBARD'S REVONOC SPRAYERS.



No. 25H REVONOC—Plain tin, black wood handle, size of cylinders 18x1¼ in., size of reservoir 4½x4 in., funnel end, capacity 1 qt., length over all 26 in., w't per doz. 16 lbs., per doz. DCJ $7.80

No. 30 REVONOC—IX tin, painted red, otherwise same as No. 25H REVONOC, per dozen ..... DIJ $7.20

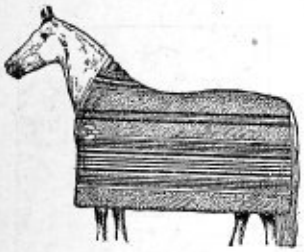
Made with exceptionally large air chamber. The conical end extends through the reservoir making the Sprayer very strong and compact. The funnel protects the discharge tube. This Sprayer produces a powerful, fine mist spray in any direction desired. Made special for spraying REVONOC Live Stock Spray.

THIS PRODUCT IS GUARANTEED UNDER THE U. S. INSECTICIDE ACT OF 1910.

HORSE BLANKETS.

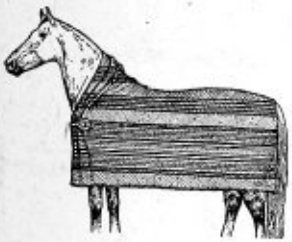
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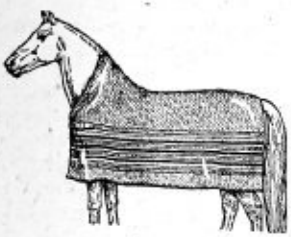


No. 3700—Gray and blue diagonal ground, crimson and olive plaid, size 72x74 in., w't 4 lbs., each **JFE** $1.10

No. 3901—Blue gray ground, orange, black and red striped heading, size 74x72 in., w't 3½ lbs., each **JIE** $1.60



No. 3702—Wine and gray alternate body stripes, green, red and black headings, size 74x76 in., w't 3½ lbs., each .....**JIJ** $1.50

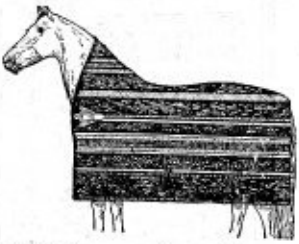


No. 3804—Slate hair and wool body, lemon, black, blue mixture and red headings, size 76x80 in., w't 5 lbs., each .....**ACJ** $2.20

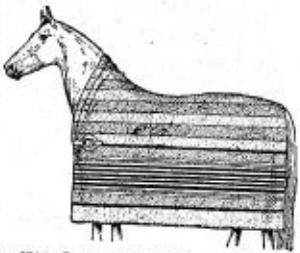
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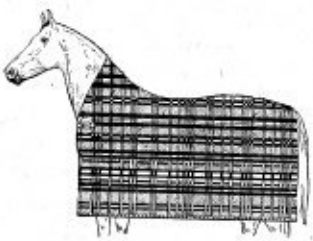
No. 3705—Gray ground, wine, light green and red body stripes, headings to match, size 80x84 in., w't 6 lbs., each .....**ACE** $2.30



No. 3707—Gray ground, navy blue, seal brown and white body stripes, wide headings to match, size 84x90 in., w't 6½ lbs. .....each **AFJ** $2.66

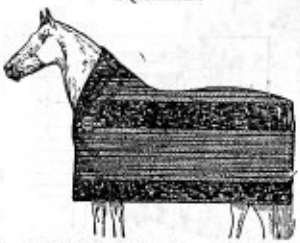


No. 3714—Light and dark gray alternate body stripes, red, white and lemon wide striped headings, size 84x90 in., w't 8 lbs. .....each **AHJ** $3.00

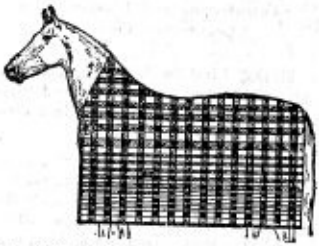


No. 3719—Brown and tan ground, gray, brown, orange fancy weave box plaid, size 80x84 in., w't 6 lbs., each .....**BJE** $3.40

SQUARE.



No. 3810—Navy blue ground, cherry, white, lemon, light blue and green wide body stripes, fancy wide striped headings to match, size 80x84 in., w't 6½ lbs. .....each **AGJ** $2.80



No. 3812—Black ground, red and wine fancy drop box plaid, size 80x84 in., w't 5½ lbs. .....each **AHJ** $3.00



No. 3906—Light brown ground, black, red and green striped heading, size 80x84 in., w't 6 lbs, each **AEJ** $2.50



No. 3908—Gray ground, light and dark brown, black body stripes, wide striped heading to match, size 84x90 in., w't 7½ lbs.....each **AHJ** $3.00



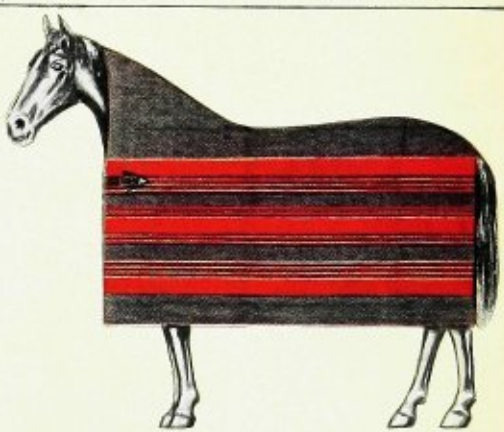
No. 3934—Wool ground, size 80x84 in., w't each 7½ lbs., each ..... **BGE** $5.00



No. 3933—Mixed wool ground, size 84x90 in., w't each 7½ lbs. ..... each **CAJ** $5.20



No. 3916—Size 80x84 in., w't each 6 lbs., each ..... **BAJ** $3.50



No. 3721—Size 84x90 in., w't each 7 lbs., each ..... **BDJ** $4.00



No. 3931—Mixed wool ground, size 84x90 in., w't each 7½ lbs. ..... each **BGE** $4.60



No. 3945—Double woven, size 84x90 in., w't each 7 lbs., each ..... **CIJ** $6.50

HORSE BLANKETS.

SQUARE.



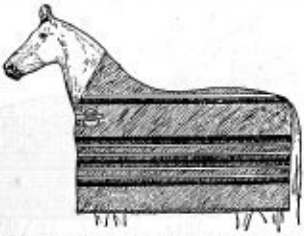
No. 3817—Mottled light and dark seal brown ground, narrow cherry body stripes, wide cherry striped headings, size 84x90 in., w't 8 lbs., each .....**BAE** $3.60



No. 3717—Brown gray mixed ground, red, black, green, lemon and wine body stripes, wide fancy striped headings to match, size 84x90 in., w't 7 lbs., each .....**BAJ** $3.50

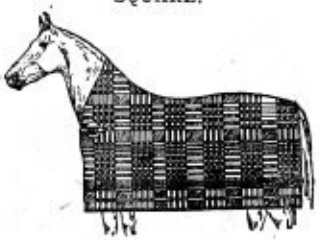


No. 3720—Garnet ground, lemon, wine, green, gray and black body stripes, fancy wide striped headings to match, size 84x90 in., w't 7 lbs., each .....**BAJ** $3.50

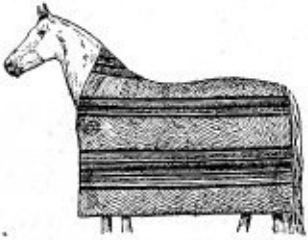


No. 3725—Hercules, red brown ground, red and orange body stripes, wide striped headings to match, large duck reinforcement to protect from shafts and hames, size 84x90 in., w't 8 lbs., each .....**BCJ** $3.80

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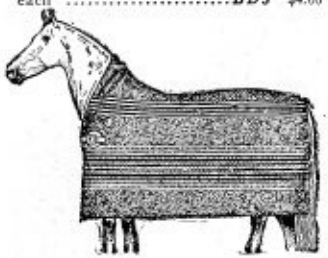
No. 3718—Orange and tan ground, red, green, brown, dark blue and white box weave plaid, size 80x84 in., w't 6¼ lbs. .....each **BJE** $3.40



No. 3726—Brown mixed ground, purple, white, red, black and yellow body stripes, headings to match, size 90x96 in., w't 9 lbs. ....each **BCE** $3.90



No. 3822—Steel gray ground, fancy white lemon, shaded brown and green body stripes, cherry, green, white and shaded brown wide striped headings, size 80x84 in., w't 8 lbs., each .....**BDJ** $4.00

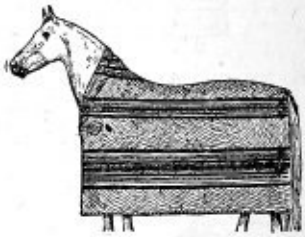


No. 3915—Brown wool ground, green, white and black body stripes, wide striped heading to match, size 84x90 in., w't 6 lbs.....each **BAE** $3.40

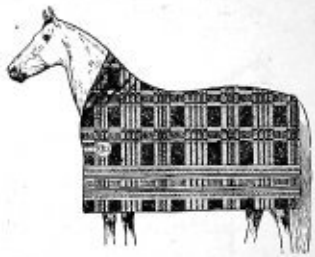
SQUARE.



No. 3916—Blue mixed ground, green, white and narrow body stripes, brown, black, green, white and purple wide striped heading, size 80x84 in., w't 6 lbs. .....each **BAE** $3.40



No. 3923—Silver gray ground, orange, brown, white and green body stripes, extra wide headings to match, size 84x90 in., w't 7 lbs....each **BGE** $4.60

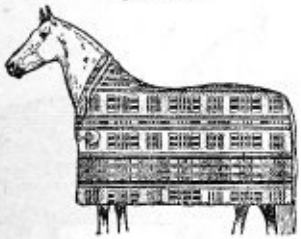


No. 3927—Brown, green, white and orange box plaid, fancy headings to match, size 80x84 in., w't 6 lbs., each .....**BCE** $3.90

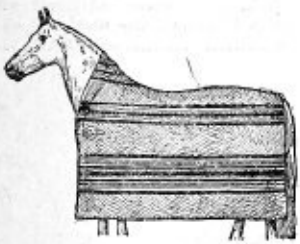
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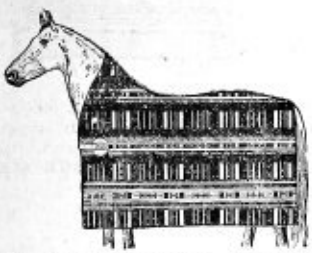
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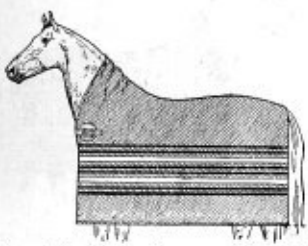
No. 3824—Blue ground, fancy green, brown, white, red and lemon drop box plaid, with wide headings, size 80x84 in., w't 6½ lbs., each **BCE** $3.90



No. 3828—Gray mixed ground, cherry, lemon and white body stripes, green, white, lemon and cherry wide striped headings, size 90x96 in., w't 9 lbs., each .....**BEJ** $4.20

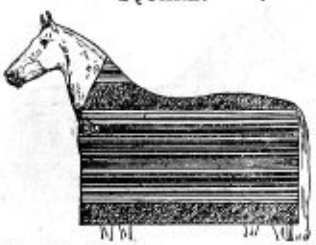


No. 3834—Double woven, blue gray ground, seal, brown and white drop box plaid, size 80x84 in., w't 6½ lbs., each .....**BGE** $4.10

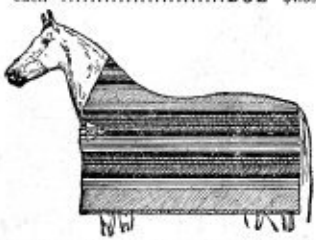


No. 3730—Blue silver ground, wide black, green and blue silver headings, size 90x90 in., w't 7½ lbs., each .....**BEJ** $4.20

SQUARE.



No. 3836—Plain fawn ground, cherry, black and seal brown fancy body stripes, wide fancy striped headings to match, size 80x84 in., w't 7¼ lbs., each .....**BGE** $4.60

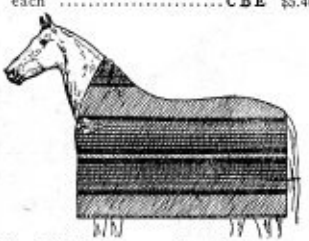


No. 3737—Wine ground, red, wine and black body stripes, extra wide fancy bar striped headings to match, size 80x84 in., w't 6 lbs., each **BHJ** $4.70

No. 3837—Gray ground, white and black body stripes, wide headings to match, size 80x84 in., w't 7¼ lbs., each .....**CJE** $5.10



No. 3839—Navy blue ground, fancy cherry, green, white and lemon drop box plaid, size 84x90 in., w't 7½ lbs., each .....**CBE** $5.40

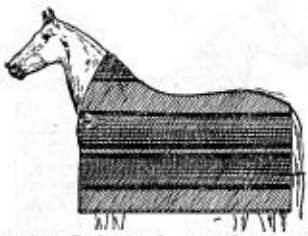


No. 3840—Red ground, white, orange, green, light blue and purple body stripes, fancy wide striped headings, to match, size 84x90 in., w't 7½ lbs., each .....**CBE** $5.40

SQUARE.



No. 3935—Blue wool ground, orange, lemon, gray, red, white and green wide body stripes, wide headings to match, size 80x84 in., w't 6 lbs., each .....**BIJ** $480



No 3940—Red wood ground, orange, black, red, white and green wide body stripes extra wide striped headings to match, size 80x84 in., w't 6 lbs., each .....**BIJ** $4.80



No. 3841—Blue black ground, green, light blue and white body stripes, fancy wide striped headings to match, size 84x90 in., w't 7½ lbs., each **CBE** $5.4(

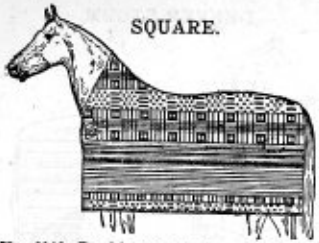


No. 3847—Block weave, fancy all over plaid pattern of orange, ground cherry white lemon and black, wide fancy headings to match, size 84x90 in., w't 7½ lbs. .....each **CFJ** $6.00

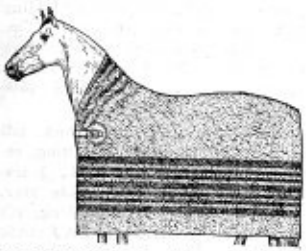
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HORSE BLANKETS.

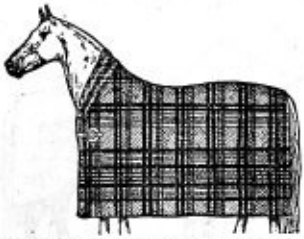
SQUARE.



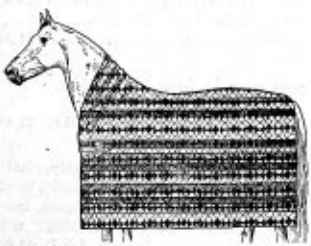
No. 3946—Double woven, brown ground, yellow, red, white, green and black plaid, size 84x90 in., w't 7 lbs., each .....**CCJ** $5.50



No. 3743—Plain mixed fawn wool, wide red and blue striped headings, size 90x96 in., w't 9 lbs. ..each **CEJ** $5.80

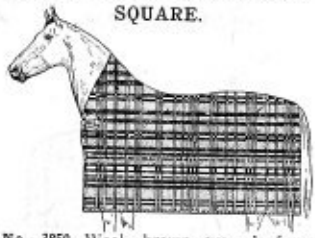


No. 3947—Brown ground, white, green, dark brown and red plaid, size 84x90 in., w't 7 lbs.....each **CFJ** $6.00

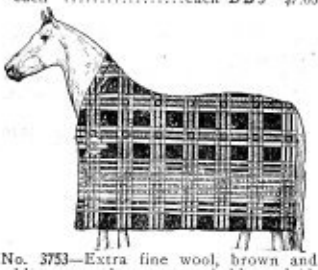


No. 3949—Jacquard weave, red and blue ground, green, orange, lemon, black and red body stripes, wide headings to match, size 84x90 in., w't 7 lbs., each .....**CFJ** $6.00

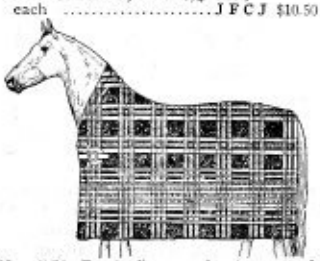
SQUARE.



No. 3850—Wool, brown ground, fancy plaid, size 84x90 in., w't 7 lbs., each .....each **DBJ** $7.00



No. 3753—Extra fine wool, brown and blue ground, green and blue plaid, size 84x90 in., w't 6¼ lbs., each .....**JFCJ** $10.50



No. 3756—Extra fine wool, vicuna and brown ground, navy blue, red, green and white fancy drop box plaid, size 84x90 in., w't 7¼ lbs., each .....**JHAJ** $13.50

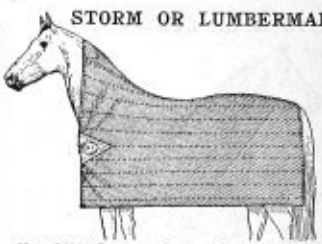
STORM OR LUMBERMAN.



No. 2513—Heavy brown duck, reversed plaid kersey lining, reinforced neck and front, 20 rows of quilting, adjustable snap, rawhide hame and trace leather, size 80x84 in., w't 10 lbs., each .....**CCJ** $5.60

No. 2514—Size 90x84 in., w't 10¼ lbs., otherwise same as No. 2513, each .....**CFJ** $6.30

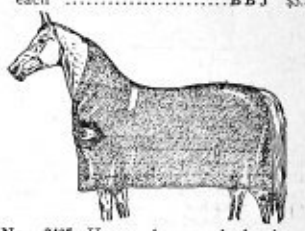
STORM OR LUMBERMAN.



No. 2400—Brown duck, blanket lining, 18 rows of quilting, adjustable snap fastener, rawhide hame and trace leathers, 80 in. long, w't 5¼ lbs., each .....**AHJ** $3.20

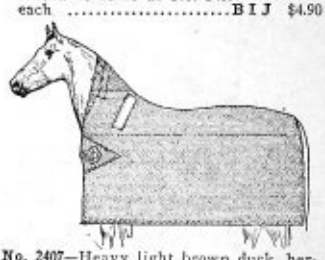


No. 2402—Heavy brown duck, fancy printed reversed kersey lining, 20 rows of quilting, rawhide hame and trace leathers, patent snap fasteners, size 80x84 in., w't 7 lbs., each .....**BBJ** $3.80



No. 2405—Heavy brown duck, heavy fancy printed reversed kersey lining, reinforced neck and front, 18 rows of quilting, leather snap straps, rawhide hame and trace leathers, size 80x84 in., w't 7 lbs.....each **BDJ** $4.20

No. 2406—Size 90x84 in., w't 7½ lbs., otherwise same as No. 2405, each .....**BIJ** $4.90



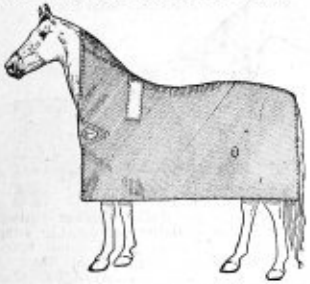
No. 2407—Heavy light brown duck, herringbone weave, fancy brown and black plaid, kersey lining, reinforced neck and front, patent fasteners, rawhide hame and trace leathers, size 80x84 in., w't 7½ lbs....each **BHJ** $4.60

No. 2408—Size 90x84 in., w't 8¼ lbs., otherwise same as No. 2407, each .....**CJJ** $4.90

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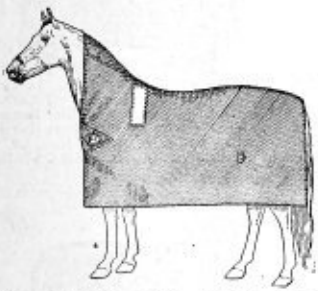
HORSE BLANKETS.

STORM OR LUMBERMEN'S.



No. 2418—Extra heavy brown waterproofed duck, gray blanket lining, patent fasteners, rawhide hame and trace leathers, size 80x84 in., w't 10 lbs.....each **CDJ** $5.80

No. 2419—Size 84x90 in., w't 10½ lbs., otherwise same as No. 2418, each .....**CIJ** $6.50



No. 2428—Waterproof triplex extra heavy brown duck, fancy striped wool lining, lining attached to duck by rubber composition, leather snap strap, rawhide hame and trace leather, size 80x84 in., w't 10 lbs., each .....**CHJ** $6.30

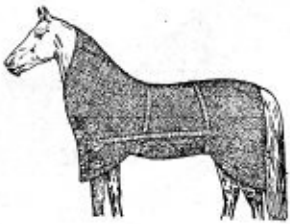
No. 2429—Size 90x84 in., w't 11½ lbs., otherwise same as No. 2428, each .....**DBJ** $7.00



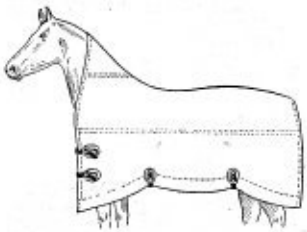
No. 2420—Extra heavy bird's-eye brown duck, green, gray and wide fancy plaid reversed kersey lining, reinforced neck and front, 22 rows of quilting, patent fasteners, rawhide hame and trace leathers, size 80x84 in., w't 11 lbs. ....each **CGJ** $6.50

No. 2421—Size 84x90 in., w't 12½ lbs., otherwise same as No. 2420, each .....**DJJ** $7.30

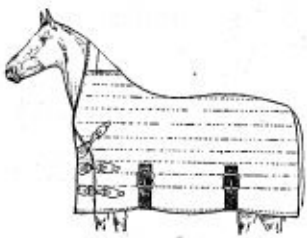
DENVER STORM.



No. 2150—Heavy brown duck, full reversed kersey lined, 20 rows of quilting, reinforced patent folding neck, three snap fasteners, two surcingles, 84 in. long, w't 7½ lbs., each .....**BDJ** $4.00

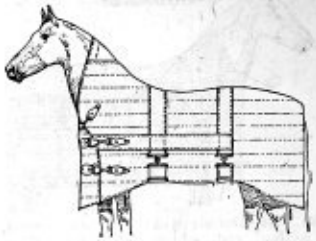


No. 2124—Heavy white duck, full fancy striped blanket lining, reinforced neck, over lapping front with two buckle straps, two 3¼ in. harness leather buckle belly straps, 76 in. long, w't 8 lbs. .....each **CJJ** $5.00



No. 2135—Extra heavy white duck, full kersey lined, 20 rows quilting, reinforced patent folding neck, three metal fasteners, two 1¼ in. harness leather buckle belly straps, 90 in. long, w't 11 lbs. ....each **DGJ** $7.80

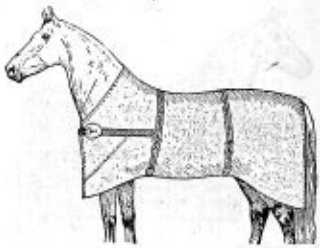
DENVER STORM.



No. 2130—Extra heavy white duck, full fancy plaid kersey lined, 20 rows quilting, reinforced patent folding neck, three metal fasteners, 2½ in. long white web stay, 2½ in. white web surcingles, 90 in. long, w't 10 lbs., each .....**CFJ** $6.00

No. 2134—Extra heavy white duck, full kersey lined, 20 rows of quilting, reinforced patent folding neck, 3 leather snap straps, long, wide stay, two wide surcingles, 90 in. long, w't 11½ lbs.....each **EAJ** $8.50

BURLAP, SHAPED.



No. 1810—Heavy mangle burlap, unlined, reinforced neck and front, short stay, two surcingles, leather buckle strap, 72 in. long, w't 3 lbs., each .....**JHJ** $1.30

No. 1811—76 in. long, w't 3¼ lbs., otherwise same as No. 1810, each .....**JHE** $1.40

No. 1812—Heavy mangle burlap, half wool lined, reinforced neck and front, short stay, two surcingles, leather snap strap, 72 in. long, w't 3¼ lbs. .....each **AAJ** $1.80

No. 1813—76 in. long, w't 3¼ lbs., otherwise same as No. 1812, each .....**AAJ** $1.90

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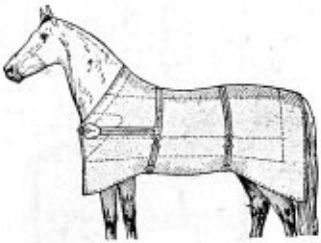
HORSE BLANKETS.

BURLAP, SHAPED.



No. 1850—Brown duck, half striped wool lined, short stay, two surcingles, snap fasteners, 72 in. long, w't 3¼ lbs., each ..... **AAJ** $1.90

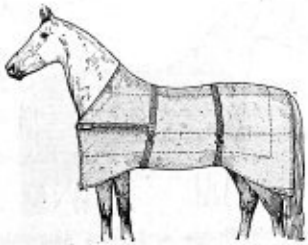
No. 1851—76 in. long, w't 3½ lbs., otherwise same as No. 1850, each ..... **AAE** $2.00



No. 1815—Heavy mangle burlap, three quarter wool lined, reinforced neck and front, short stay, two surcingles, leather snap strap, 72 in. long, w't 4 lbs..... each **AAE** $2.00

No. 1816—76 in. long, w't 4¼ lbs., otherwise same as No. 1815, each ..... **ABJ** $2.10

No. 1817—80 in. long, w't 4½ lbs., otherwise same as No. 1815, each ..... **ABE** $2.20

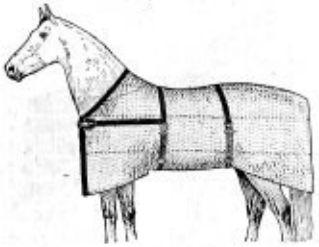


No. 1821—76 in. long, w't 5¼ lbs., otherwise same as No. 1820, each ..... **ADJ** $2.30

No. 1822—80 in. long, w't 5½ lbs., otherwise same as No. 1820, each ..... **ADE** $2.40

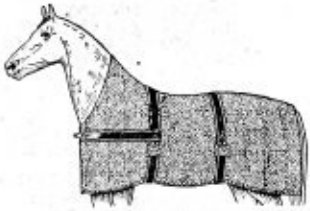
No. 1823—84 in. long, w't 5¾ lbs., otherwise same as No. 1820, each ..... **AEJ** $2.50

BURLAP, SHAPED.



No. 1826—Heavy mangle burlap, fancy printed wool lined, reinforced neck and front, short stay, two surcingles, snap fasteners, 76 in. long, w't 5¼ lbs., each ..... **AEE** $2.70

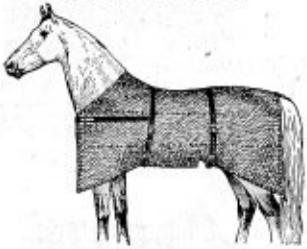
No. 1827—80 in. long, w't 6 lbs., otherwise same as No. 1826, each ..... **AFJ** $2.80



No. 1829—Fancy green printed burlap, with full printed woven lining, reinforced neck and front, short stay, two wide fancy surcingles, 76 in. long, w't 6 lbs. ..... each **AFJ** $2.70

No. 1830—80 in. long, w't 6¼ lbs., otherwise same as No. 1829, each ..... **AGE** $2.90

DUCK, SHAPED.

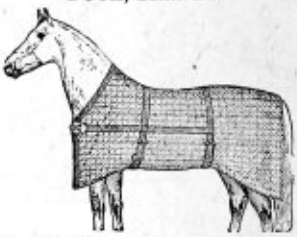


No. 1853—Brown duck, full striped wool lined, reinforced neck and front, short stay, two surcingles, 72 in. long, w't 3¼ lbs..... each **ABJ** $2.20

No. 1854—76 in. long, w't 4 lbs., otherwise same as No. 1853, each ..... **ABE** $2.30

No. 1855—80 in. long, w't 4¼ lbs., otherwise same as No. 1853, each ..... **ACJ** $2.40

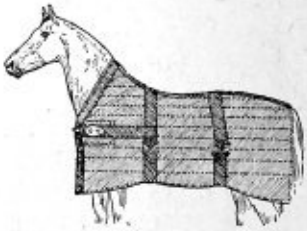
DUCK, SHAPED.



No. 1857—Heavy brown duck, full striped wool lined, quilted, bound neck and front, long stay, two surcingles, snap fasteners, 72 in. long, w't 4¾ lbs..... each **ADJ** $2.50

No. 1858—76 in. long, w't 5 lbs., otherwise same as No. 1857, each ..... **ADE** $2.60

No. 1859—80 in. long, w't 5¼ lbs., otherwise same as No. 1857, each ..... **AEJ** $2.70



No. 1861—Heavy brown duck, full striped, wool lined, quilted, wide bound neck and front, short stay, two surcingles, snap fasteners, 72 in. long, w't 4½ lbs..... each **AEJ** $2.70

No. 1862—76 in. long, w't 4¾ lbs., otherwise same as No. 1861, each ..... **AEE** $2.80

No. 1863—80 in. long, w't 5 lbs., otherwise same as No. 1861, each ..... **AFJ** $2.90



No. 1865—Heavy brown duck, full stripe, wool lined, quilted, extra breast facing, fancy bound neck and front, long stay, two surcingles, patent fasteners, 72 in. long, w't 4½ lbs., each ..... **AFJ** $2.70

No. 1866—76 in. long, w't 4¾ lbs., otherwise same as No. 1865, each ..... **AGJ** $2.80

No. 1867—80 in. long, w't 5 lbs., otherwise same as No. 1865, each ..... **AGE** $2.90

HORSE BLANKETS.

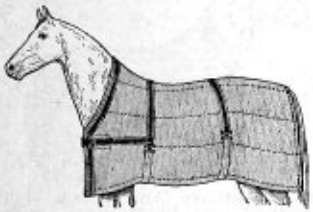
DUCK, SHAPED.



No. 1871—Heavy brown duck, full fancy blanket lined, quilted, full bound, cable neck and front with extra facing, long stay, two surcingles, patent fasteners, 72 in. long, w't 4¾ lbs., each .....**AHE** $3.30

No. 1872—76 in. long, w't 5 lbs., otherwise same as No. 1871, each .....**AIJ** $3.40

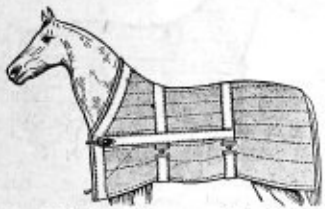
No. 1873—80 in. long, w't 5¼ lbs., otherwise same as No. 1871, each .....**BJJ** $3.50



No. 1892—Heavy mahogany duck, full kersey lined, quilted, layer bound, cable neck and front, short stay, with layer, two surcingles, snap fasteners, 76 in. long, w't 6 lbs., each .....**BAJ** $3.54

No. 1893—80 in. long, w't 6¼ lbs., otherwise same as No. 1892, each .....**BBJ** $3.66

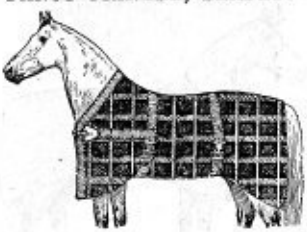
No. 1894—84 in. long, w't 6½ lbs., otherwise same as No. 1892, each .....**BBE** $3.78



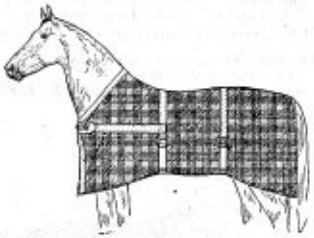
No. 1895—Heavy brown duck, heavy brown wool kersey lined, quilted, cable neck and front, wide fancy double front facing, long stay, two surcingles, snap fasteners, 76 in. long, w't 7 lbs.....each **BAE** $3.60

No. 1896—80 in. long, w't 7¼ lbs., otherwise same as No. 1895, each .....**BCJ** $3.80

FANCY PRINTED, SHAPED.

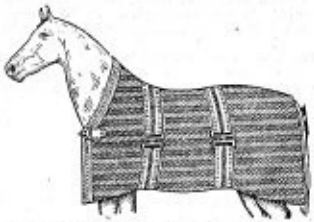


No. 2028—Green and light brown plaid, reinforced neck and front, long stay, two surcingles, 76 in. long, w't 6 lbs., each .....**AEJ** $2.50

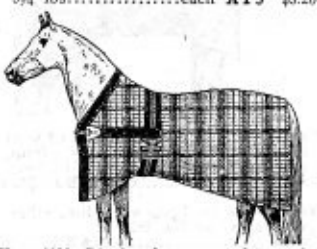


No. 1929—Gray, brown and green fancy plaid, fancy bound neck and front, short stay, two surcingles, snap fasteners, 76 in. long, w't 5½ lbs., each .....**AFJ** $2.70

No. 1930—Gray, green and brown plaid, fancy bound all around, long stay, two surcingles, snap fasteners, 76 in. long, w't 5½ lbs.....each **AHE** $3.10

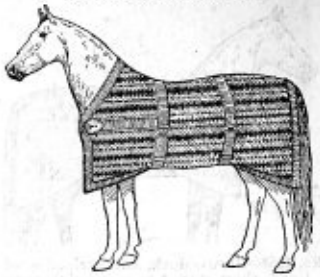


No. 1933—Drab and olive herringbone stripes, wide jute bound neck and front, 3½ in. fancy jute surcingles, snap fasteners, 76 in. long, w't 5¾ lbs.....each **AIJ** $3.20

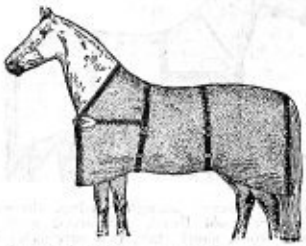


No. 1923—Black, brown and purple plaid, bound neck and front, short stay, one surcingle, 72 in. long, w't 4 lbs. .....each **ABJ** $2.00

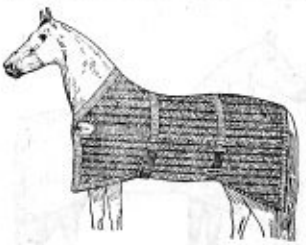
KERSEY SHAPED.



No. 1943—Gray, orange and black plaid, reinforced neck and front, fancy bound all around, short stay, two wide fancy surcingles, snap fasteners, 76 in. long, extra deep, w't 7¼ lbs., each .....**BAE** $3.60



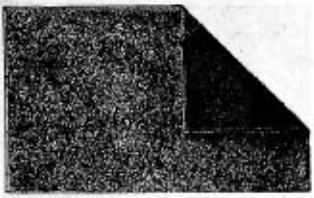
No. 1953—Seal brown, reinforced bound neck and front, short stay, two surcingles, snap fasteners, 72 in. long, w't 5¼ lbs.....each **ADJ** $2.00



No. 1956—Brown and blue diagonal ground, reinforced neck and front, fancy bound all around, short stay, two wide fancy jute surcingles, snap fasteners, 76 in. long, w't 5½ lbs., each .....**AGJ** $2.70

No. 1958—Black, brown and maroon plaid, reinforced neck and front, fancy bound all around, short stay, two wide fancy jute surcingles, snap fasteners, 76 in. long, w't 5¼ lbs., each .....**AHJ** $2.90

PLUSH ROBES.



No. 4900—Single plush, gray, bound, 48x60 in., w't 3¼ lbs., each .....**AHJ** $2.88
No. 4901—Single plush, plain back, bound, 48x60 in., w't 3½ lbs., each .....**BJE** $3.20
No. 4902—Single plush, plain green, bound, 48x60 in., w't 3½ lbs., each .....**BJE** $3.20
No. 4903—Single plush, plain blue, bound, 48x60 in., w't 3½ lbs., each .....**BJE** $3.20



No. 4910—Protector Water-Proof, plain green plush, rubber back, 48x60 in., w't 5½ lbs.....each **CJE** $4.80
No. 4914—Protector Water-Proof, green plush, rubber back, 54x66 in., w't 5½ lbs.....each **DAE** $6.40
No. 4916—Protector Water-Proof, green striped plush, heavy rubber back, 50x 60 in., w't 6 lbs. .....each **CDJ** $5.66

Plain Double Plush.

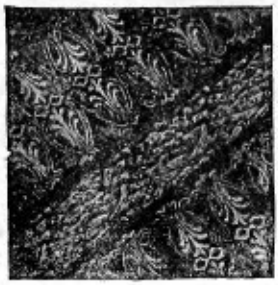
No. 4909—Double plush, plain green face, black back, 48x60 in., w't 5¼ lbs. .....each **CBJ** $4.80
No. 4912—Good quality plain green face, black back, 50x60 in., w't 6½ lbs., each .....**CGJ** $5.70
No. 4913—Double plush, good quality plain blue face, black back, 50x60 in., w't 6½ lbs.....each **CGJ** $5.70

Plain Plush, Rubber Interlined.

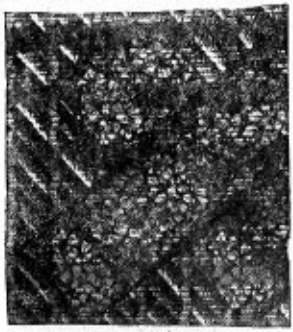
No. 4921—Double plush, plain green face, rubber interlined, black back, 48x60 in., w't 8 lbs...each **DDJ** $6.80
No. 4928—Double plush, fine plain green plush, rubber interlined, black back, 54x72 in., w't 10 lbs., each .....**JFDJ** $10.40



No. 4907—Single plush, red medallion on green and black checked background, harmonizing golden brown and buff border, double plush, black back, 48x60 in., w't 3¼ lbs., each .....**CBJ** $4.80



No. 5019—Double plush, red mottled diagonal slash, Fleur-de-lis designs in old gold and brown on each side, mottled red corners, black back, 48x 60 in., w't 5¾ lbs....each **DJJ** $6.70



No. 5017—Double warp, Japanese Iris flower slash, brown scroll design opposite corners, black back, 48x60 in., w't 6 lbs.....each **DDJ** $7.30



No. 5022.

No. 5022—Double plush, variegated flower slash on purple, brown and white ground, black back, 48x60 in., w't 6 lbs.....each **DEJ** $7.50
No. 6024—Double plush, light and dark blue striped ground, red and green floral center, shaded brown shell design border, black back, size 48x60 in., wt 6 lbs. .....each **DEJ** $7.50



No. 5023—Double plush, fancy shaded striped ground, floral center of large red bell shape flower and green leaves over navy blue background, black back, 48x60 in., w't 6¼ lbs., each .....**DEJ** $7.50



No. 5024.

No. 5024—Double plush, brown horse head center on rich, showy shaded red lattice background, black back, 50x60 in., w't 6¼ lbs., each .....**DHJ** $8.00
No. 6026—Double plush, shaded green, white and light green ground, two setter dog center in shaded brown, fancy floral border effect, black back, size 48x60 in., w't 6 lbs., each .....**DHJ** $8.00



No. 5025—Double plush, fox terrier and squirrel on fancy shaded striped background, offset by shaded brown and white lattice effect, black back, 50x 60 in., w't 6¼ lbs....each **DHJ** $8.00

WEIGHTS OF ROBES GIVEN ON THIS PAGE ARE APPROXIMATELY CORRECT.

PLUSH ROBES.



No. 5027—Double plush, two bull dogs at the kennel on blue, old gold and white striped background, fancy red and white zigzag border, black back, 50x60 in., w't 6½ lbs., each .....EJJ $8.30



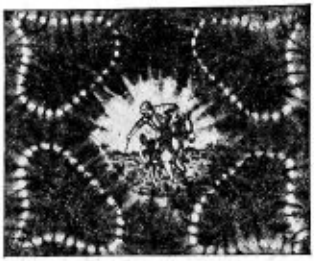
No. 4940—Double plush, diagonal in shaded reds, two corners of shaded green and white leaves, fancy brown border, black back, 50x60 in., w't 6½ lbs.....each EDJ $9.00



No. 4947.

No. 4943—Double plush, crimson carnation flower slash, brown oak leaf border, black back, 48x60 in., w't 7 lbs.....each EGJ $9.50

No. 4947—Double plush, medallion, swans on green ground in brown and rose cluster horse shoe, brown border, black back, 50x62 in., w't 7 lbs., each .....JFJJ $10.00



No. 4946—Double plush, green marbleized robe, medallion center, polo player on white ground, fancy white over pattern, black back, 51x60 in., w't 7 lbs. .....each EGJ $9.50

No. 4948—Double plush, medallion center, red, olive and white fancy crisscross background in yellow and brown, intermingled with large white polka dots over brown, dark brown border with peacock feathers in their natural colorings, black back, 51x60 in., w't 6½ lbs., each .....JFJJ $10.00



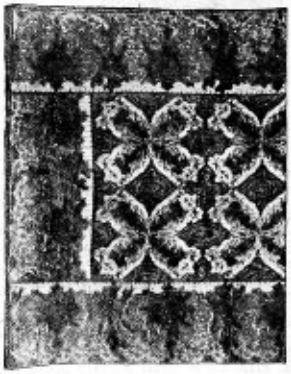
No. 4951—Double plush, the "Companions," brown horse and small fox terrier, horse looking over a low brick wall, large wreath of green leaves, intertwined with bright red ribbon effect, sunburst corners in brown and white, black back, 51x 60 in., w't 6½ lbs..each JFGJ $11.25



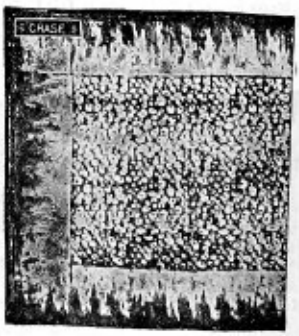
No. 4952—Double plush, ornamental slash center, red scholls with small shaded brown stars, mottled steel gray and white corners, border of small brown and green diamonds with a scalloped edge, black back, 51x62 in., w't 7¼ lbs., each .....JGBJ $12.00



No. 4954—Double plush, white swan in a lake, light ruby background, with a fancy brown and white log frame with twining red flowers and green leaves, black back, 53x62 in., w't 8 lbs.....each JHAJ $13.50



No. 4956—Double plush, fancy black center, shaded brown, green and black ground, very attractive brown and green border, black back, 52x 65 in., w't 7¾ lbs..each JIJJ $15.00



No. 4958—Double crushed mohair robe, soft brown and tan shades, fine black plush back, 54x65 in., w't 9¼ lbs., each .....ACHJ $23.00



No. 5027—Double plush, size 48x60 in., w't each 6½ lbs., each .....**DHJ** $8.70



No. 5017—Single plush, double warp, size 48x60 in., w't each 5 lbs. .....each **DDJ** $8.00



No. 6029—Double plush, black back, size 48x60 in., w't each 6½ lbs. .....each **JEGE** $10.70



No. 5022—Double Plush, black back, size 48x60 in., w't each 6 lbs. .....each **DFJ** $8.30



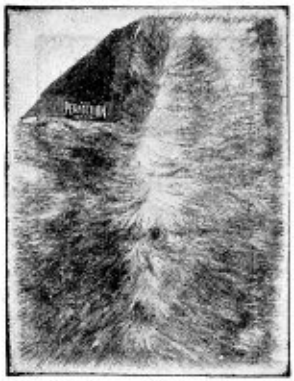
No. 5005—Single plush, black back, size 48x60 in., w't each 3½ lbs. .....each **CJJ** $6.00



No. 5029—Double plush, black back, size 48x60 in., w't each 6 lbs. .....each **CHE** $7.40

FUR ROBES.

GRAY GOAT.



Selected Chinese Goat Skins, Best Quality of Linings, Well Made.

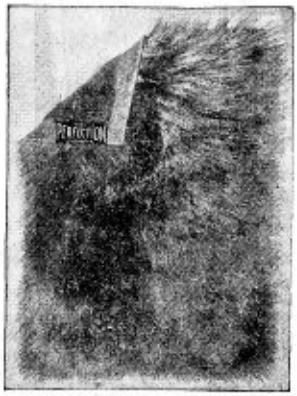
No. 4253—Large size, lined with good dark green plush, dark green felt border, 54x66 in., w't 10 lbs., each .....AJAJ $16.80

IMITATION BUFFALO.

Selected Chinese Sheep Skins, Imported and Selected for this Purpose, Full Curly Wool, Dyed a Dark Brown, Skin Free from Dye, an Excellent Imitation of the Genuine Buffalo Robe, Lined with Good Quality Brown Plush, Reinforced Double Stitched Felt Border.

No. 4275—Large size, 54x66 in., w't 12 lbs. .....each ABBE $20.40

BLACK GALLOWAY COW.



Selected Natural Black Galloway Cow Skin, Moth Proof, Lined with Good Quality Dark Green Plush.

No. 4287—Size 54x66 in., w't 11 lbs., each .....AIDE $32.40

BLACK RUSSIAN CUB BEAR.



Extra selected Chinese goat skins, cannot be distinguished from the genuine black cub bear, the hair is jet black at the tip and shades to a dark brown towards the leather which is natural and will wear as well as the real bear, lined with black plush, reinforced double stitched felt border.

No. 4271—Large size, 54x66 in., w't 9 lbs. .....each ABBE $20.40

No. 4272—Extra large size, 60x70 in., w't 12 lbs. .....each ADDE $24.00

BROWN GRIZZLY BEAR.

Selected Chinese goat skins, full, long, perfectly clean, light brown glossy hair, exact imitation of genuine grizzly bear skins, leather is unaffected by dye, lined with good quality brown plush, reinforced double stitched felt border.

No. 4277—Large size, 54x66 in., w't 9½ lbs. .....each ACBJ $19.20

No. 4278—Extra large size, 60x70 in., w't 12 lbs. .....each ACGJ $22.80

BROWN RUSSIAN BEAR.



Extra selected Chinese goat skins, made in exact imitation of genuine brown bear, hair of rich brown color, leather of perfect natural strength, good quality brown plush lining, reinforced double stitched felt border.

No. 4267—Large size, 54x66 in., w't 9½ lbs. .....each ABBE $20.40

No. 4268—Extra large, 60x70 in., w't 12 lbs. .....each ADDE $24.00

BLACK CUB BEAR.



Selected Chinese Goat Skins with Full, Long, Perfectly Clean, Glossy Hair, Good Imitation of Genuine Cub Bear Skins, Leather is Unaffected by Dye and Guaranteed to Have Same Strength and Wearing Power as Natural Color Robes.

No. 4263—Large size, good quality green plush lined, reinforced double stitched green felt border, 54x66 in., w't 9½ lbs. .....each AAEJ $19.20

No. 4265—Extra large, good quality dark green plush lined, reinforced double stitched dark green felt border, 60x70 in., w't 12 lbs., each .....ACGJ $22.80

BLACK SIBERIAN DOG.



Finest Selection of Siberian Dog Skins with Glossy Black Top and Natural Ground, Leather is Full Natural Strength, Soft and Clean, Black Plush Linings of Best Quality Reinforced Double Stitched Black Felt Border.

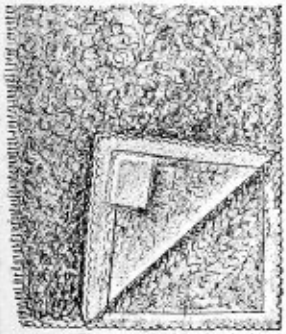
No. 4280—Size 48x60 in., w't 8½ lbs., each .....AJHJ $18.00

No. 4281—Large size, 54x60 in., w't 10 lbs. .....each ADGE $24.60

GUARANTY—Our FUR ROBES are guaranteed for one Year from date of purchase against damage caused by imperfect material or workmanship, but not by wear or abuse. We will repair free of charge should any prove defective, or exchange for perfect robes. WEIGHTS OF ROBES GIVEN ON THIS PAGE ARE APPROXIMATELY CORRECT

ROBES.

MONTANA OR IMITATION BUFFALO.



No. 4200—"Il-a-noy," black imitation buffalo face, black astrakan back, 54x52 in., w't 7 lbs., each **JFJJ** $10.00

No. 4205—"Il-a-noy," brown imitation buffalo face, black astrakan back, 54x52 in., w't 8½ lbs., each ..... **JFJJ** $10.00

No. 4210—"Il-a-noy," black imitation buffalo face, black astrakan back, 54x62 in., w't 8½ lbs., each ..... **JGBJ** $12.00

No. 4215—"Il-a-noy," brown imitation buffalo face, black astrakan back, 54x62 in., w't 8½ lbs., each ..... **JGBJ** $12.00

No. 4220—Il-a-noy," black imitation buffalo face, black astrakan back, 54x72 in., w't 10 lbs., each ..... **JHDJ** $14.00

No. 4228—"Hib-Spe-Bar," extra quality fine black imitation buffalo face, black astrakan back, 54x52 in., w't 8 lbs. ..... each **JFFJ** $11.00

No. 4233—"Hib-Spe-Bar," extra quality fine brown imitation buffalo face, black astrakan back, 54x52 in., w't 8 lbs. ..... each **JFFJ** $11.00

No. 4230—"Hib-Spe-Bar," extra quality black imitation buffalo face, black astrakan back, 54x62 in., w't 9½ lbs., each ..... **JGHJ** $13.00

No. 4235—"Hib-Spe-Bar," extra quality brown imitation buffalo face, black astrakan back, 54x62 in., w't 9½ lbs., each ..... **JGHJ** $13.00

No. 4240—"Hib-SpeBar," extra quality black imitation buffalo face, black astrakan back, 54x72 in., w't 11 lbs., each ..... **JIJJ** $15.00

No. 4245—"Hib-Spe-Bar," extra quality brown imitation buffalo face, black astrakan back, 54x72 in., w't 11 lbs., each ..... **JIJJ** $15.00

No. 4246 REVISED—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, black astrakan back, 54x52 in., w't 8½ lbs. ..... each **JGHJ** $13.00

No. 4247 REVISED—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, black astrakan back, 54x62 in., w't 9½ lbs. ..... each **JIJJ** $15.00

No. 4248 REVISED—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, black astrakan back, 54x72 in., w't 10½ lbs. ..... each **AJBJ** $17.00

AUTOMOBILE ROBES.

No. 4971H—Green plush, heavy rubber back, size 54x72 in., w't 8 lbs., each ..... **DEJ** $7.60

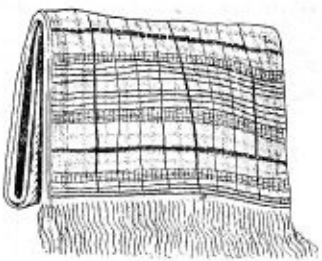
No. 4978H—Double plush, green face, black back, size 54x72 in., w't 8 lbs., each ..... **DHE** $8.20

No. 4979H—Size 54x84 in., otherwise same as No. 4978-H, each **EHJ** $9.70

No. 4980H—Single plush, extra heavy double warp, light and dark brown shaded face, black back, 50x60 in., w't 8½ lbs. ..... each **EGJ** $9.50

No. 4975H—Double plush, two-tone brown face, rubber interlined, black back, 50x60 in., w't 8½ lbs., each ..... **EGJ** $9.50

AUTOMOBILE RUGS.



Fine Mixed Wool.

No. 4513-H—Red ground, fancy green, navy blue and white plaid, heavy fringed ends, size 60x80 in., w't 4 lbs., each ..... **EDJ** $9.00

No. 4533-H—Navy blue ground, white and red plaid, heavy fringed ends, size 60x80 in., w't 4 lbs., each ..... **JFFJ** $11.00

Fine All Wool.

No. 4527H—Dark brown ground, green and crimson plaid face, brown and white striped back, heavy fringed ends, 60x80 in., w't 5 lbs., each ..... **JIFJ** $16.00

BABY CARRIAGE OR GO-CART.



No. 4290—Fine white Iceland lamb skins with long curly wool, lined with good quality white flannel, scalloped felt border, opening for baby's head, 22x36 in., w't 2¾ lbs., each **EGE** $9.60

No. 4291—Quilted sateen lined, otherwise same as No. 4290, each ..... **JFBE** $10.40



No. 4296—Fine white Iceland lamb skins, with long curly wool, lined with fine quilted satin, head opening with flap foot bag, 12 in. deep, size about 23x33 in., w't 4 lbs., each ..... **JGIJ** $13.20

No. 4297—Flannel lined, otherwise same as No. 4296 ..... each **JGBJ** $12.00

WEIGHTS OF ROBES GIVEN ON THIS PAGE ARE APPROXIMATELY CORRECT.

ROBES AND HORSE COVERS.

AUTOMOBILE ROBES.



Spring Belt.

No. 3595H—Heavy rubber drill face, blue kersey lined, leather soled shoes, w't 6½ lbs.,...each **EIJ** $9.80

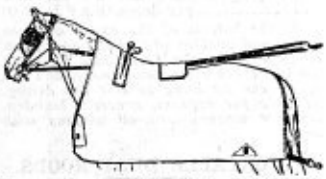
No. 3596H—Extra quality heavy rubber face, green plush lined, leather shoes, w't 8 lbs. .....each **JGGJ** $12.80

No. 3597H—"Combination Robe," fine black plush velour face, lined with same material, rubber interlined, lined, leather shoes, w't 9½ lbs., each .....**AJHJ** $18.00

No. 3598H—Extra quality brown corduroy face, black plush lined, leather shoes, w't 8 lbs. ...each **JIJJ** $15.00

The Spring Belt in the above robes is made of fine tempered steel and applied to the upper edge of robe and made to shape itself to the body and hold the robe firmly in place. The divided foot pockets or "shoes" are adapted for use in automobiles, the separation enabling the operator to reach any two pedals at the same time. The feet are thus in separate partitions and completely covered all around, the robe falling together at the back when the spring belt is closed around the body.

WATERPROOF HORSE COVERS, OVER HAME.



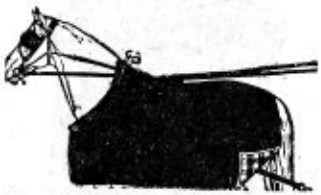
Heavy 14 oz. White Duck Reinforced Front and Buckle Strap with Line Pockets and Rawhide Hame and Trace Leathers.

No. 5020—58 in. deep, made in two parts, seamed together in middle, for heavy express or teaming, w't per doz. 40½ lbs. .....per dozen **BDDJ** $40.70

No. 5023—66 in. deep, made in three pieces, for heavy express or teaming, w't per doz. 48 lbs., per dozen .....**BGJJ** $45.00

No. 5015—Extra heavy brown oiled duck, with line pocket, extra large hame leathers, with trace leathers and buckle strap, for heavy express or dray, w't per doz. 78 lbs., per dozen .....**BHHJ** $48.00

WATERPROOF HORSE COVERS, OVER HAME.



No. 5010—Imitation rubber coated, heavy black drill, fancy plaid fleece lined, reinforced front and buckle strap, with line pockets, hame and trace leathers, for delivery or express, w't per doz. 54 lbs., per dozen .....**CDJJ** $57.50

TO COLLAR.



No. 5045—Black oil drill, fancy plaid fleece lined, reinforced buckle and trace straps, with line pockets, for buggy or express, w't per doz. 60 lbs., per dozen .....**CBCJ** $53.80

TO HEAD.



No. 5030—Heavy black oiled drill, with hood and body in one piece, reinforced at buckle strap and head, with line pockets and trace leathers, for express or teaming, w't per doz. 57 lbs., per dozen .....**BDHJ** $41.30



No. 5035—Heavy black oiled drill, fancy plaid fleece lined, with hood and body in one piece, reinforced at buckle strap and head, with line pockets and trace straps, for express or buggy, w't per doz. 61 lbs., per doz. **CFHJ** $61.30

WATERPROOF HORSE COVERS, OVER HAME



Black Oiled Reinforced Front with Buckle Strap, Well Made Pockets, Hame and Trace Leathers for Heavy Express or Teaming.

No. 5000—Oiled sheeting, w't per doz. 43½ lbs. .....per dozen **BAJJ** $35.00

No. 5003—Oiled drill, w't per doz. 54 lbs., per dozen .....**BDHJ** $41.30

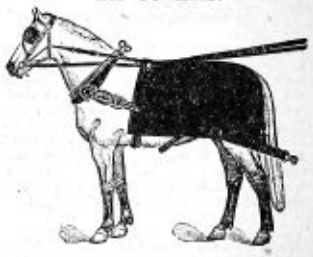
No. 5005—Oiled duck, w't per doz. 67½ lbs. .....per dozen **CJJJ** $50.00

KIDNEY COVERS.



No. 5050—Heavy black oiled drill, extra quality navy blue wool lined, complete with saddle and trace straps, w't per doz. 27 lbs., per doz. **BAFJ** $36.00

HIP COVERS.



No. 5055—Heavy black oiled drill, fancy striped flannel lined with leather housings over back pad or saddle, trace leathers, w't per doz. 31 lbs., per dozen .....**BDJJ** $40.00

STORM SHIELDS AND DUST HOODS.

STORM SHIELDS.



No. 90—Heavy special waterproof material, plaid fleece lining with metal line pockets, will fit any ordinary size piano box buggy, w't per doz. about 50 lbs., per dozen **CJGJ** $51.20

Material used in making this front is guaranteed not to crack or peel off. Securely fastened by means of straps and buckles and when once attached there is no chance of it coming loose, 12 in. metal line pockets covered with a broad flap to prevent the entrance of cold or rain. The hooks that fasten to the dash are fastened to a coil spring which gives it the adjustment and has longer life than the rubber cord ordinarily used in a front of this character.



No. 95—Heavy special waterproof material, fleece lined, metal lined pockets, standard size celluloid window made in sizes 36, 38, 40 and 42 in., the 36 in. size will fit any top from 36 to 38 in., 38 in. will fit any top from 38 to 41 in., 40 in. size will fit and top from 40 to 43 in., 42 in. size will fit any top from 42 in. to 44 in., w't per doz. about 75 lbs. ..per dozen **EBHJ** $88.00

Material used in making this shield is guaranteed not to crack or peel off. An automatic lever separates the apron part from the shield, allowing the apron to drop from the lap and the shield to fold back in the buggy top. When so folded it does not interfere in any way with putting the top up or down.

STORM APRONS.



No. 46—22 oz. black rubber drill, 50x54 in., with line pockets, w't per doz. 24 lbs. ...per dozen **JICE** $15.60

No. 47—22 oz. black rubber drill, 50x60 in., with line pockets, w't per doz. 30 lbs....per dozen **AJIJ** $18.20

Are easily adjusted to any size buggy dash by the two steel clamps fastened to the apron, which fit over the dash like a clothes pin and holds the apron securely in place.



No. 48—22 oz. black rubber drill, 50x72 in., with line pocket, w't per doz. 36 lbs. ...per dozen **ABEJ** $20.80

Made expressly for and will fit any phaeton dash, is adjusted by two steel clamps, the sides of apron extend well down over the feet.



No. 85—Heavy Canton flannel, with line pocket, one side coated with a black oiled waterproof material, fleece lined, 50x60 in., w't per doz. 36 lbs., per dozen .....**AHGJ** $31.20

VESTIBULE SHIELDS.



"Freemont"—Lift Window.

No. 40—Wood frame covered with black rubber drill, glass lift window with glass panel on each side, rubber drill apron with colored back, roller side curtains with celluloid lights, weight per doz. 785 lbs., per dozen .....**ABJJJ** $200.00

This shield will adjust to tops from 38 to 42 in., and will fit straight, winged or curved dashes and has a projecting head piece, which adds to the appearance.

Instructions for attaching packed with each shield.

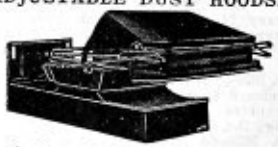
WAGON APRONS.



No. 80—Heavy brown oiled duck, with line pocket, 54x72 in., w't per doz. 32 lbs.....per dozen **BAFJ** $36.00

At the bottom of the apron are two straps and buckles so that the apron can be fastened to any foot board. At the top are three straps and snaps, and the apron can be hung to suit the driver. Suitable for express, grocery, laundry, transfer wagons and all wagons with tops.

ADJUSTABLE DUST HOODS.



No. 6—22 oz. black rubber drill, will fit any piano box buggy top, w't per doz. 21 lbs....per dozen **AACJ** $18.80

Is put on the top when thrown back, and protects the inside lining of the top from dust or mud. It fits any buggy and can be put on or taken off in a few seconds. When adjusted there is no wrinkling nor puckering.

SLEIGH BELLS AND BODY STRAPS.

GENUINE SWEDISH.



Rough.

Nos.	6-X	10-X	12-X
Size, in.	2¼	2¼	3¼
W't, doz., lbs.	6	9	12
Per dozen	$5.70	10.40	11.70
	CDJ	JFBE	JGJJ

SWEDISH STRAPPED.



Rough.

No. 40—Length 18 in., 4 bells, w't 3 lbs., per strap .....AHE $3.10

No. 60—Length 26 in., 6 bells, w't 4½ lbs. ..... per strap CJJ $5.00



Polished.

Nos.	4-P	6-P
Length, in.	18	26
No. of bells	4	6
W't, lbs	3	4½
Per strap	$3.70	5.40
	BBJ	CBE

ROUND LOOSE.



Polished and Coppered.

Nos.	1	2	3	4
Size, in.	1⅜	1¼	1⅛	1¼
W't per doz., lbs.	¼	1	1¼	1½
Per dozen	$0.54	.72	.96	1.14
	CB	DC	FJ	JGJ

Nos.	5	6	7	8
Size, in.	1¾	1¾	1⅞	2⅛
W't per doz., lbs.	1¼	2	2¼	2¾
Per dozen	$1.40	1.54	1.90	2.20
	JHE	JIJ	AAE	ACJ

Nos.	9	10	11
Size, in.	2¼	2⅜	2½
W't per doz., lbs.	3½	4¼	5¼
Per dozen	$2.70	3.20	3.70
	AFJ	AIJ	BBJ

BODY STRAP.



Plain Black Harness Leather, Common Tinned, Assorted Bells.

No. 640—Length 6 ft. 10 in., 25 bells, w't 2½ lbs. .....per strap AGE $2.90



Arctic Bells, Rolled Nickel Plated Wrought Steel, Plain Black Leather Straps, Riveted Buckle and Billet.

Nos.	788	789
Size of bells, in.	1¼	1⅜
No. of bells	24	30
W't, lbs.	2	2¼
Per strap	$2.10	2.40
	ABE	ADE

Nos.	794	795	1201
Size of bells, in.	1¼	1¼	1¼
No. of bells	30	36	42
W't, lbs.	2¼	3	3½
Per strap	$2.70	3.10	3.20
	AFJ	AHE	AIJ

No. 1727—31 white silver Arctic bells, 7½ ft. plain black leather strap, riveted buckle and billet, size of bells, eight 1⅛ in., eight 1¼ in., six 1⅜ in., four 1½ in., four 1⅝ in., one 1¾ in., w't per strap 3½ lbs., per strap .....BAE $3.60

BODY STRAP



Polished, for Body or Neck Strap.

No. 059—Size of bells 1¼ to 2⅛ in., 19 bells, w't 5 lbs., per strap .....BAE $3.60

SHAFT CHIMES.



Wrought Steel Bells, Beaded Gongs, Japanned Iron Strap.

No. 861—Rolled nickel plated, w't per pr. 2½ lbs. .....per pair EJ $0.84

No. 862—Rolled brass plated, w't per pr. 3 lbs. .....per pair EJ $0.8i

ONE PAIR IN A BOX.



Cast Bell Metal Bells, Band Pattern, Japanned Iron Strap.

No. 15—White metal, w't per pr. 2½ lbs. .....per pair JIJ $1.50

No. 16—Oride, w't per pr. 2½ lbs., per pair .....AAJ $1.80

ONE PAIR IN A BOX.



No. 42½—Wrought brass bells, nickel plated, graduated cup patterns, japanned iron strap, w't per pr. 3 lbs., per pair .....AEJ $2.50

ONE PAIR IN A BOX.





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OVB

Is the Very Best

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STATE STREET BRIDGE
CHICAGO.





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STATE STREET BRIDGE
CHICAGO.

Cutlery and Silverware

Our stock embraces several thousand styles of

Pocket Knives

and a corresponding assortment of

Scissors, Shears, Butcher Knives, Razors, Silverware and Kindred Lines

We illustrate our leading patterns only

Our warranted cutlery is excellent in quality. It is made by the most experienced American workmen. It is highly finished and put up in attractive style. The prices are low. Goods of our own brands are fully warranted.

Our specialty is a line of high-grade cutlery under our registered trademarks: OVB and REVONOC—representing sixty years of progress. We guarantee every article in these lines to be unexcelled in quality, workmanship and materials.

The illustrations of OVB and REVONOC cutlery are actual size and reproductions of the original items. Special attention is called to the halftone pages which are exact reproductions.

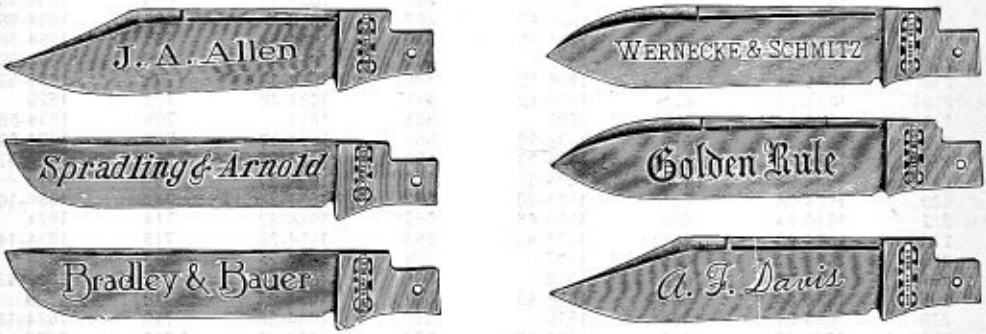
HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO

ETCHING CUTLERY.



ETCHING DEPARTMENT.

STYLES OF ETCHING.



The very best way of increasing trade in pocket cutlery is through the dealer's advertisement on the large blade of his best knives. If this is done wisely, is establishes a reputation for all knives bearing the dealer's name, adding his reputation to that of the maker, and thus is a convincing argument to the quality of the article. The consumer is sure of a double guaranty, and if the brand is unknown, he at least knows that the dealer would not have his name on inferior goods. It is also a strong safeguard against theft. Several times every year we hear of stolen goods recovered which had been etched by us, the name on the blade identifying the knives and establishing evidence to convict the thieves. Numbers of our customers have informed us that they had been robbed, the thieves leaving the etched knives untouched.

Our etching department, beginning in 1896 in a very modest way, has grown to an important adjunct to our cutlery business. Our etchers have become artists in their work, having every appliance necessary or desirable to produce fine results.

Etching has become popular, and the public is quick to notice the enterprise of a dealer who has something new to offer.

We make no charge whatever for this work, feeling that we are amply repaid by the increased business the dealer is sure to give us in consequence of adding to the selling quality of his knives. Our only requirements are that a sufficient —not a large—quantity is ordered each time to warrant it, and that the goods are such that we as a firm would care to affix our guaranty.

We shall be glad to explain more fully through our representatives or by letter our position in this matter and show samples of the work.

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POCKET KNIFE BLADES.

USED IN OVB POCKET KNIVES.



Spear Point.



Clip Point.



Sheep Foot or Tobacco.



Large Spey.



Small Spey or Budding.



Wharncliffe.



Carpenter's or Saber.



Razor Blade.



Pruning.



Pen Blade.



File Blade.



Harrison Patent Punch Blade.



Corn.



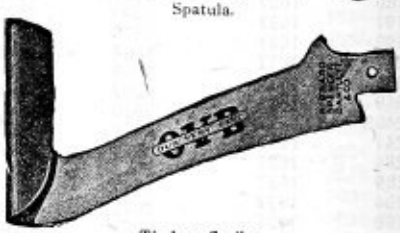
Eraser.



Screw Driver.



Spatula.



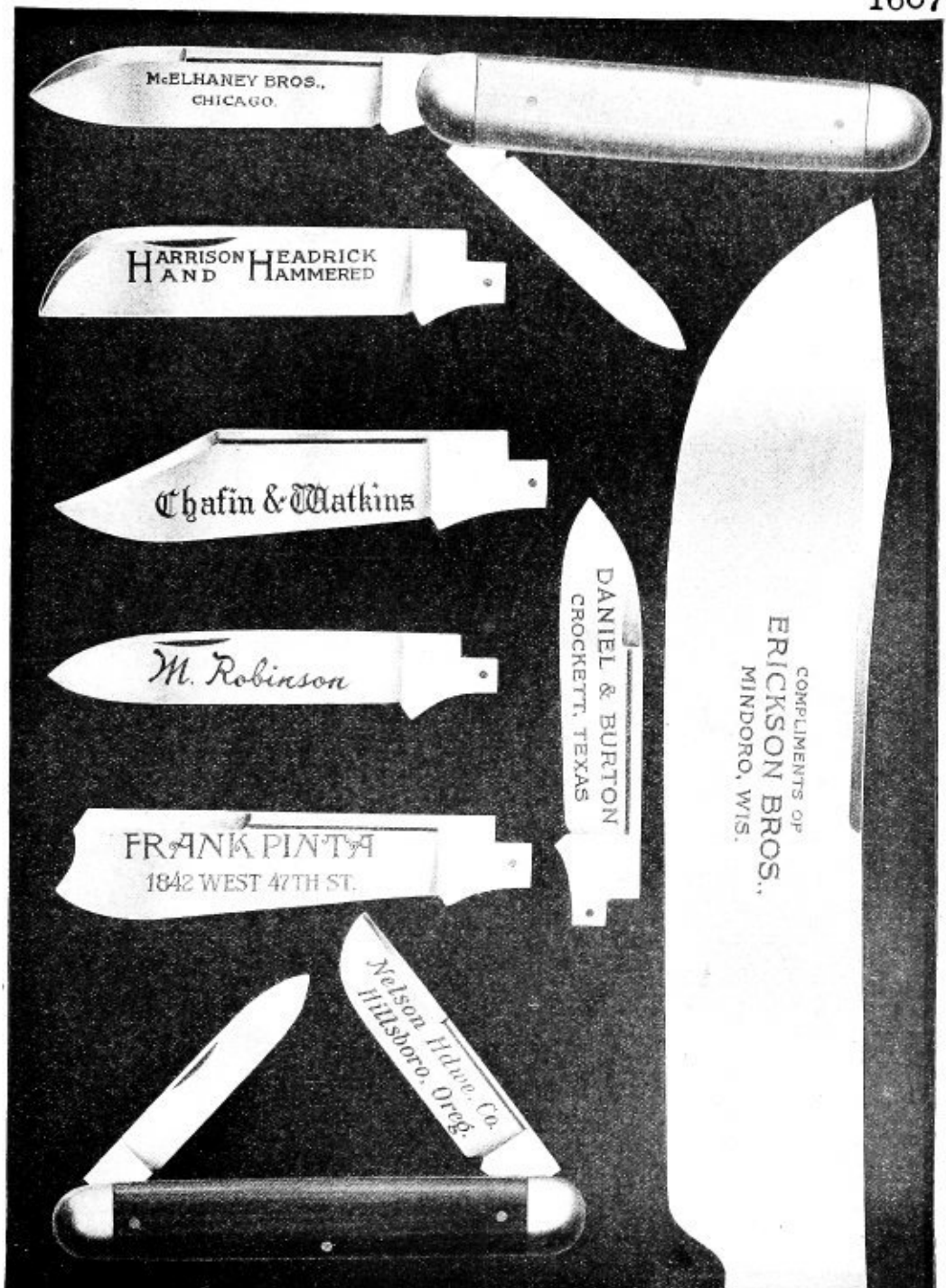
Timber Scribe.



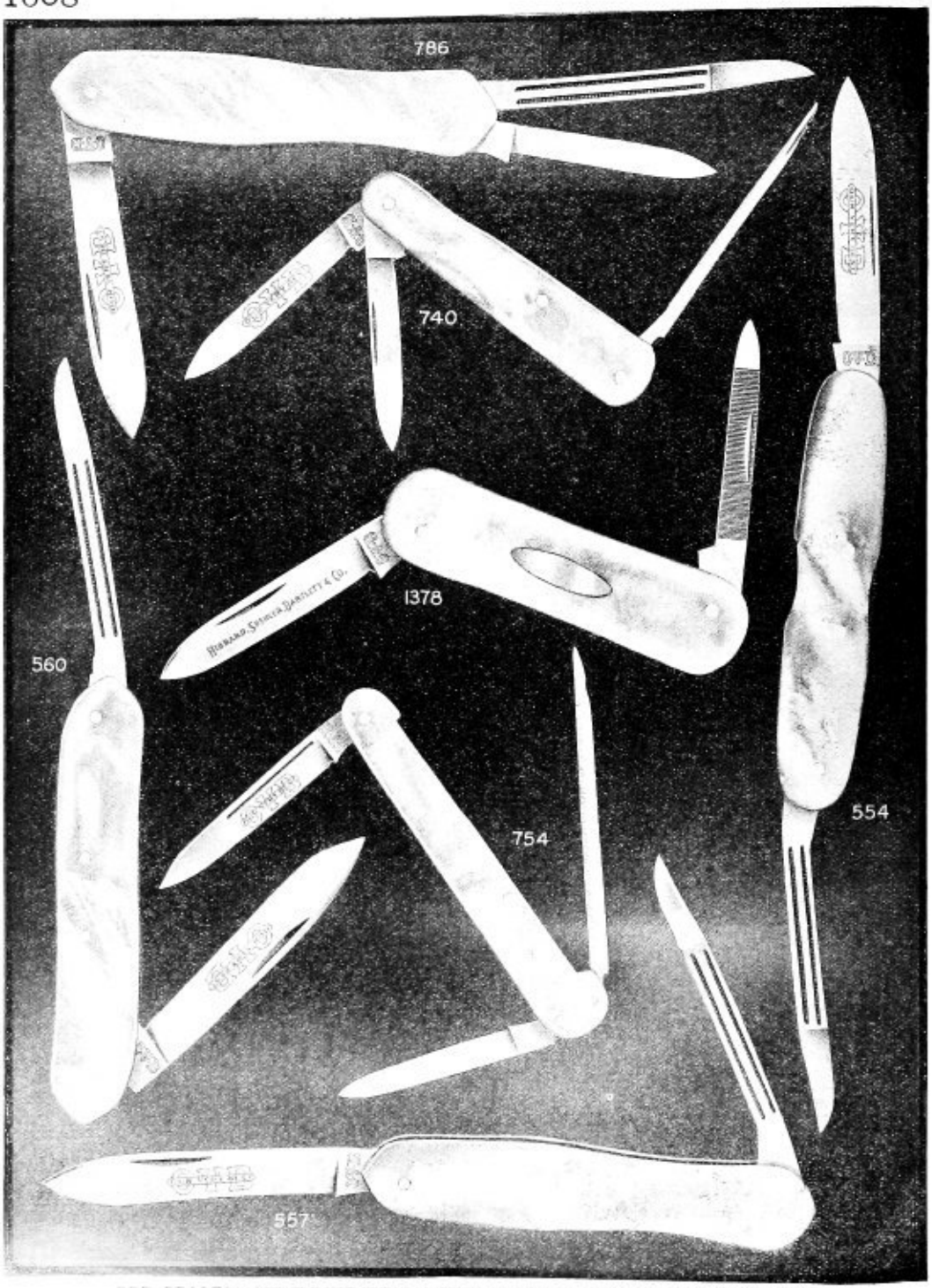
Cotton Samplers.

We do not carry pocket knife blades in stock. The illustrations shown on this page being reproductions of the different styles used in OVB pocket knives. Slight variations are made to adapt them to the different knives of which they form a part. All are made from Wardlow's Celebrated English crucible steel. Each blade is forged in the most approved manner by expert workmen. Great care is taken to avoid overheating the metal, the forging being done at a very low heat, thereby condensing the metal and making it extremely tough. The tempering is done by a process which insures uniform hardness through the metal. All blades bearing the OVB trademark are carefully ground, finished and polished. The shank is carefully shaped and finished. Every blade is inspected, whetted to a fine cutting edge and warranted to be free from flaw and neither too hard or too soft.

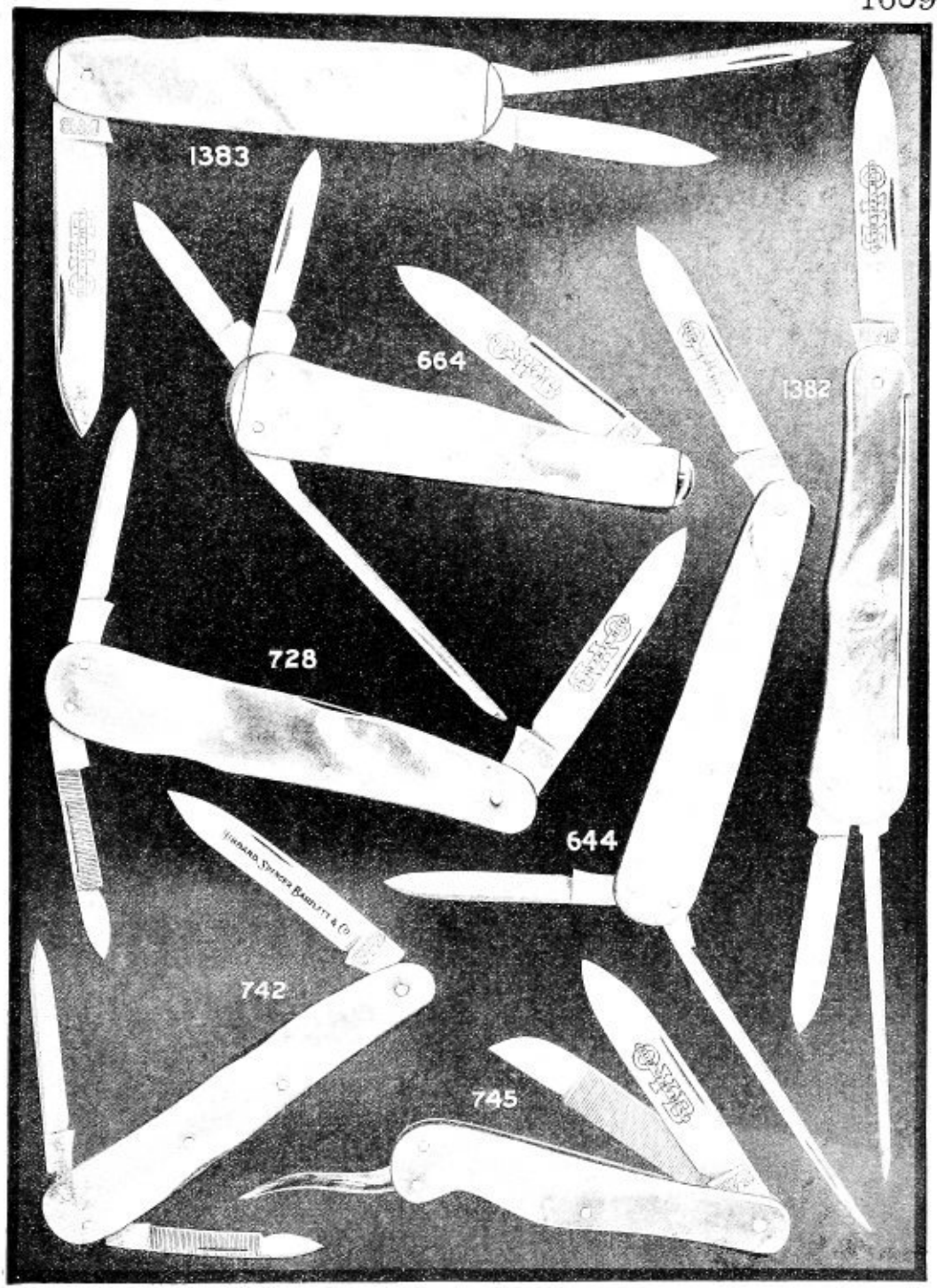
In material, workmanship and design, the OVB pocket knife blades are equal, if not superior to any made in this or any other country. They are and always have been the product of one factory which has in its employ, men who have served thirty, forty and fifty years in their service.



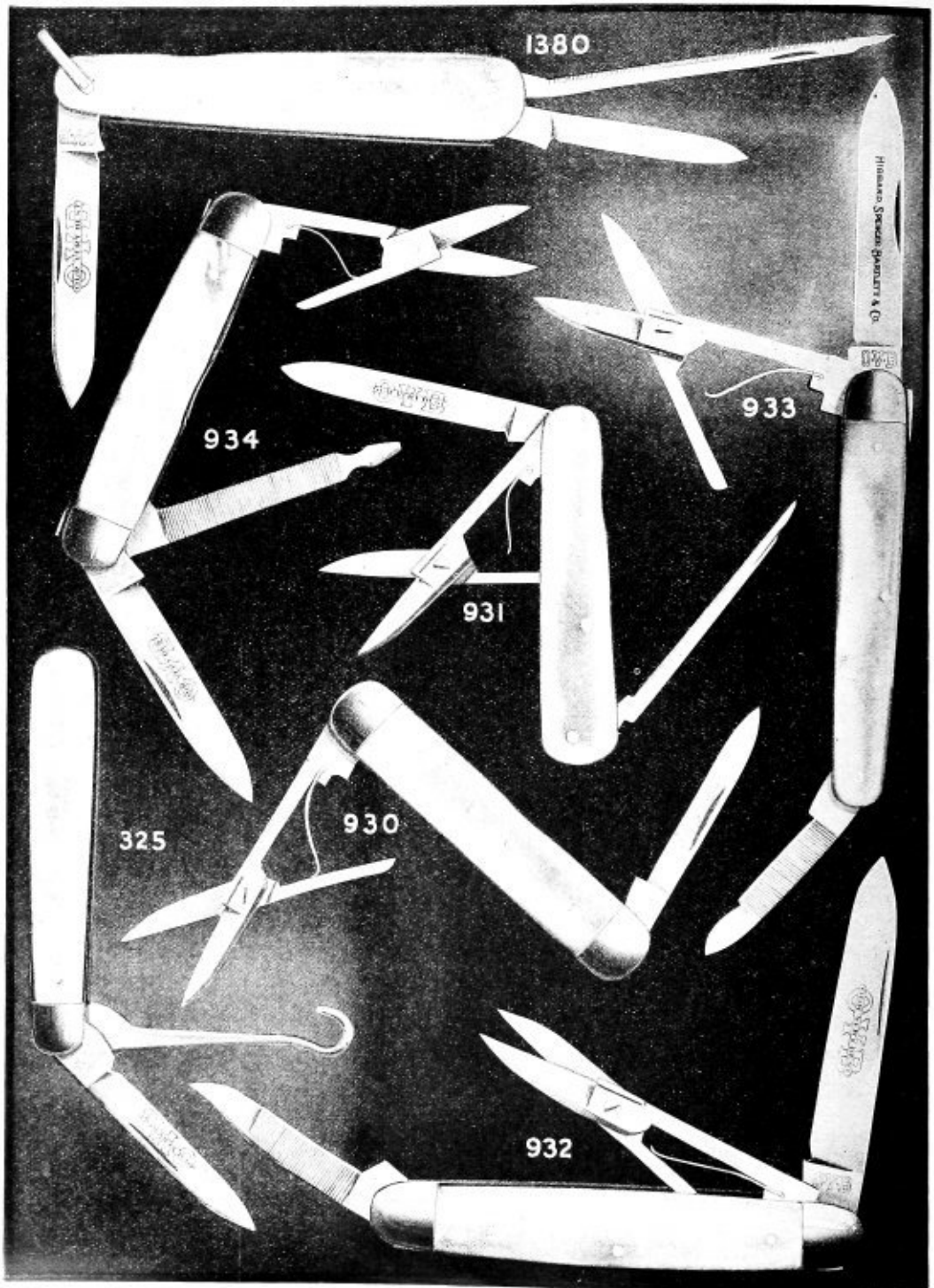
On this page are shown a few of the many styles of special etchings we do for our customers. We make no charge whatever for this work. Ask our representative to explain this proposition fully and show you samples of the work. This etching is done in our own store, making shipments promptly with other goods without delaying the order. It advertises the retailer and protects the knives from burglary.



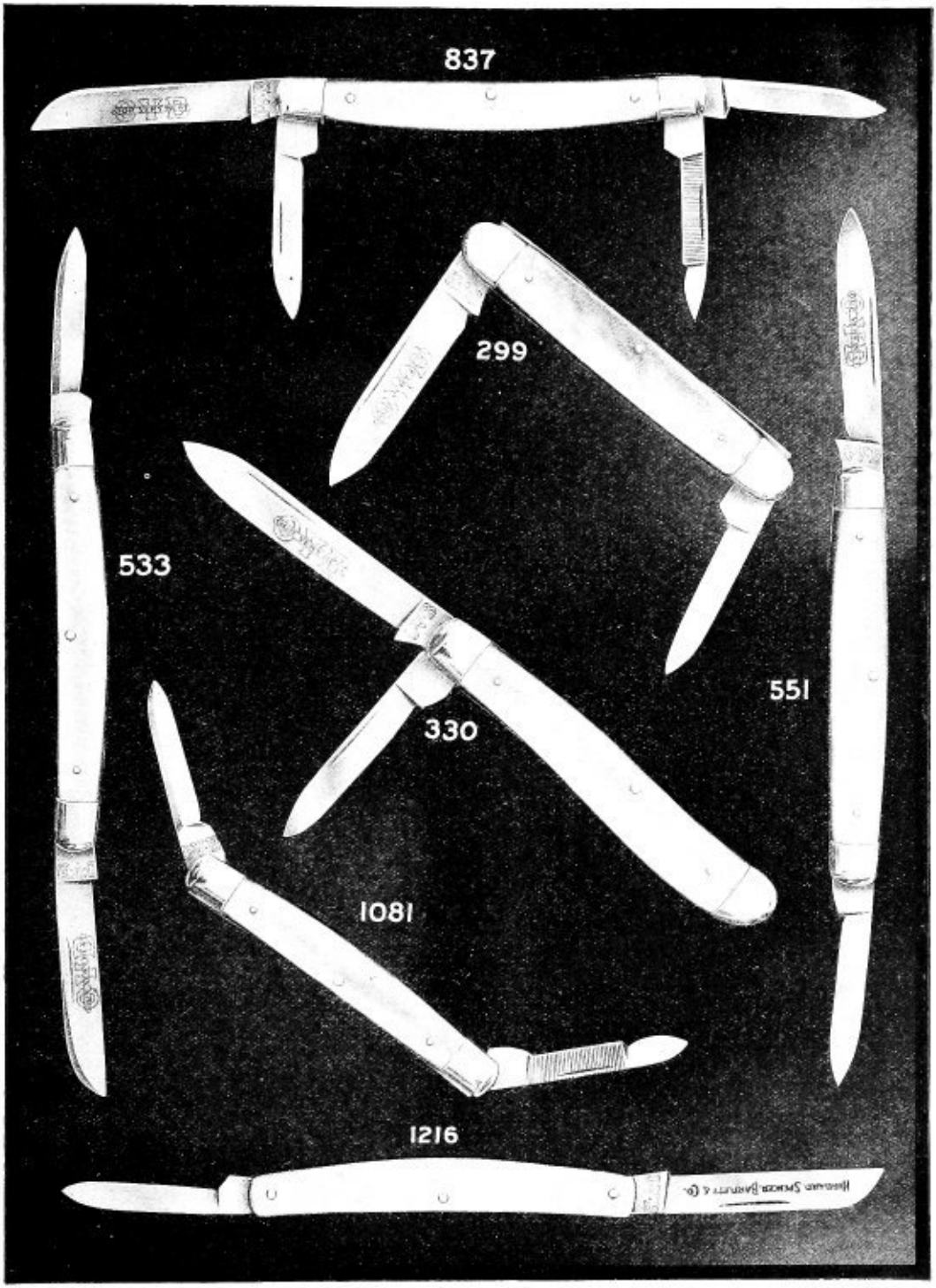
FOR PRICES AND DESCRIPTION SEE PAGES 1633 TO 1633-15 INCLUSIVE



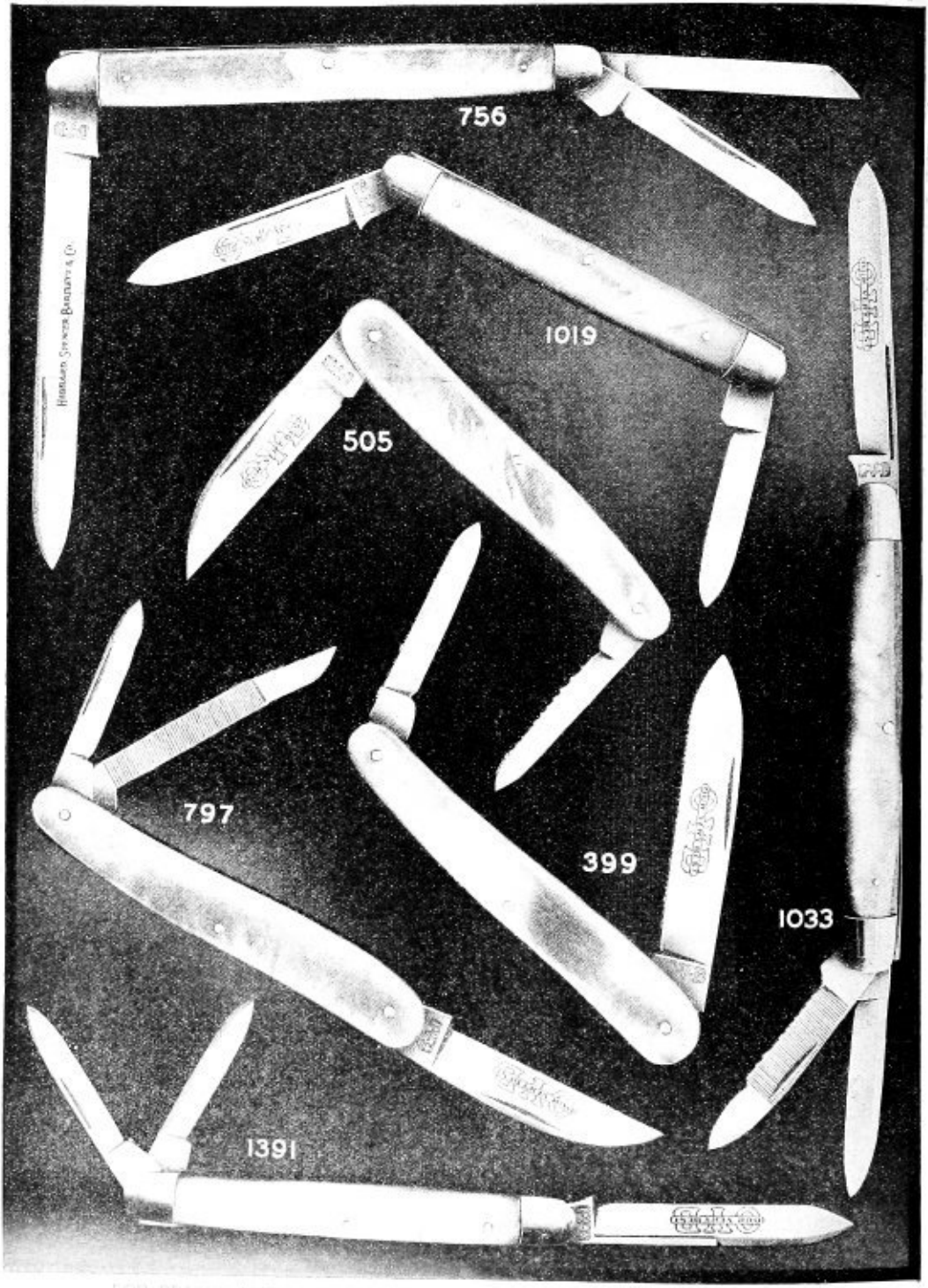
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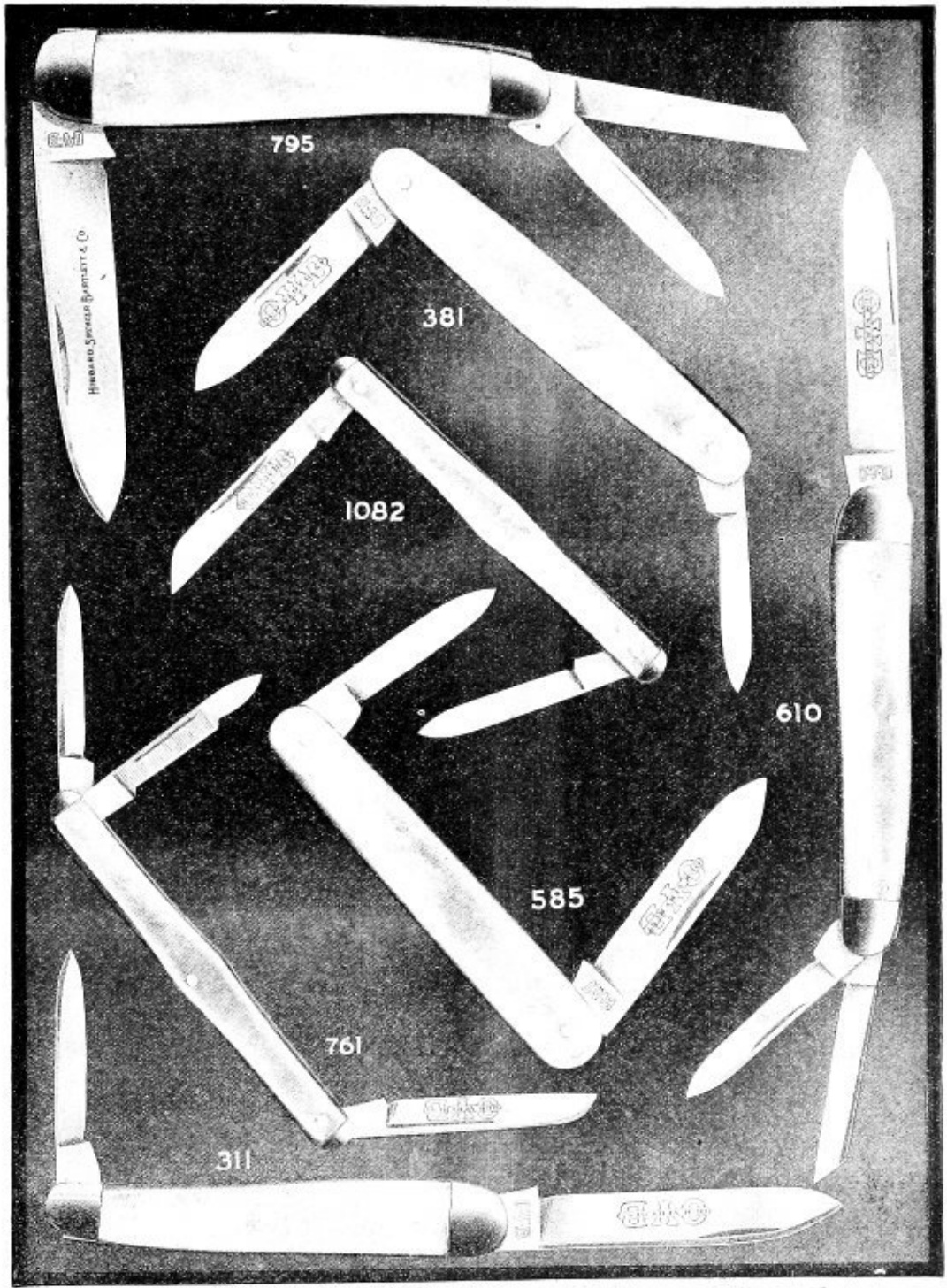
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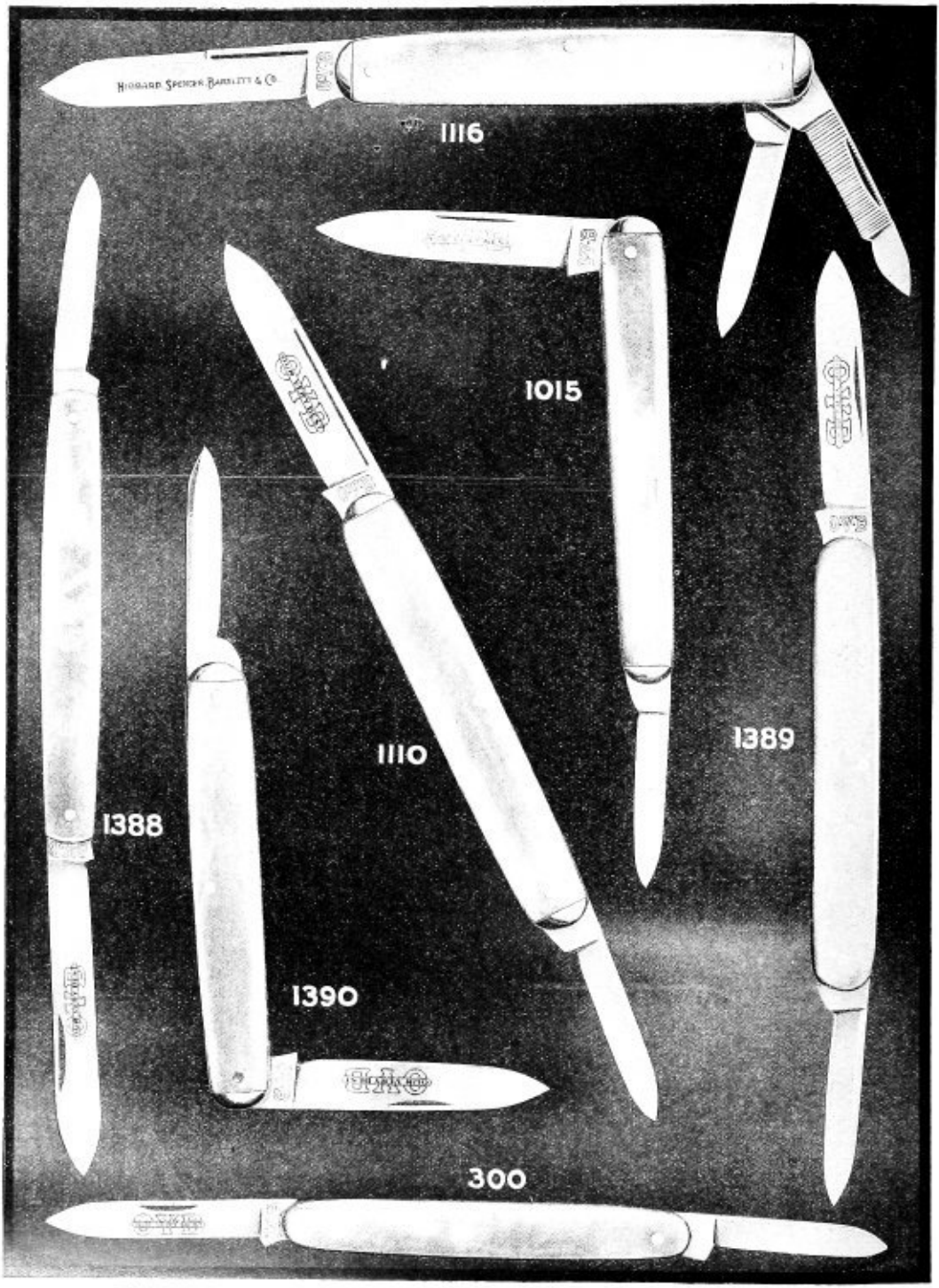
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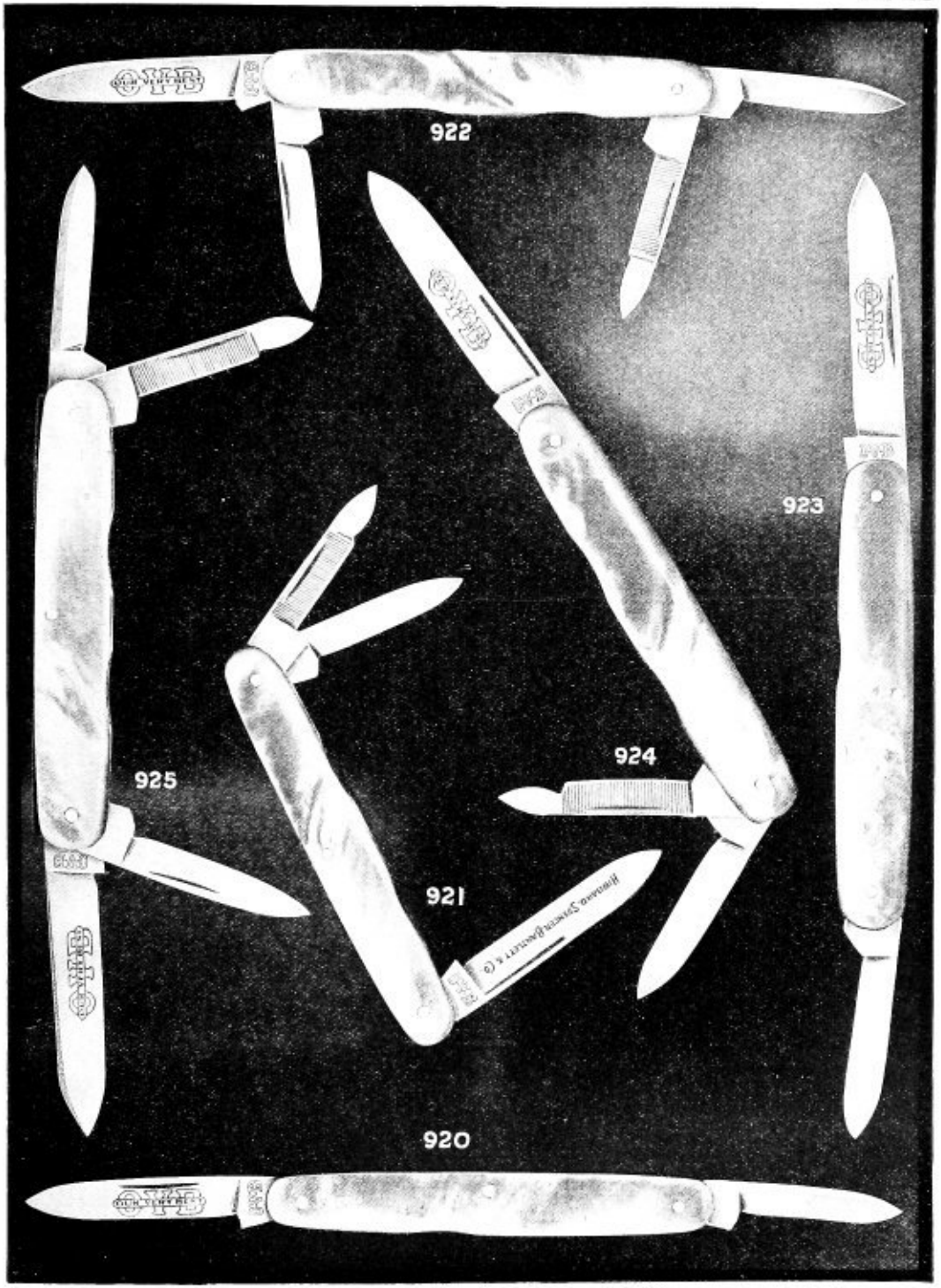
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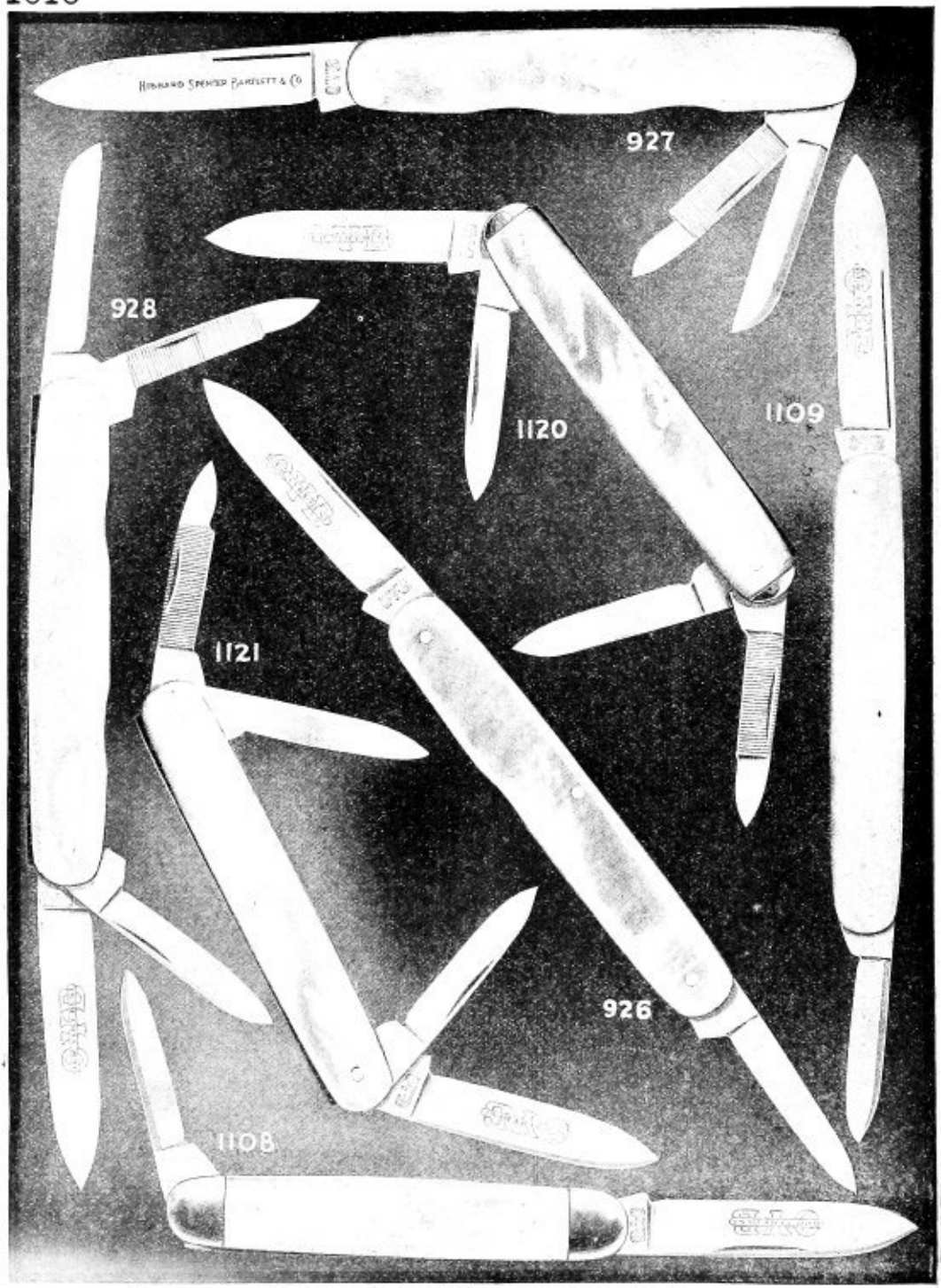
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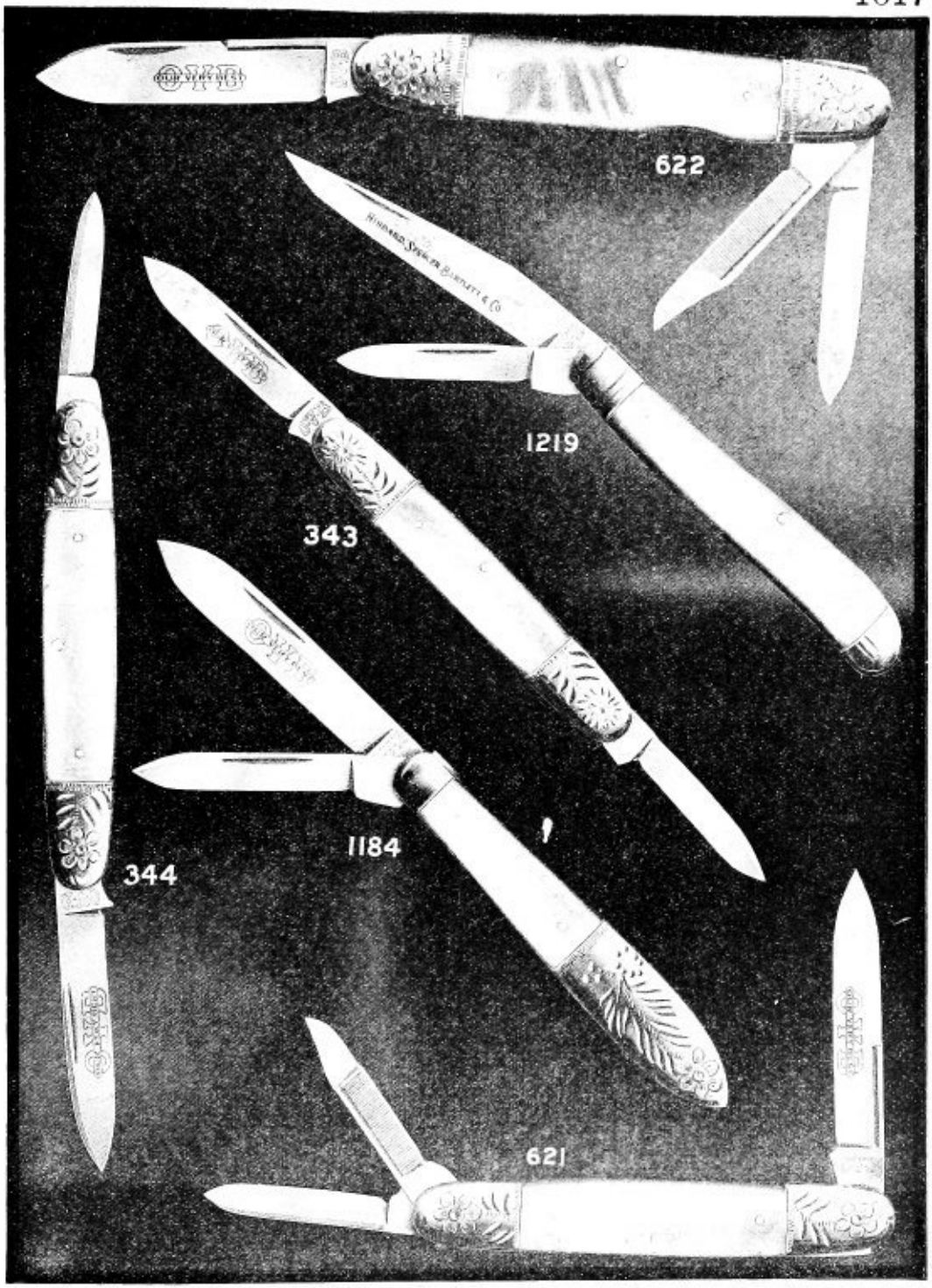
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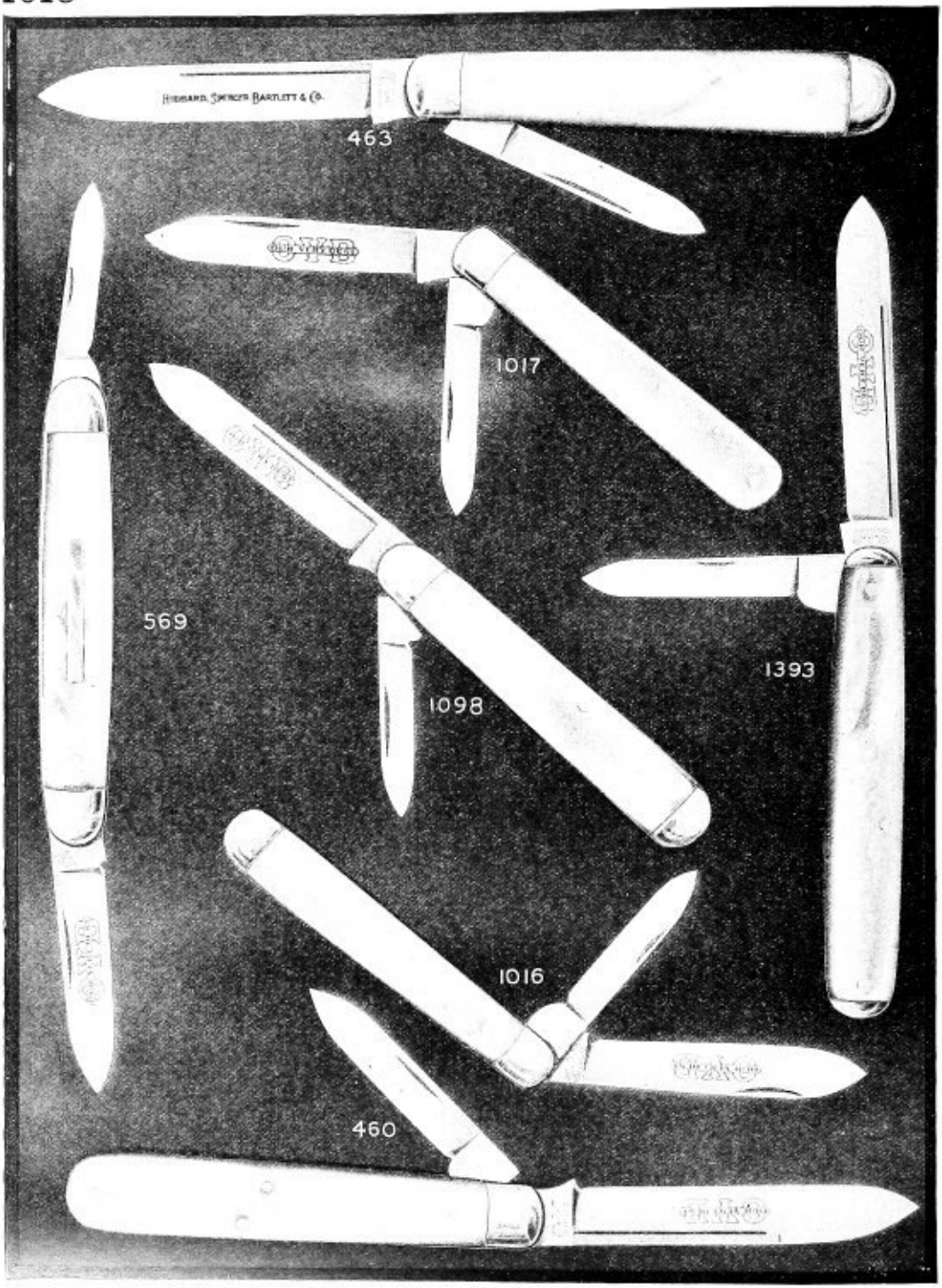
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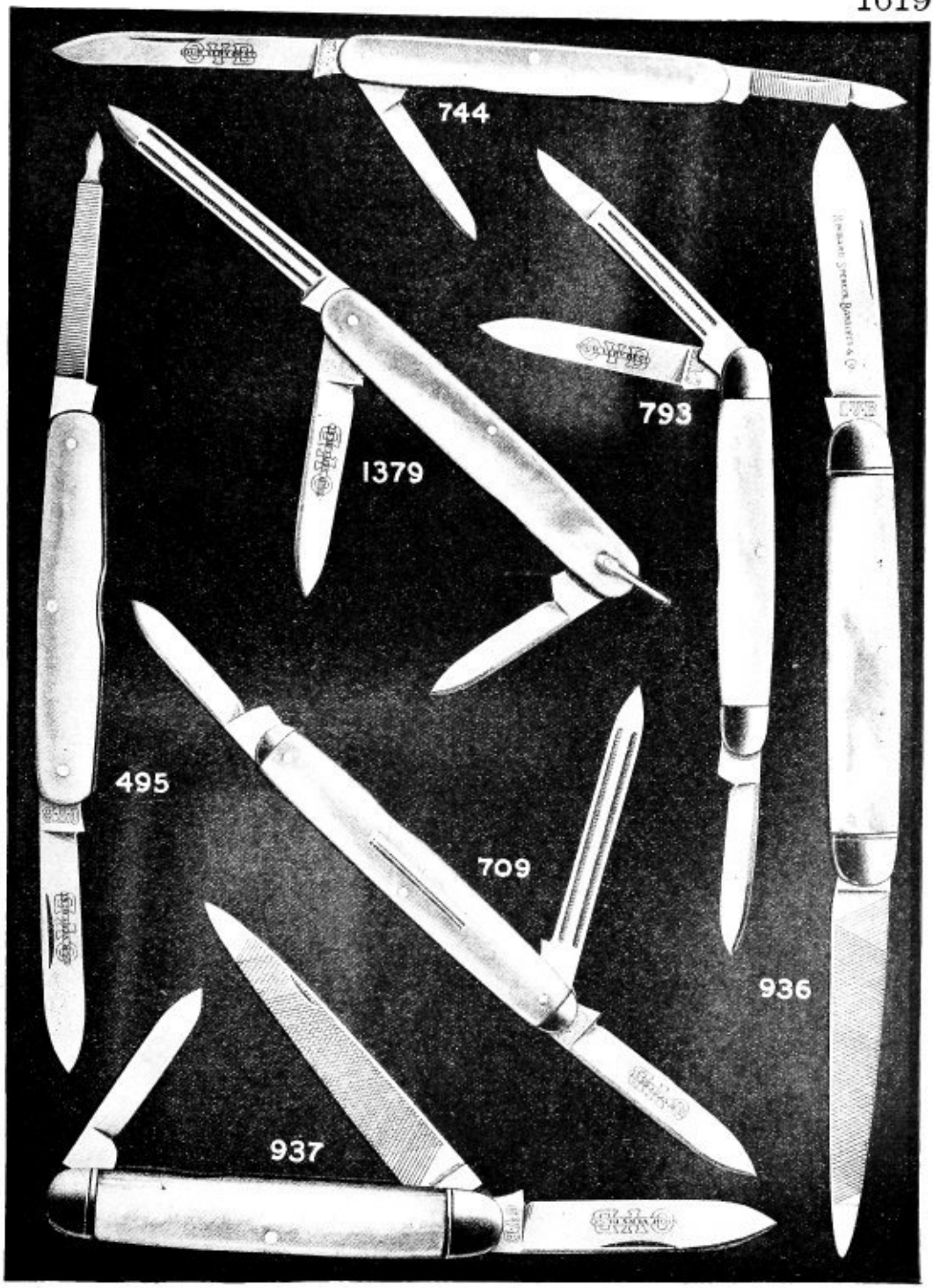
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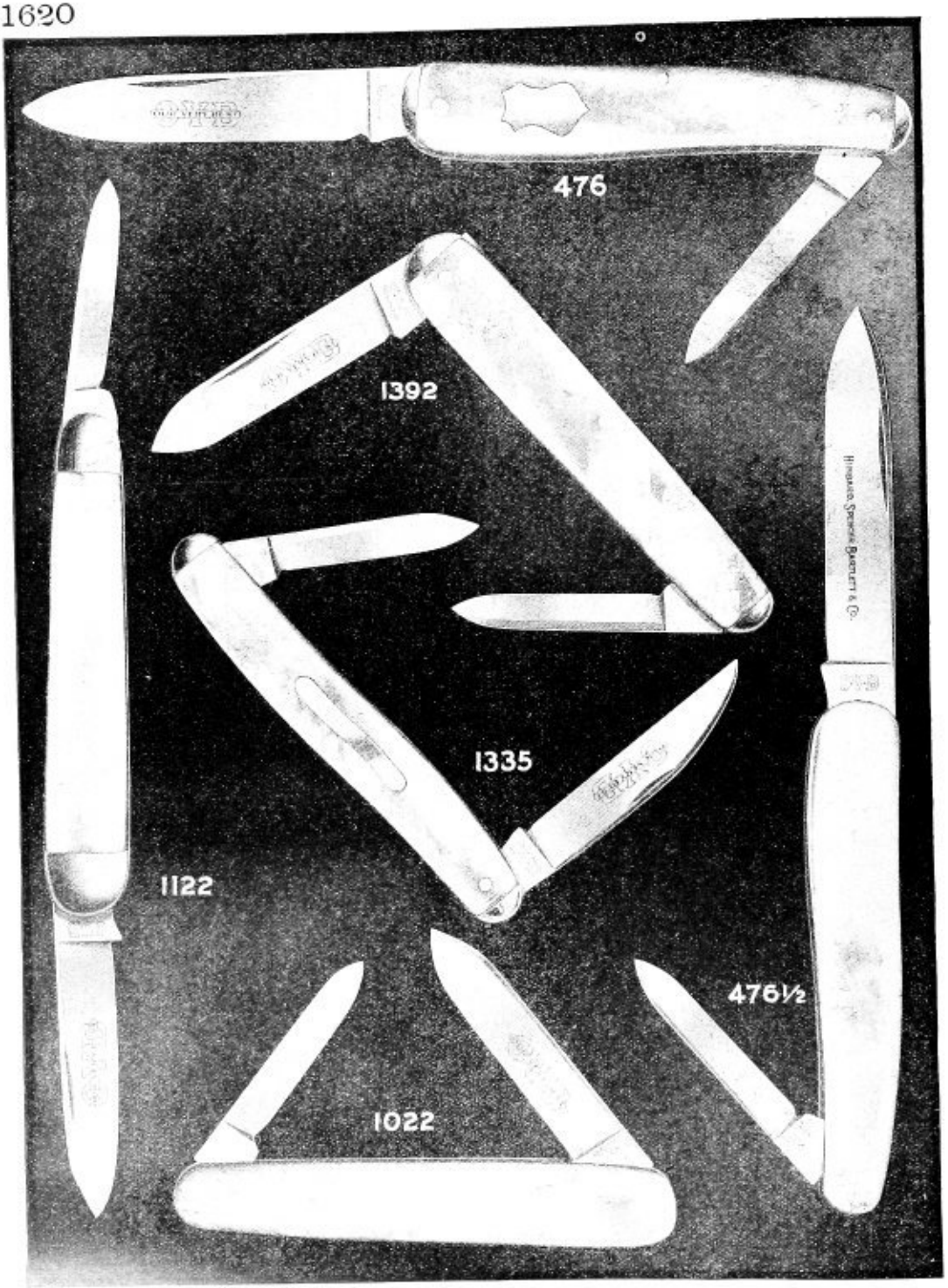
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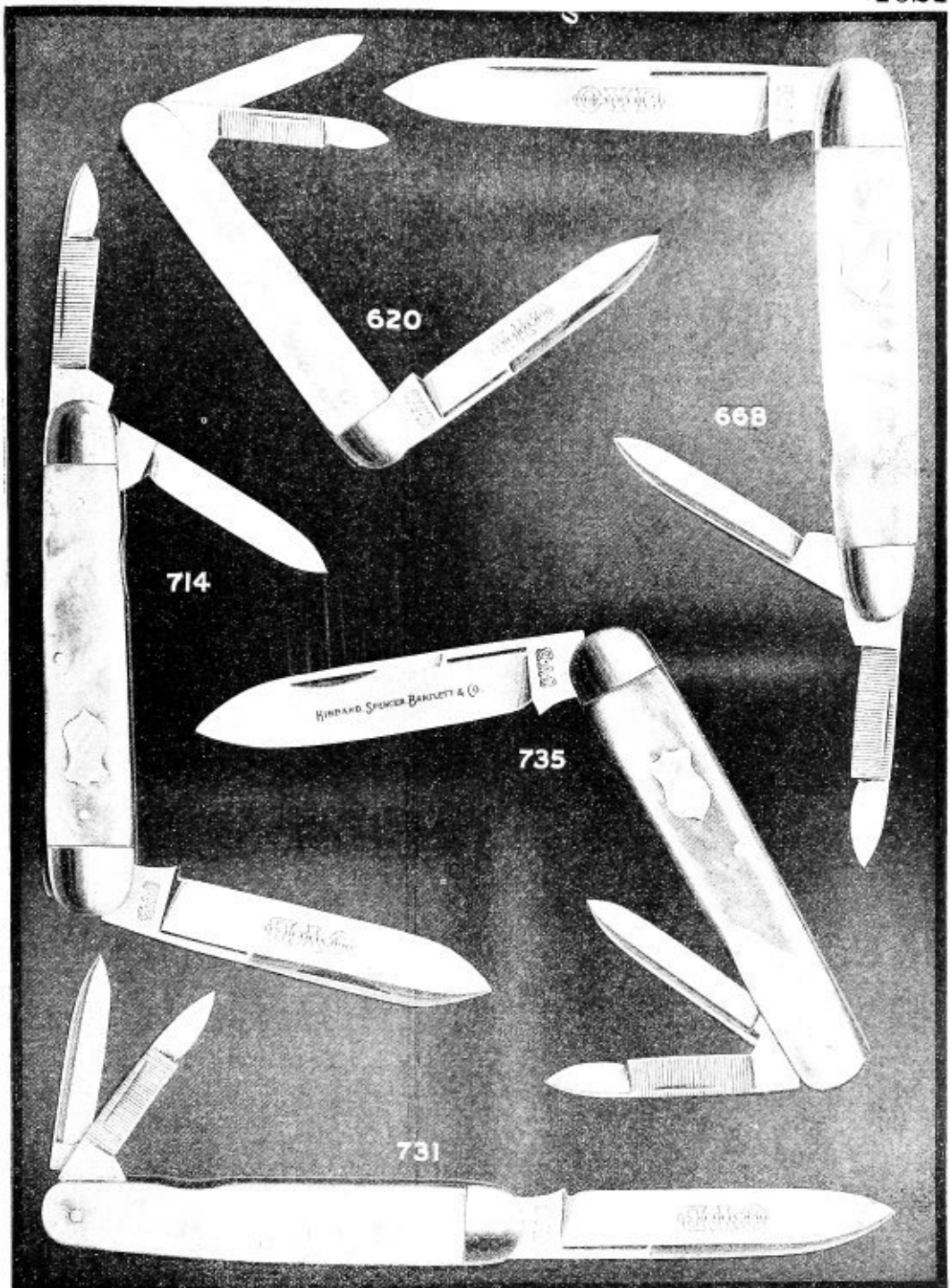
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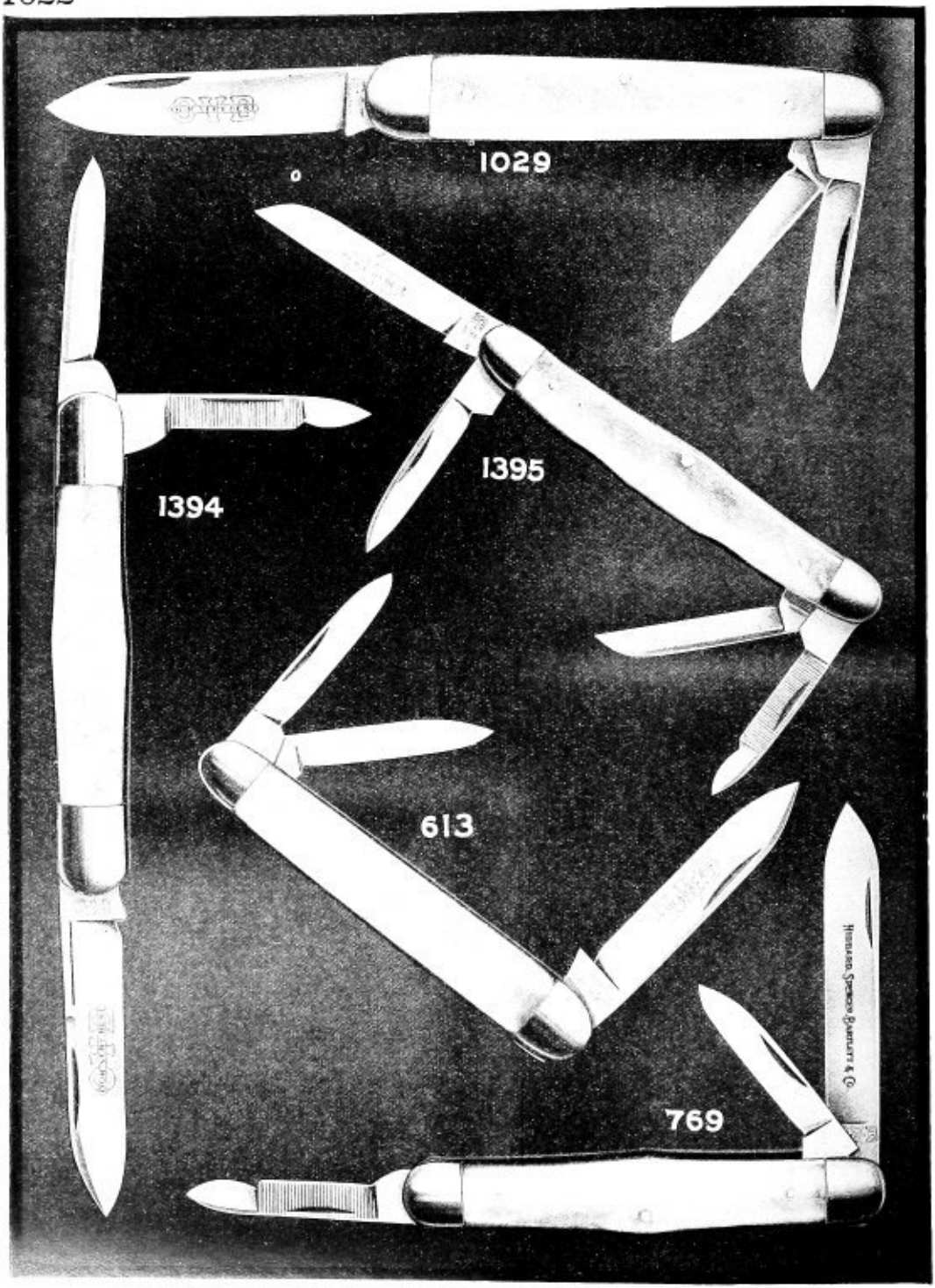
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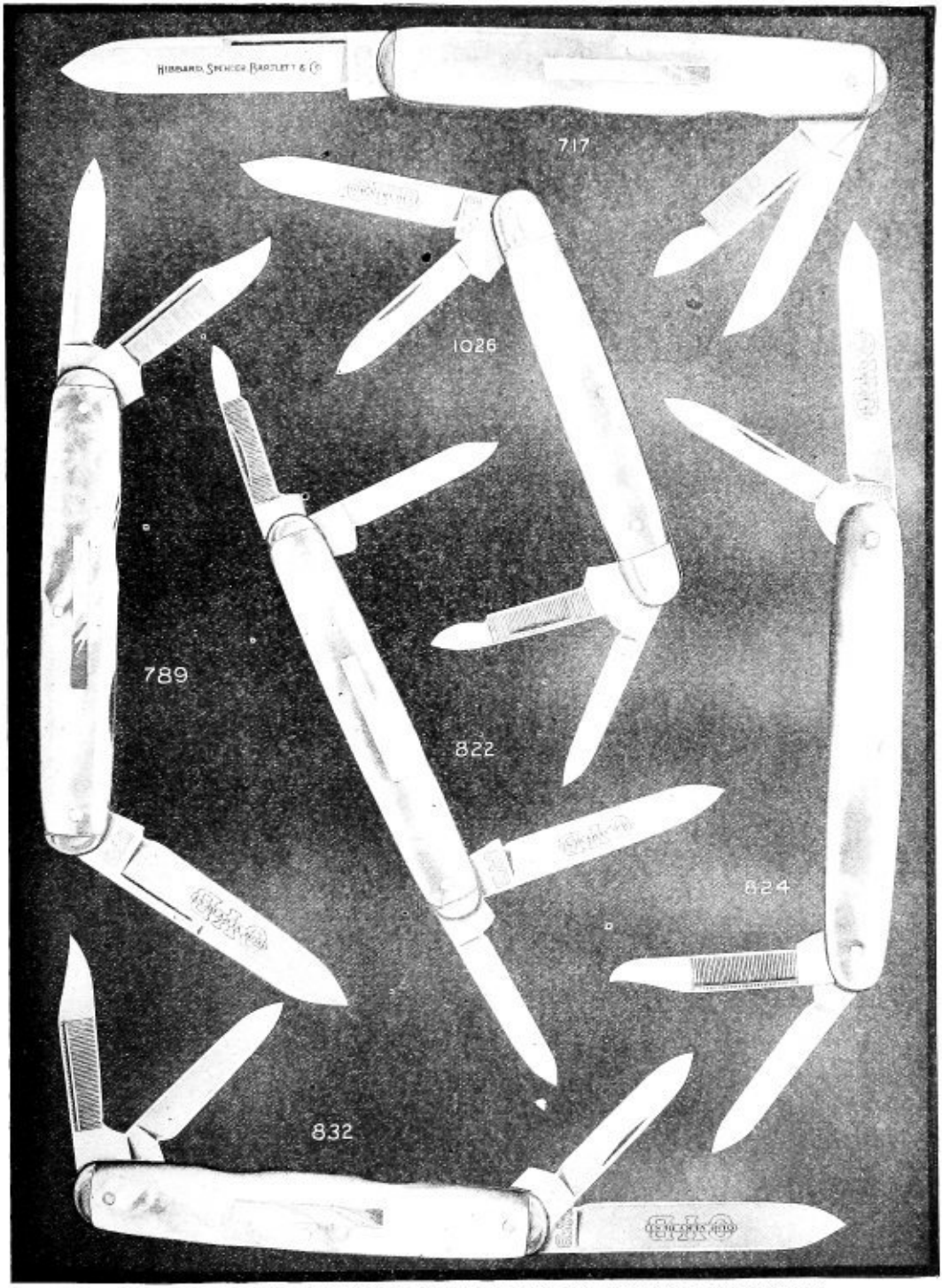
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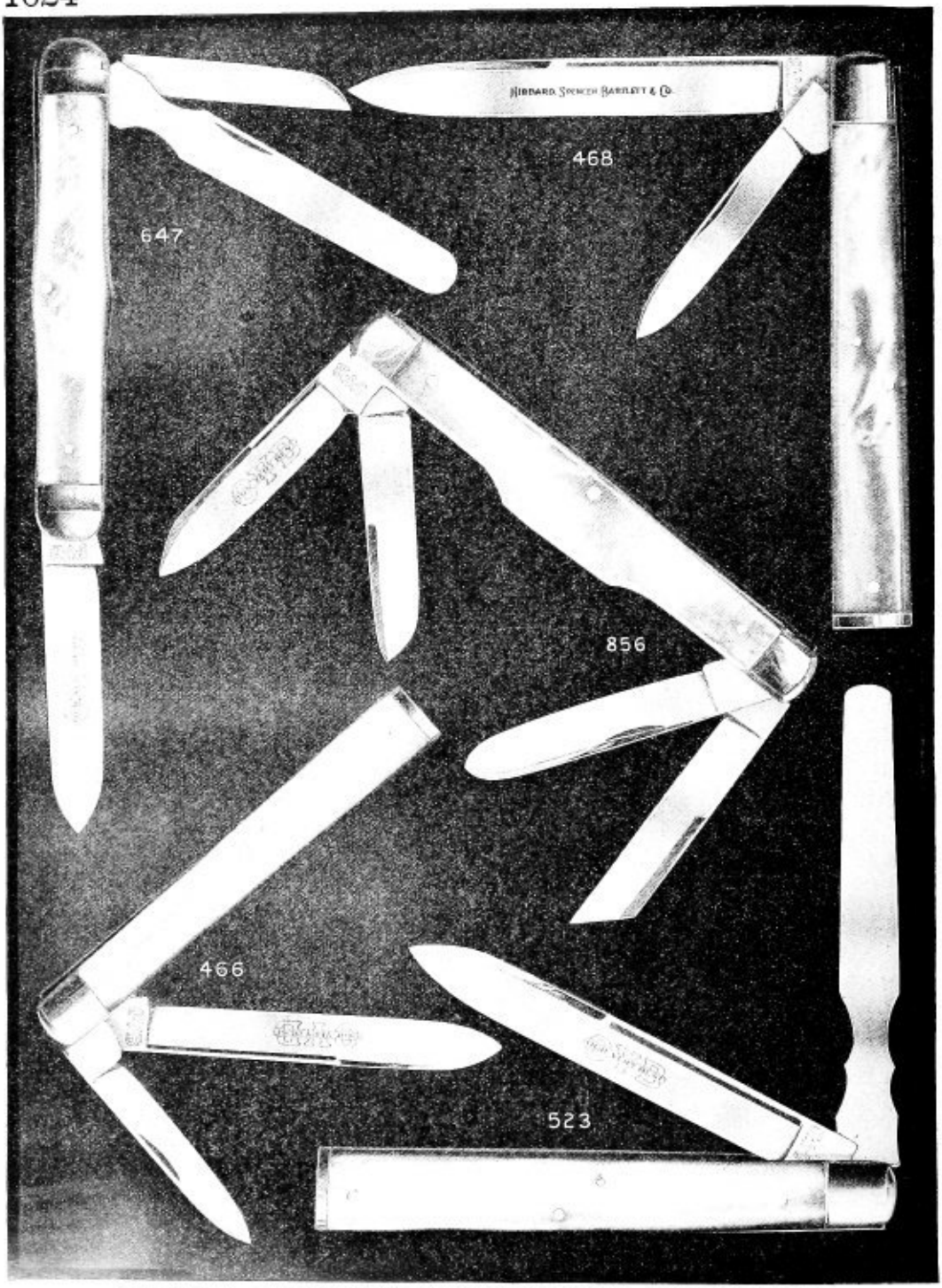
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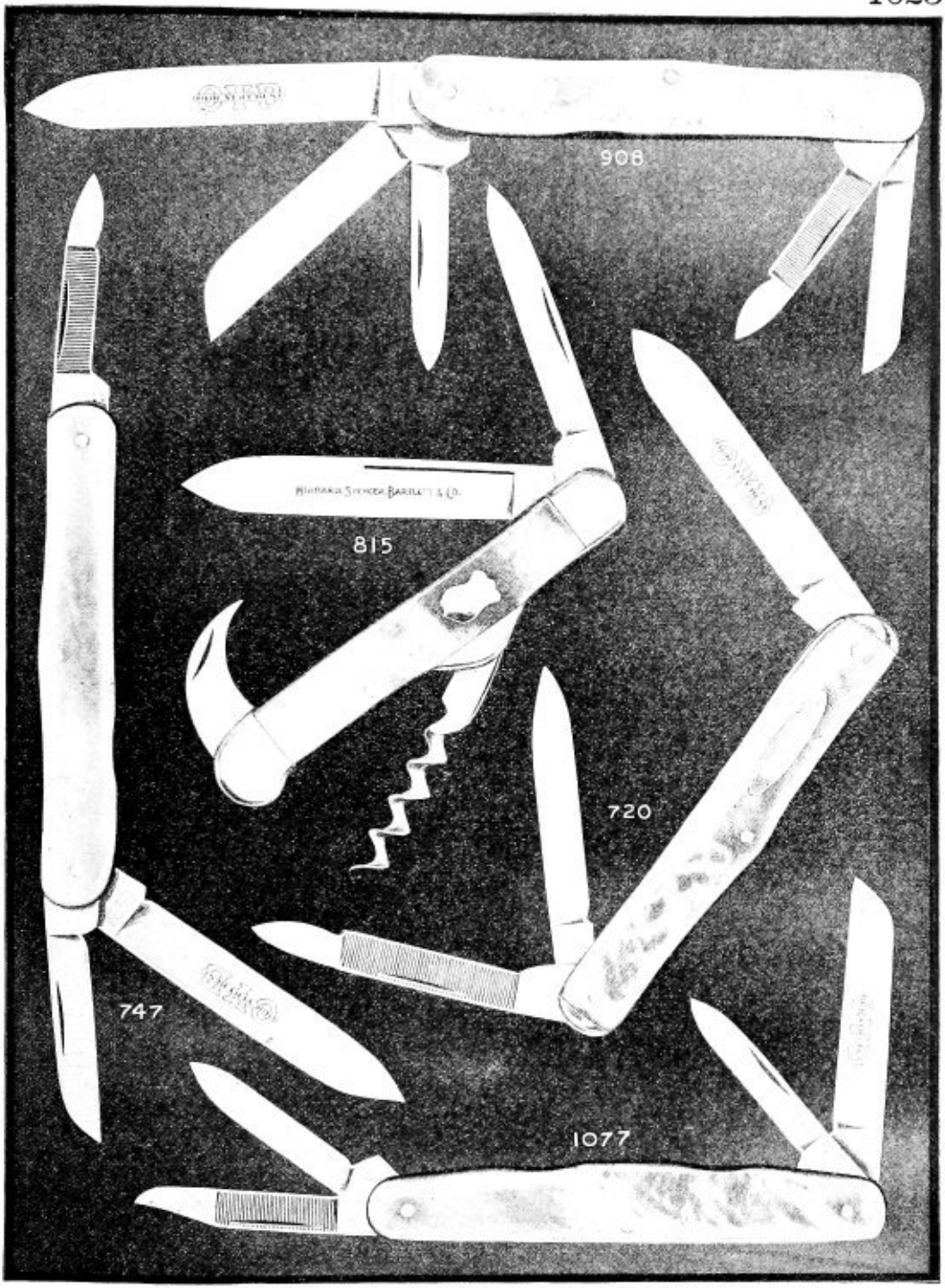
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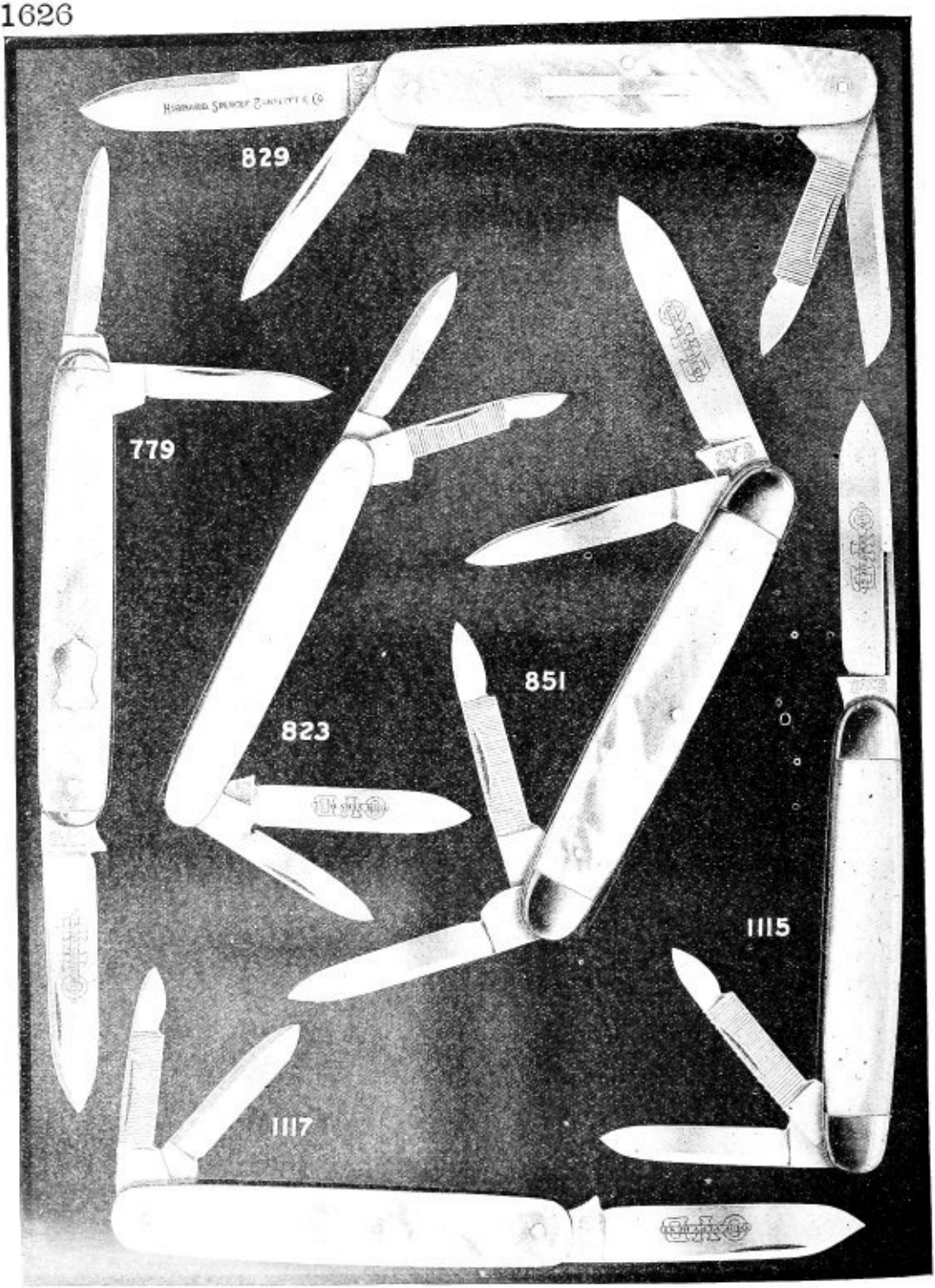
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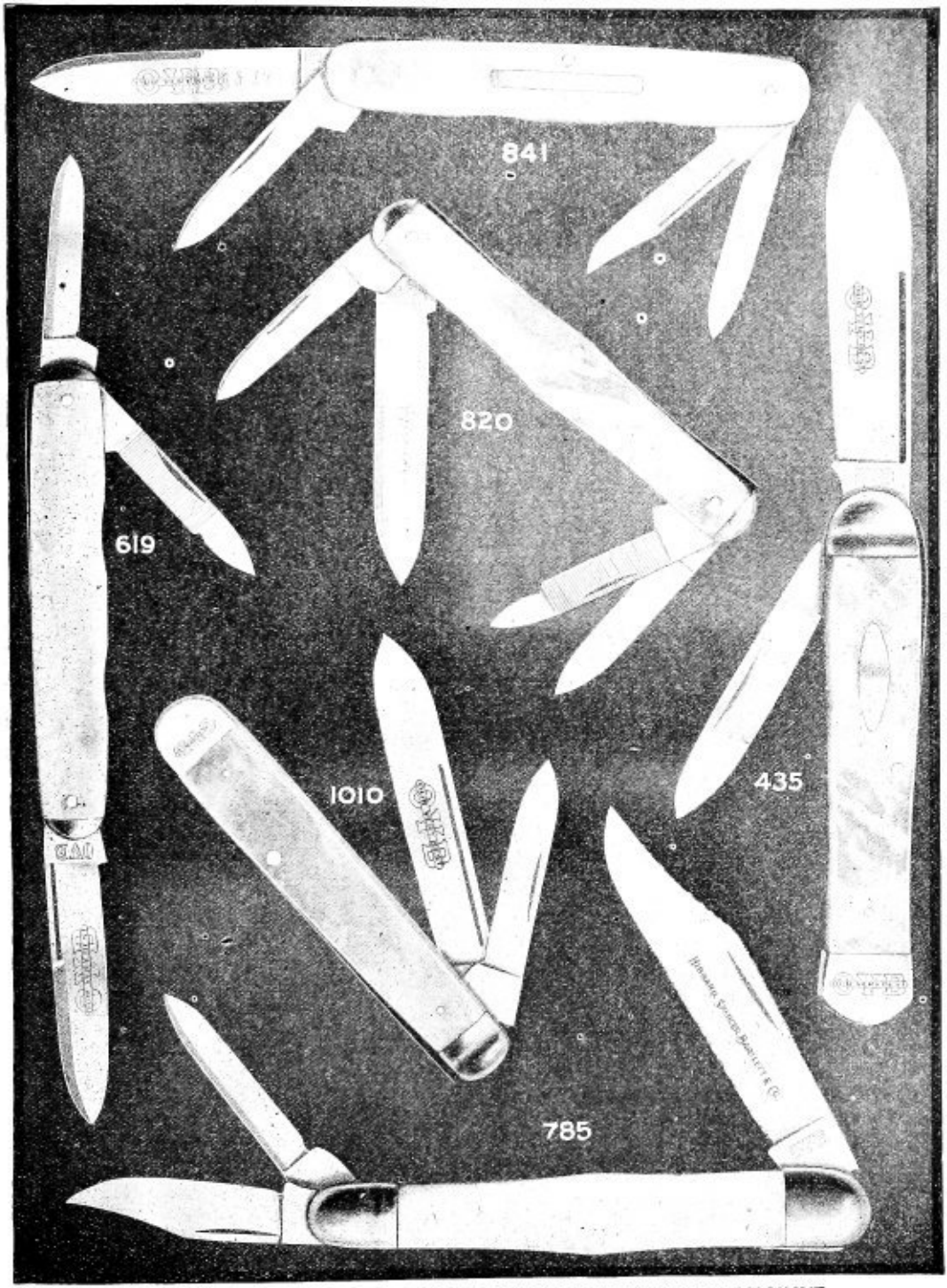
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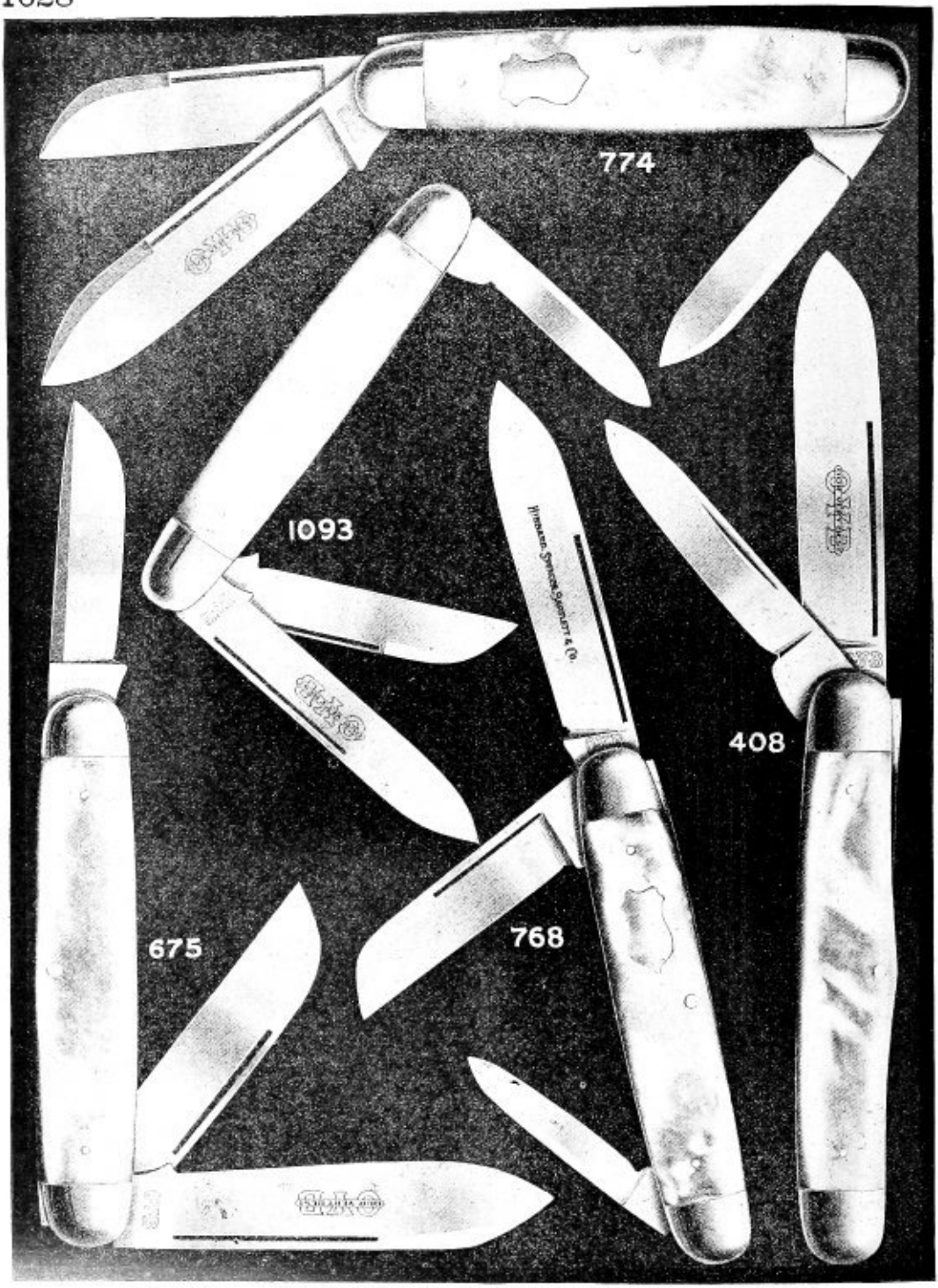
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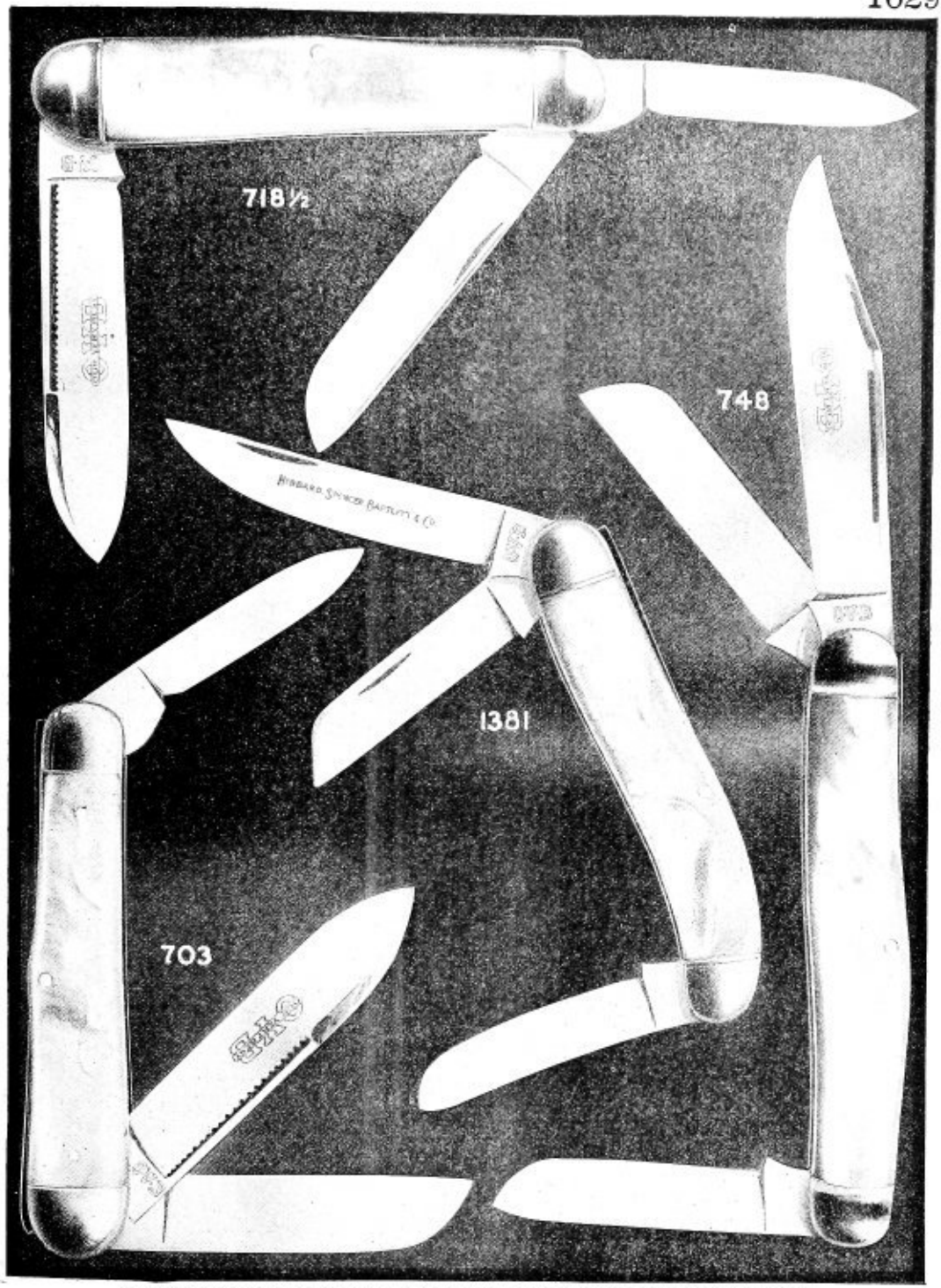
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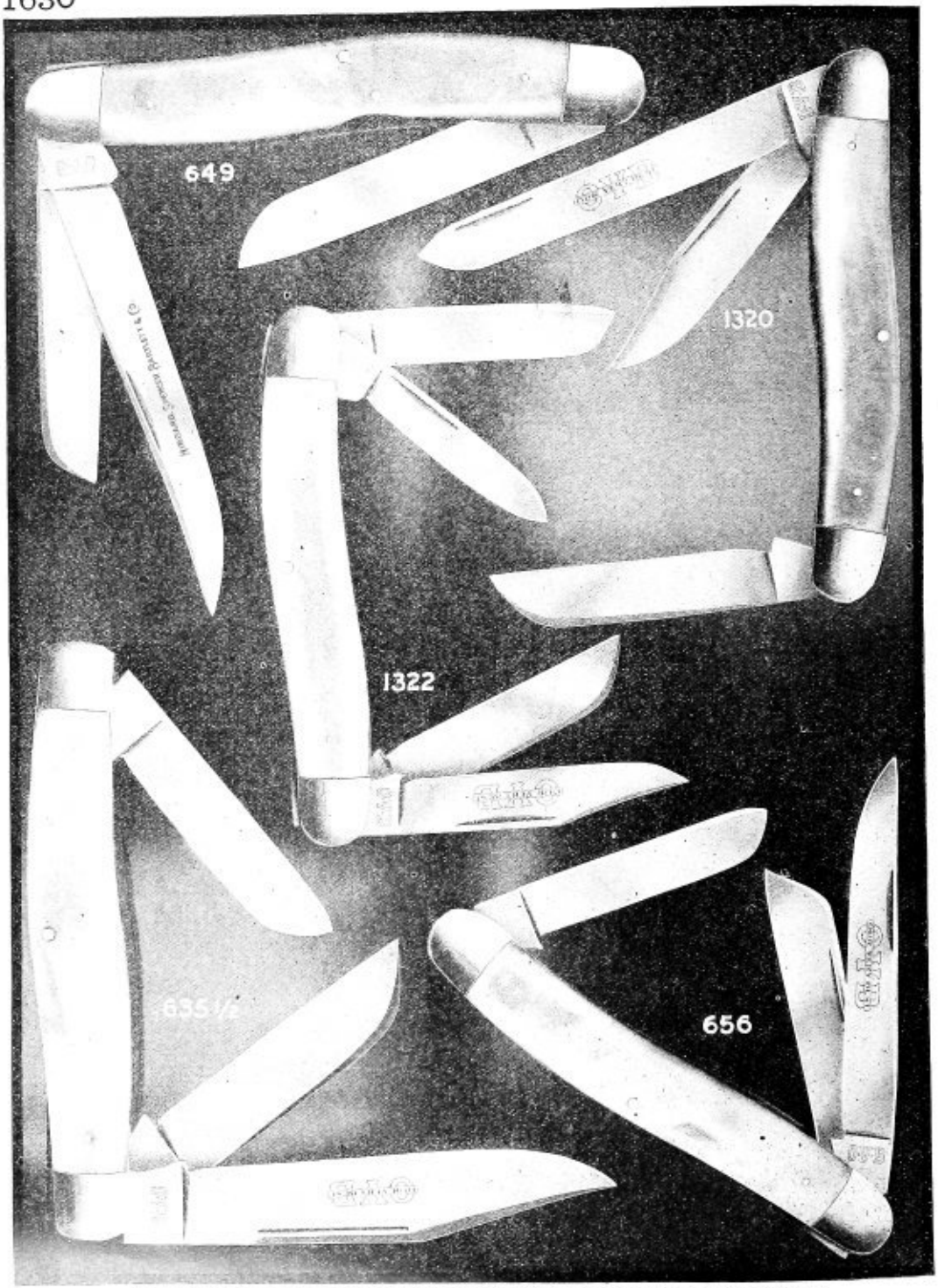
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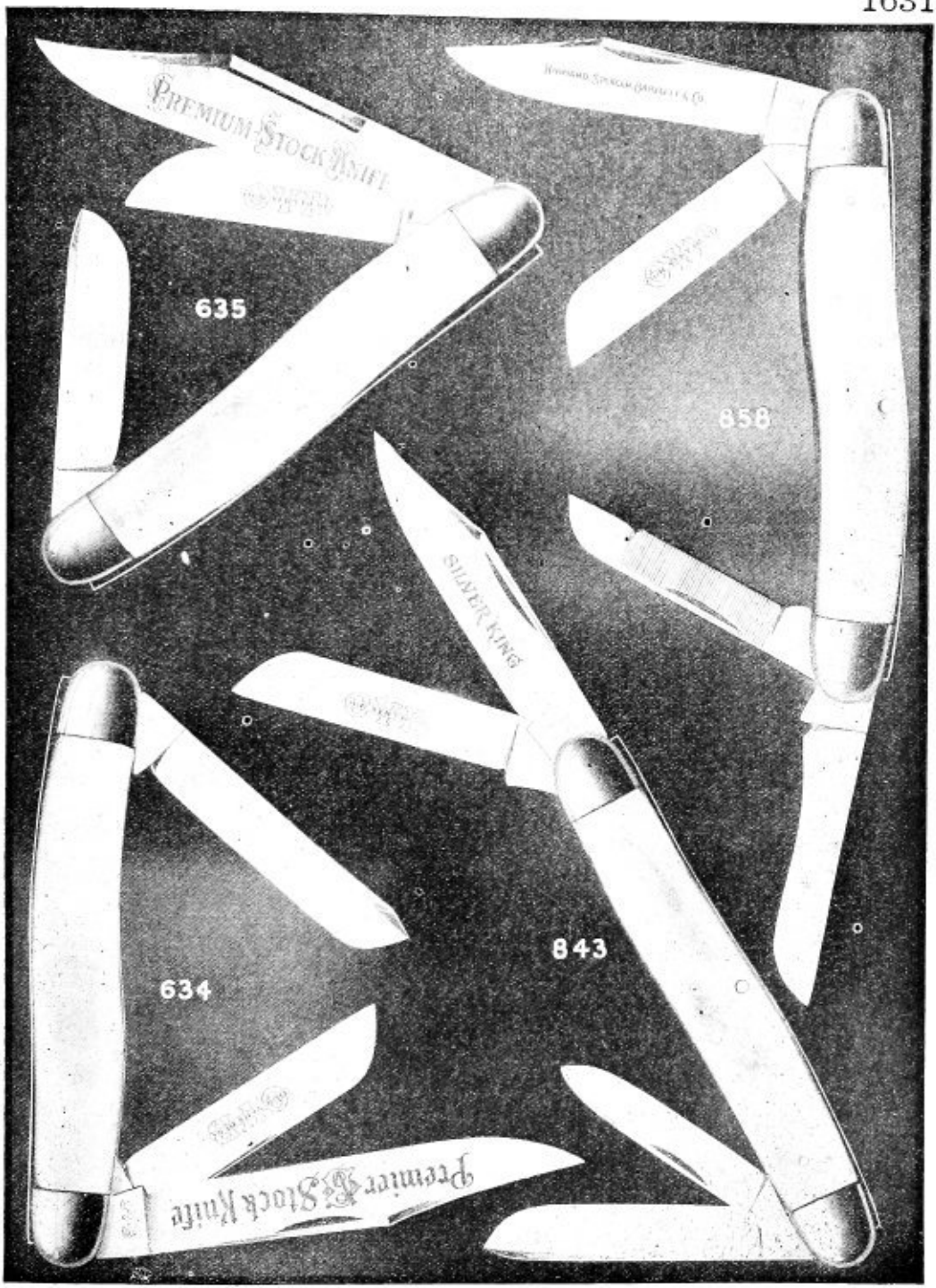
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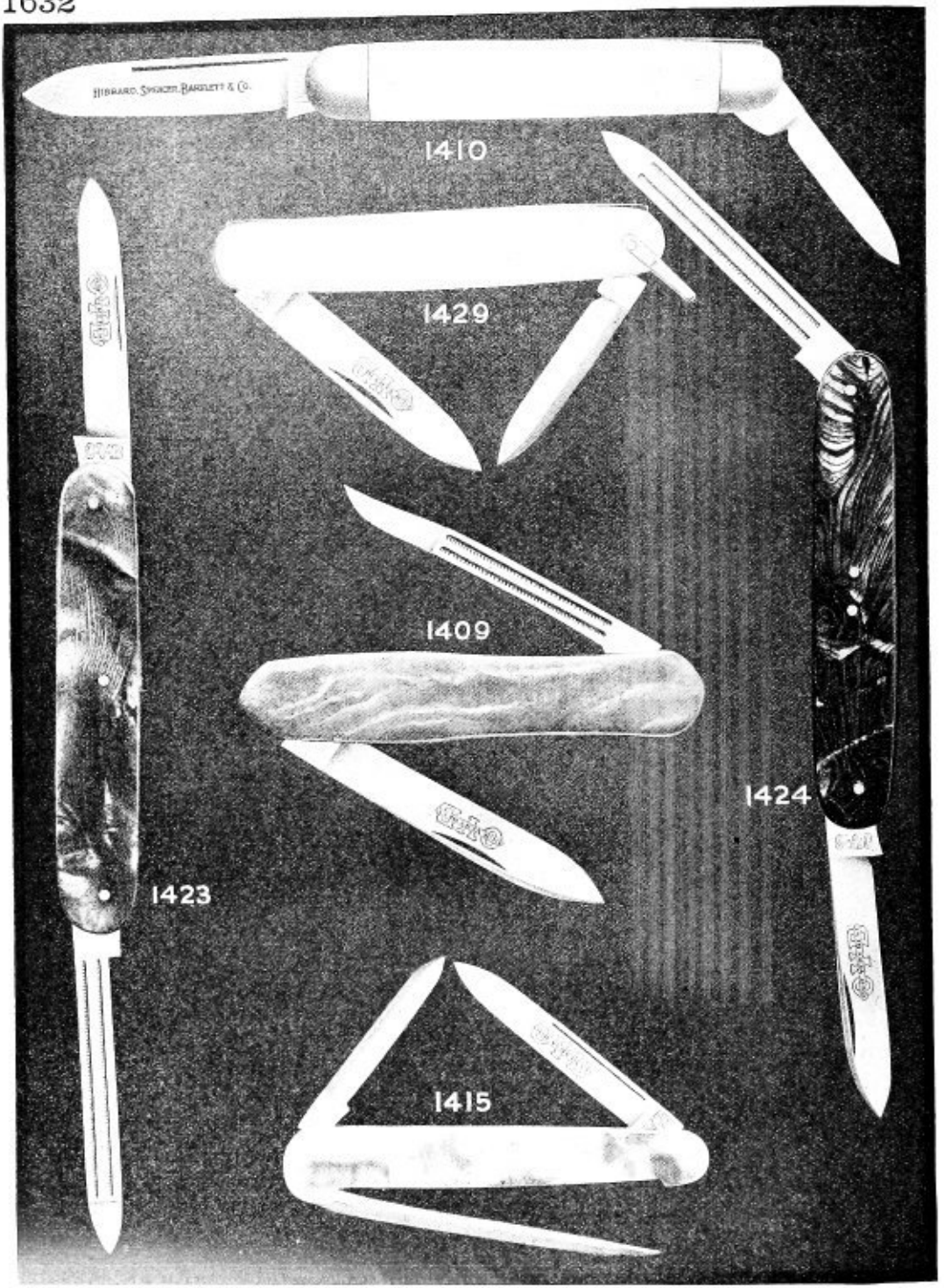
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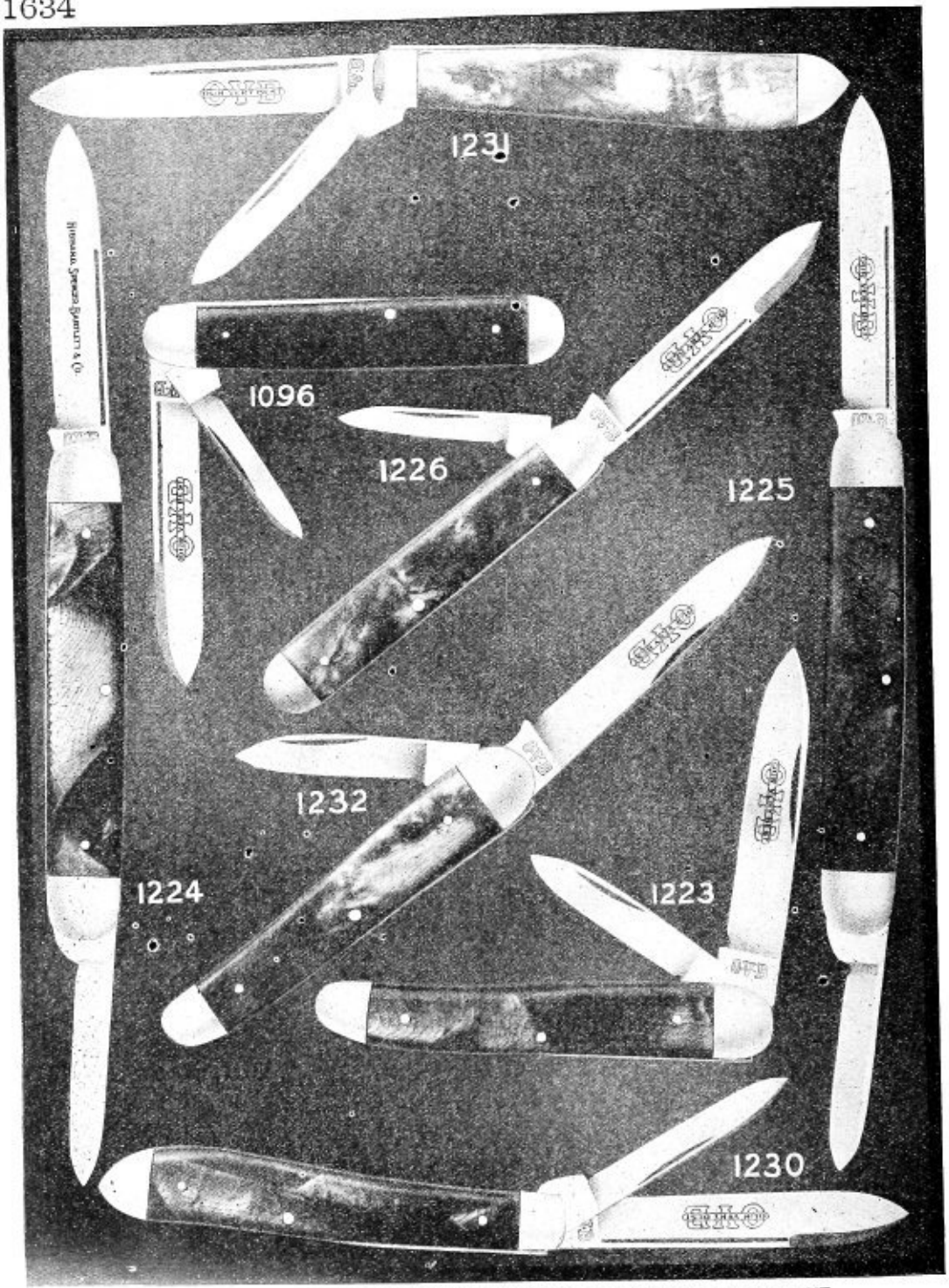
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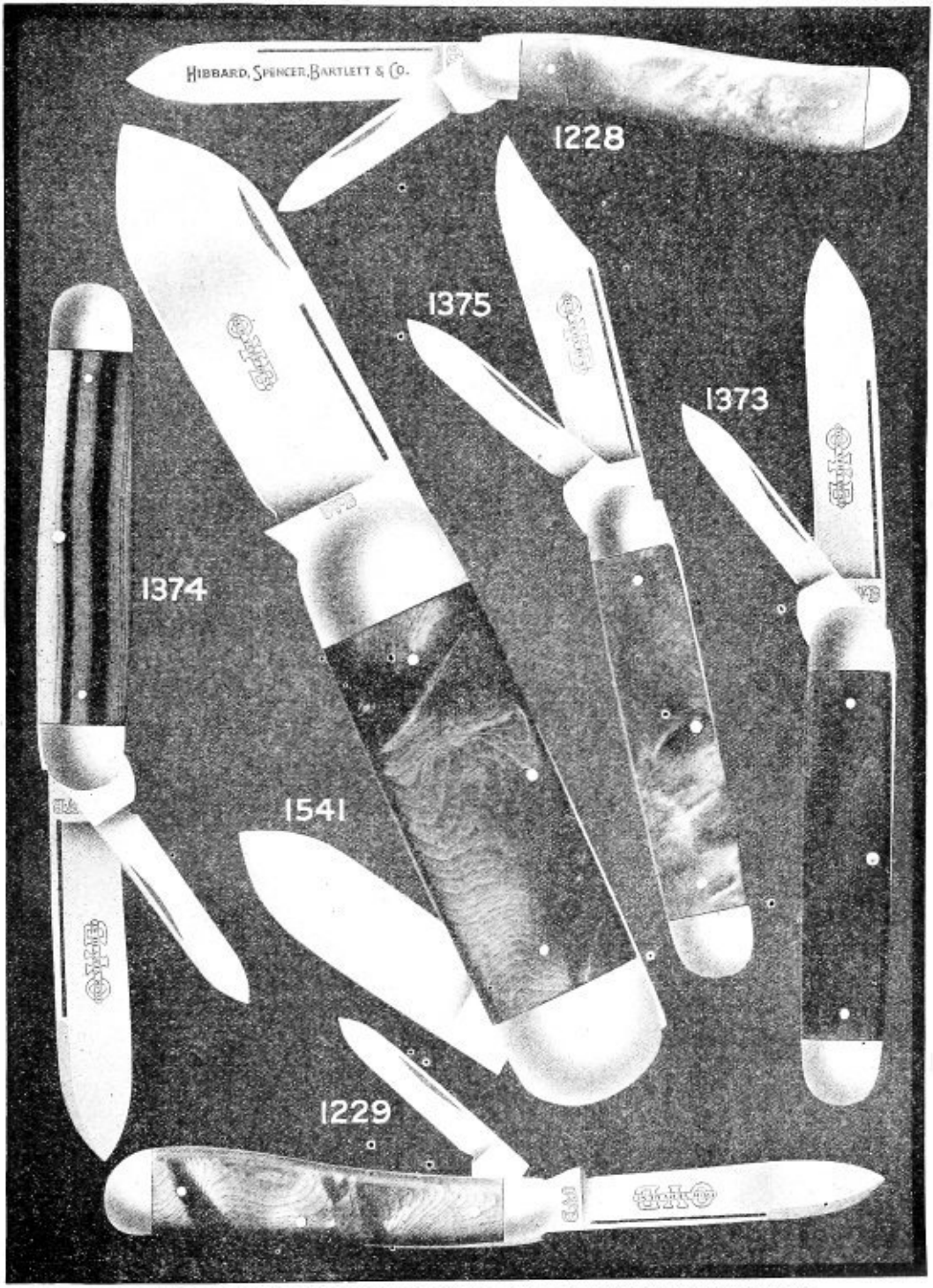
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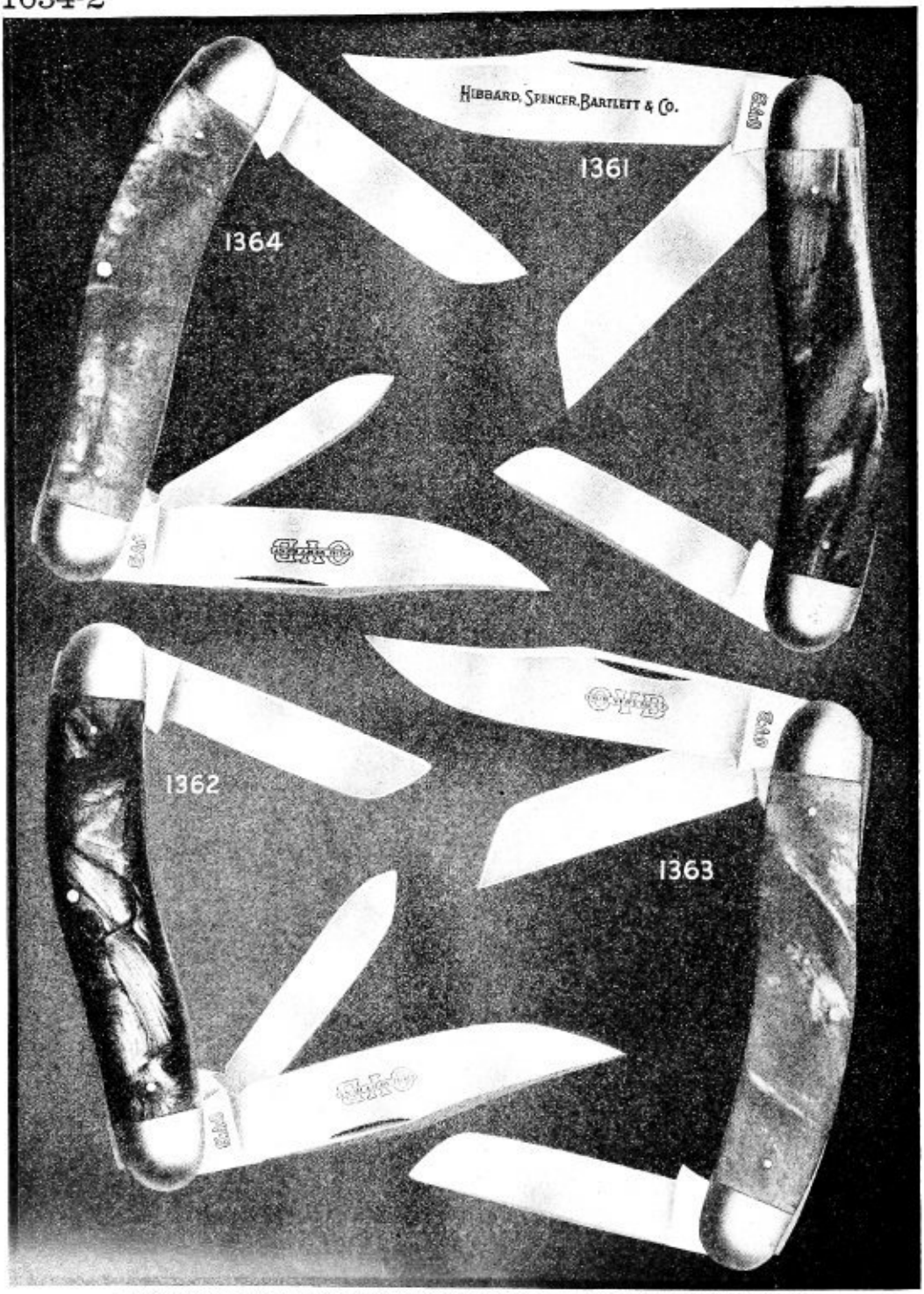
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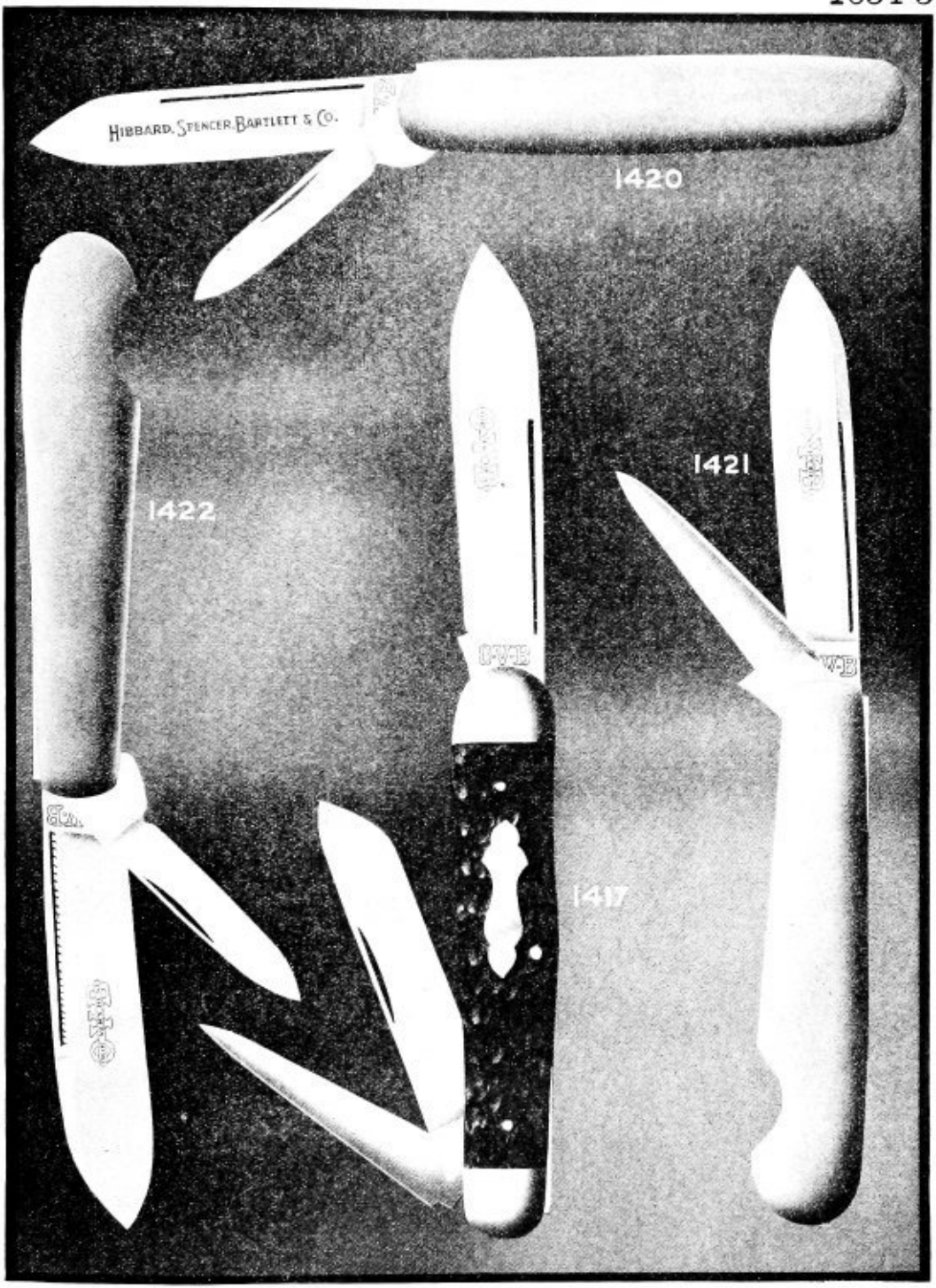
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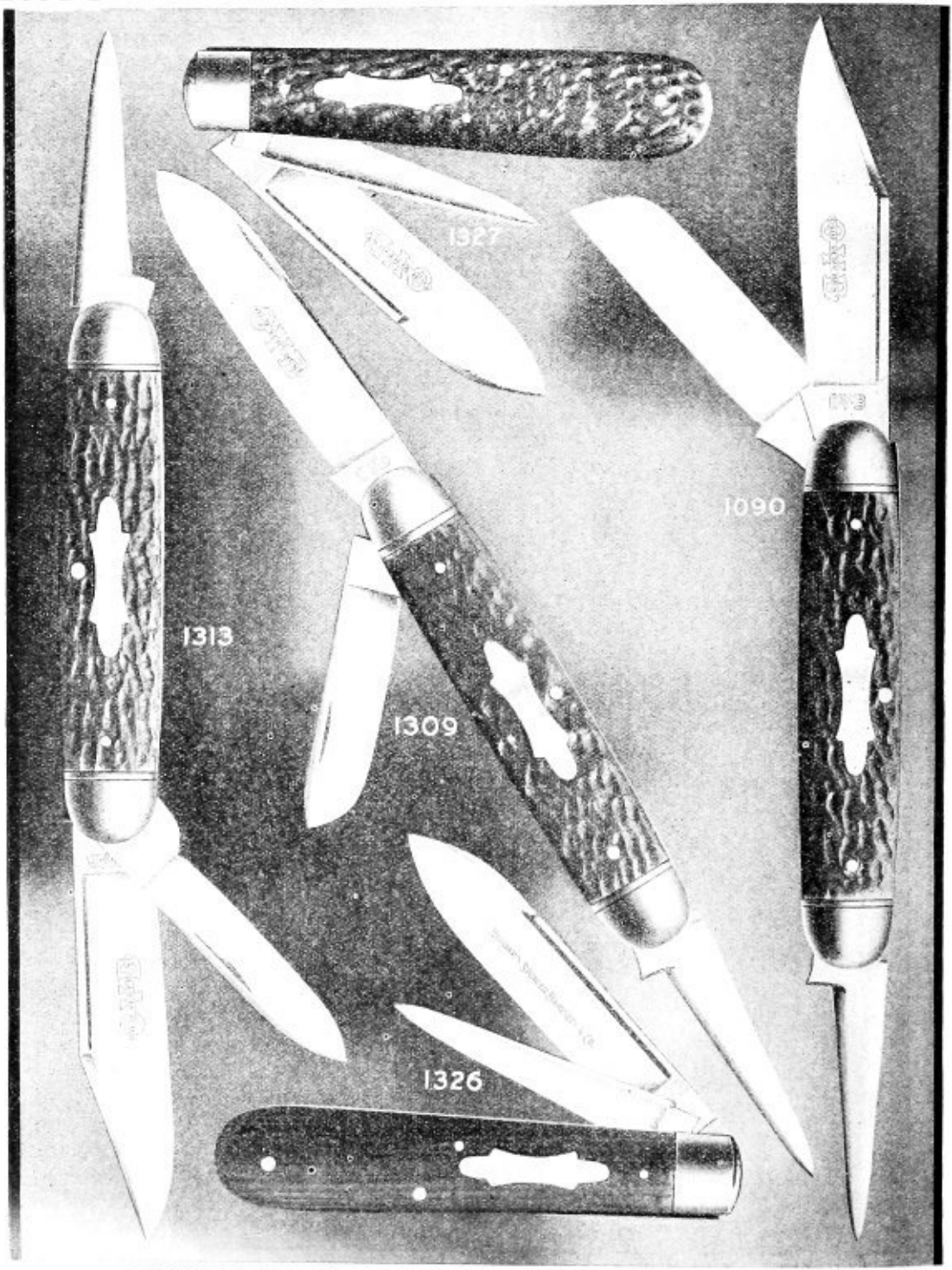
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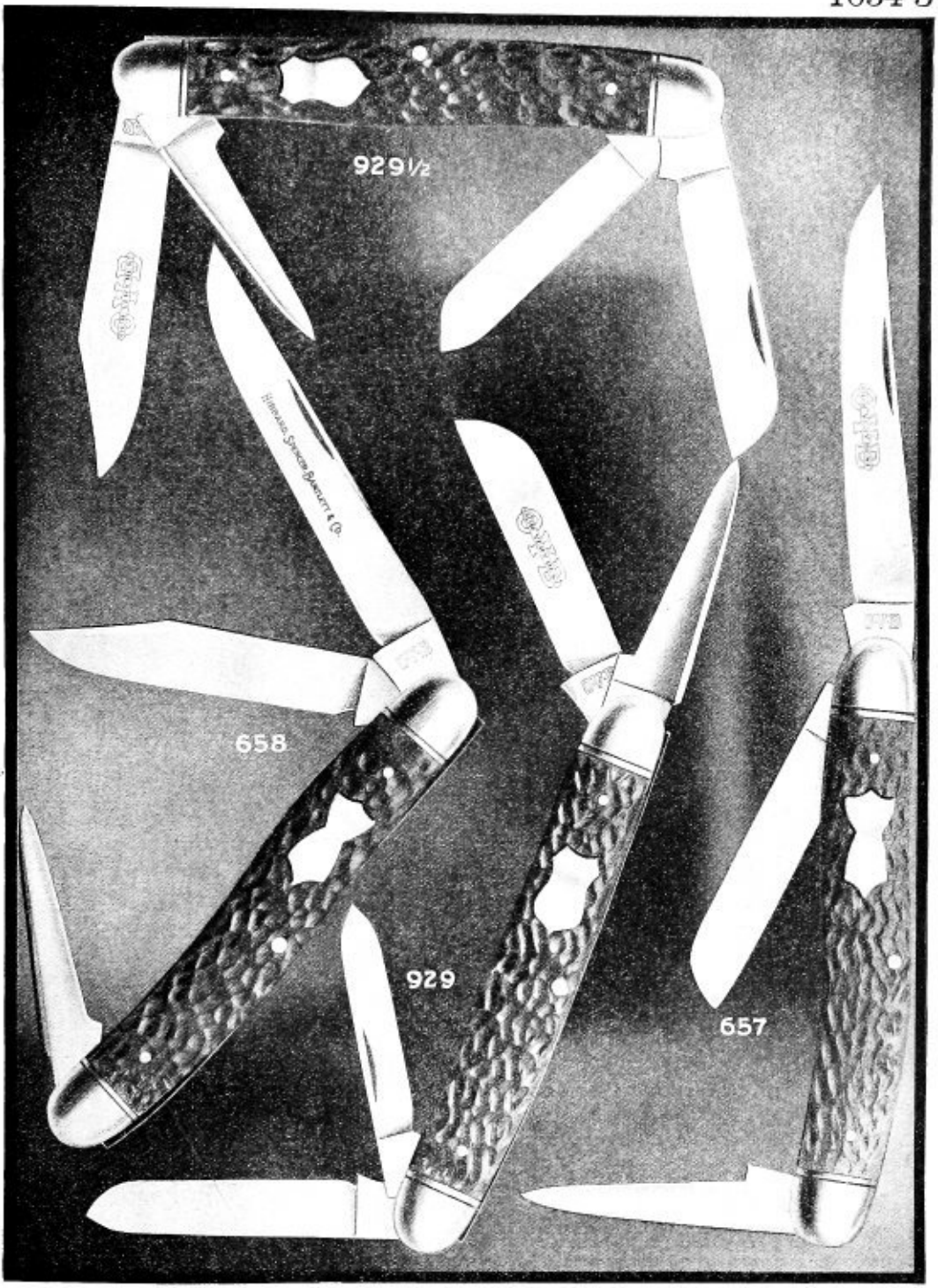
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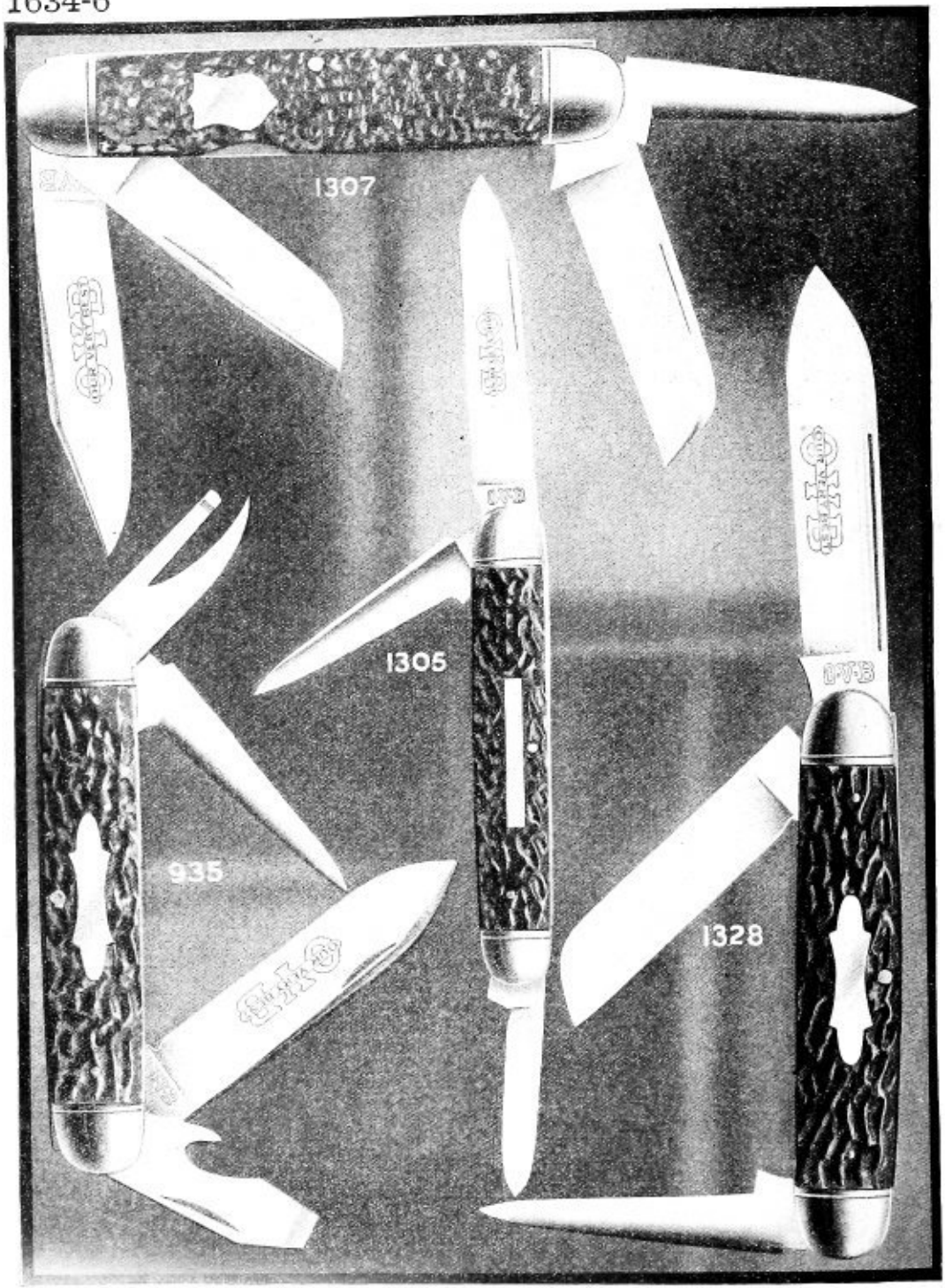
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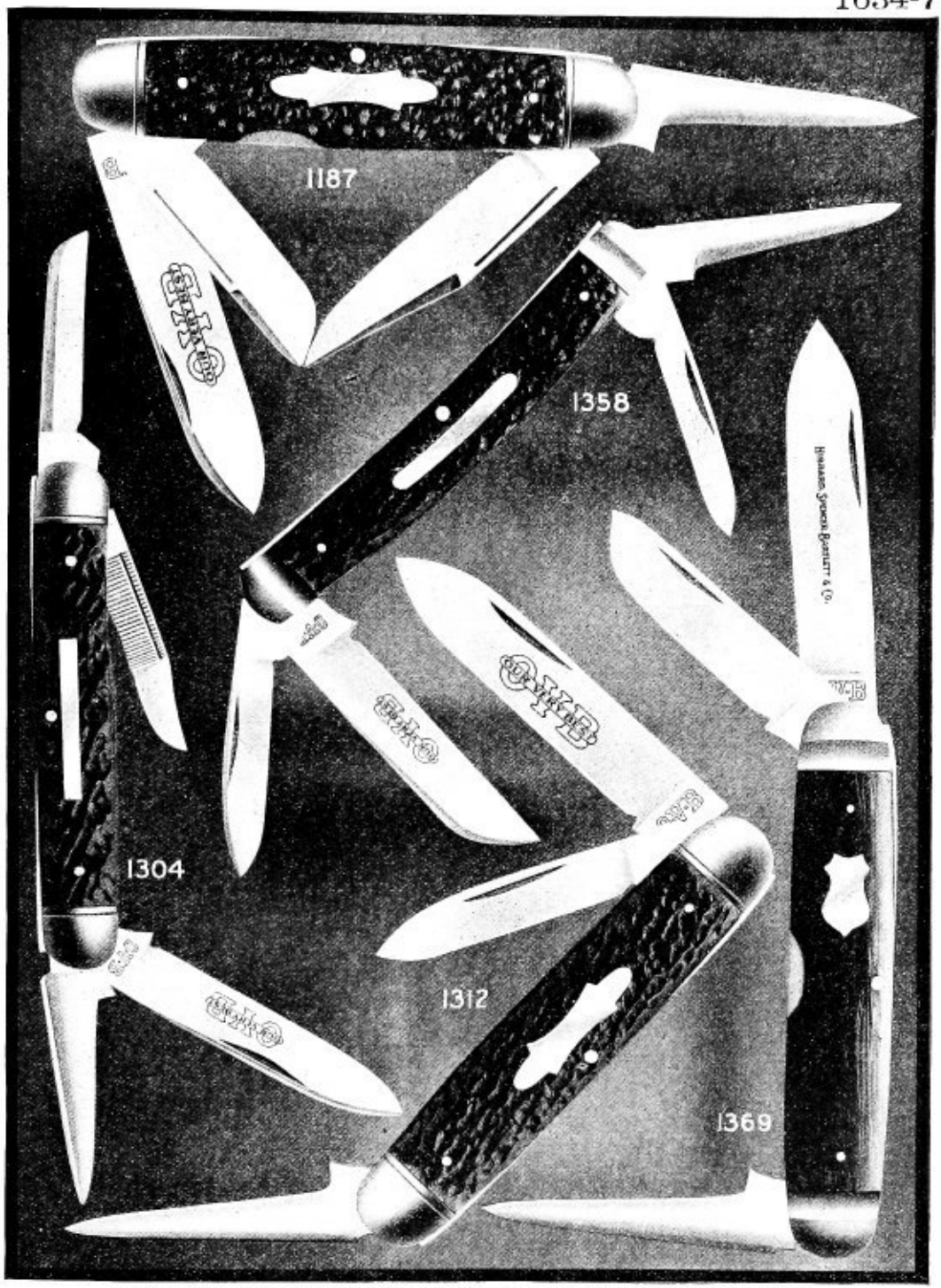
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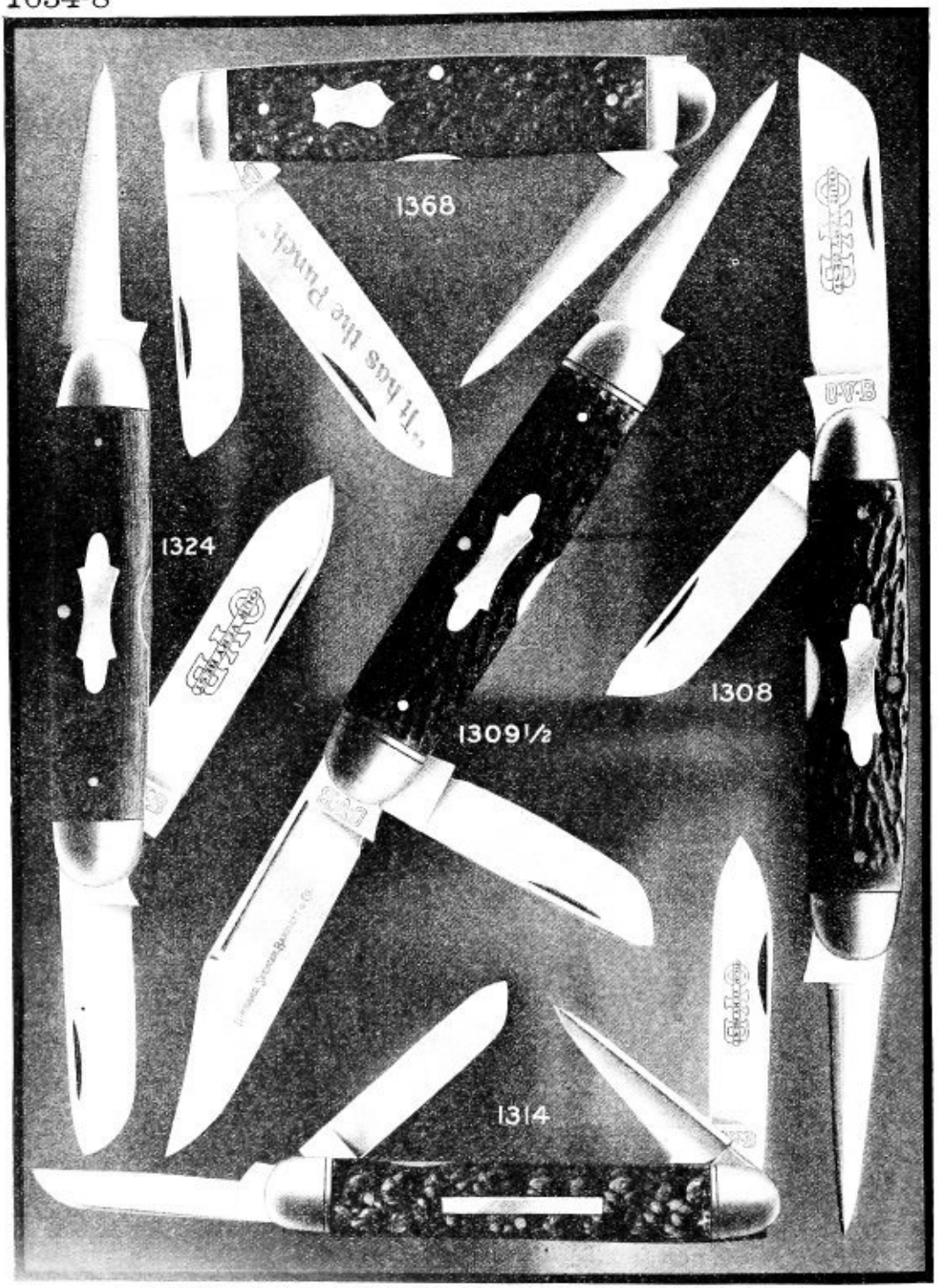
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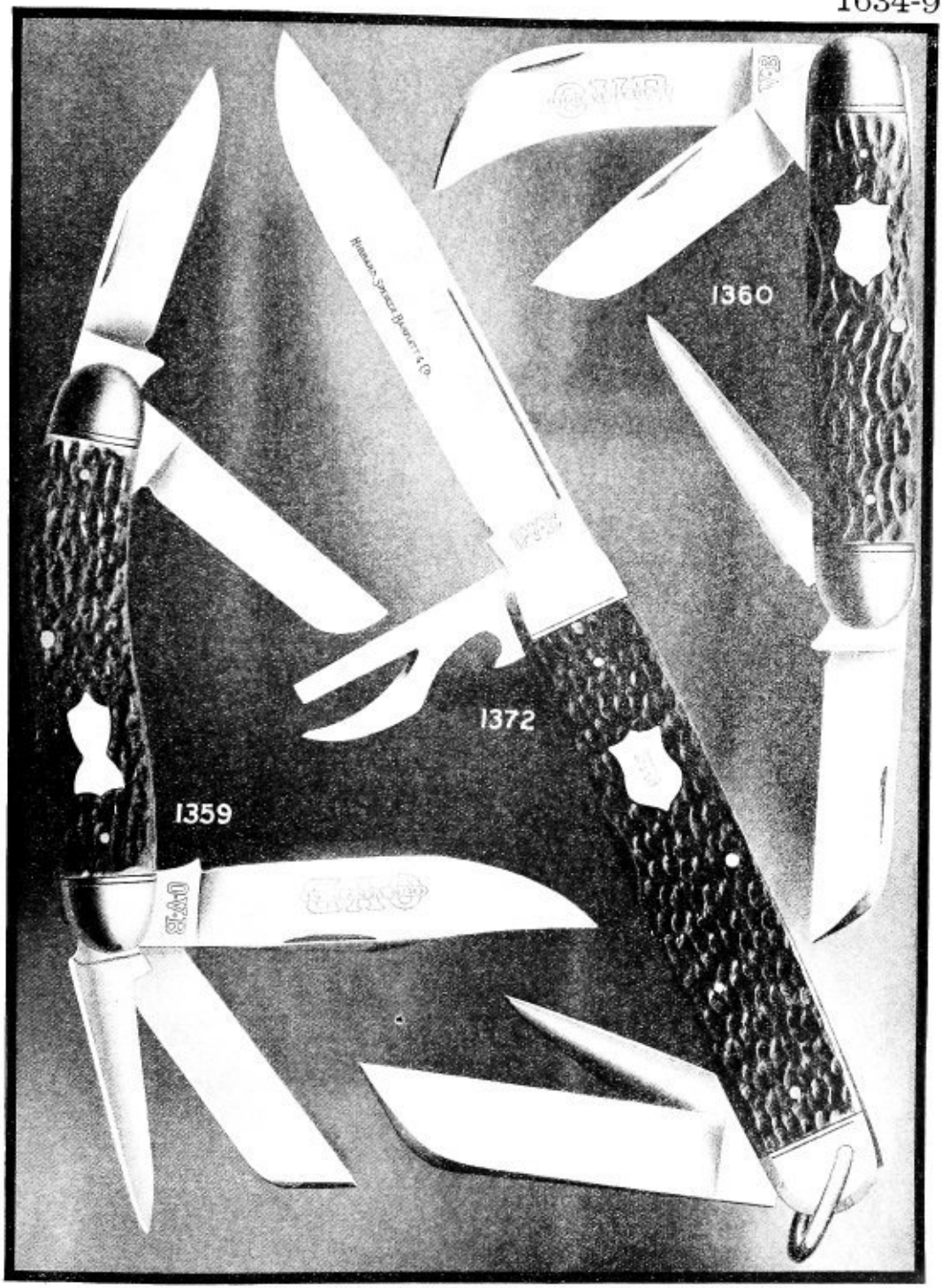
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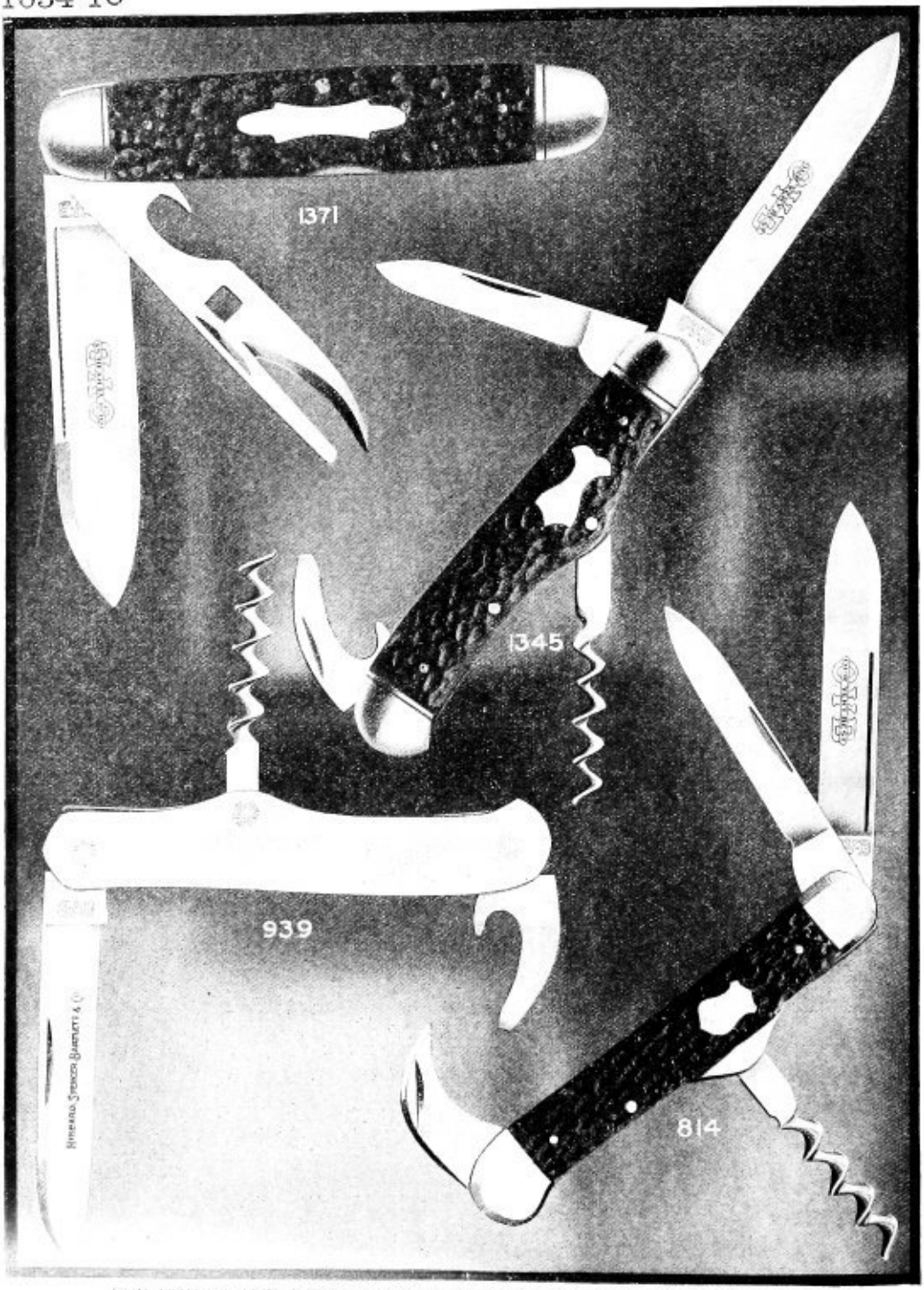
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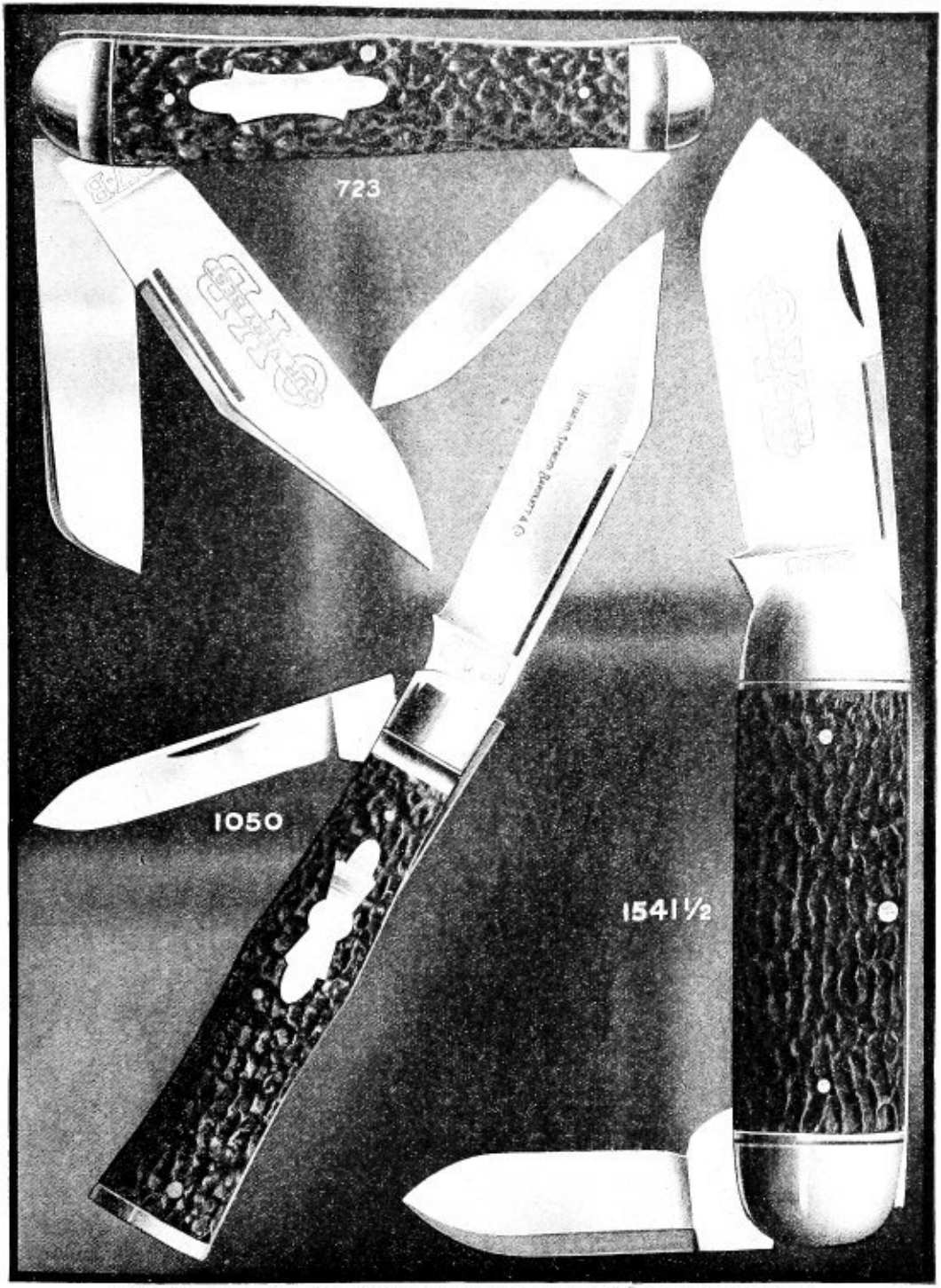
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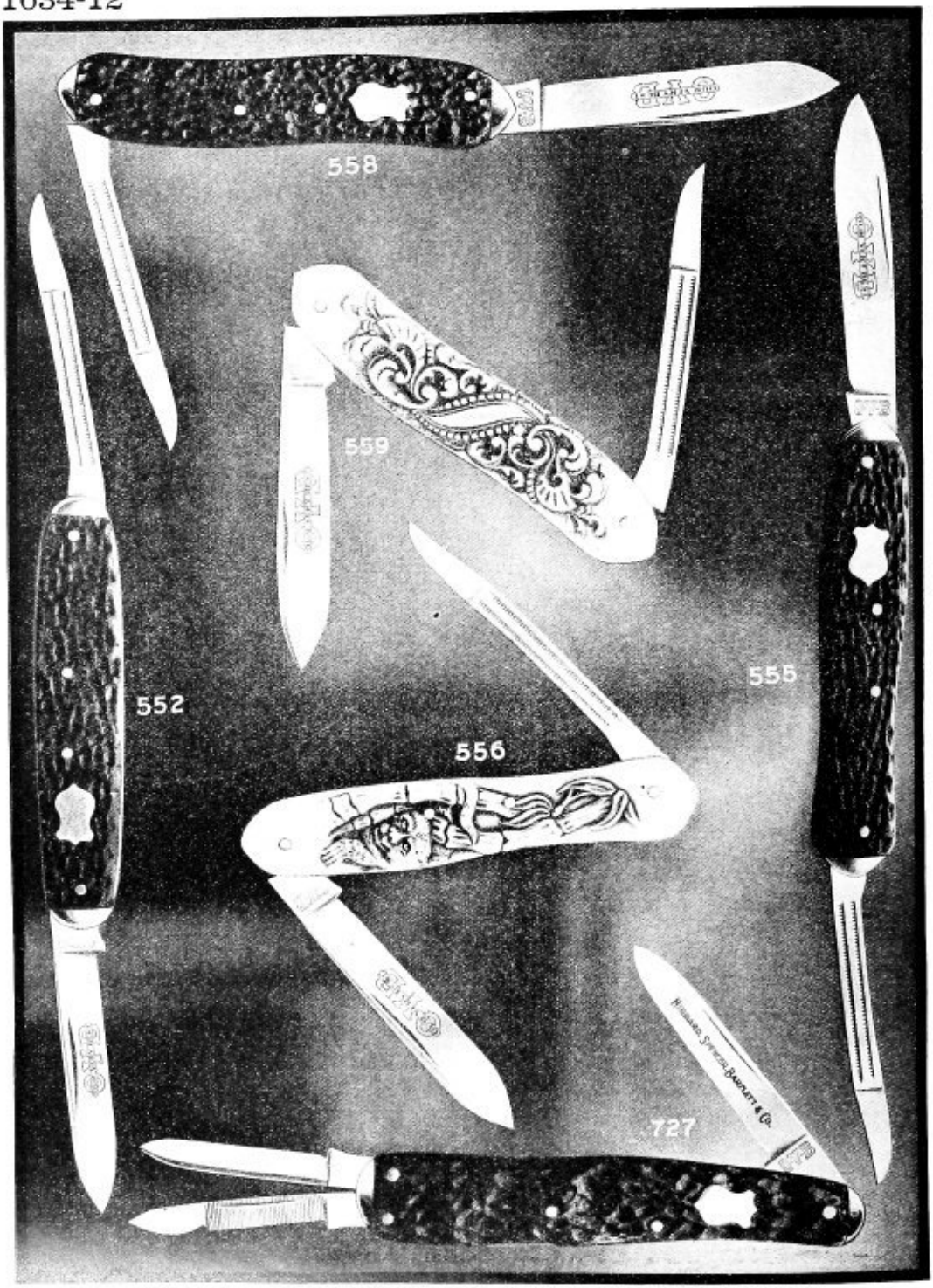
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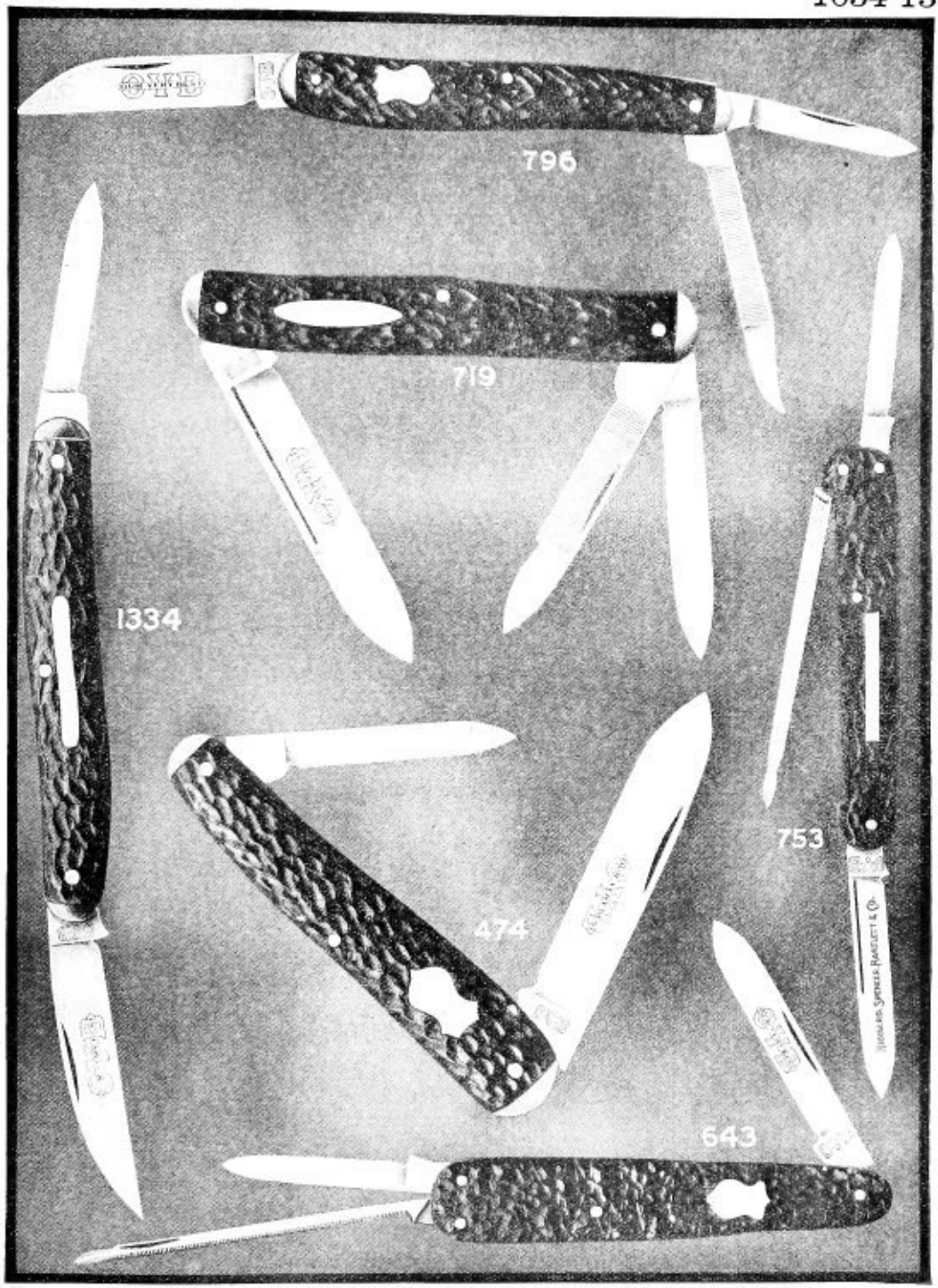
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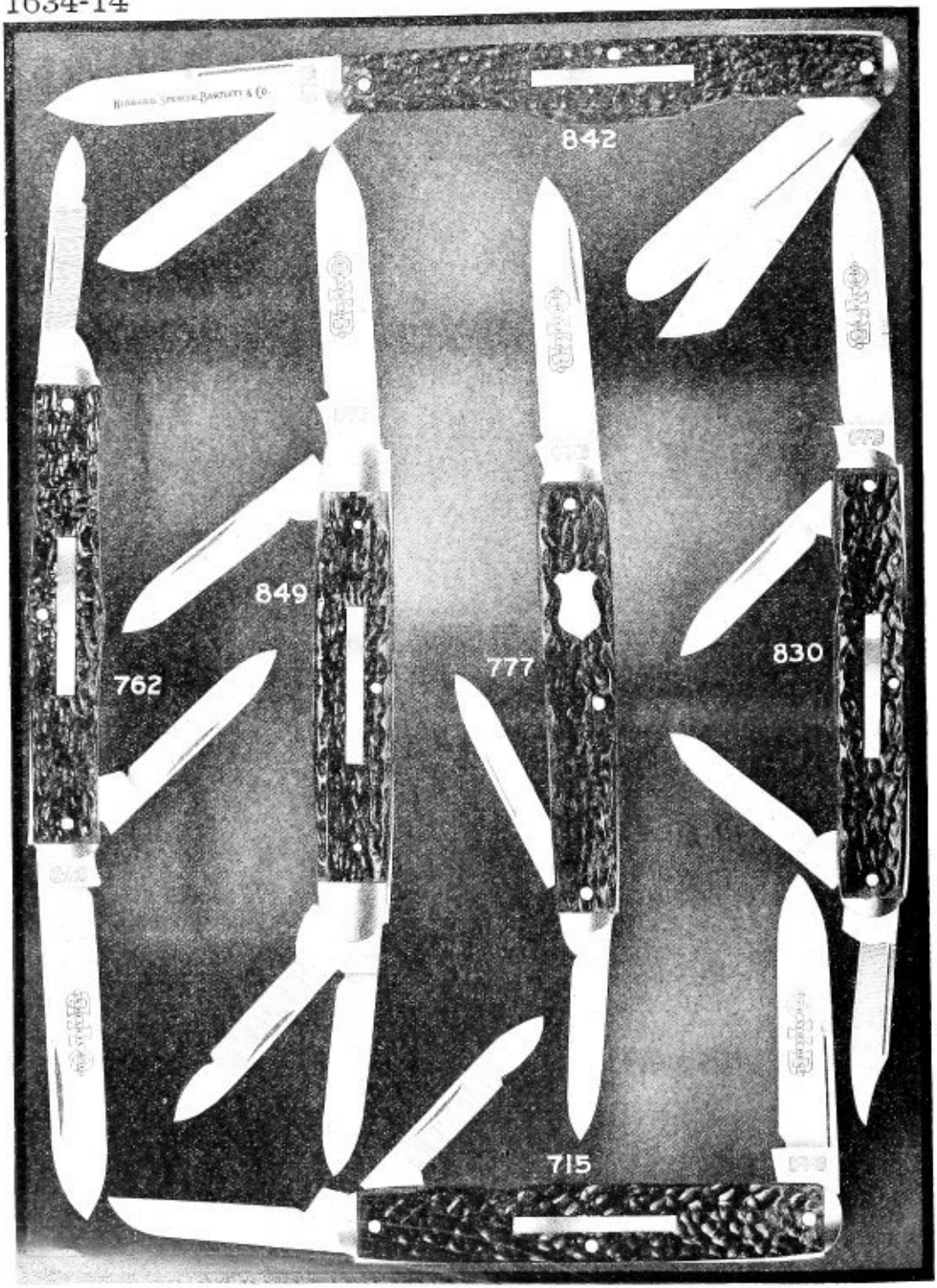
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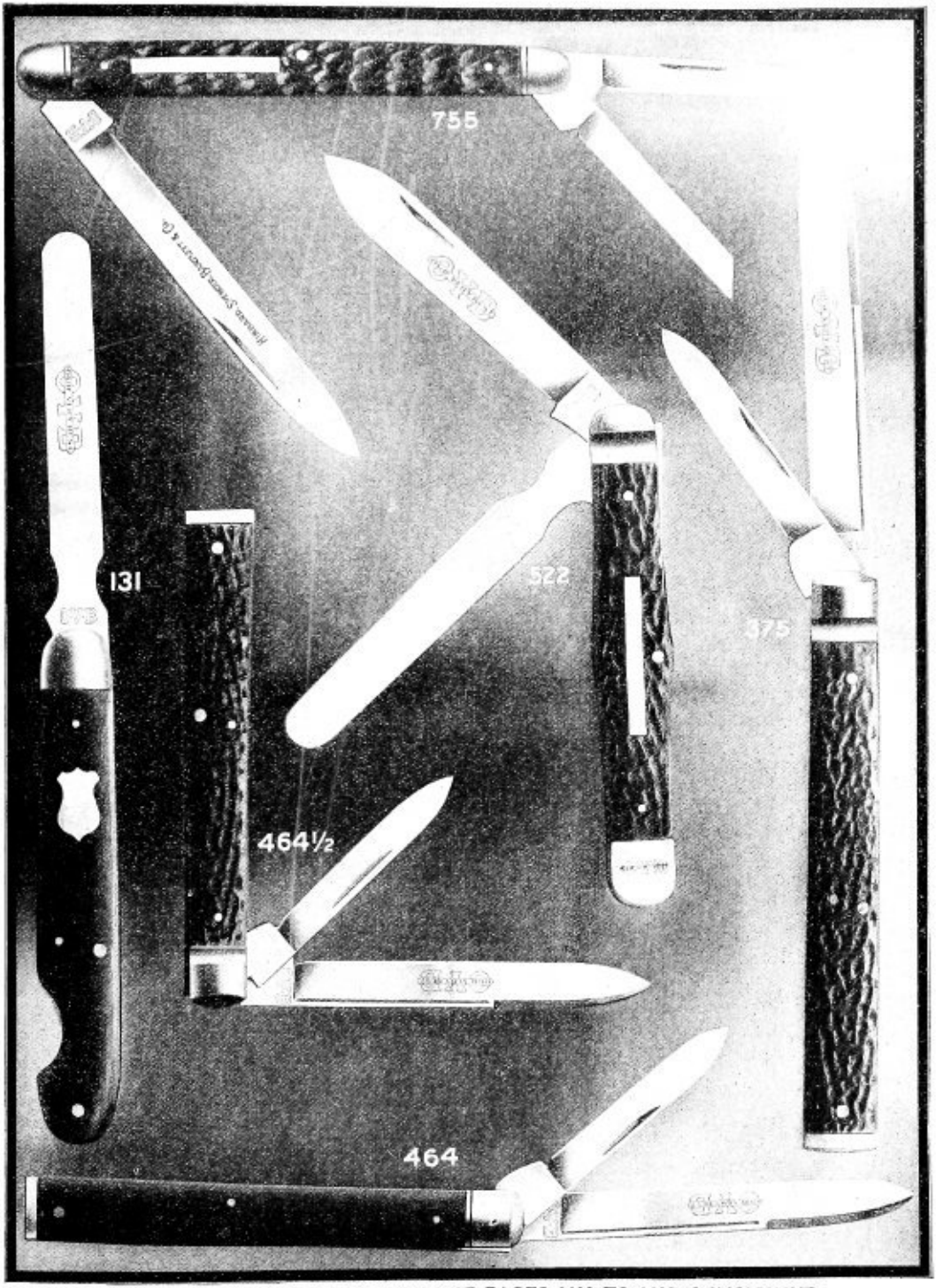
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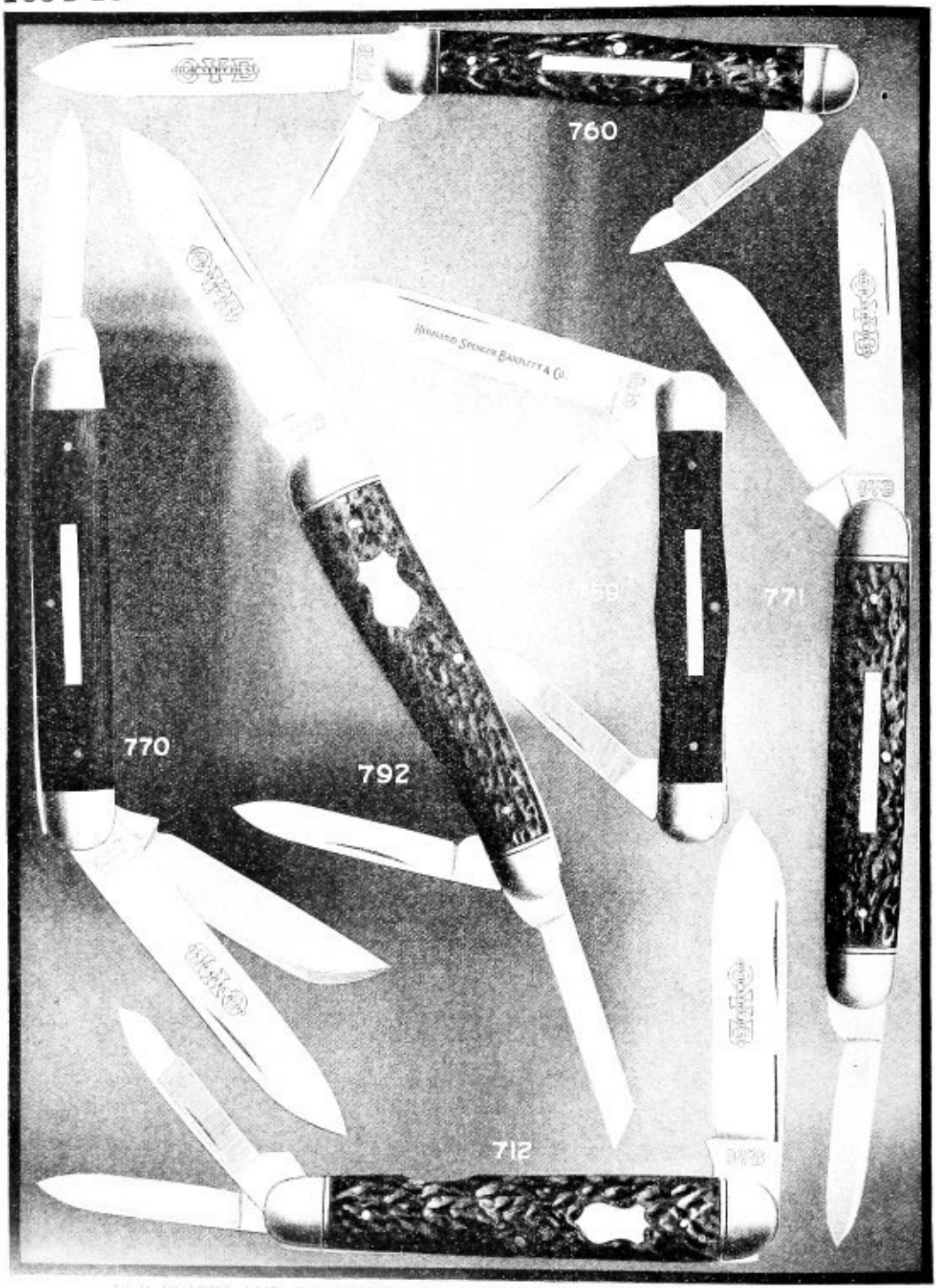
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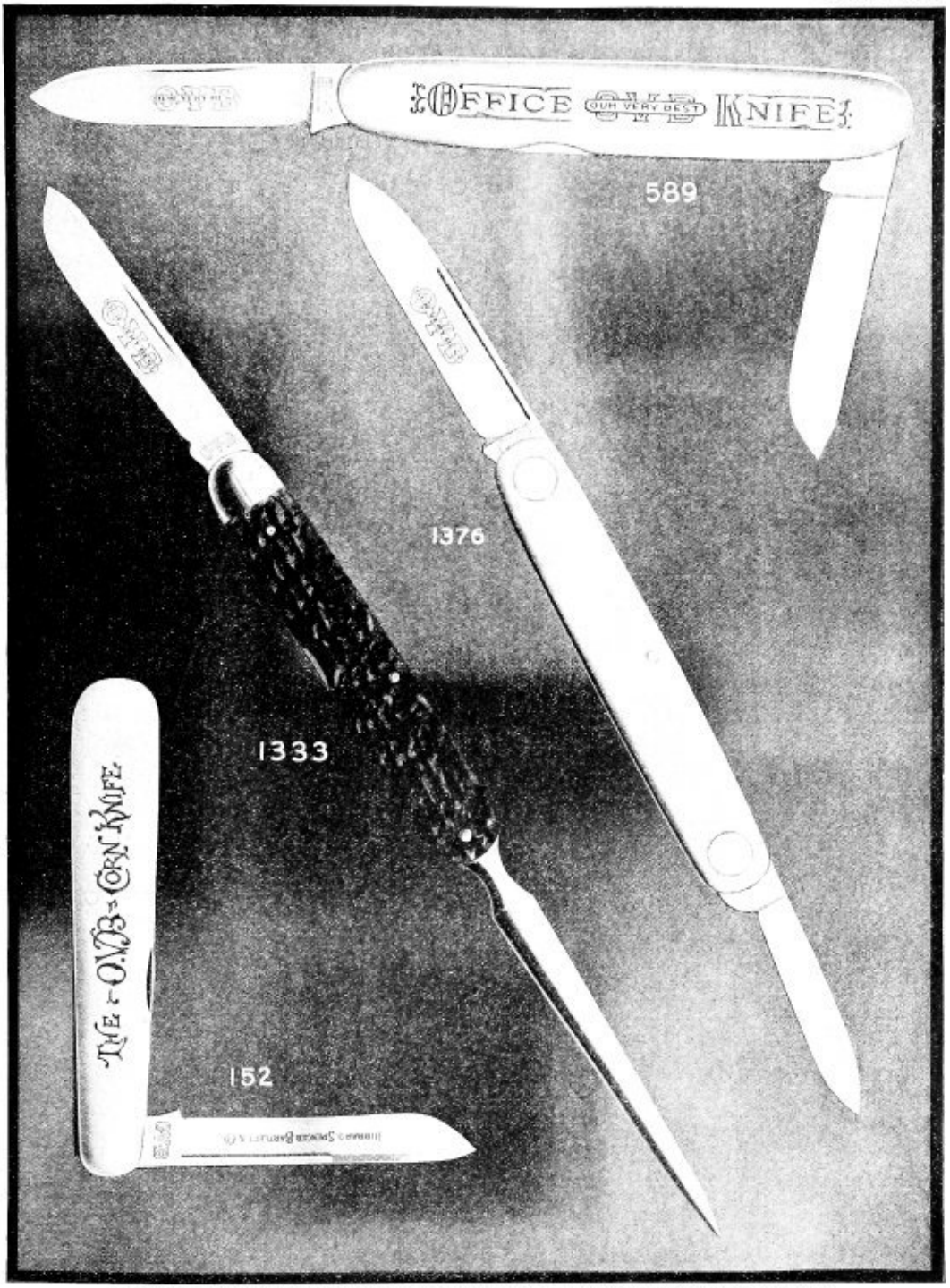
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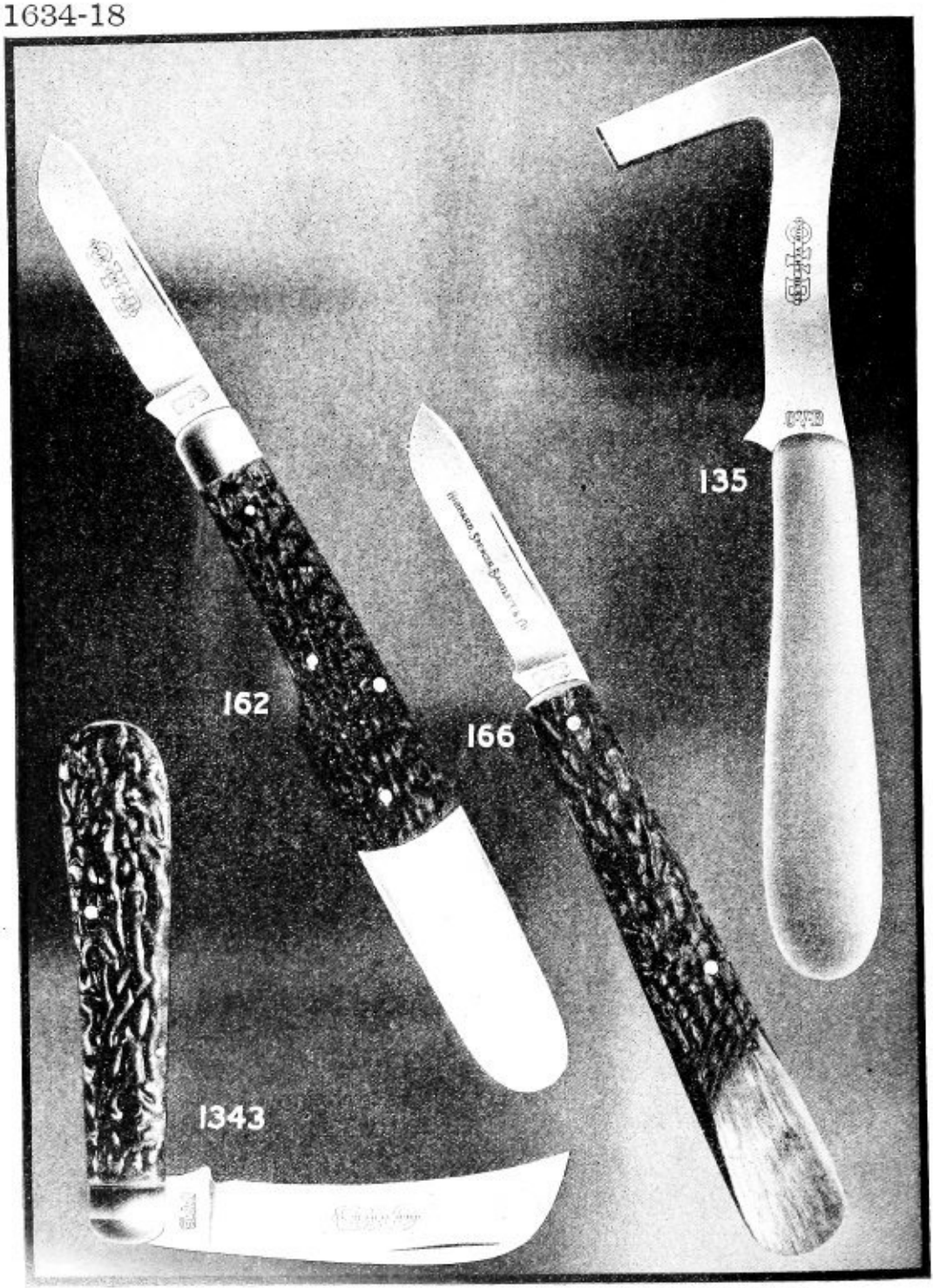
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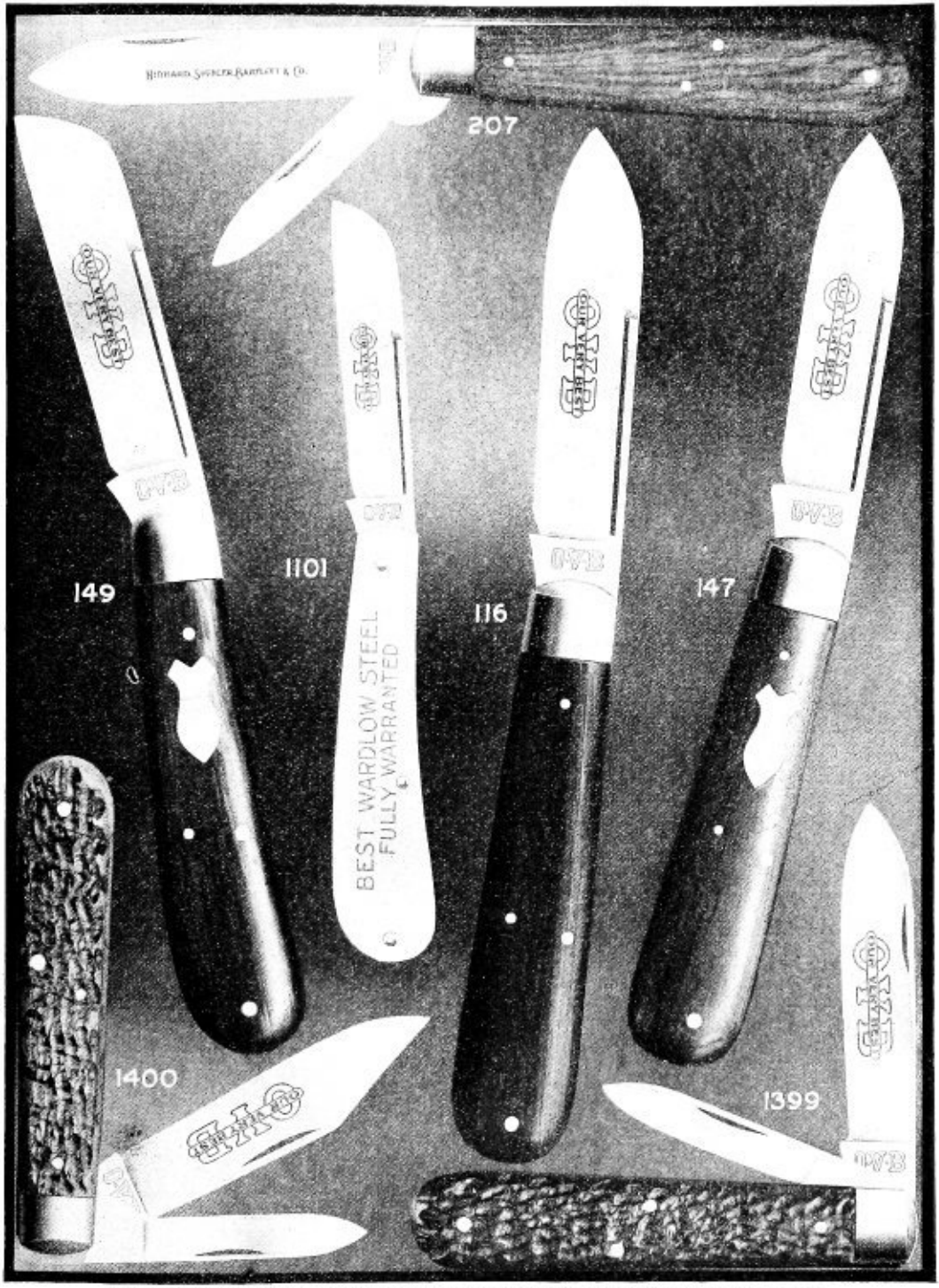
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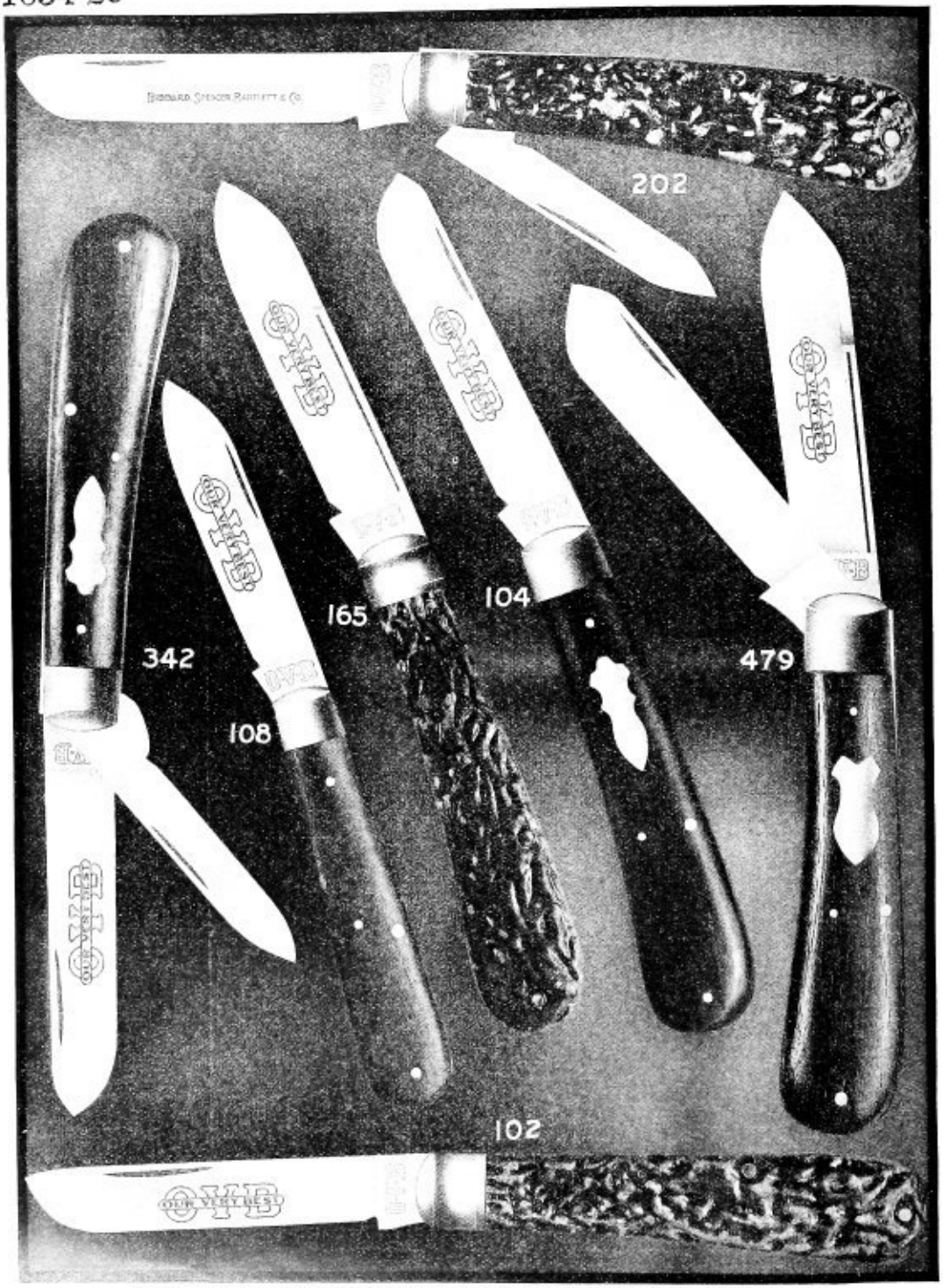
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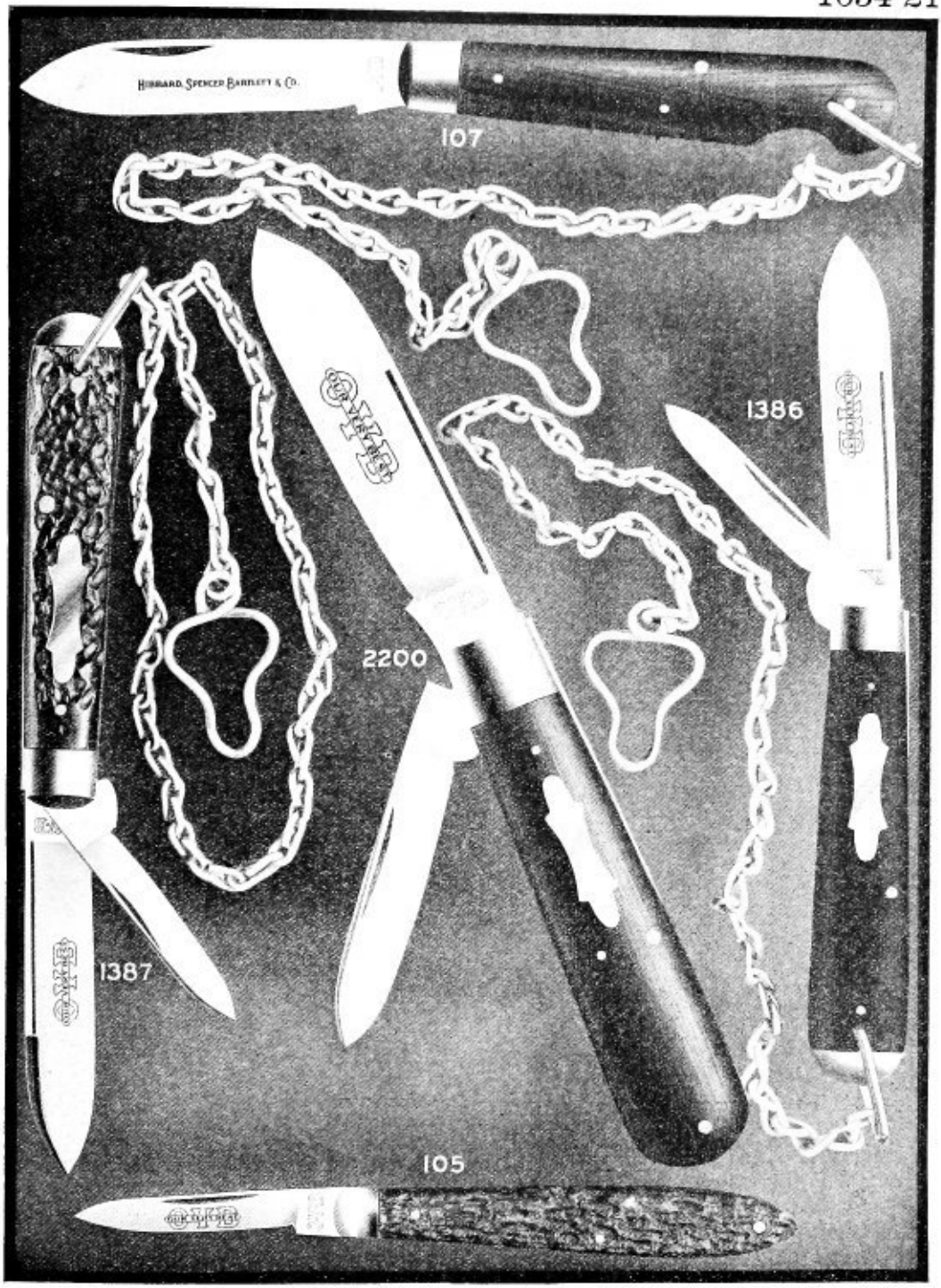
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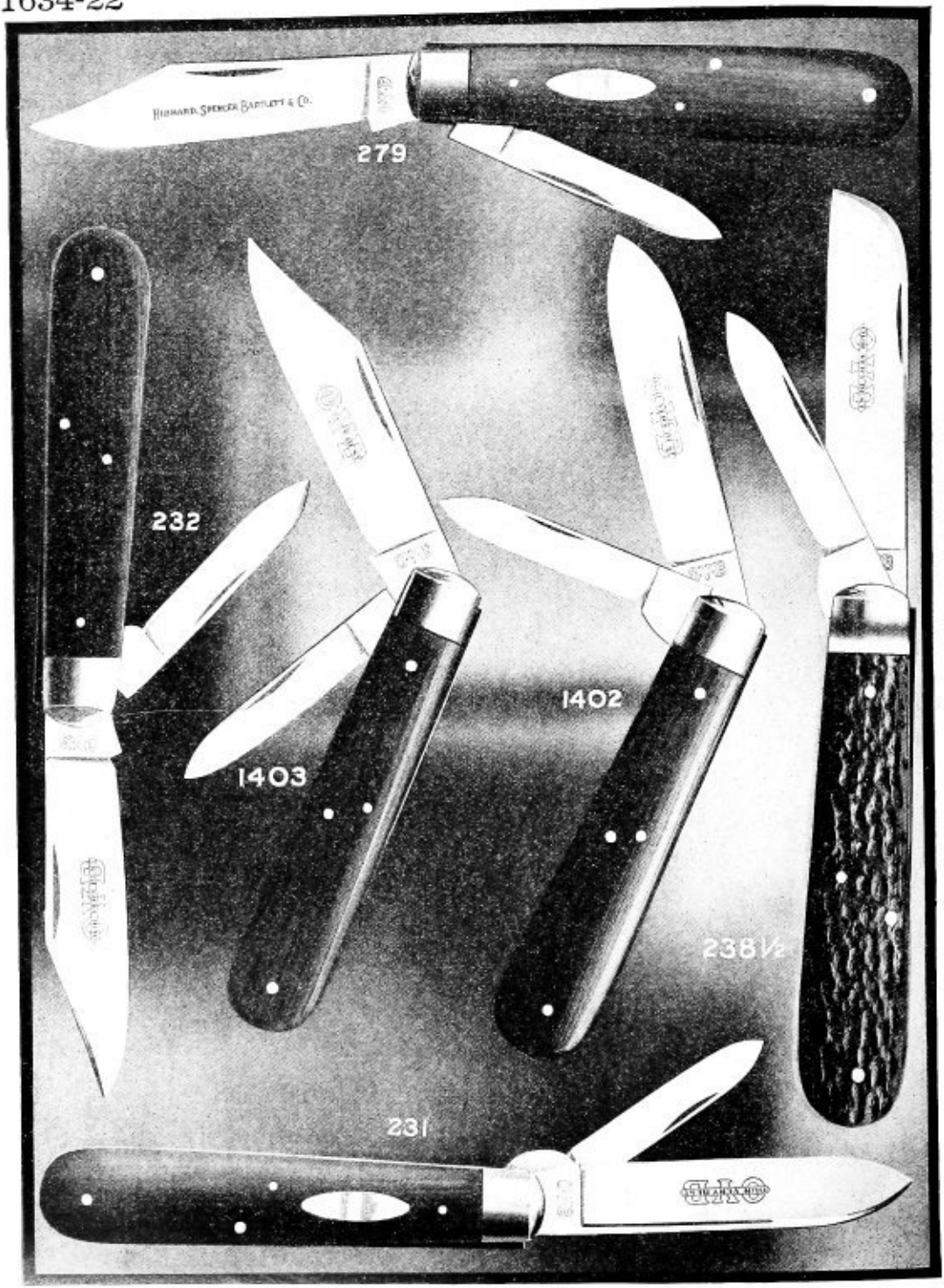
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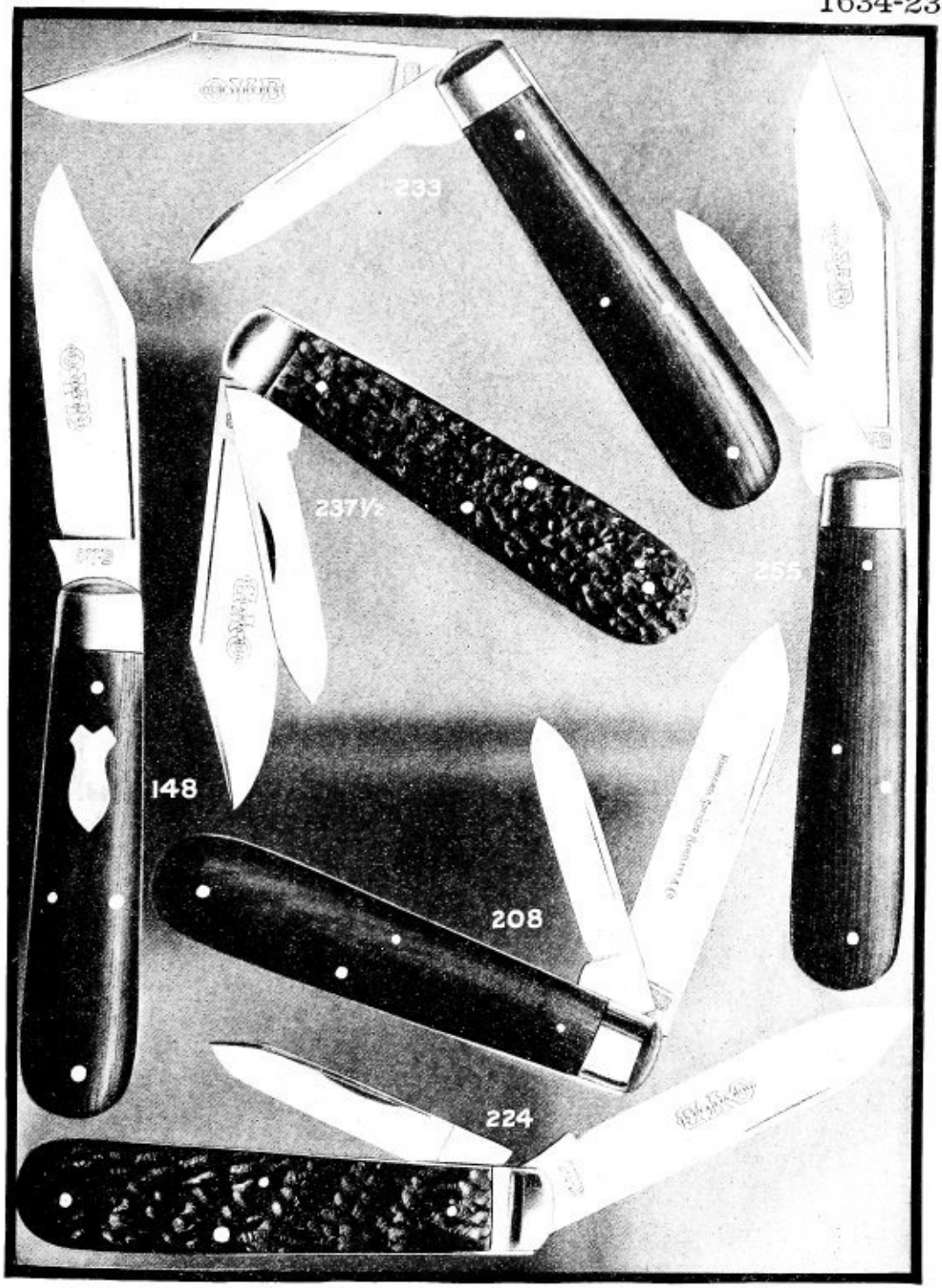
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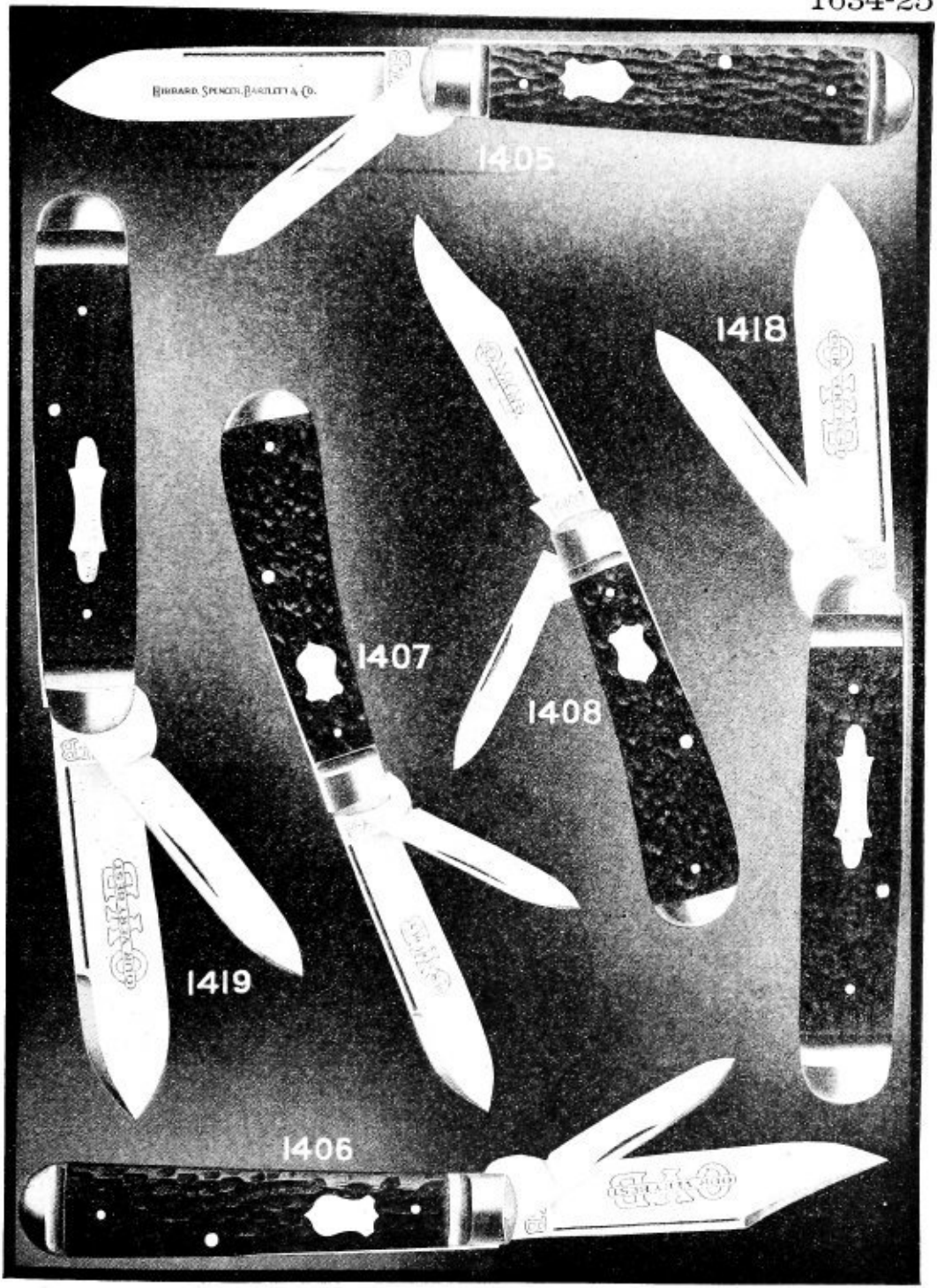
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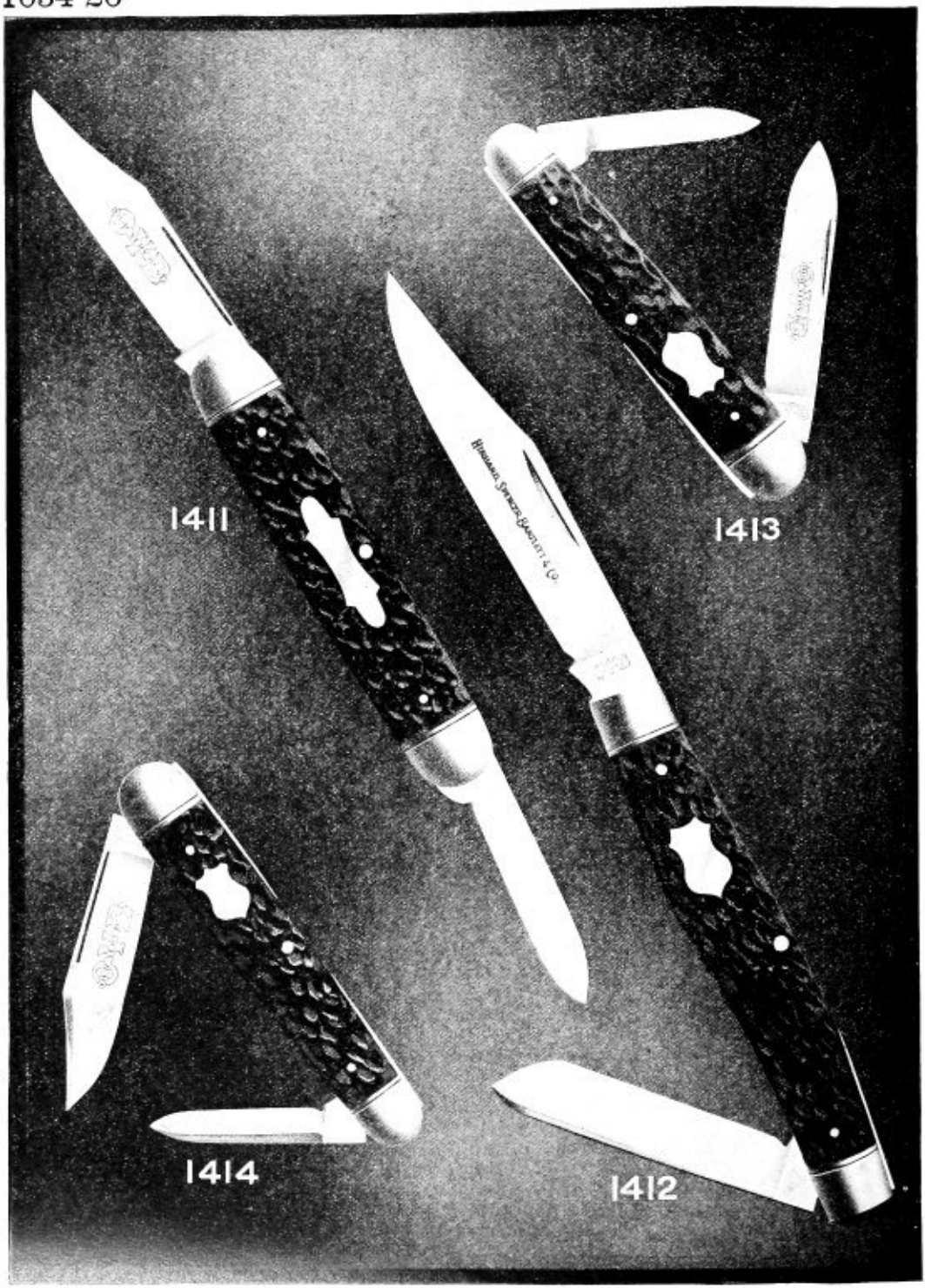
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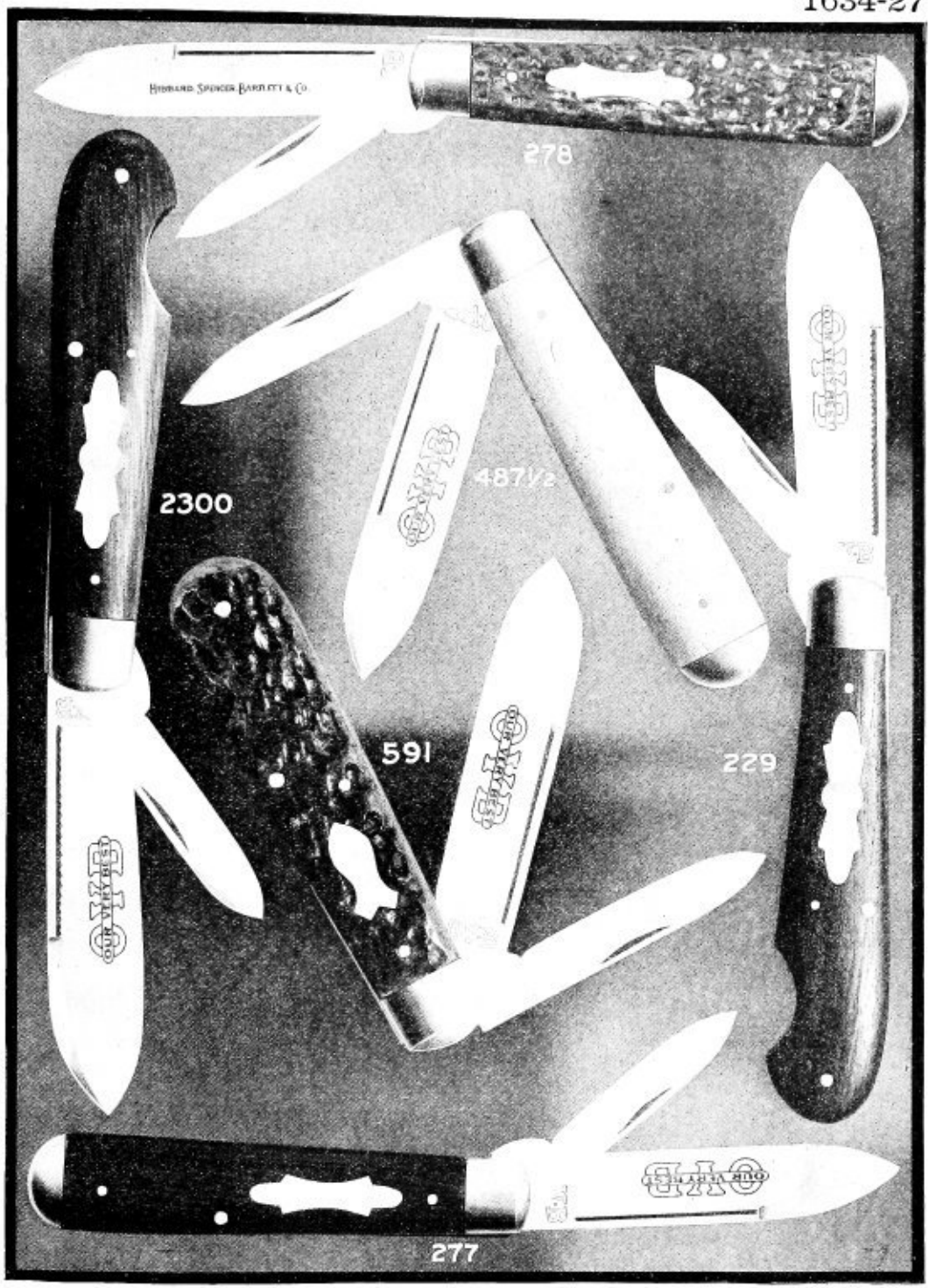
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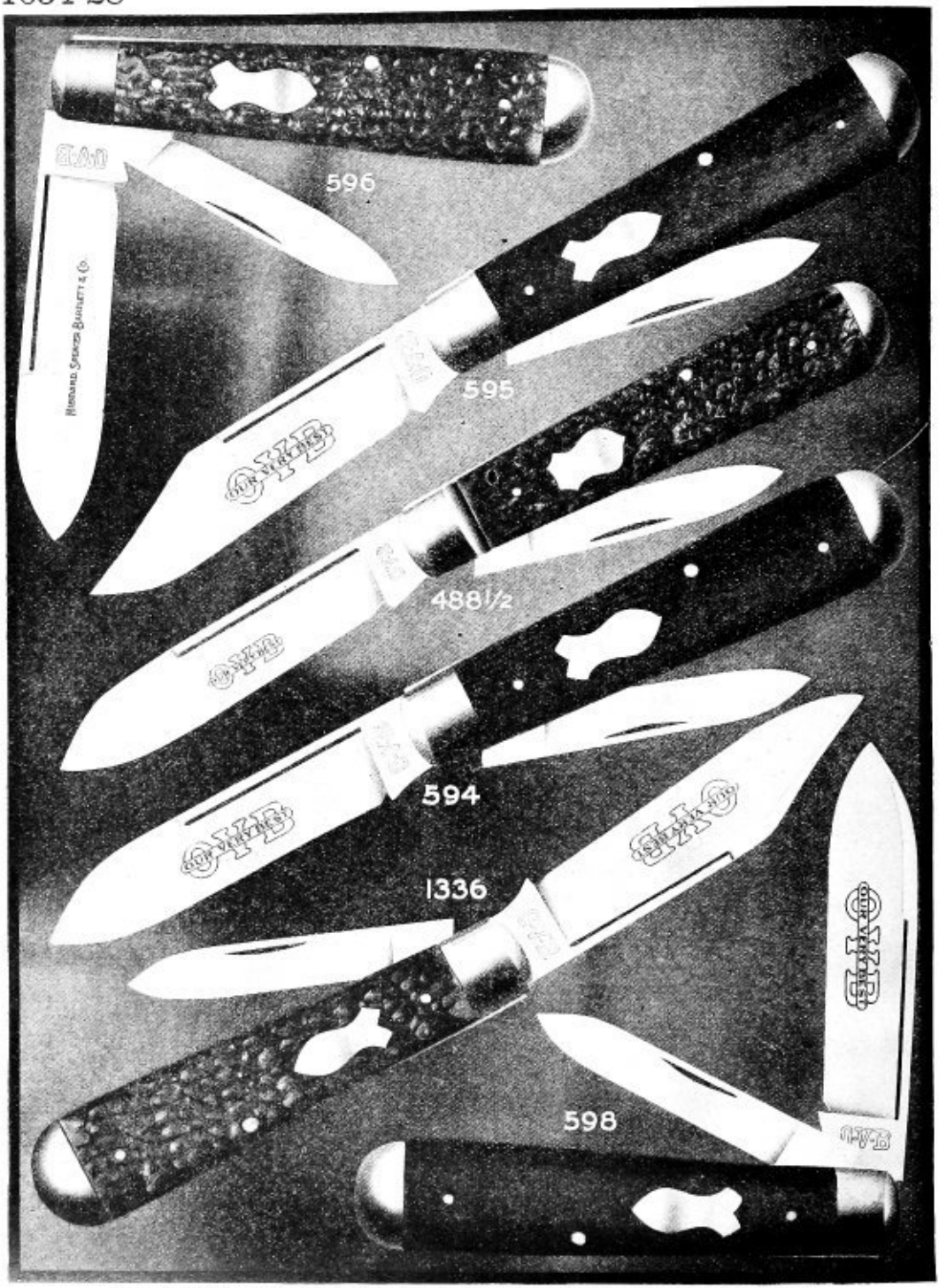
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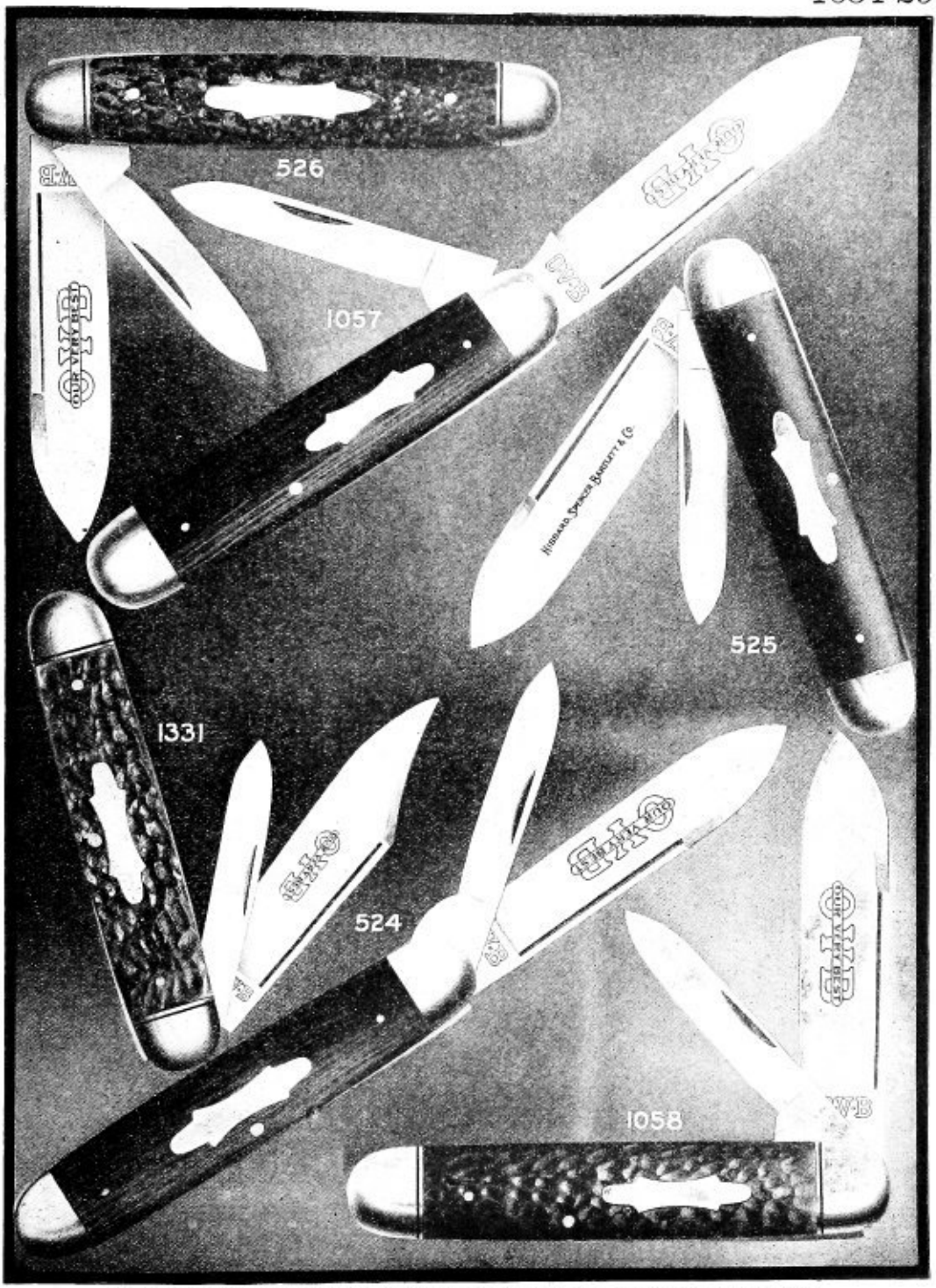
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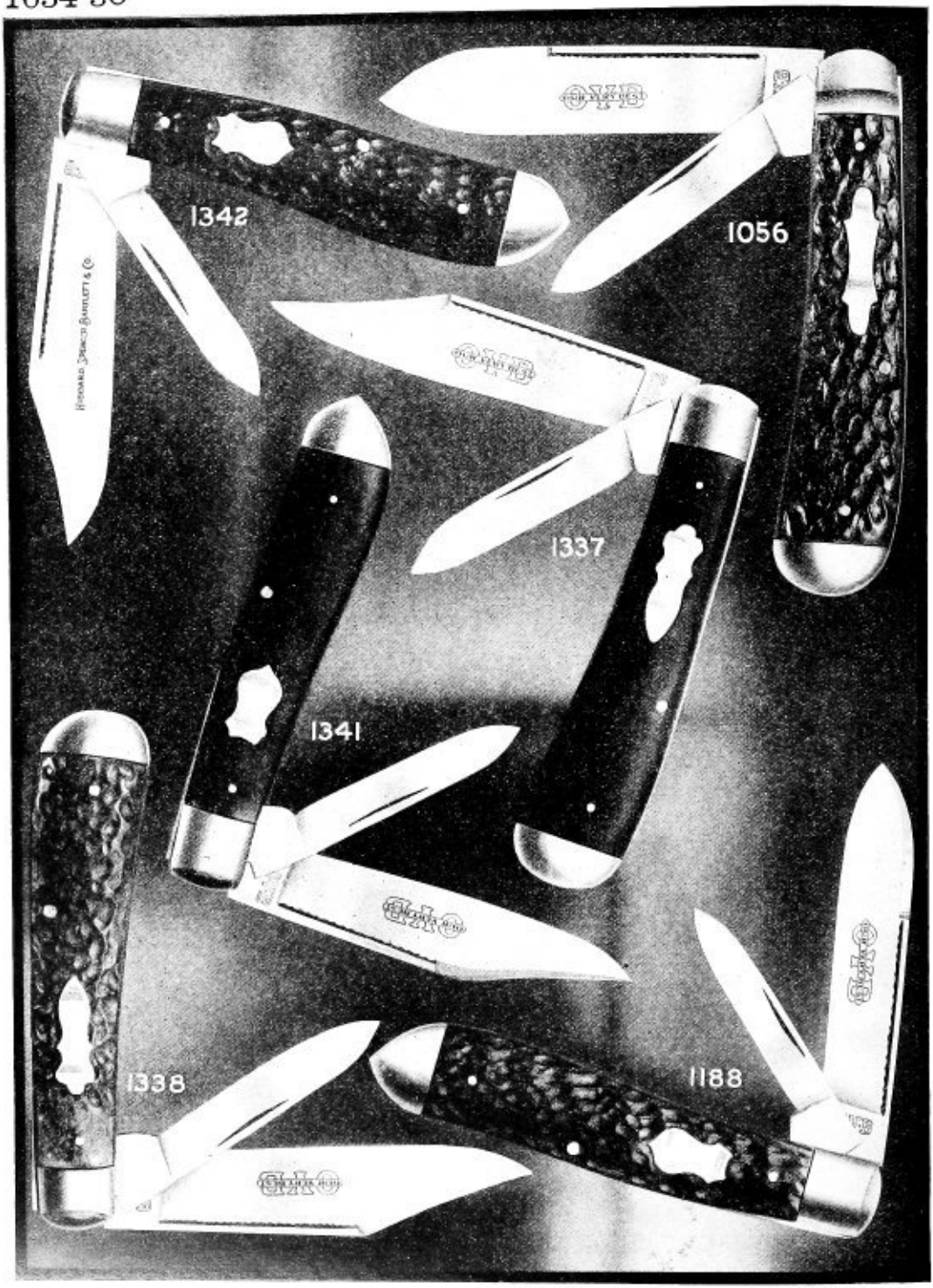
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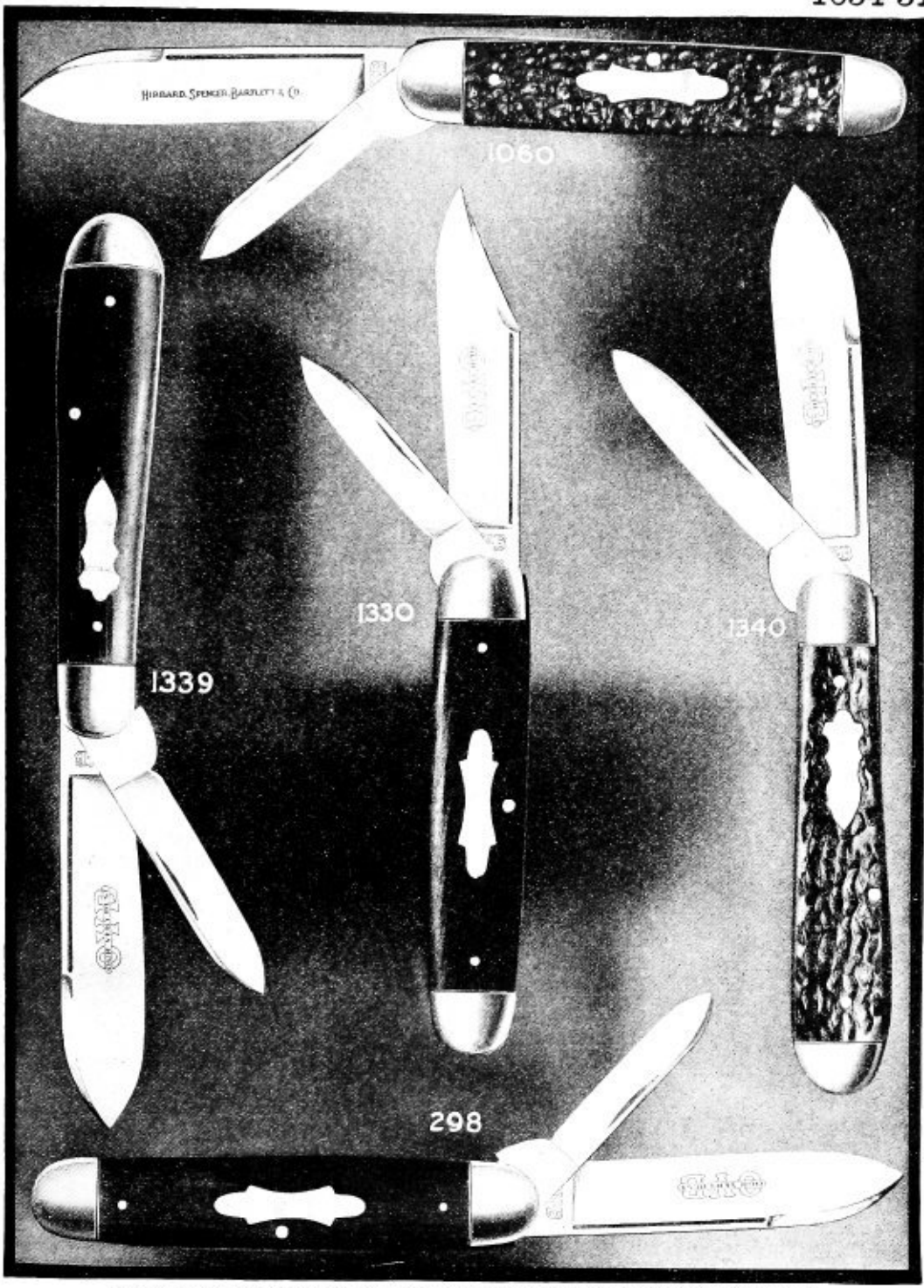
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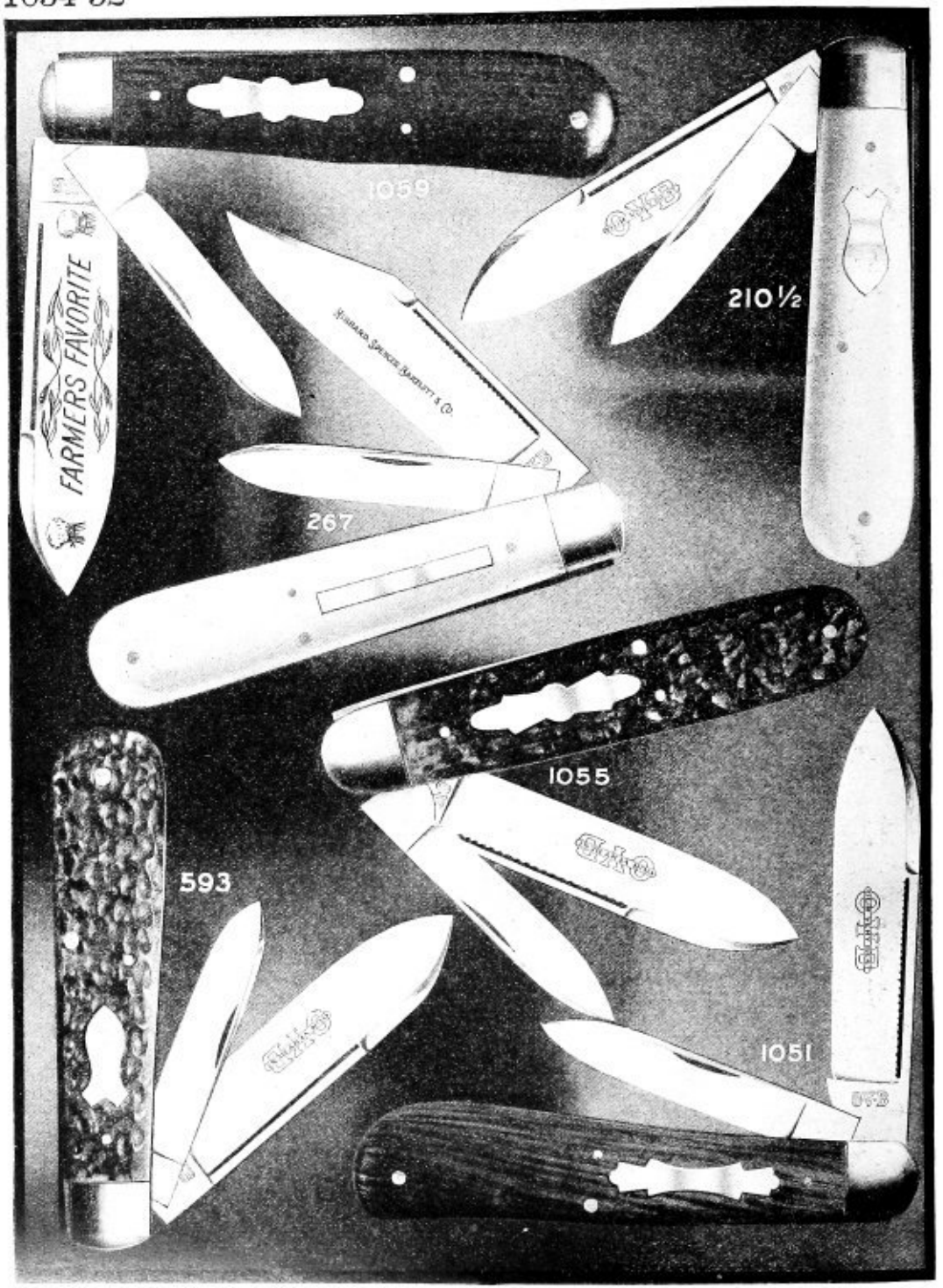
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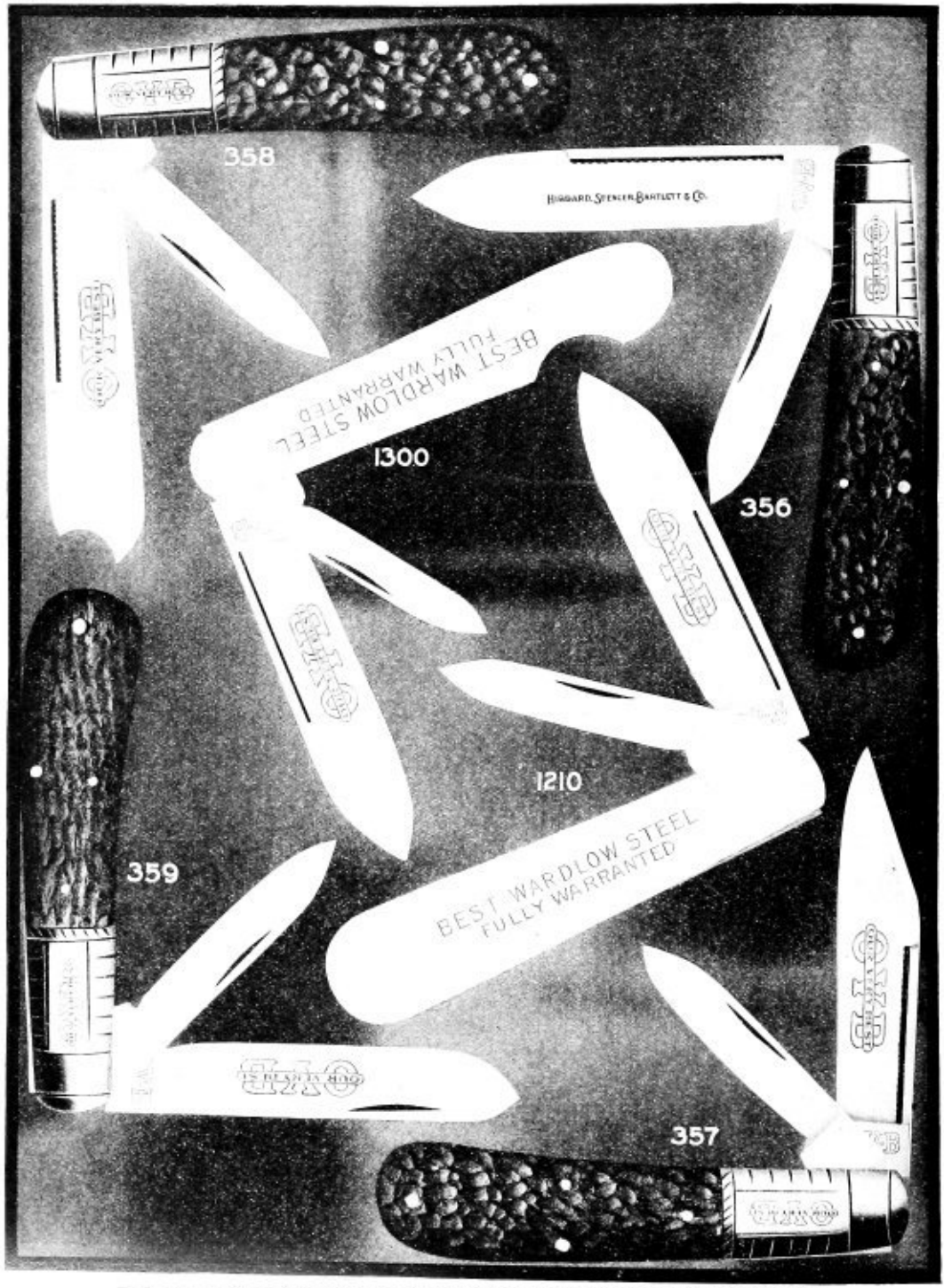
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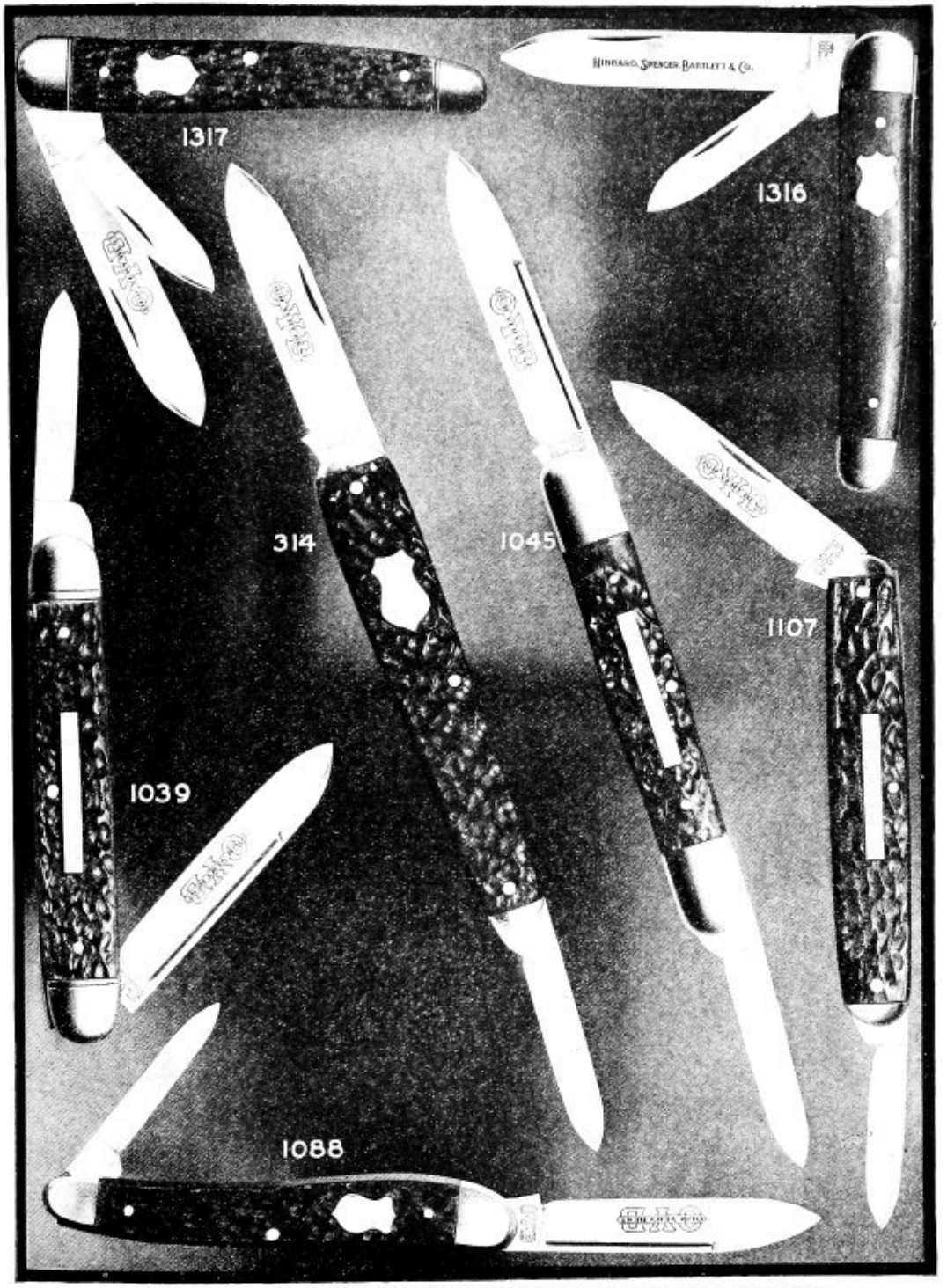
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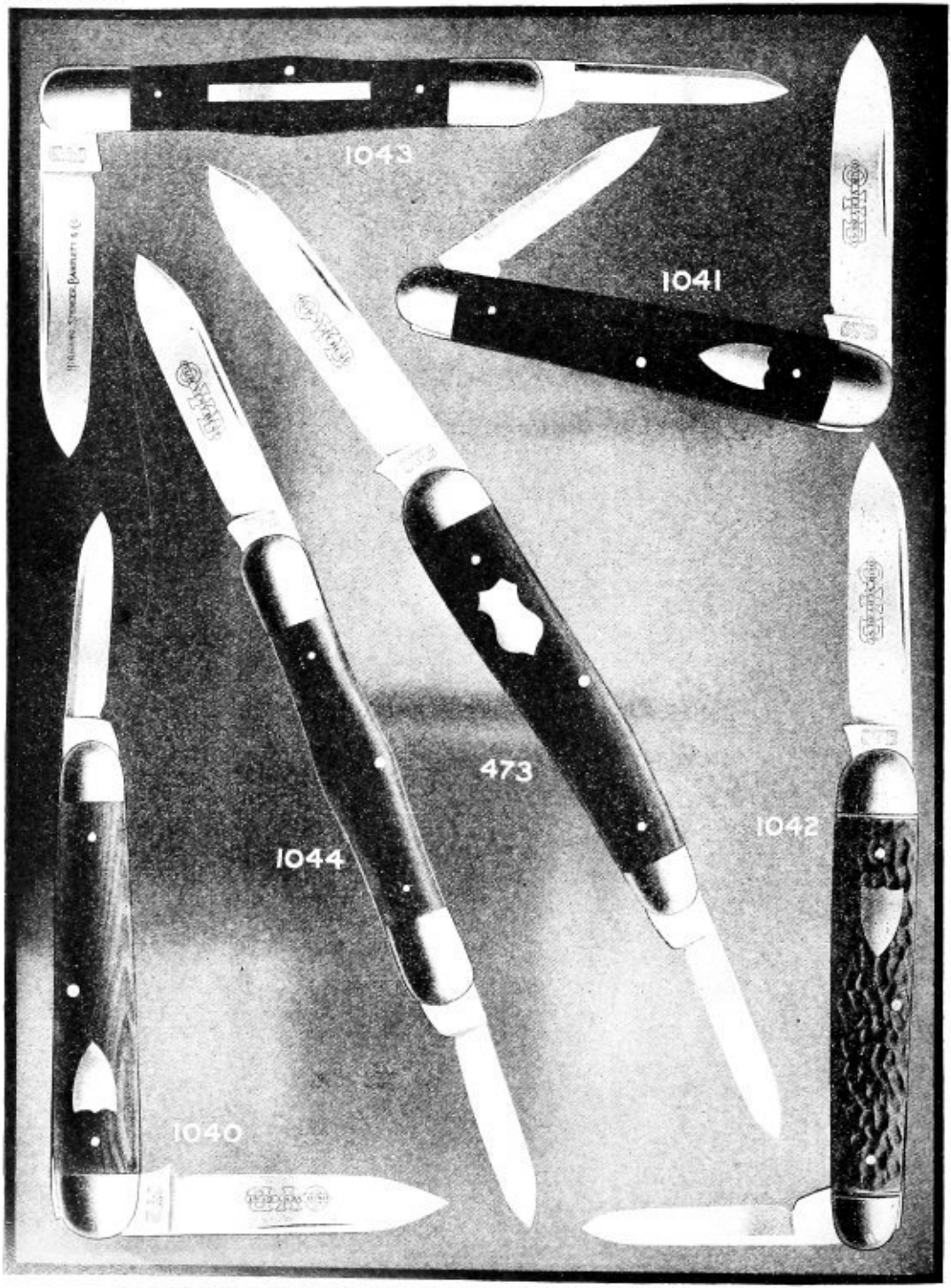
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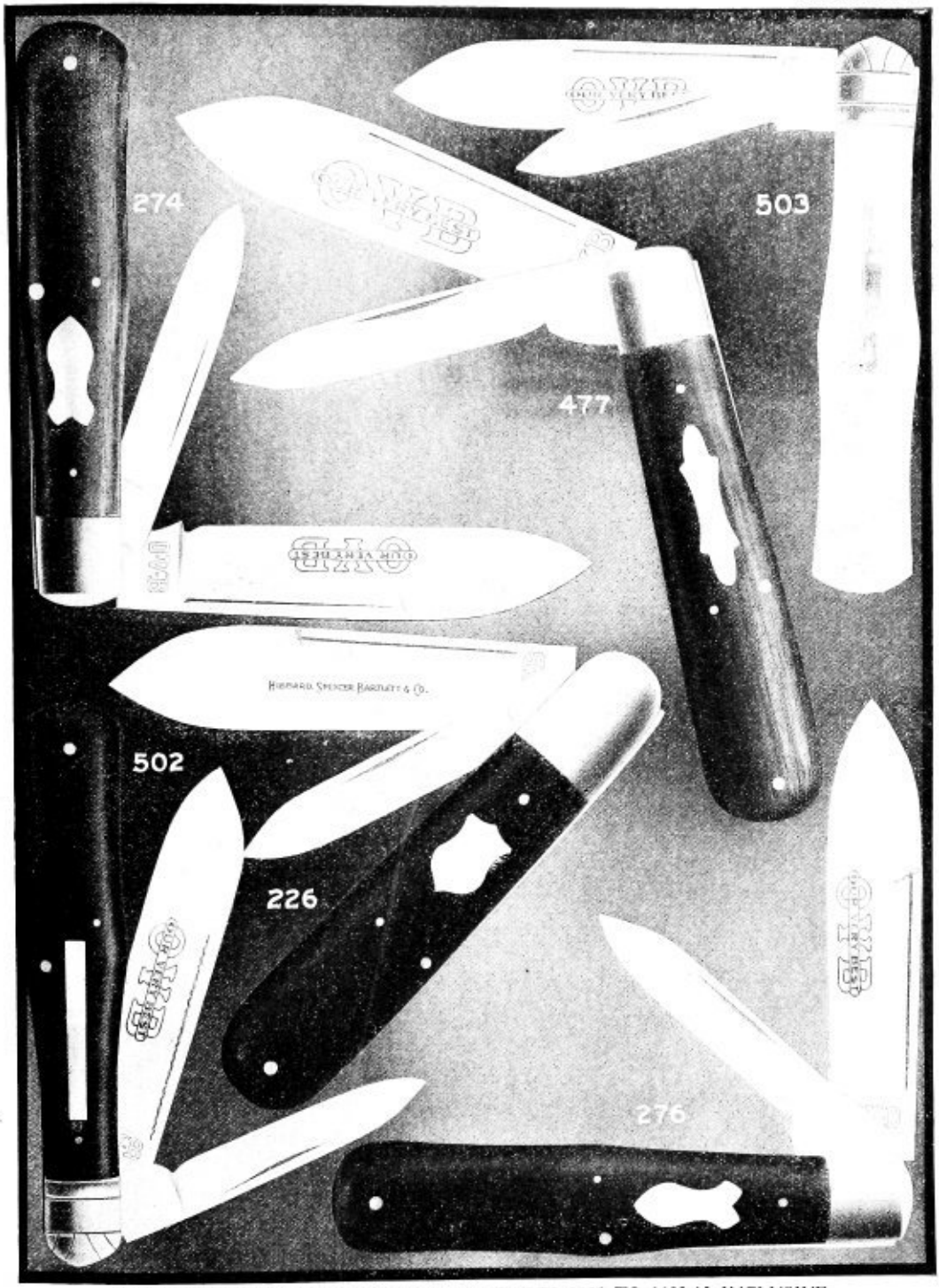
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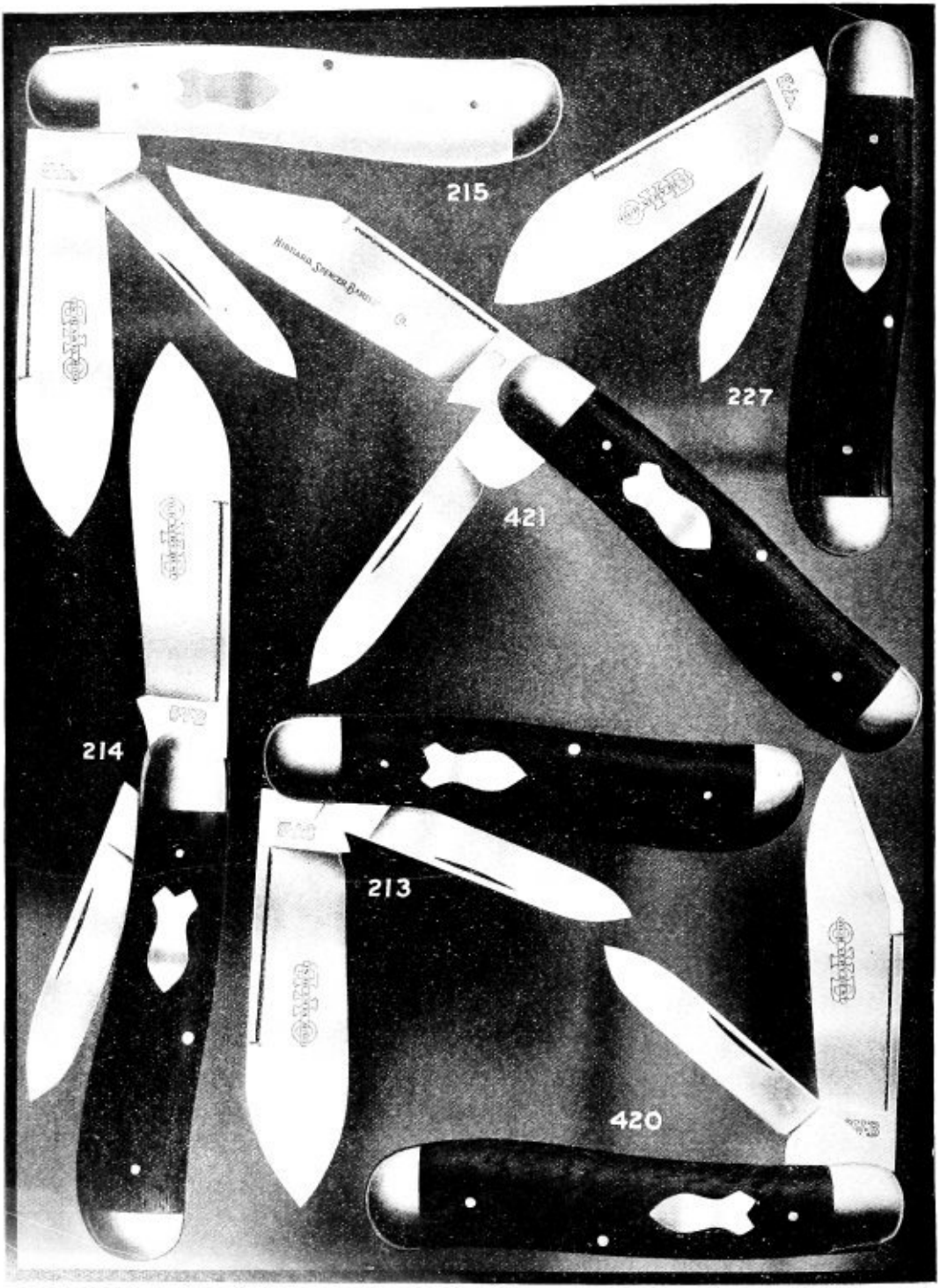
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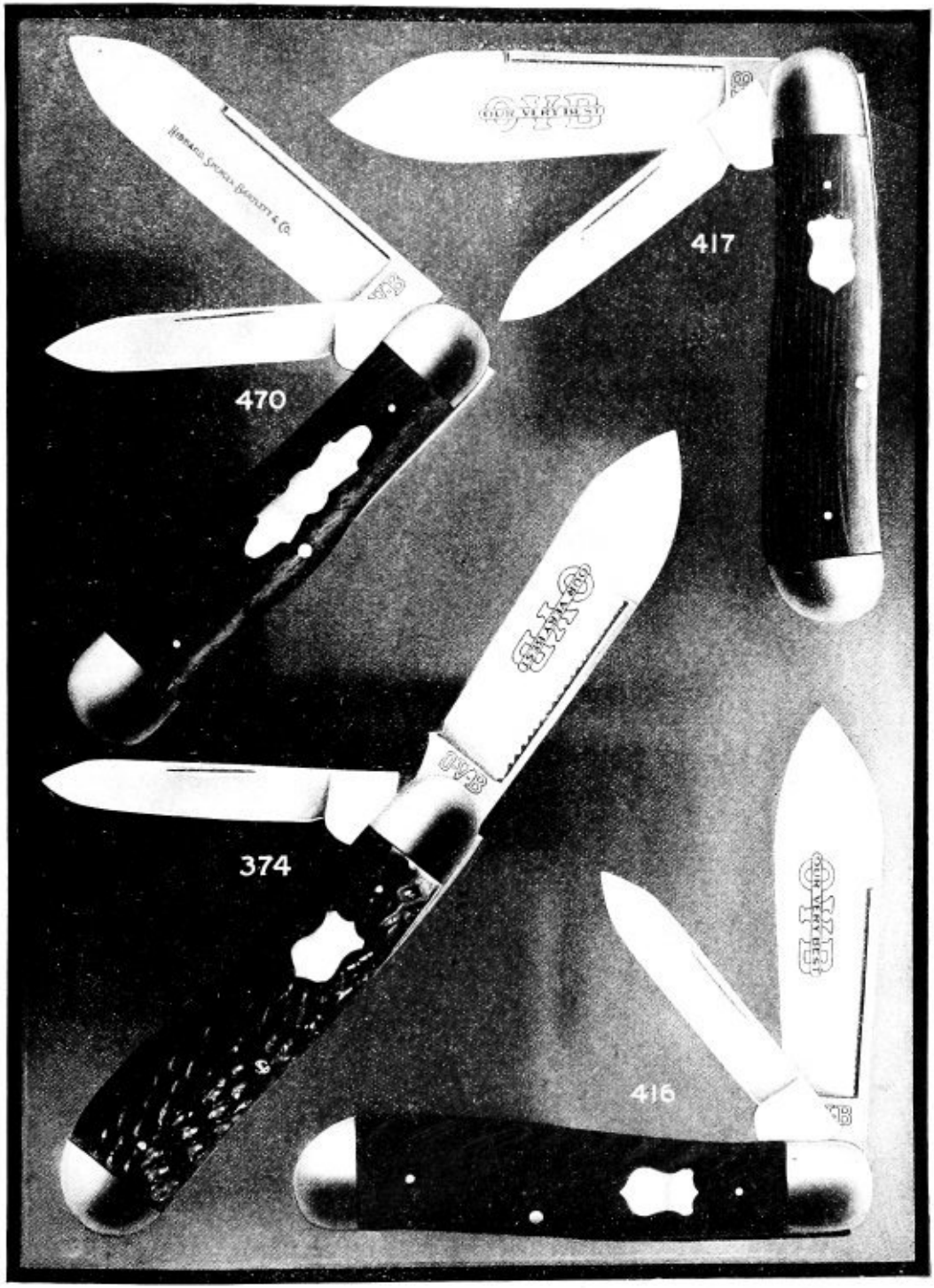
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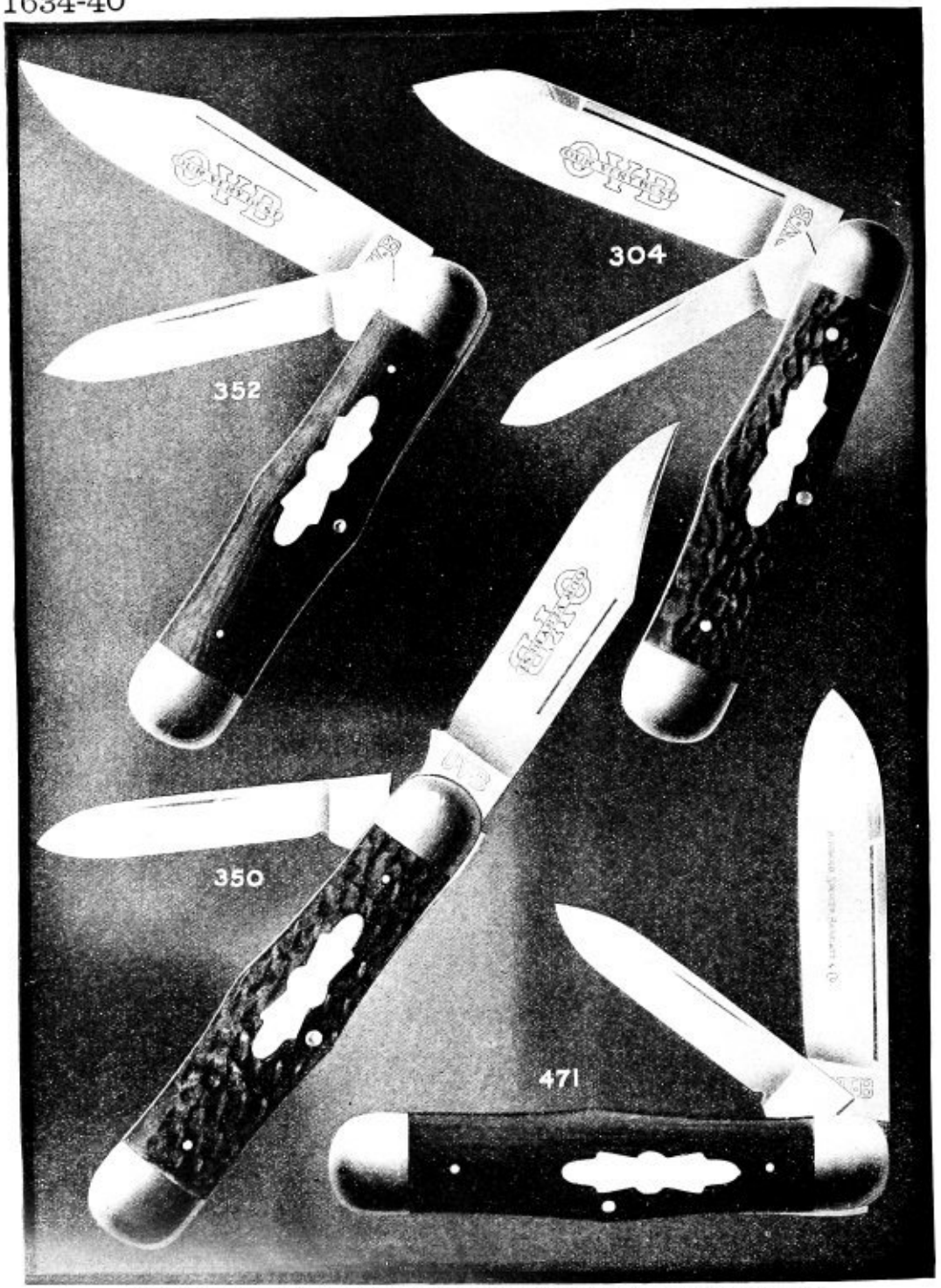
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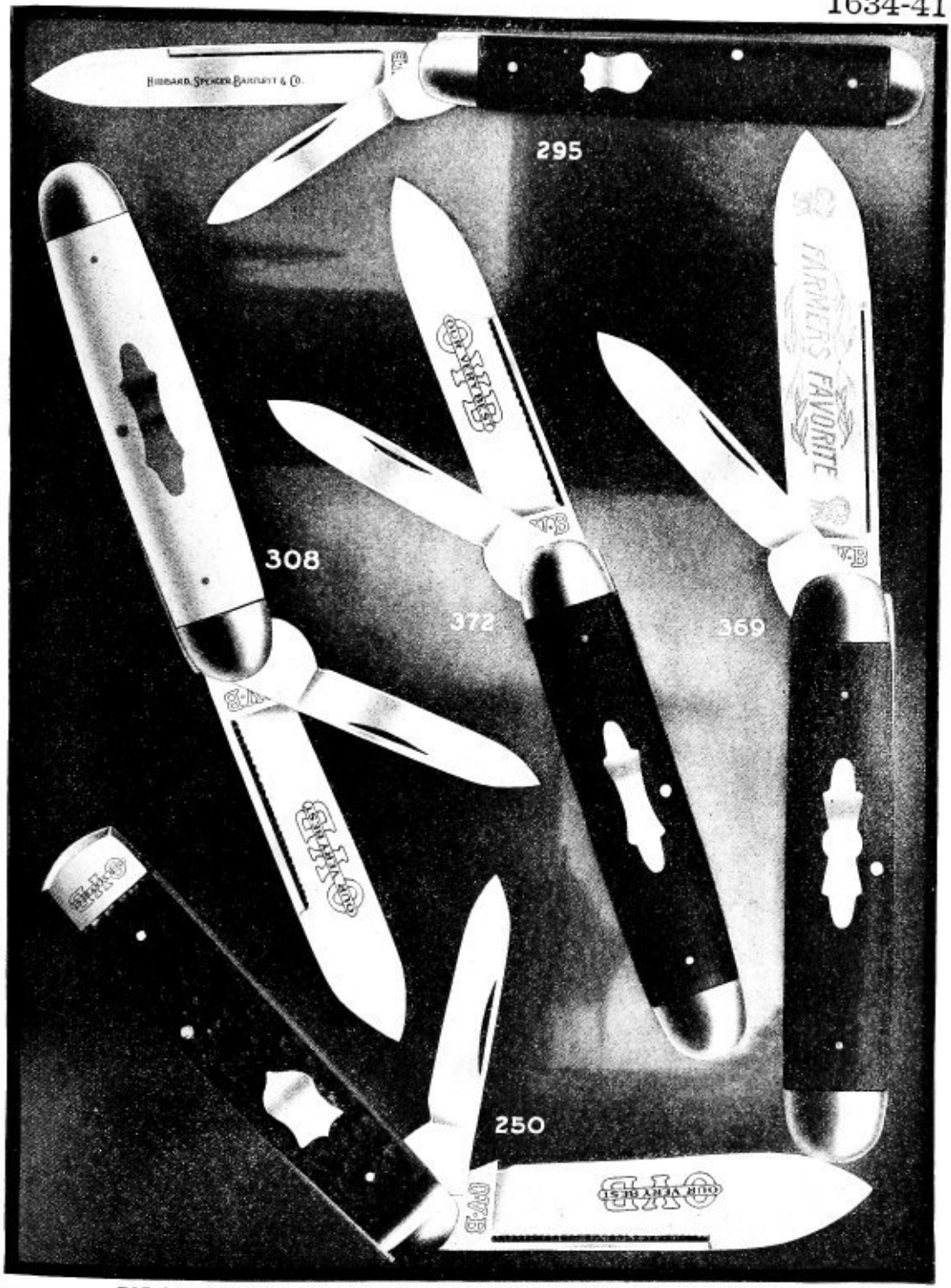
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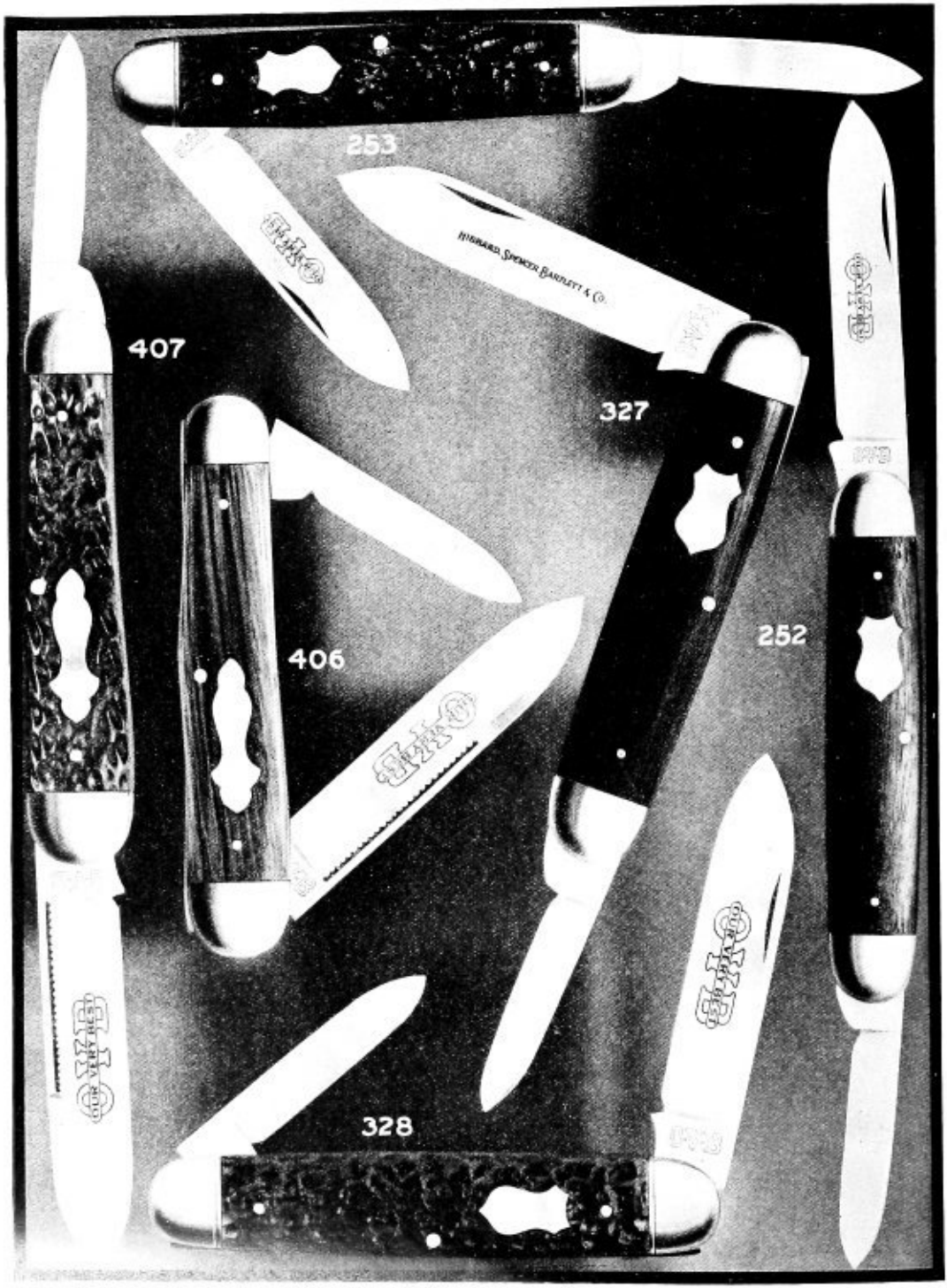
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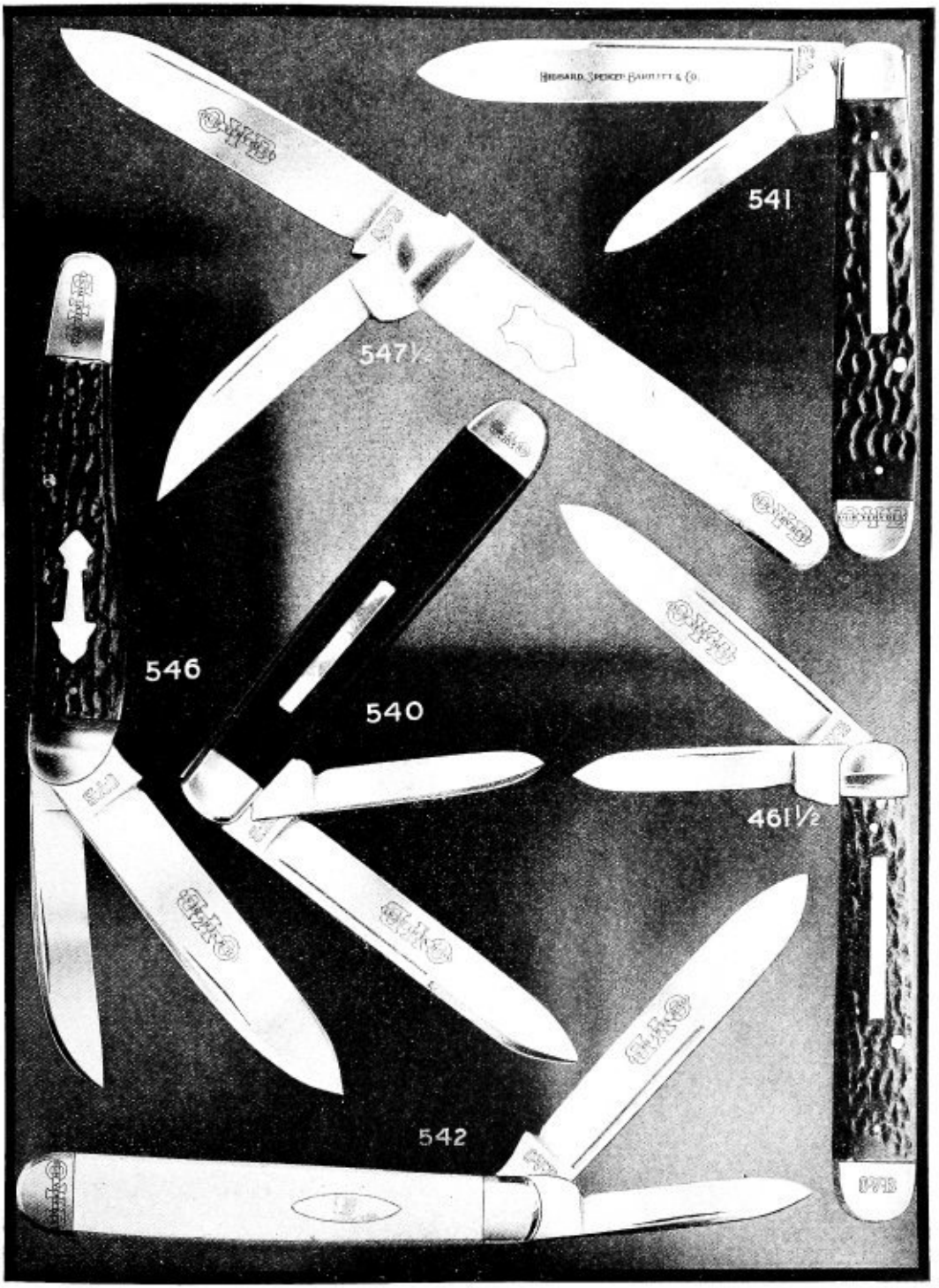
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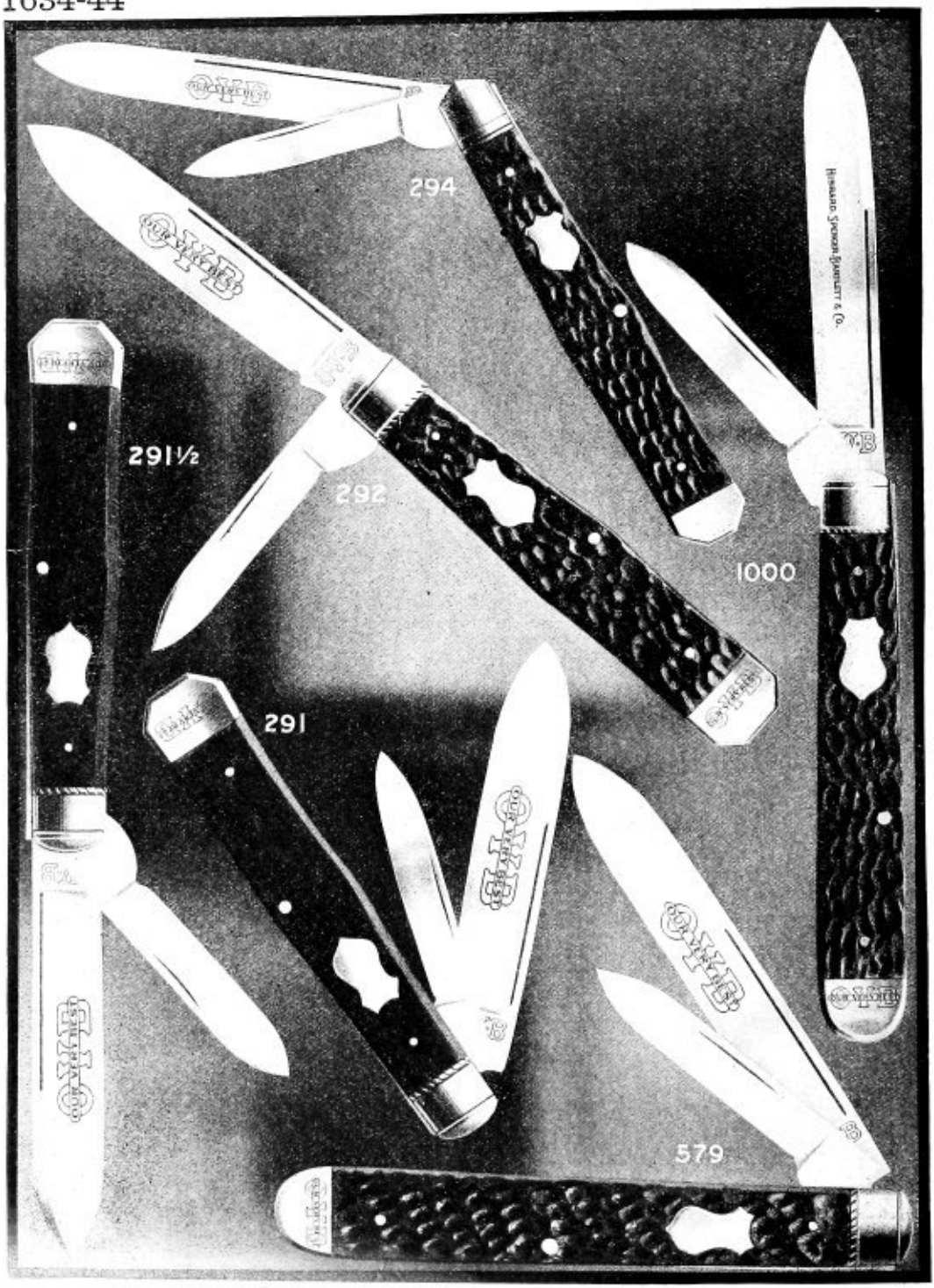
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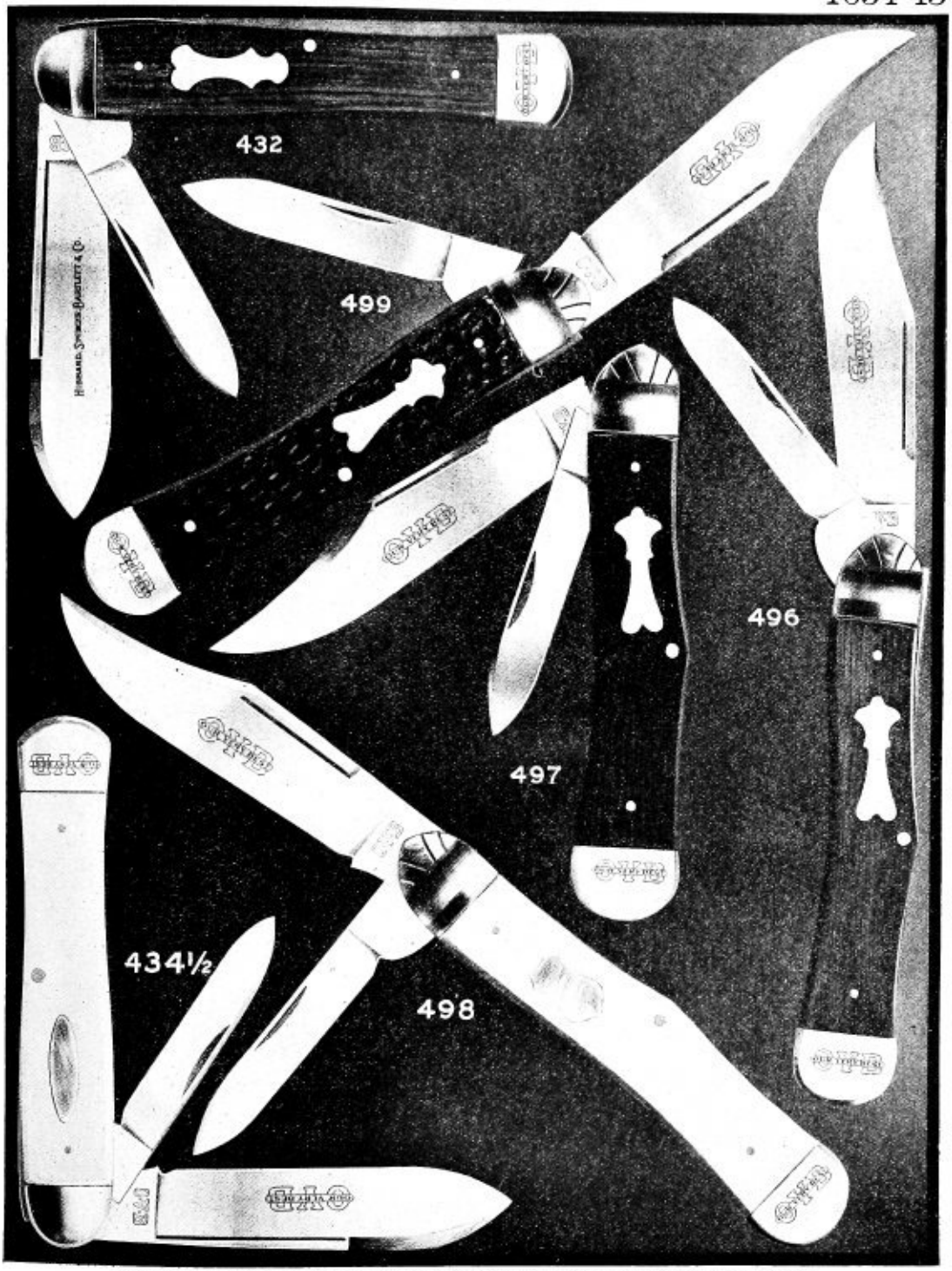
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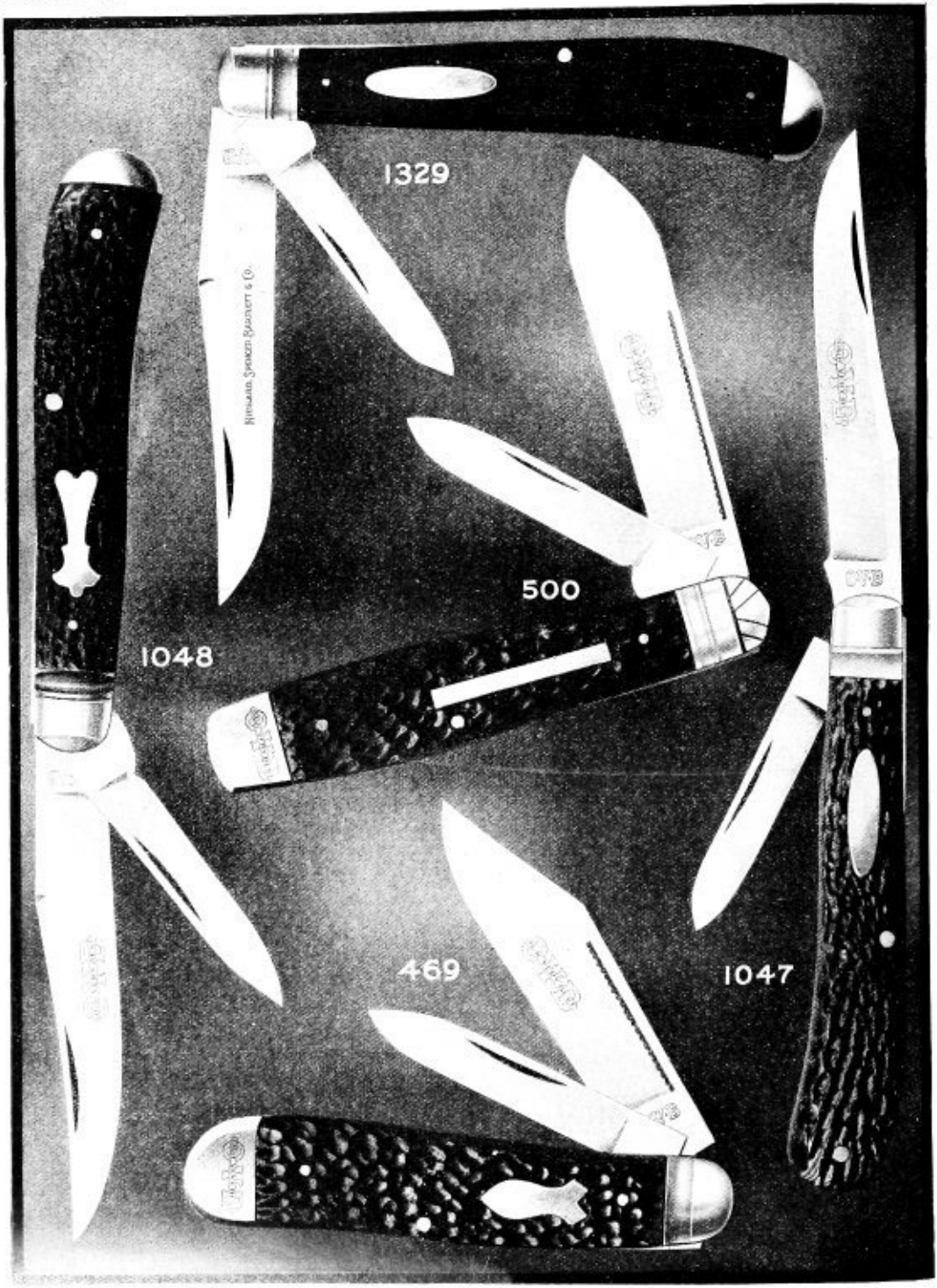
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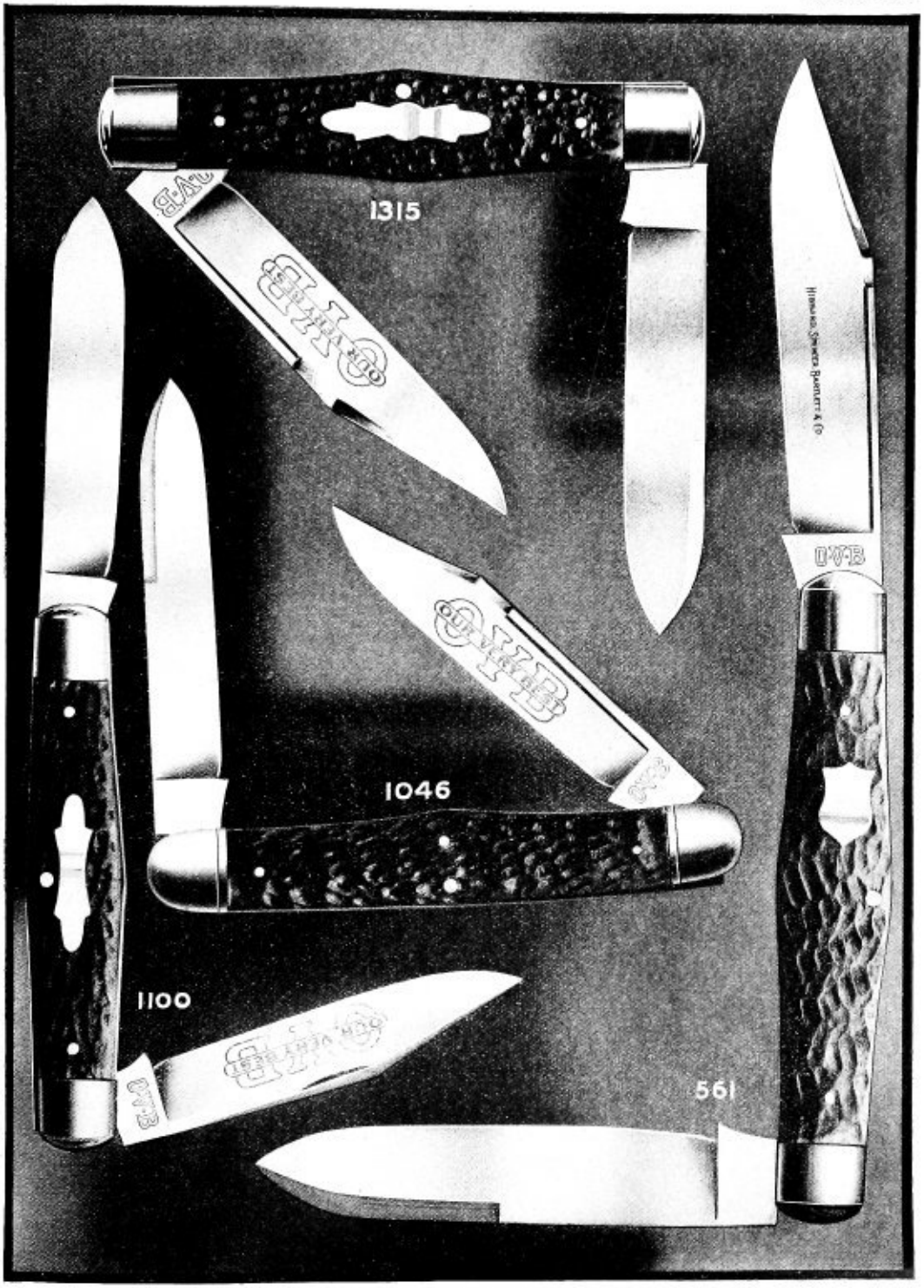
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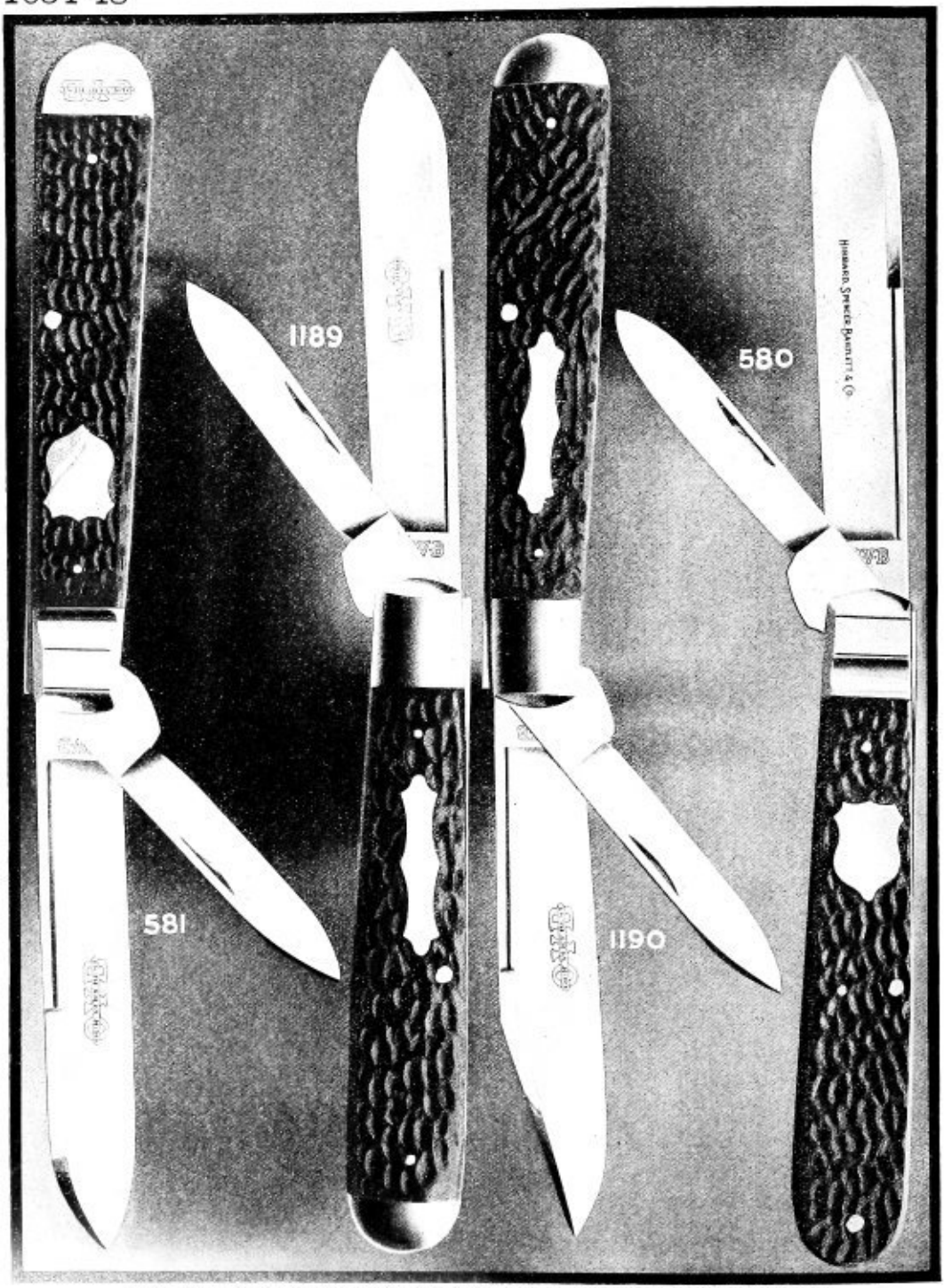
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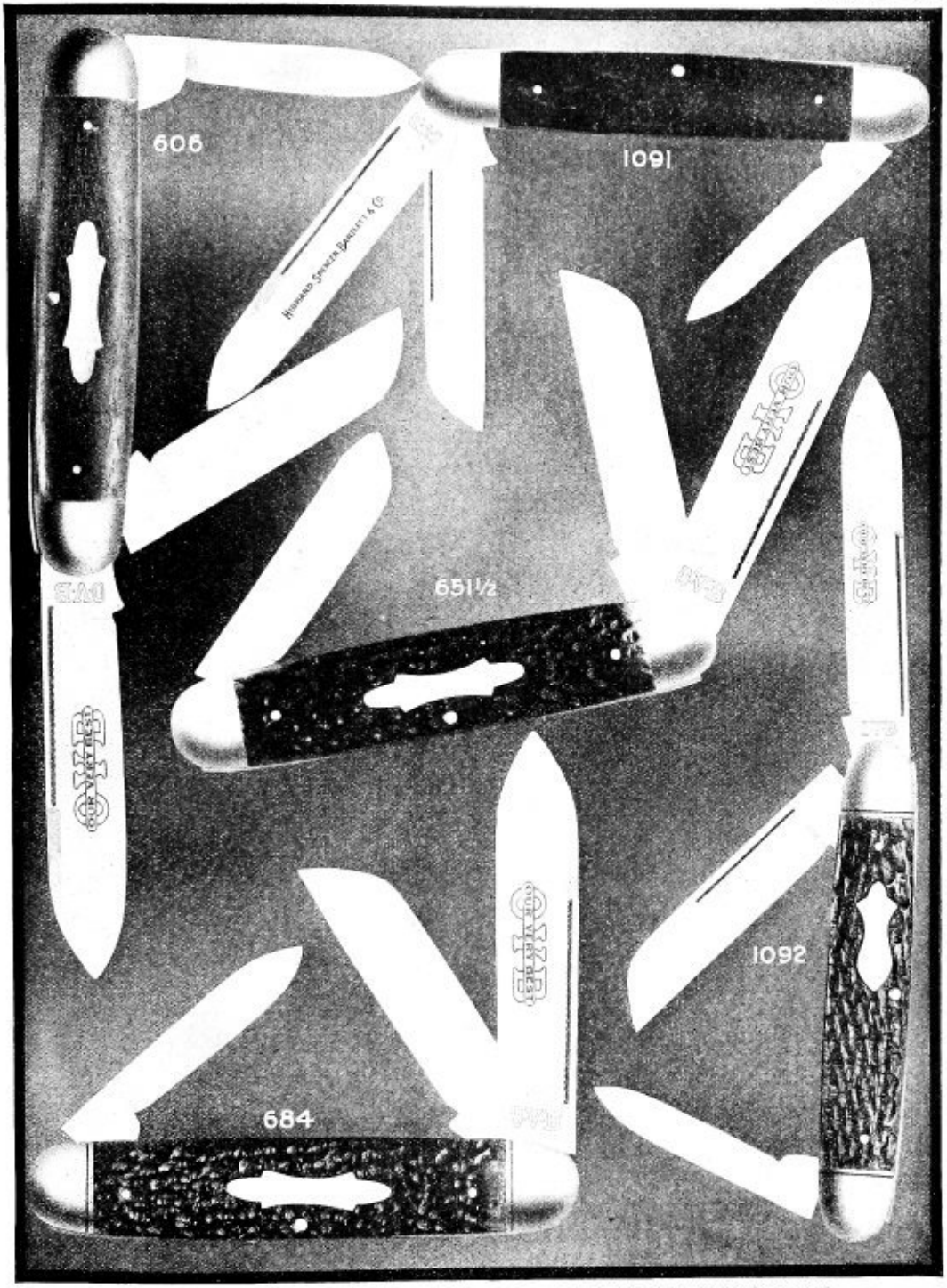
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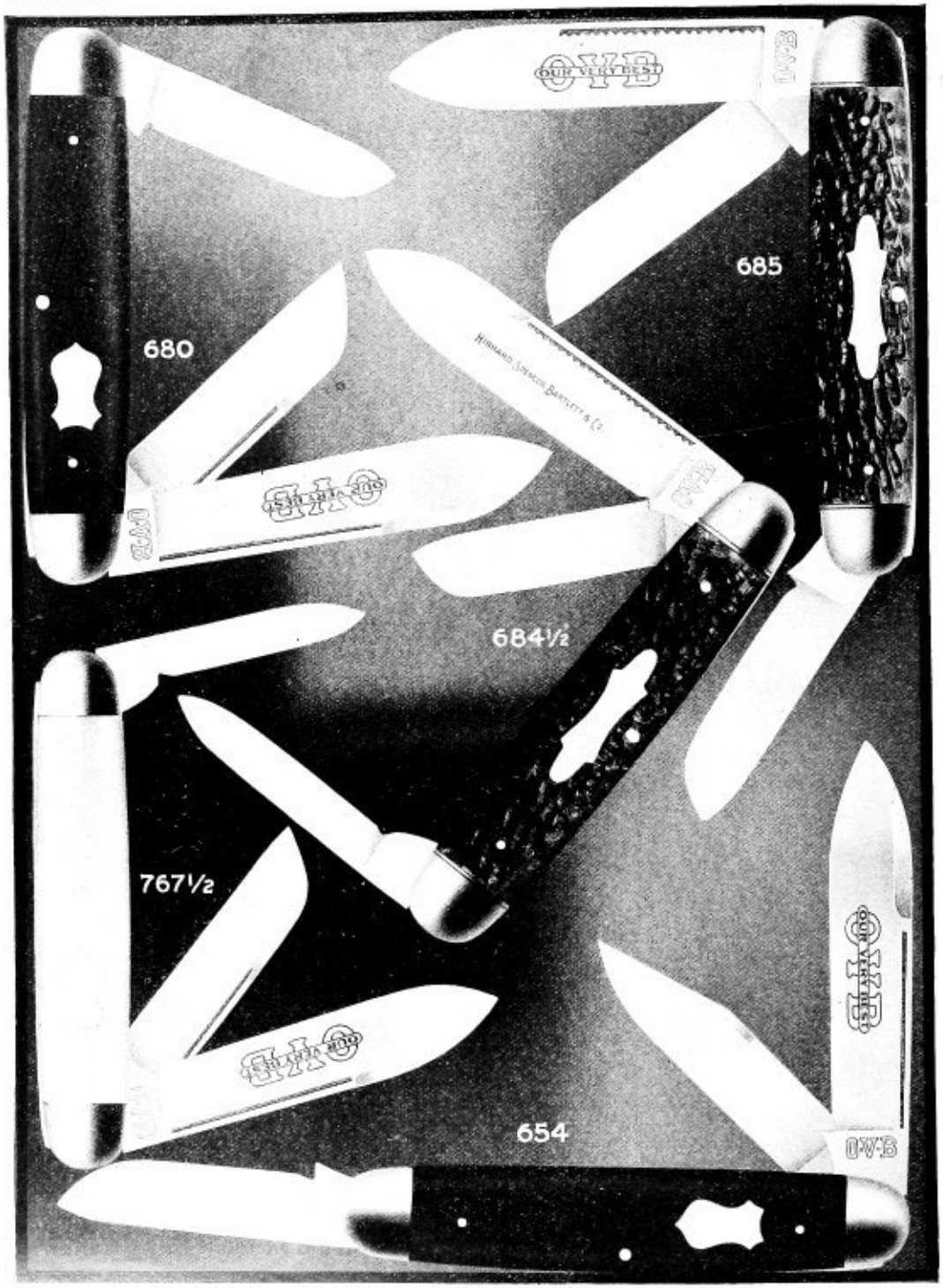
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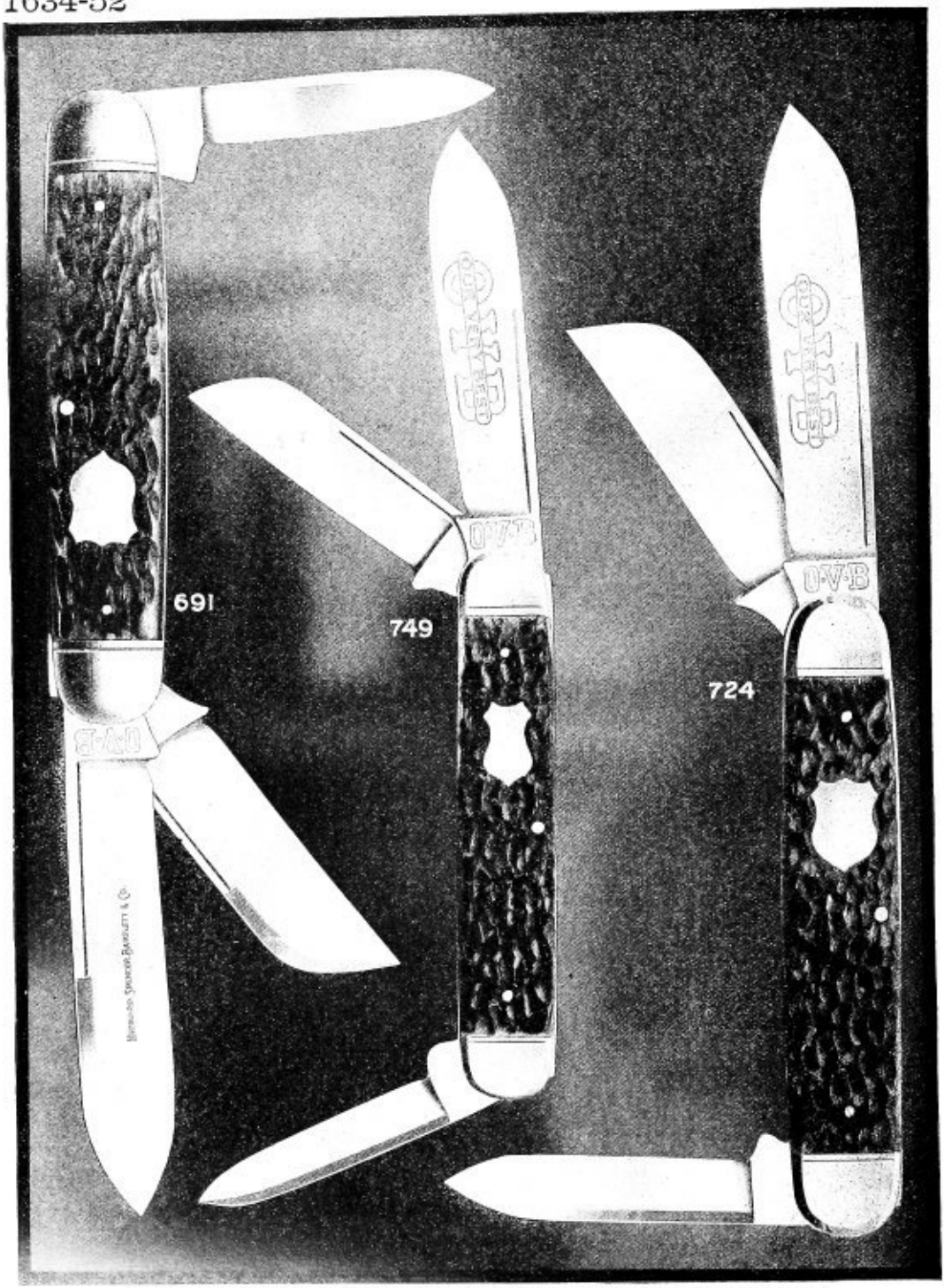
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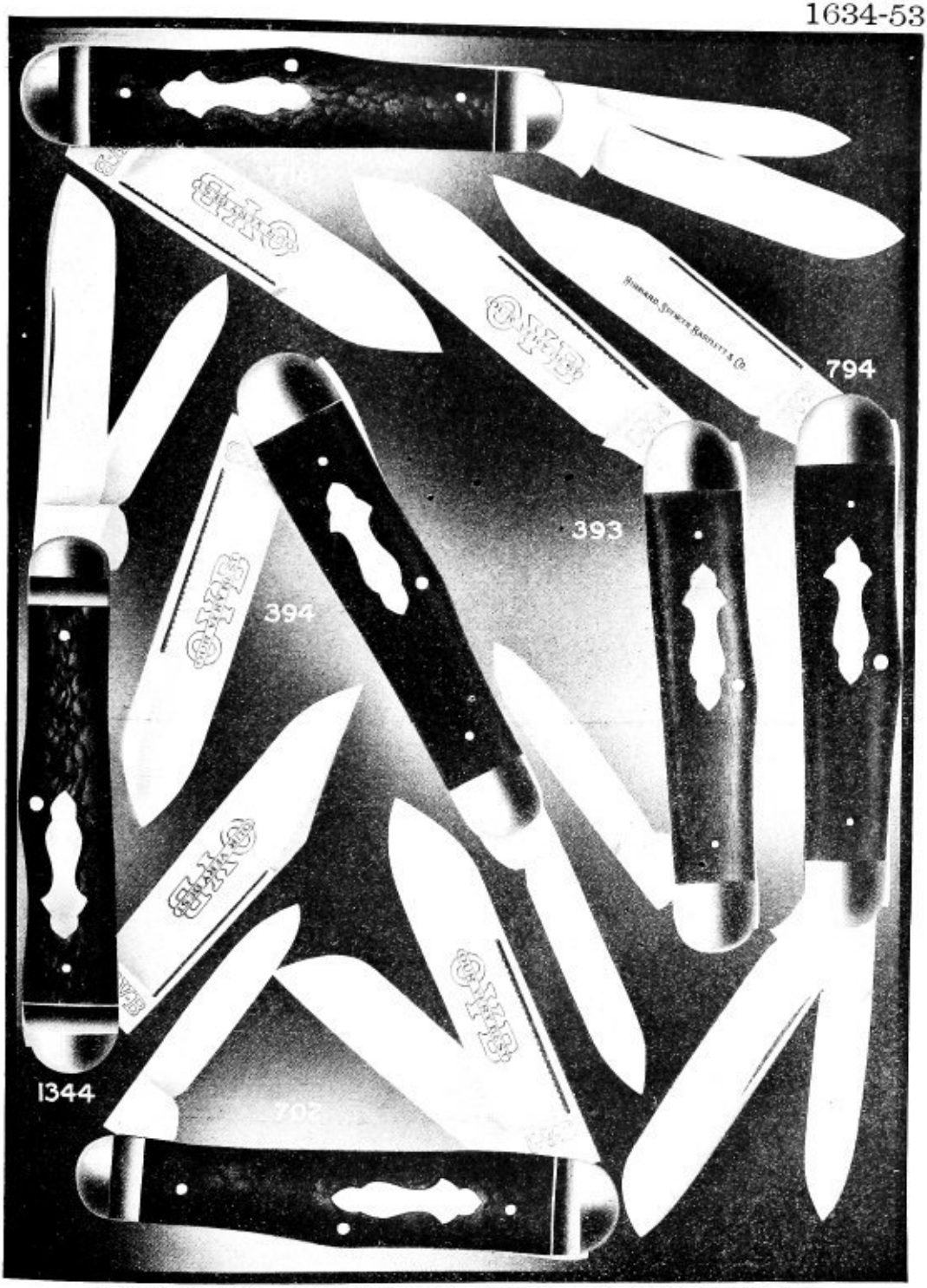
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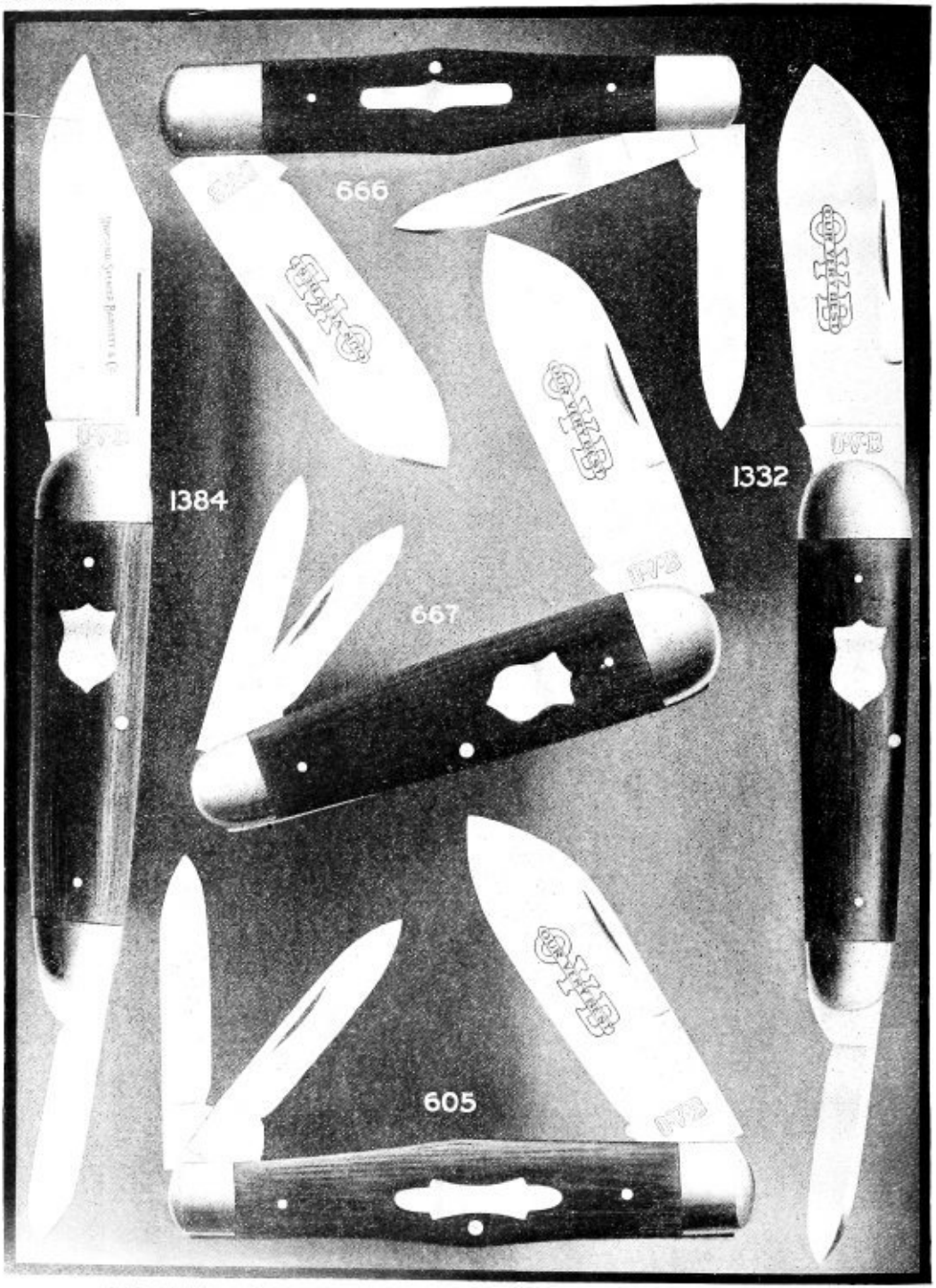
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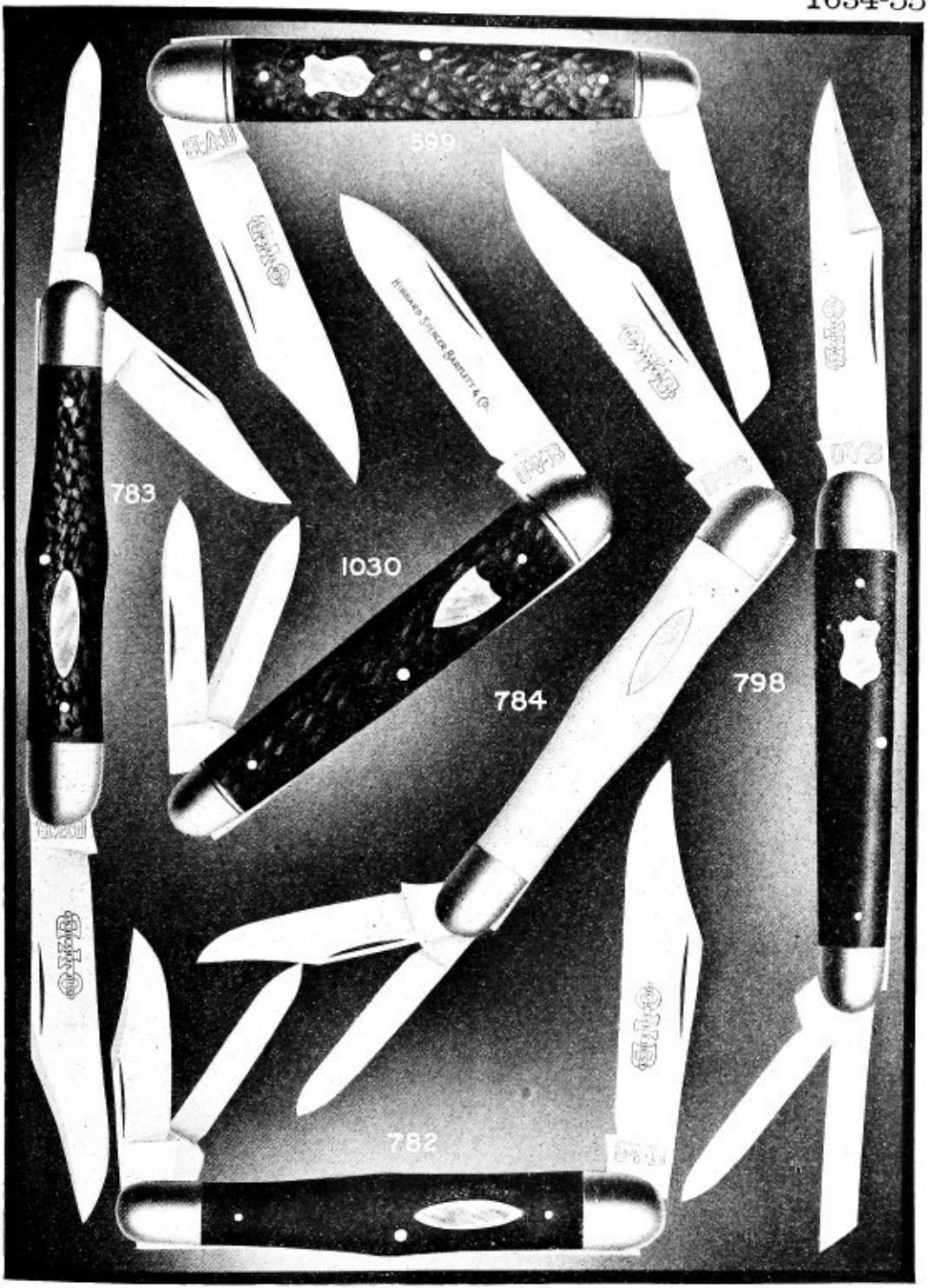
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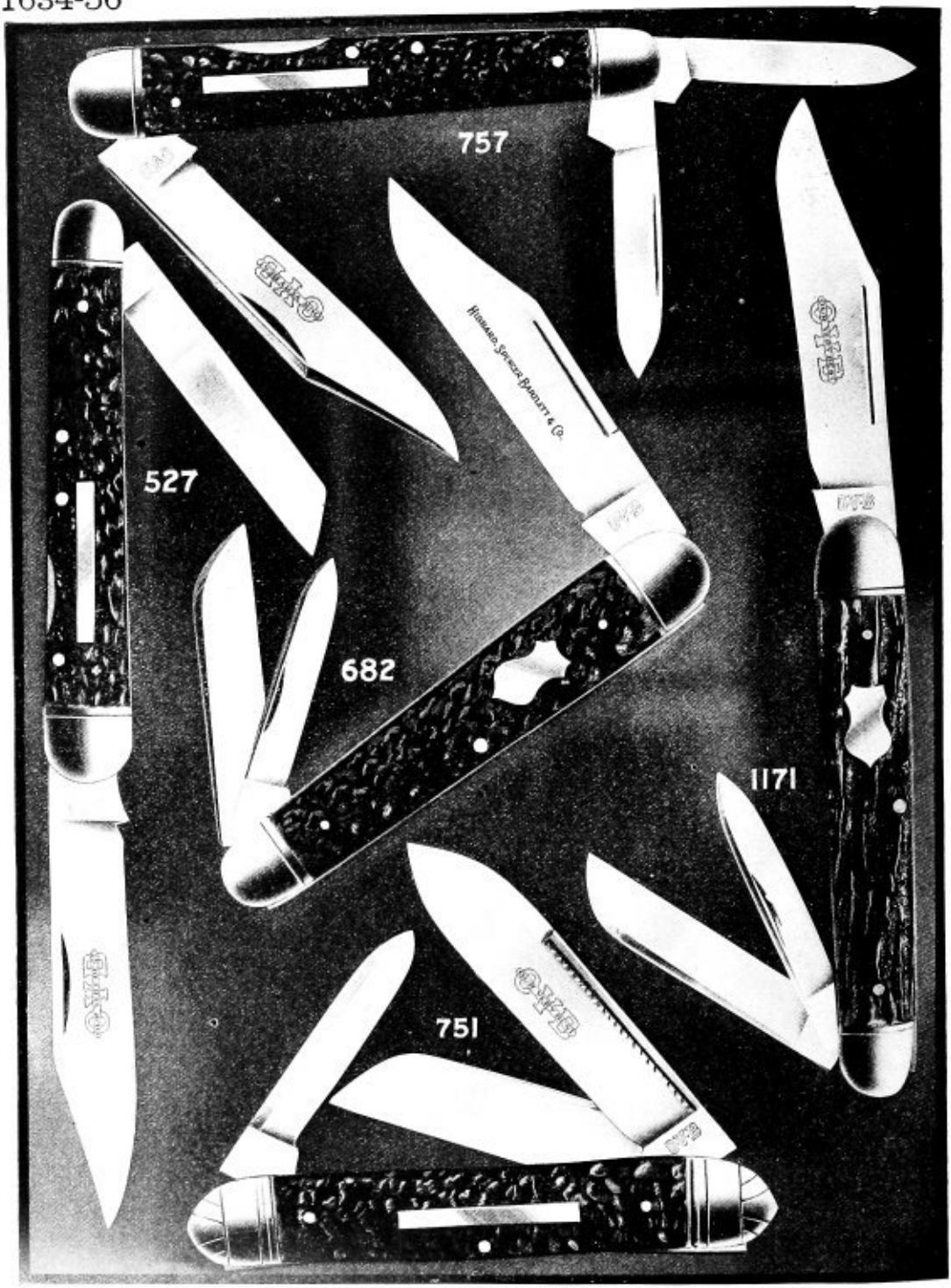
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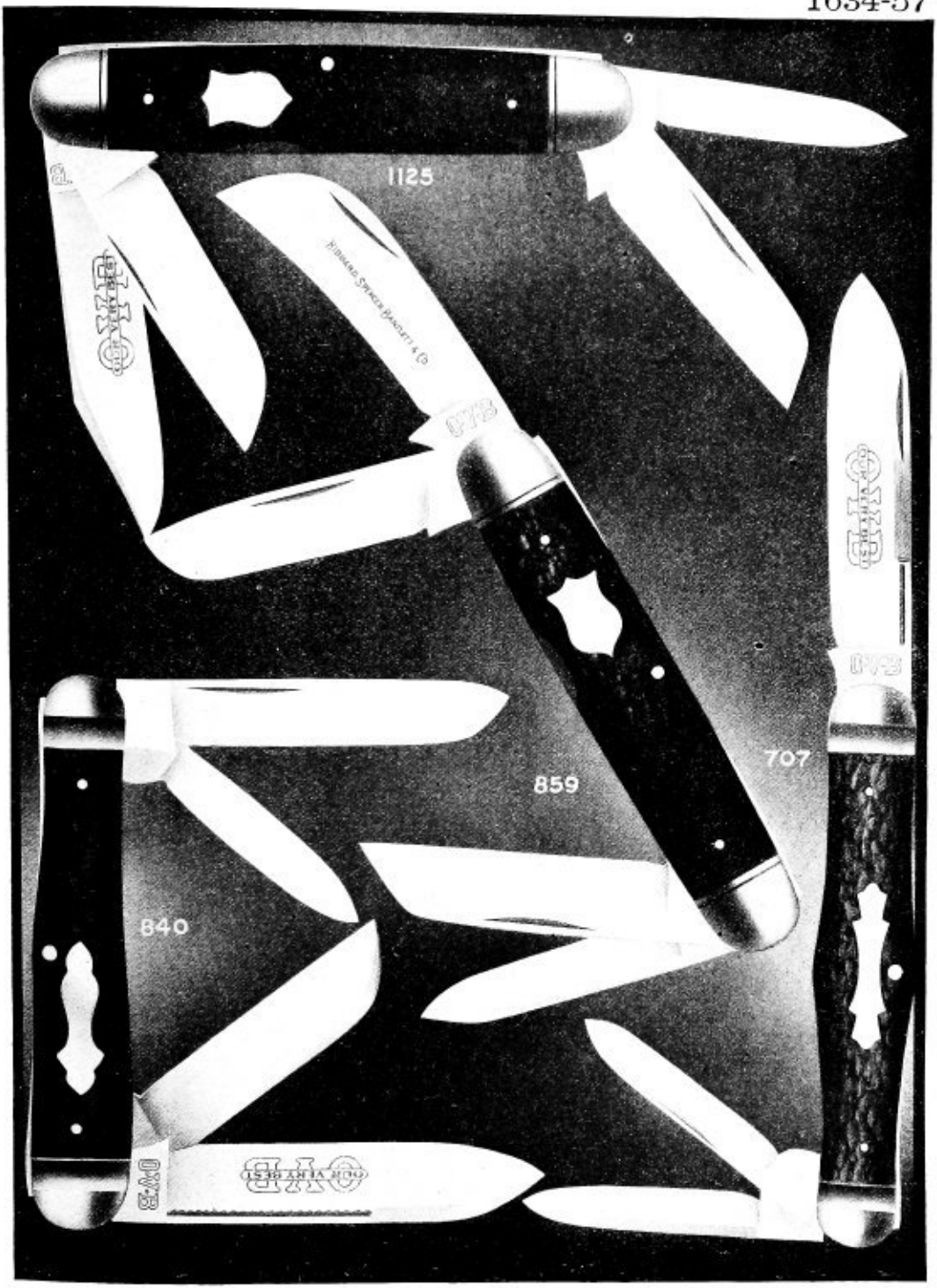
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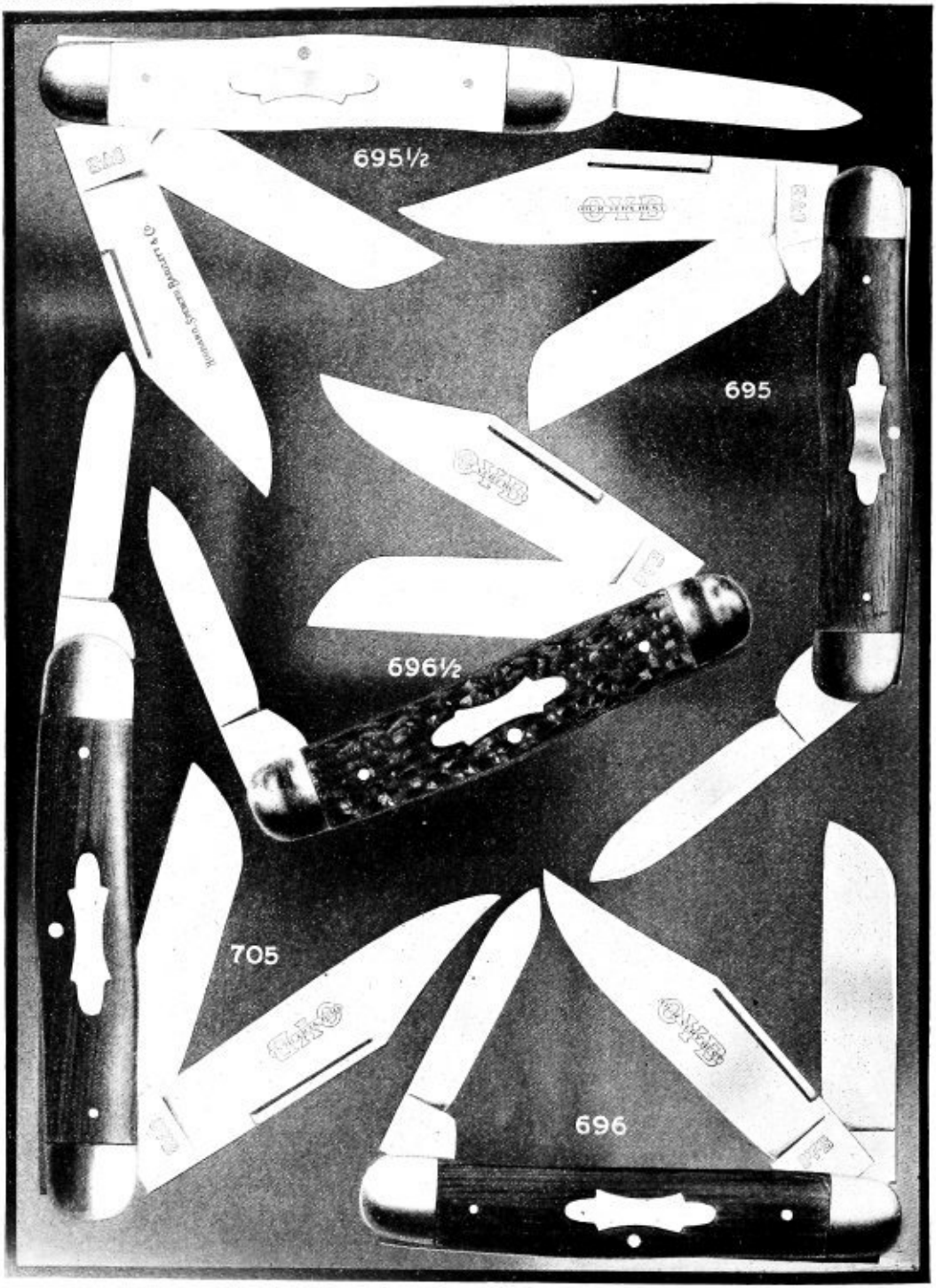
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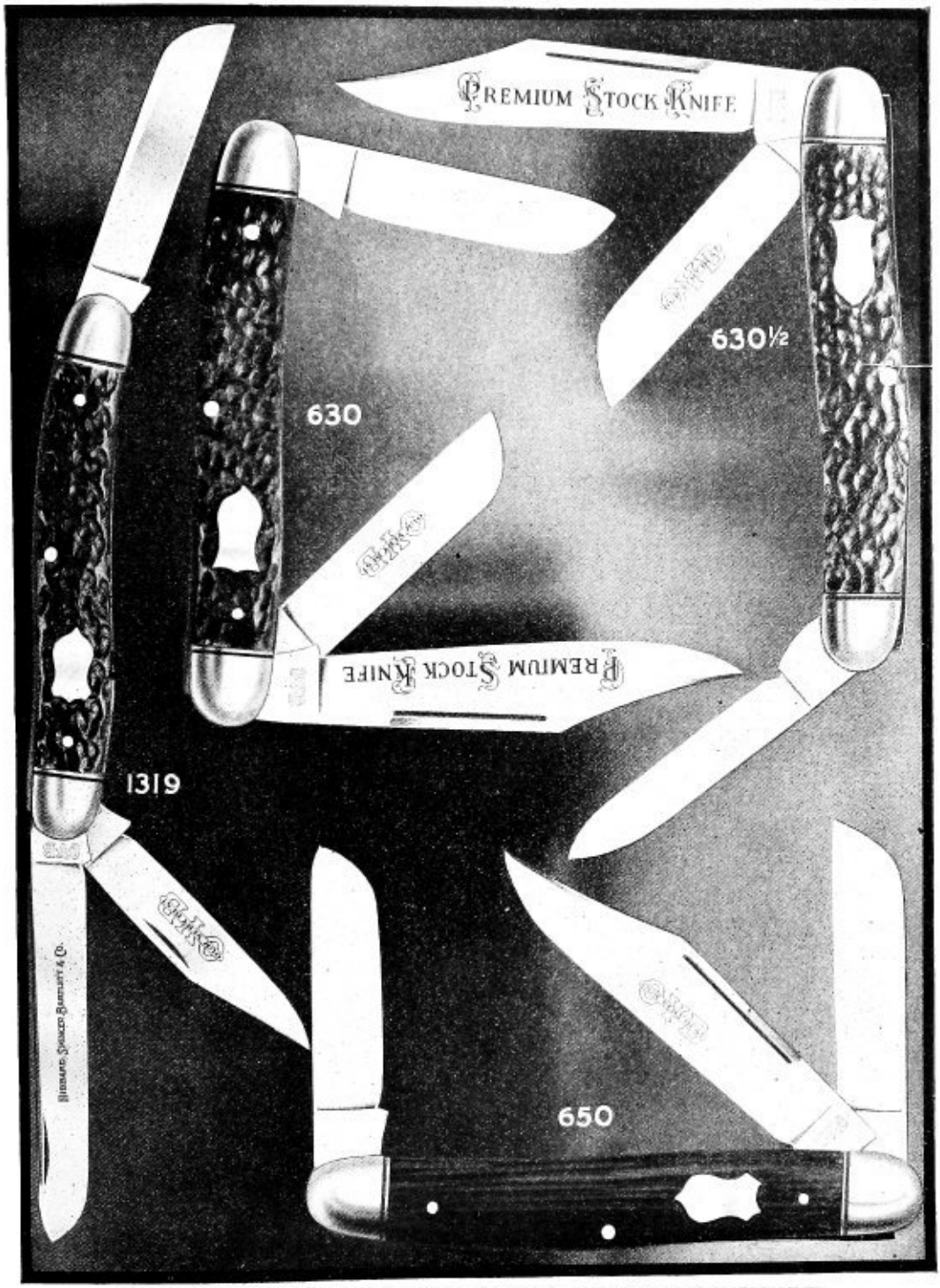
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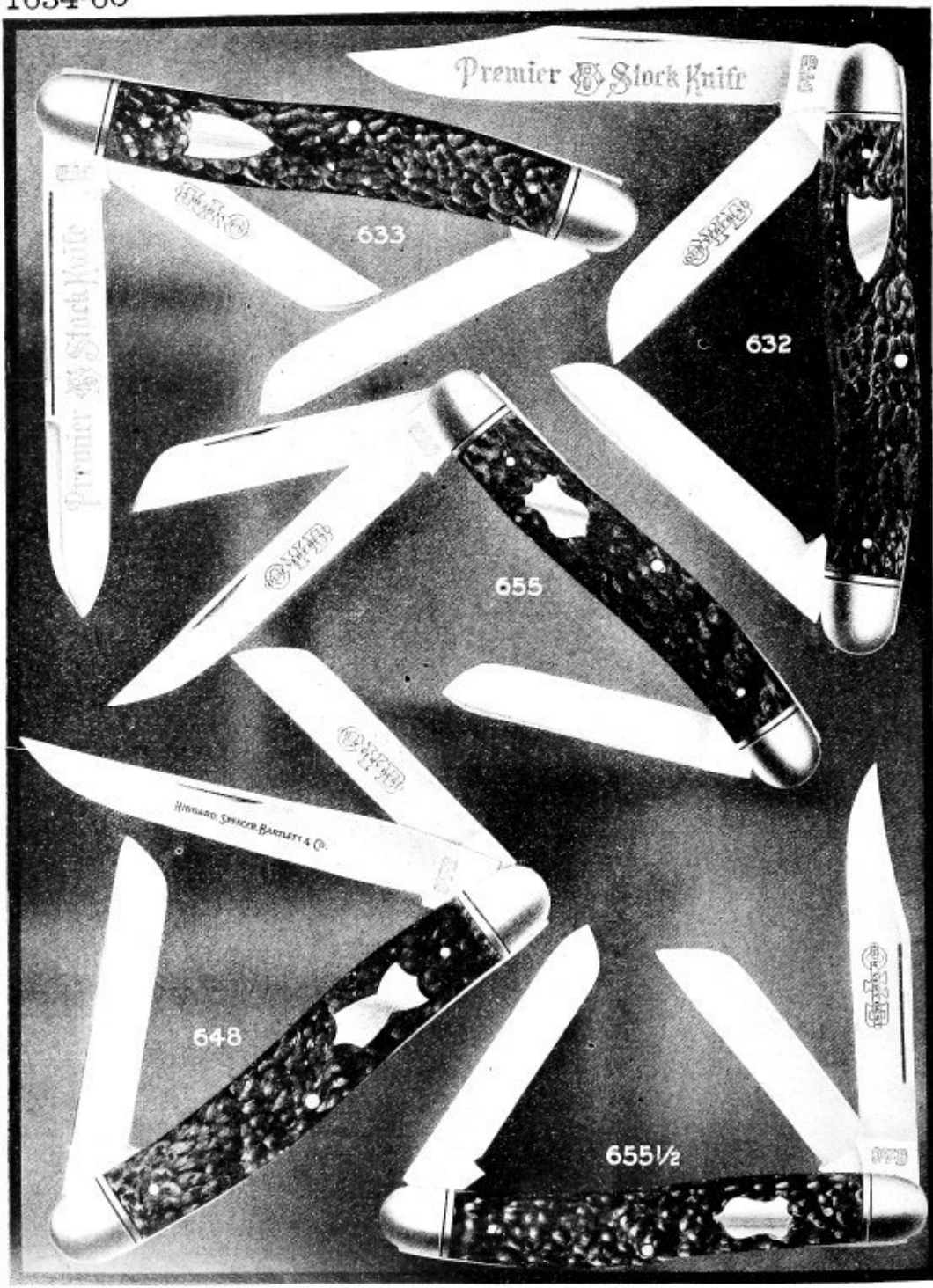
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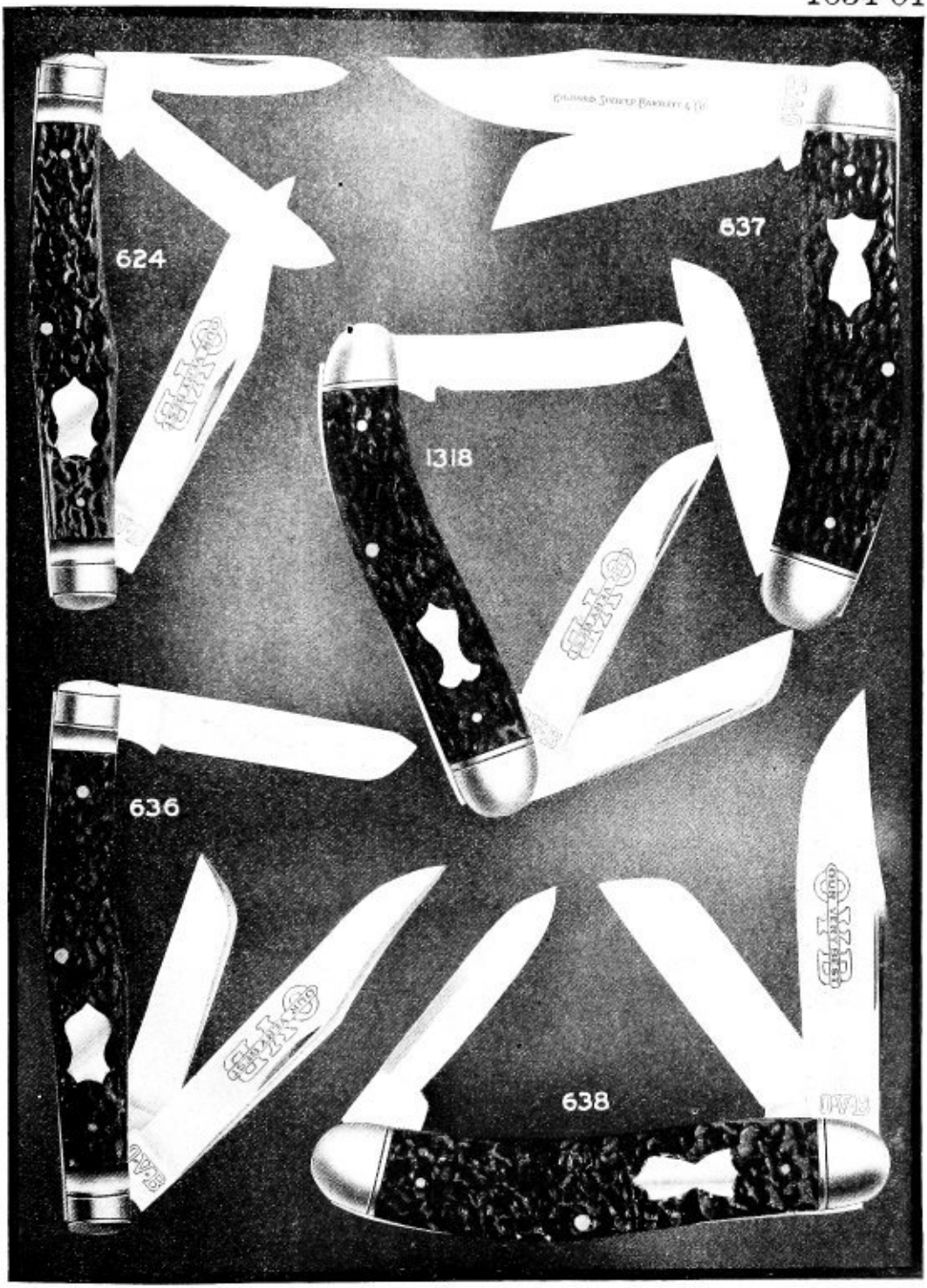
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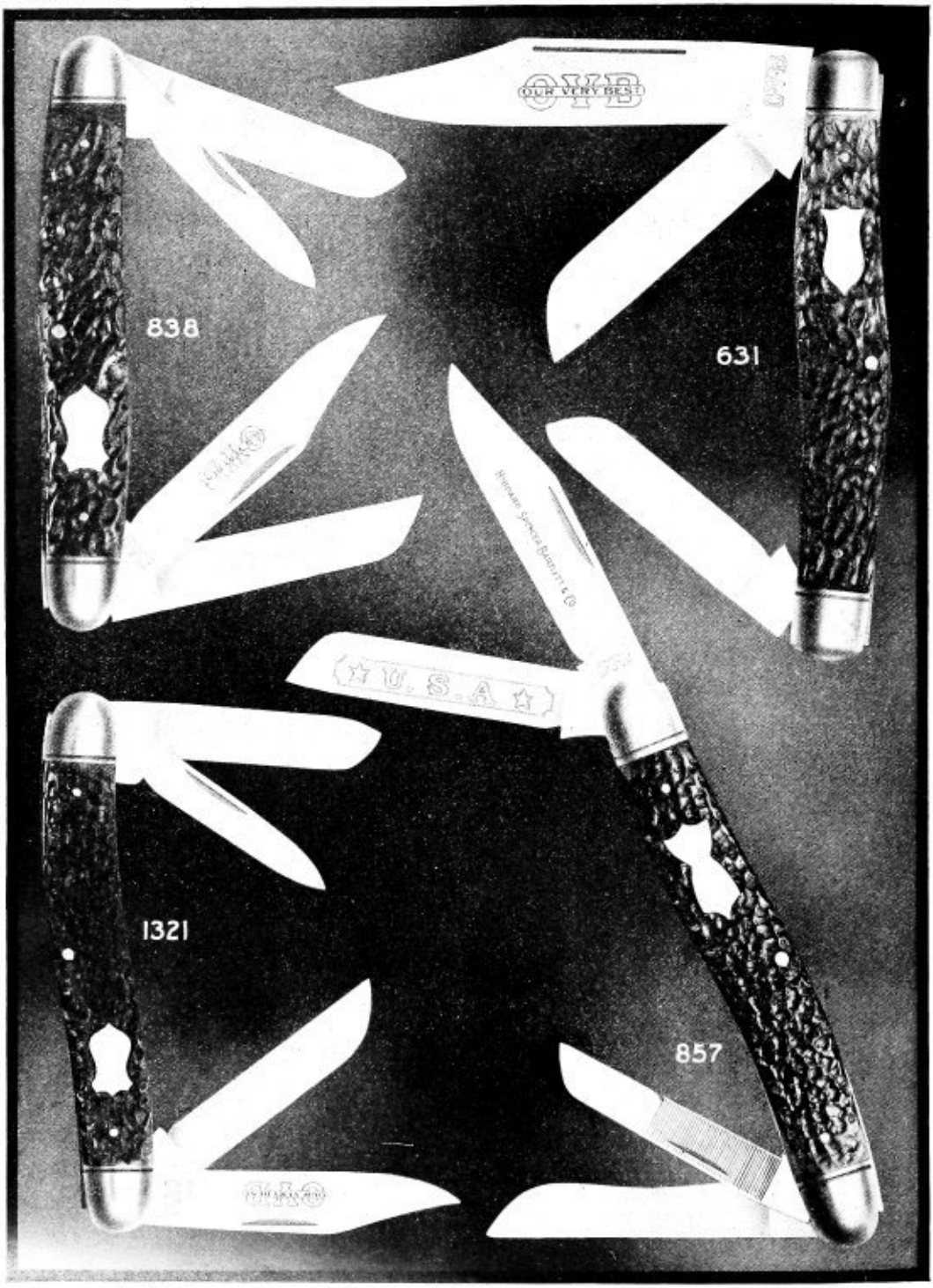
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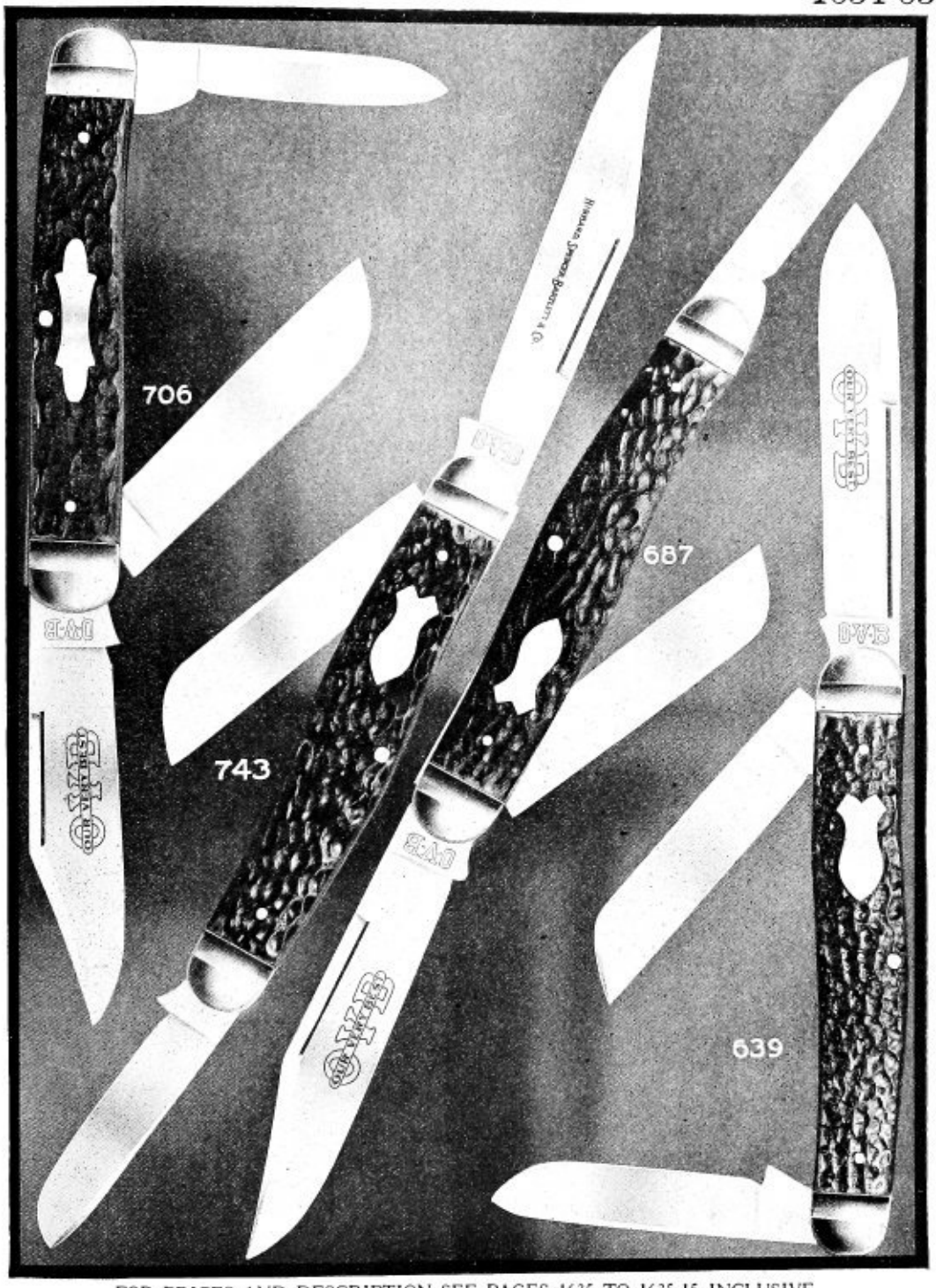
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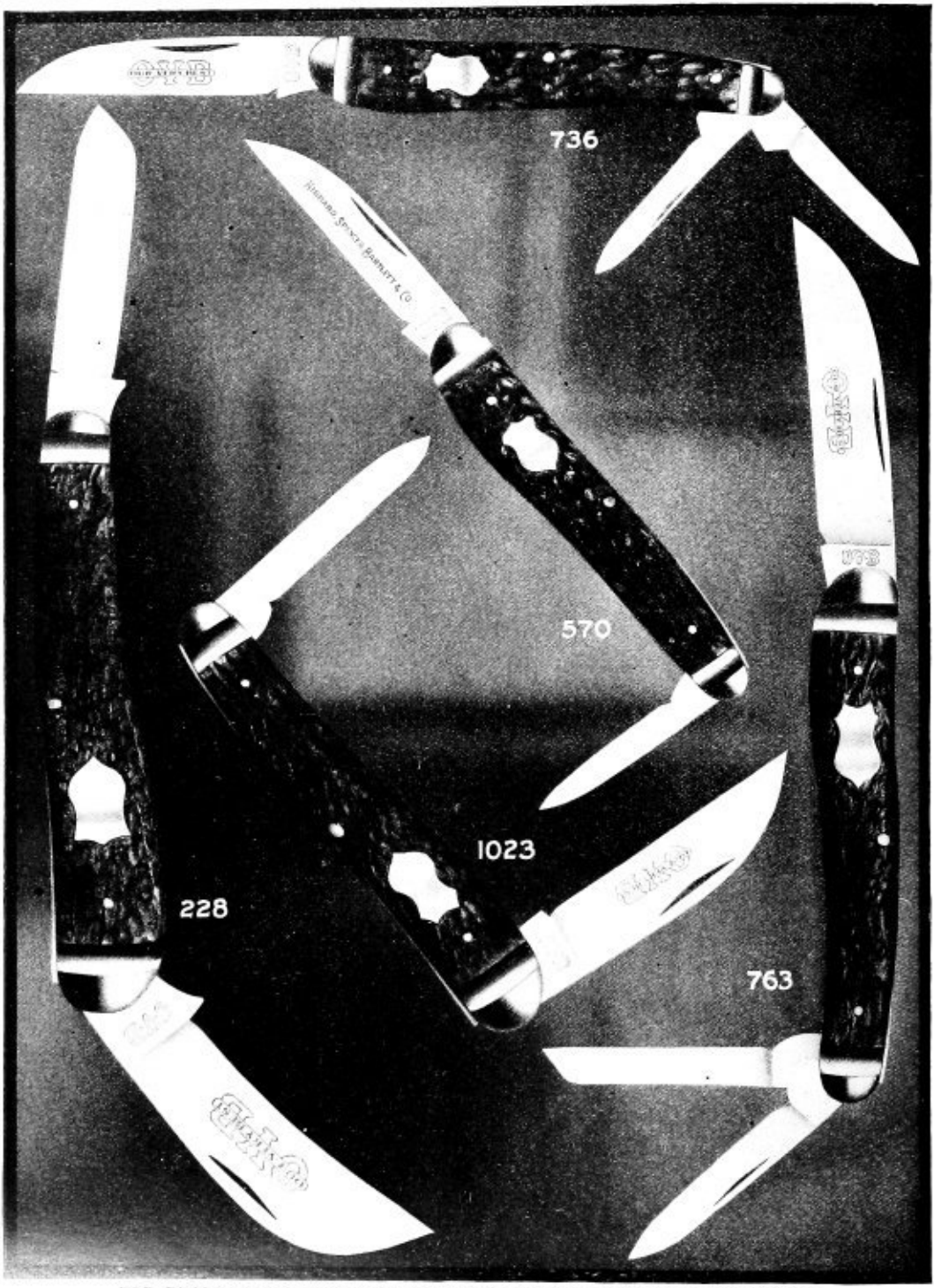
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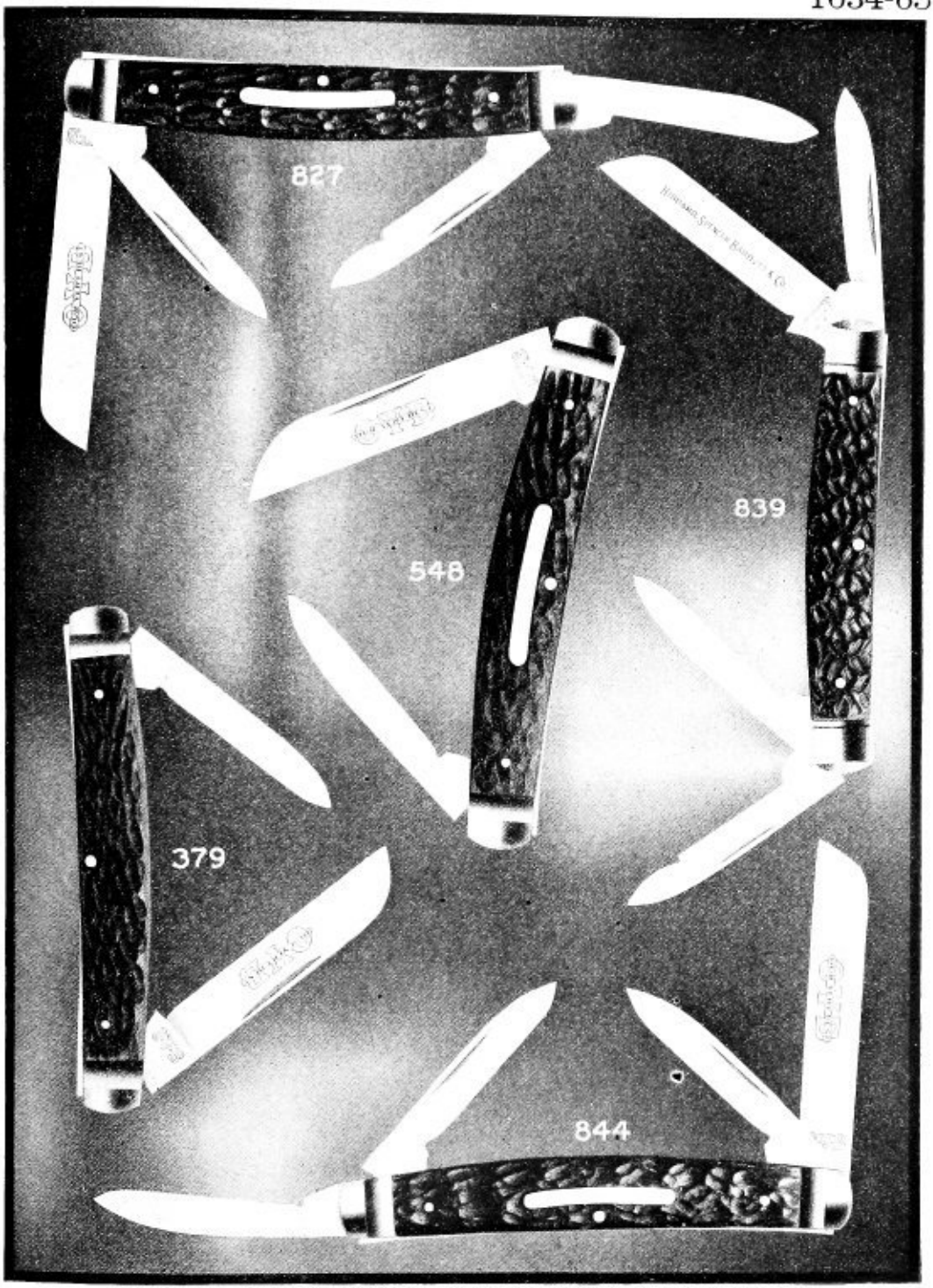
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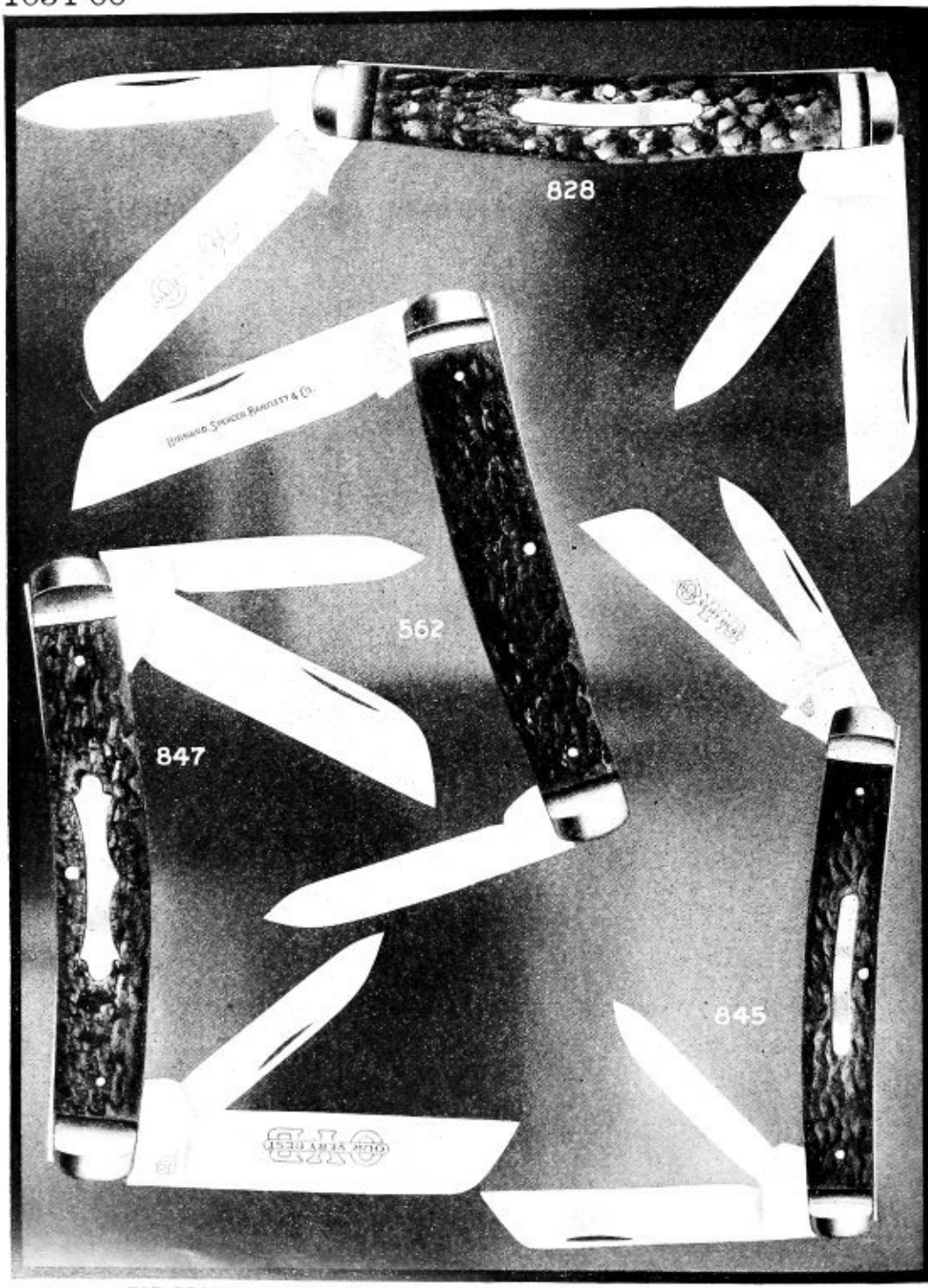
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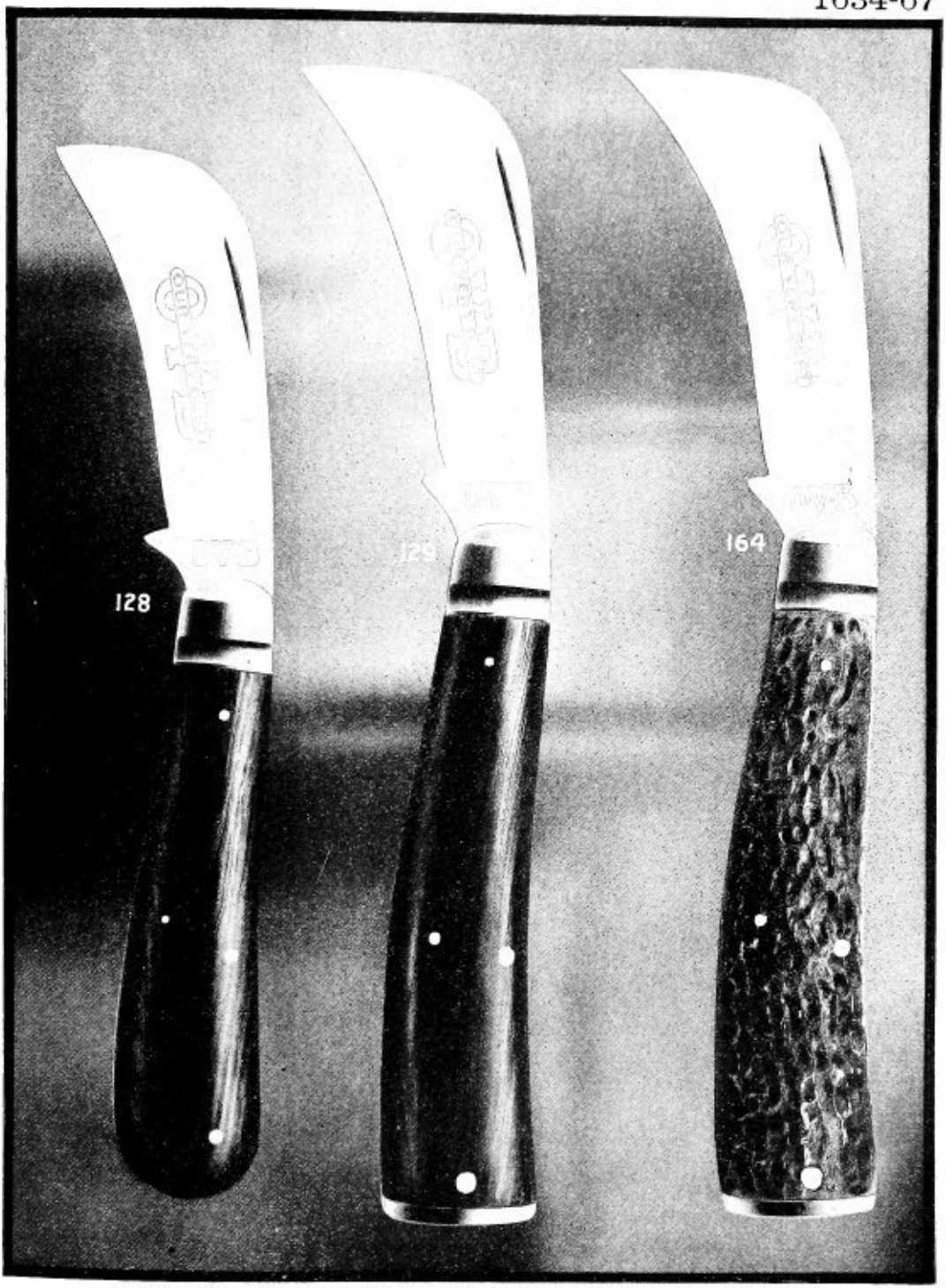
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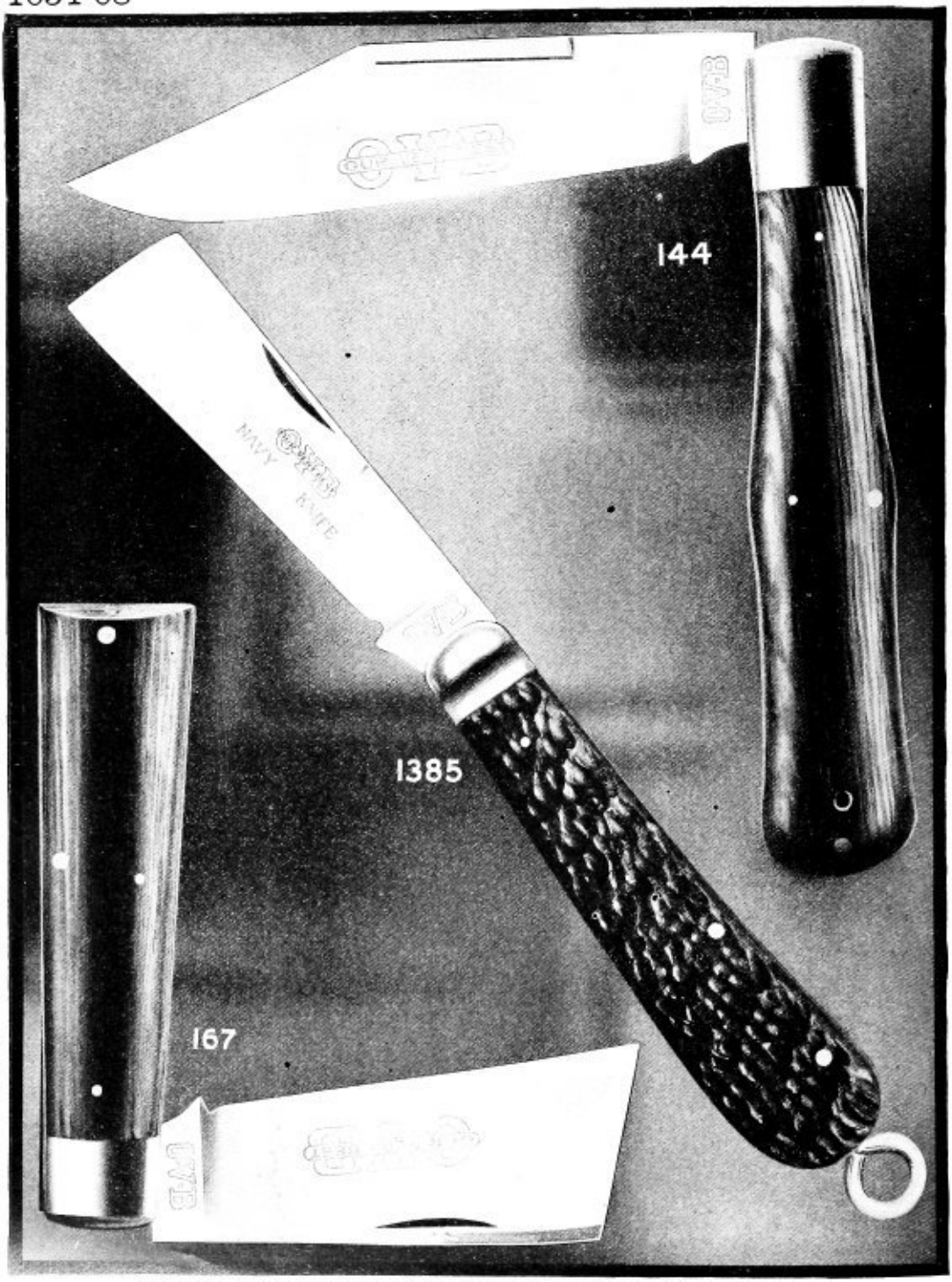
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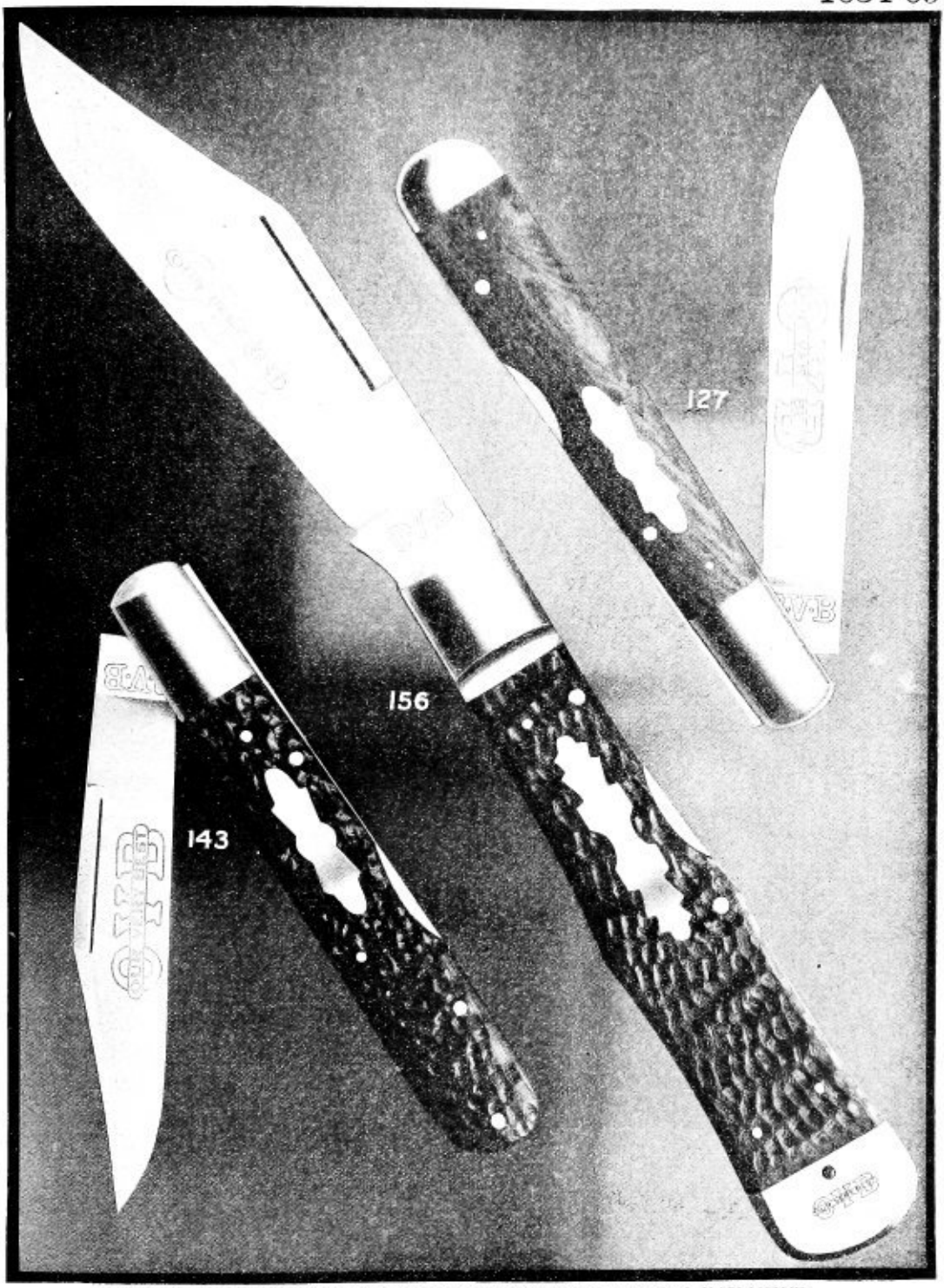
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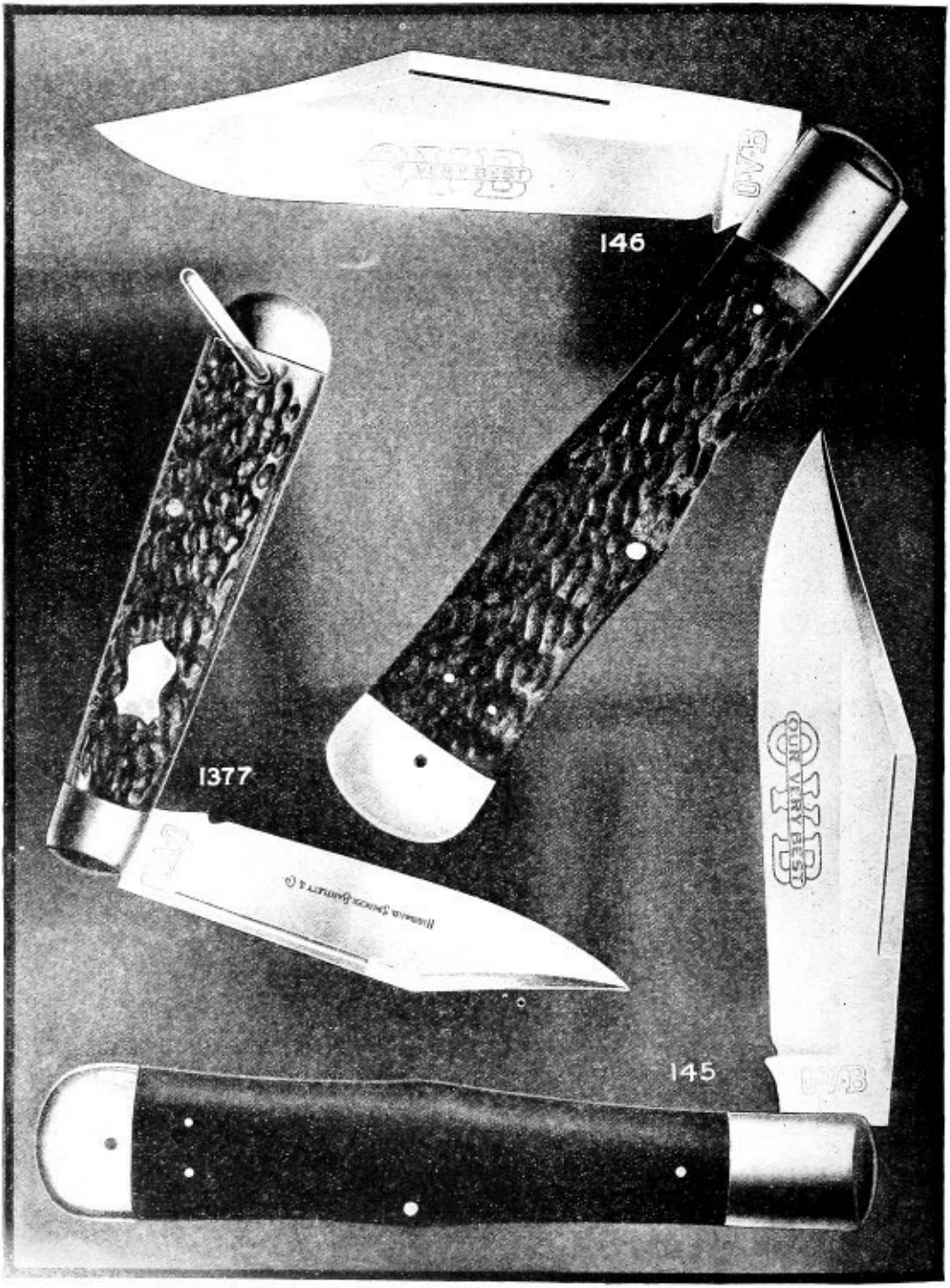
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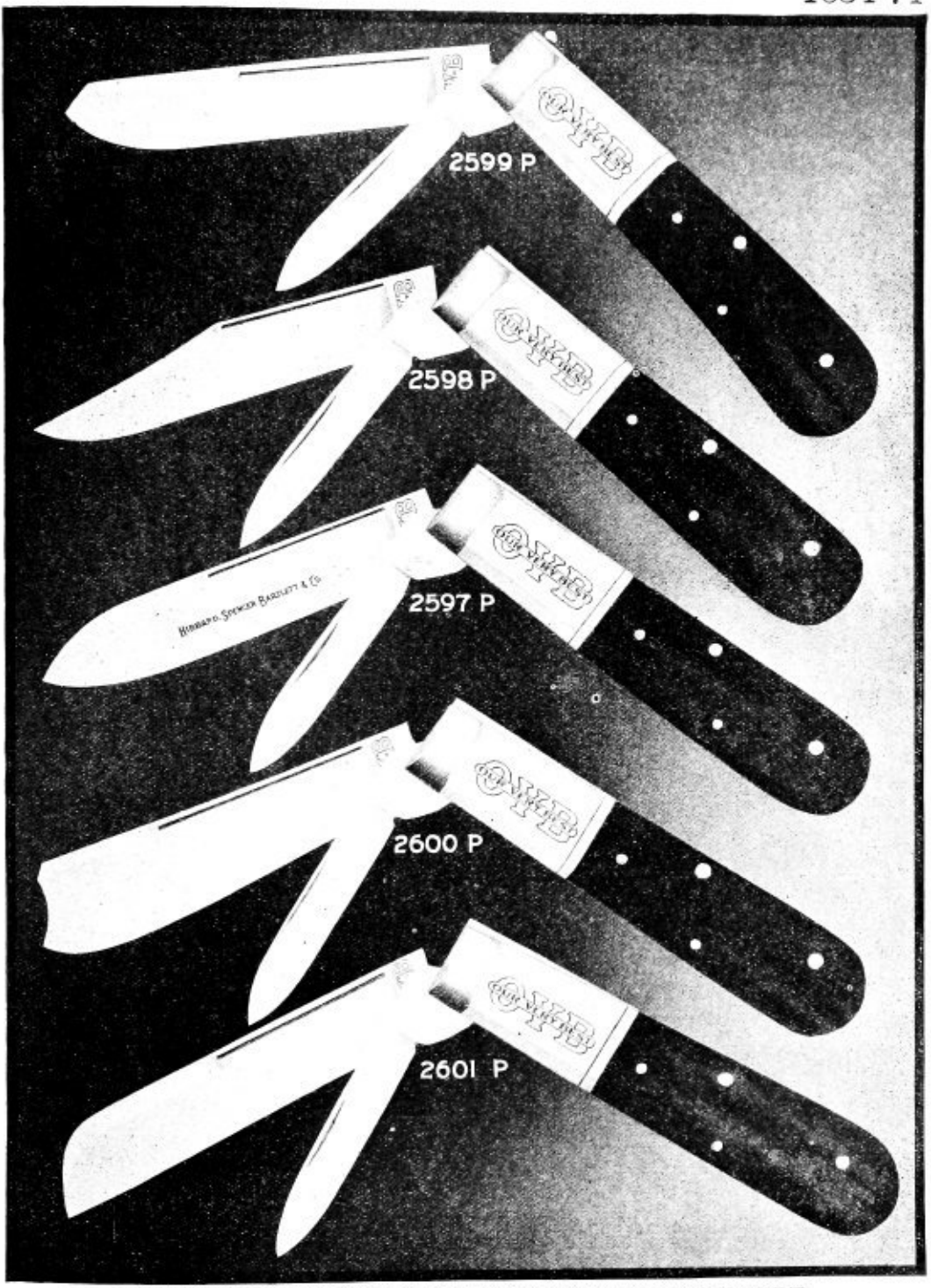
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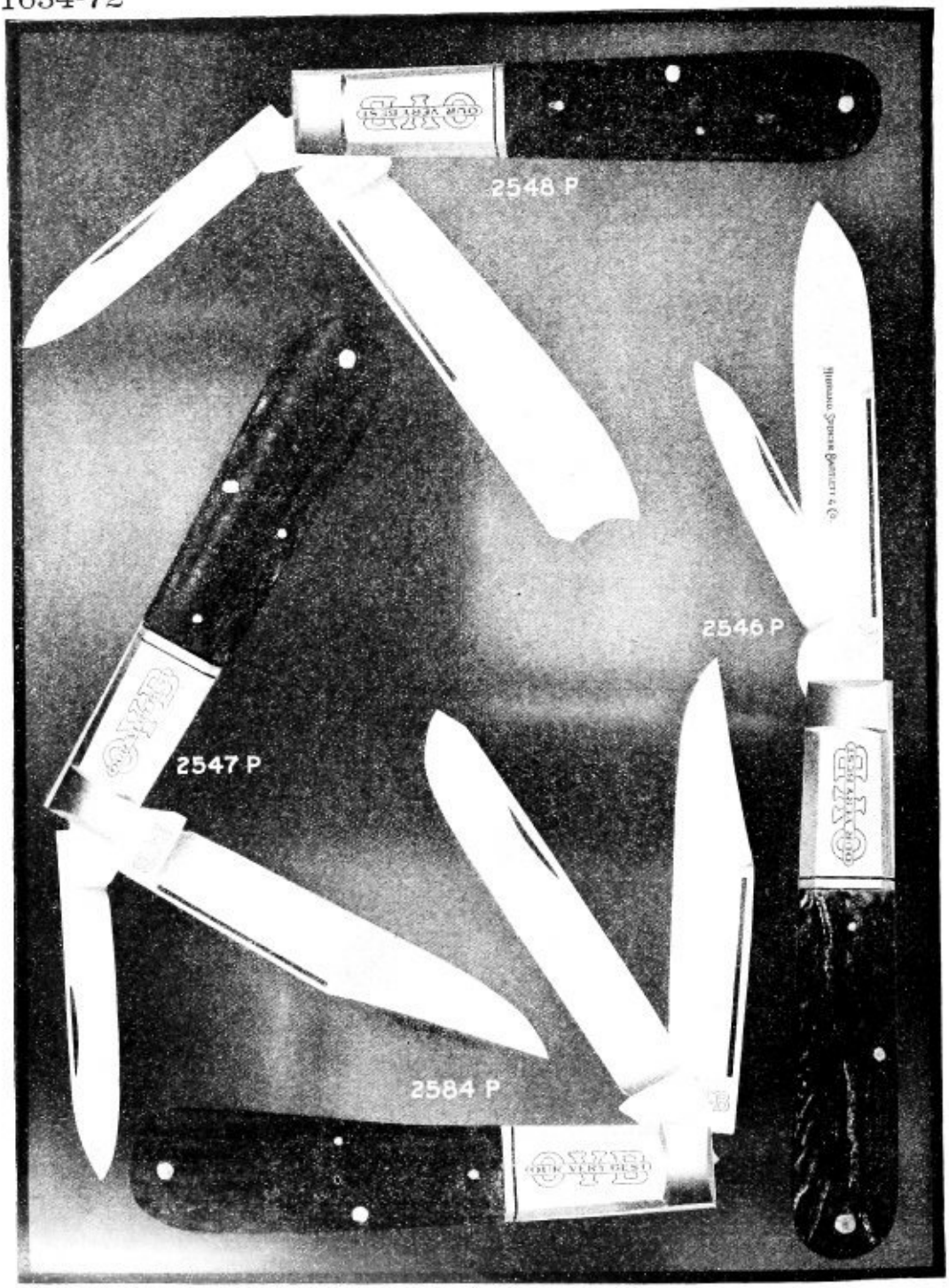
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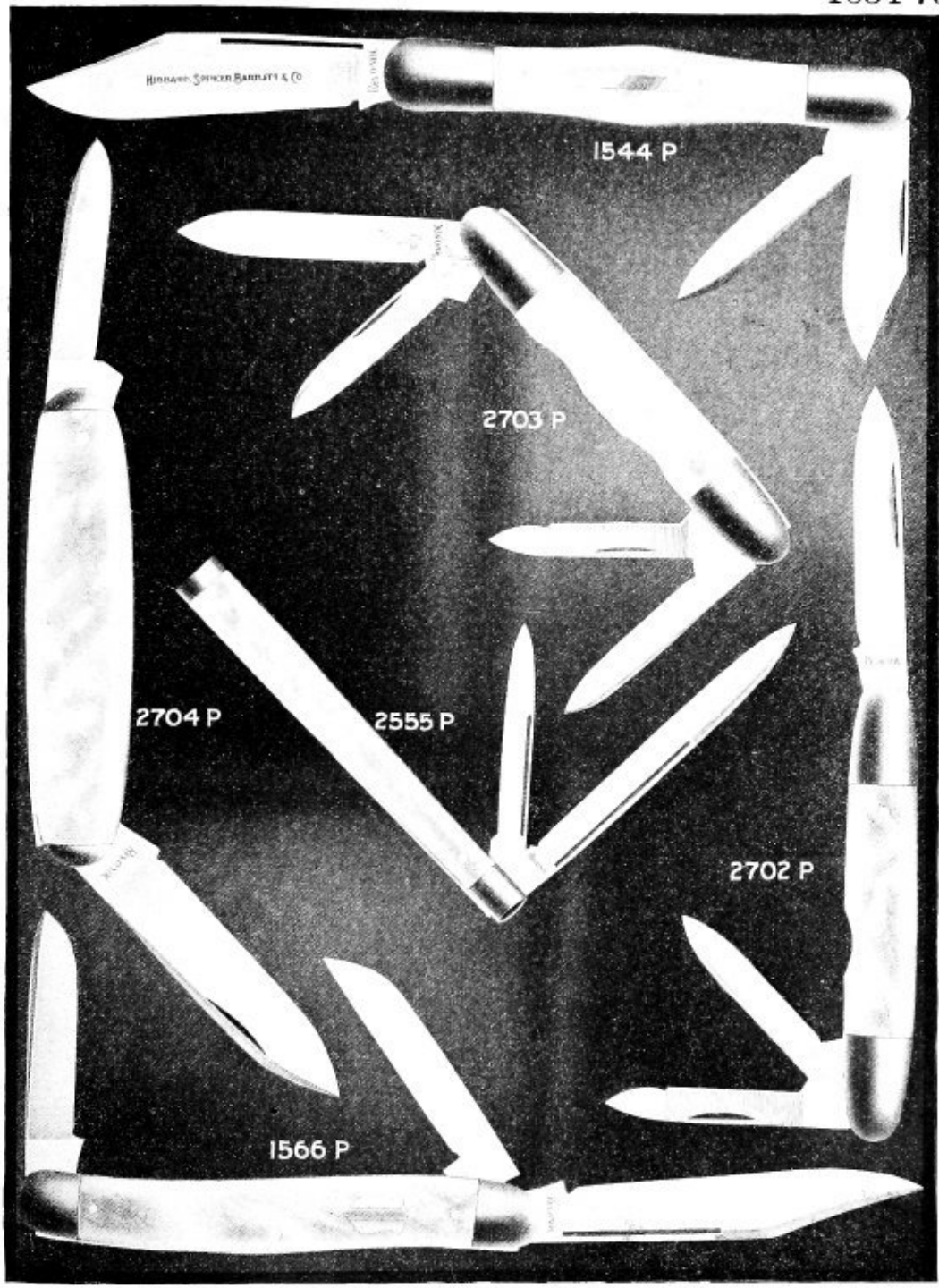
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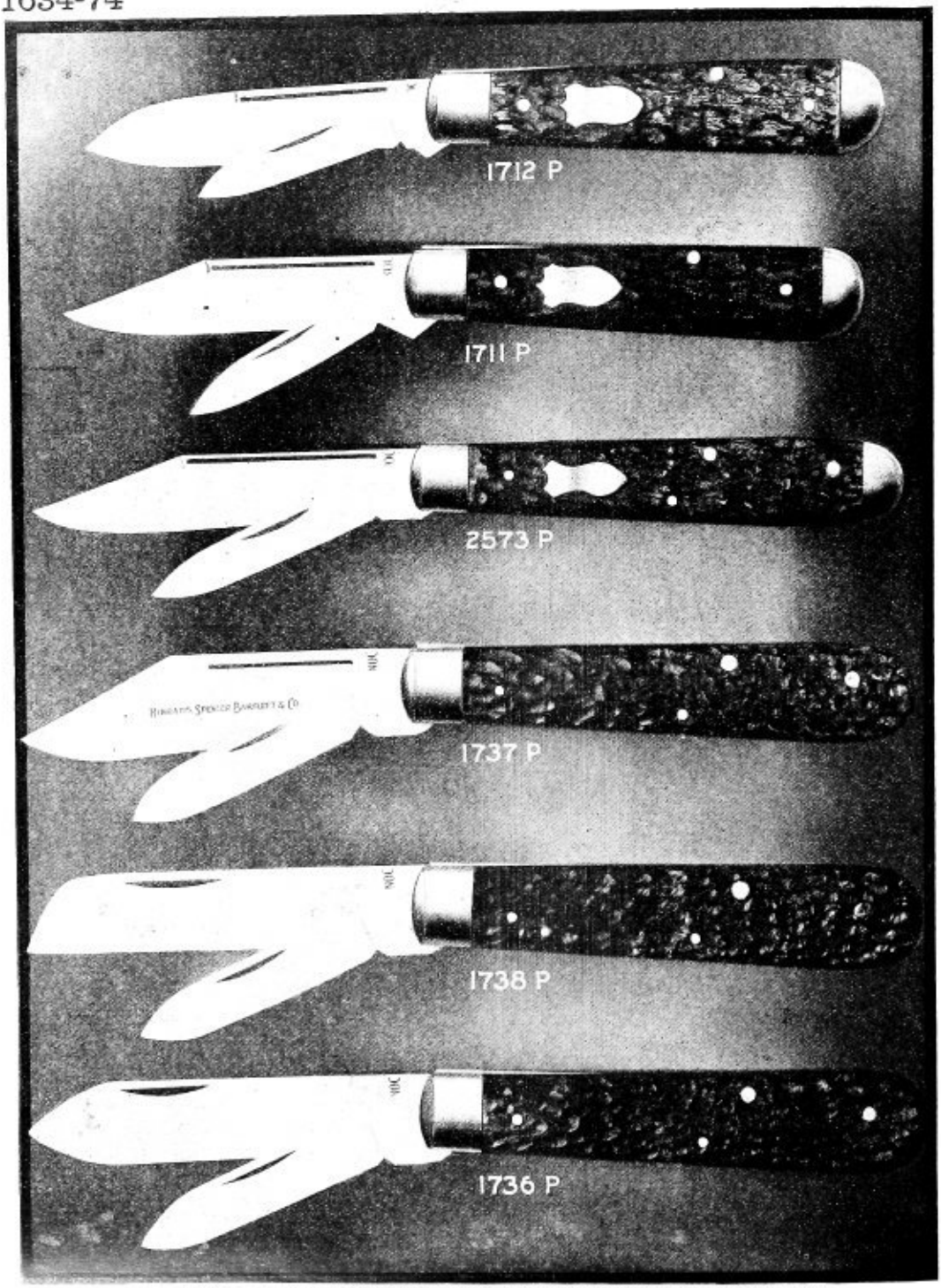
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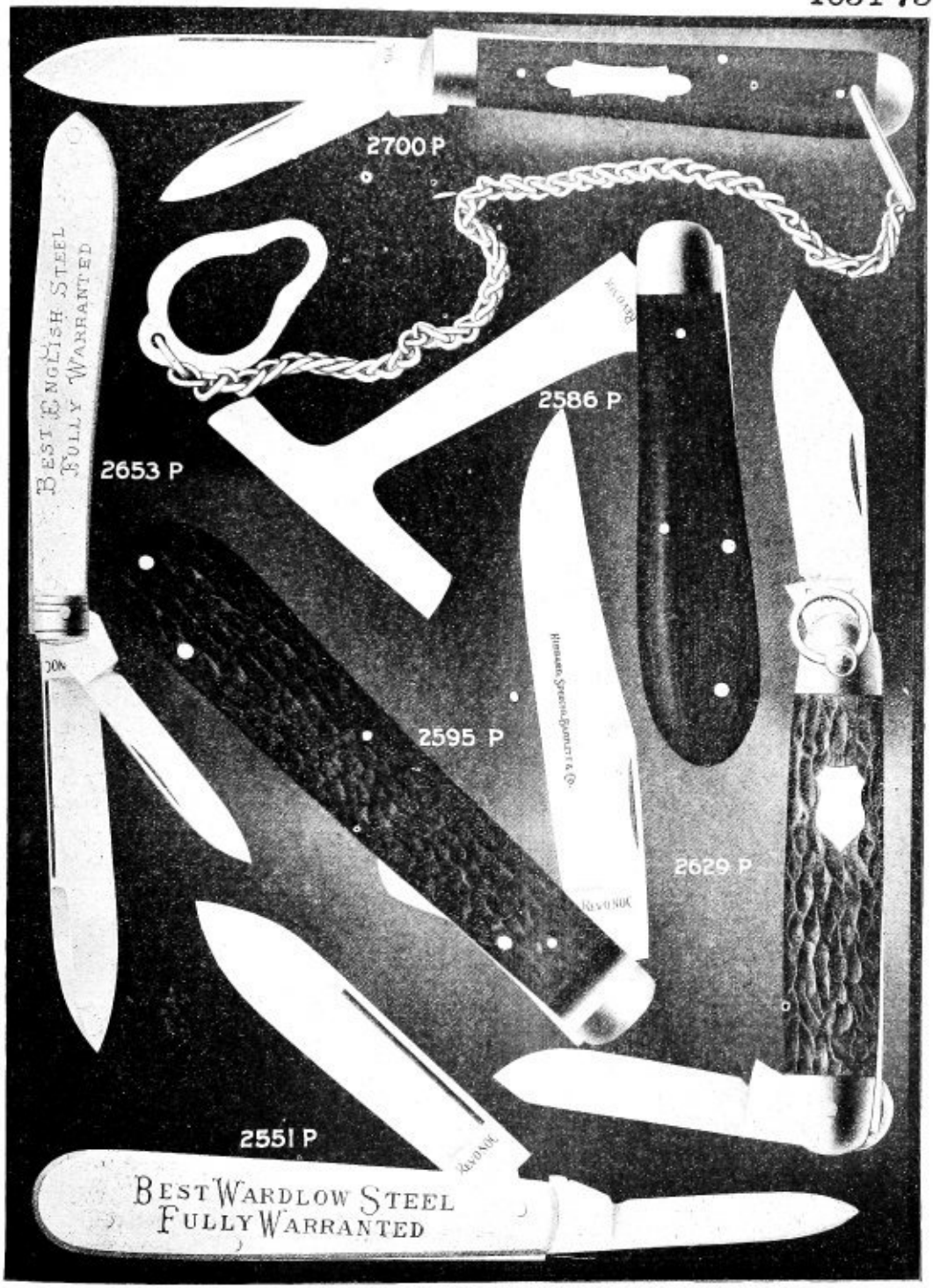
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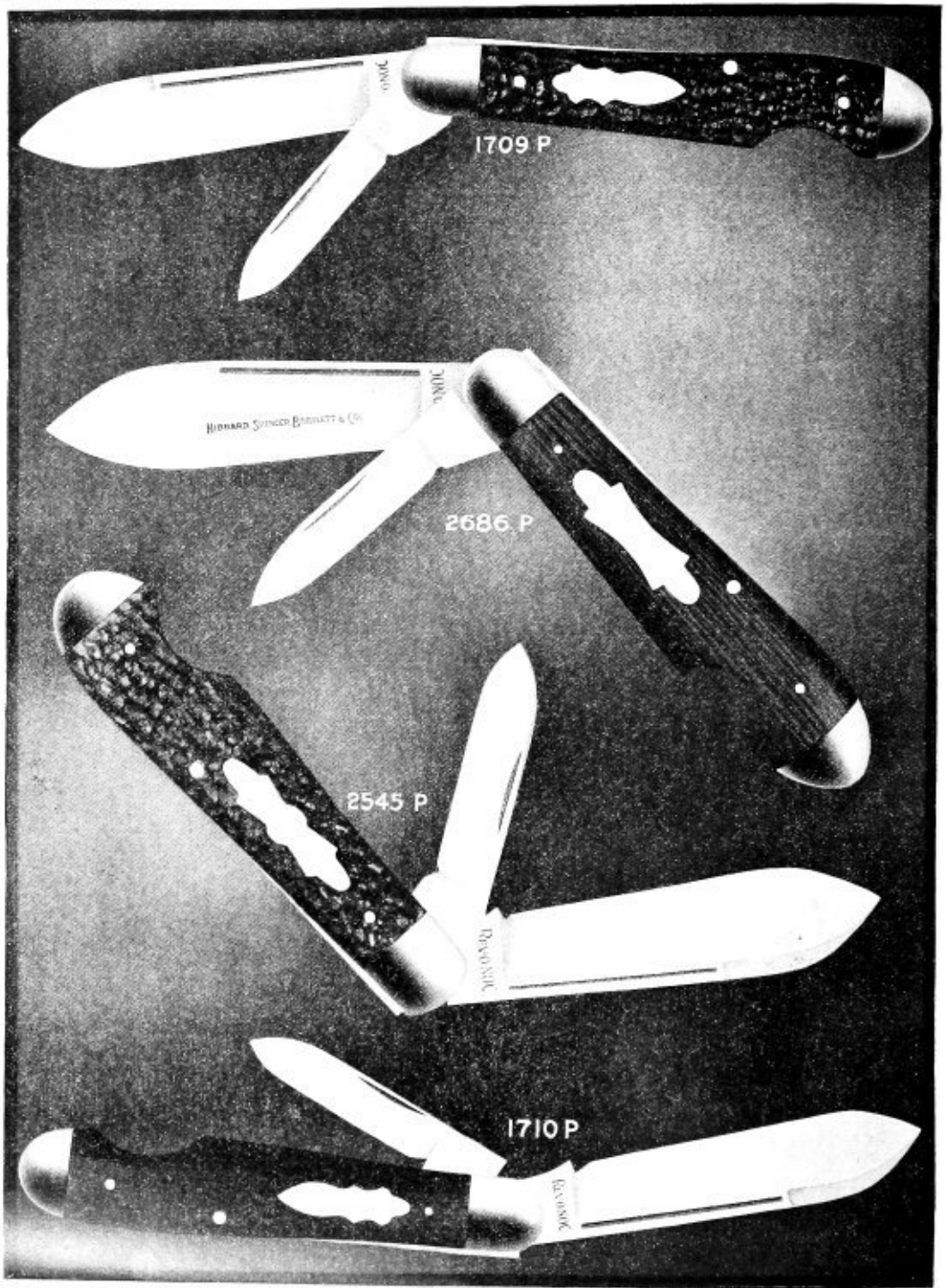
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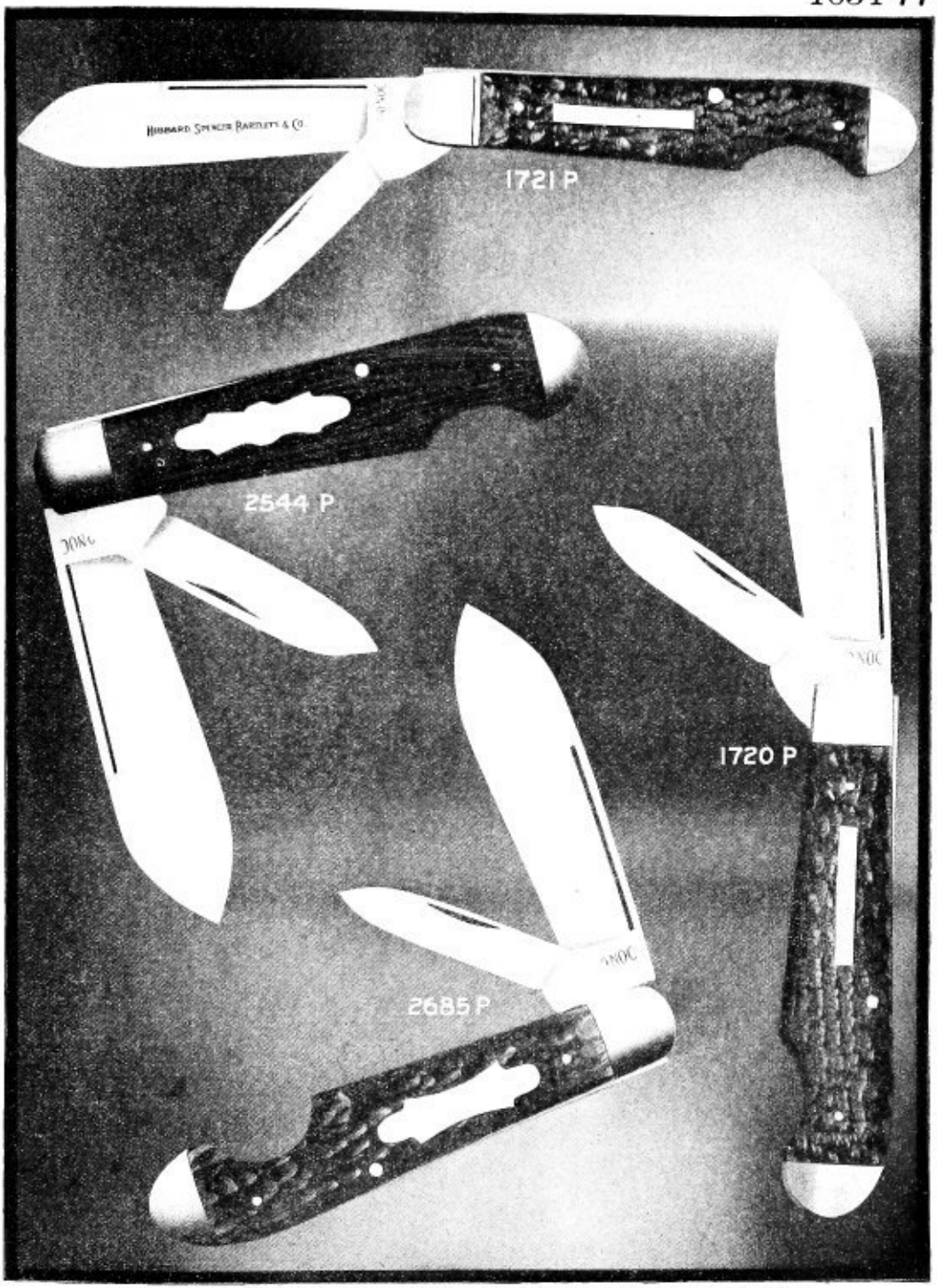
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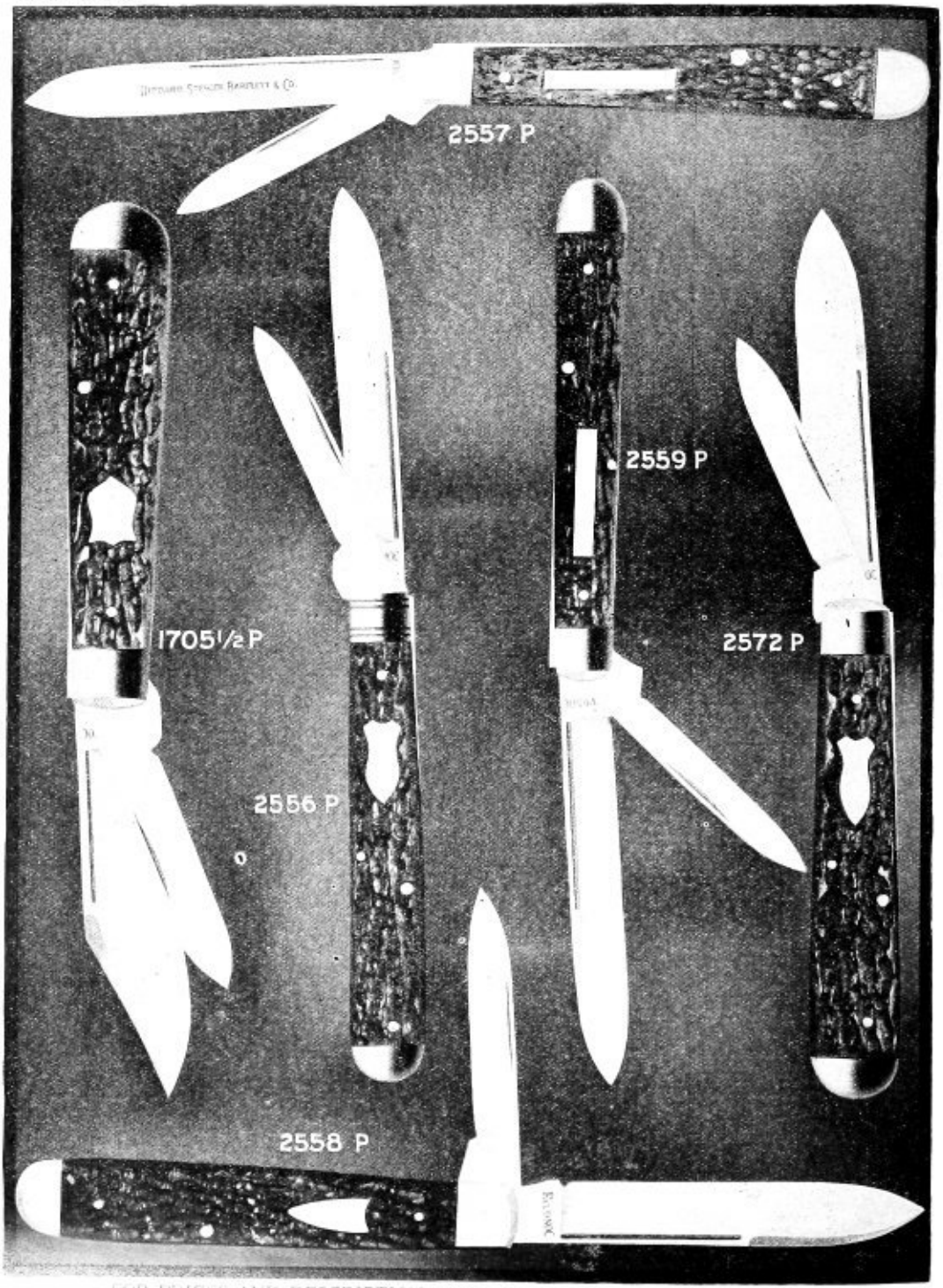
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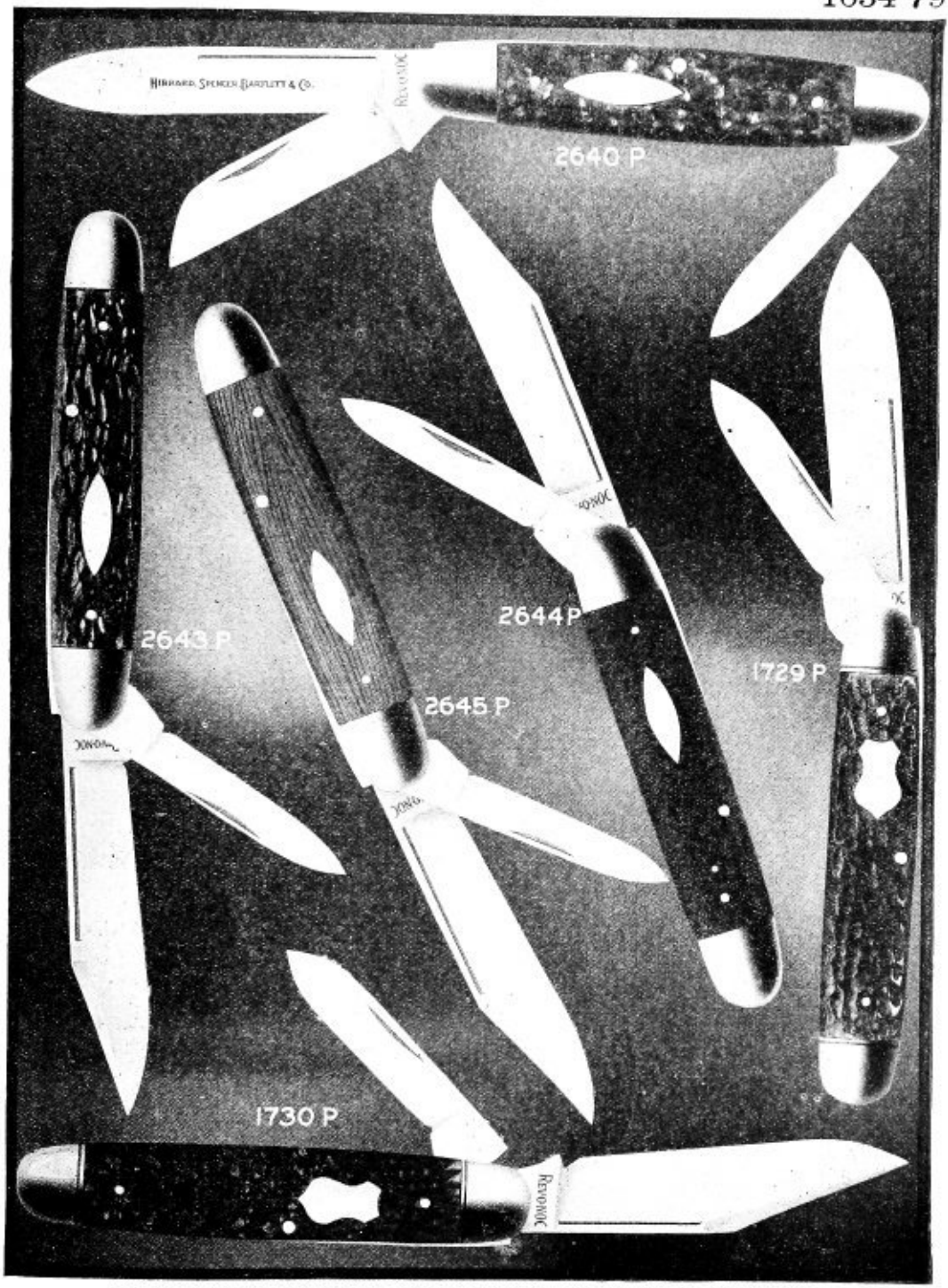
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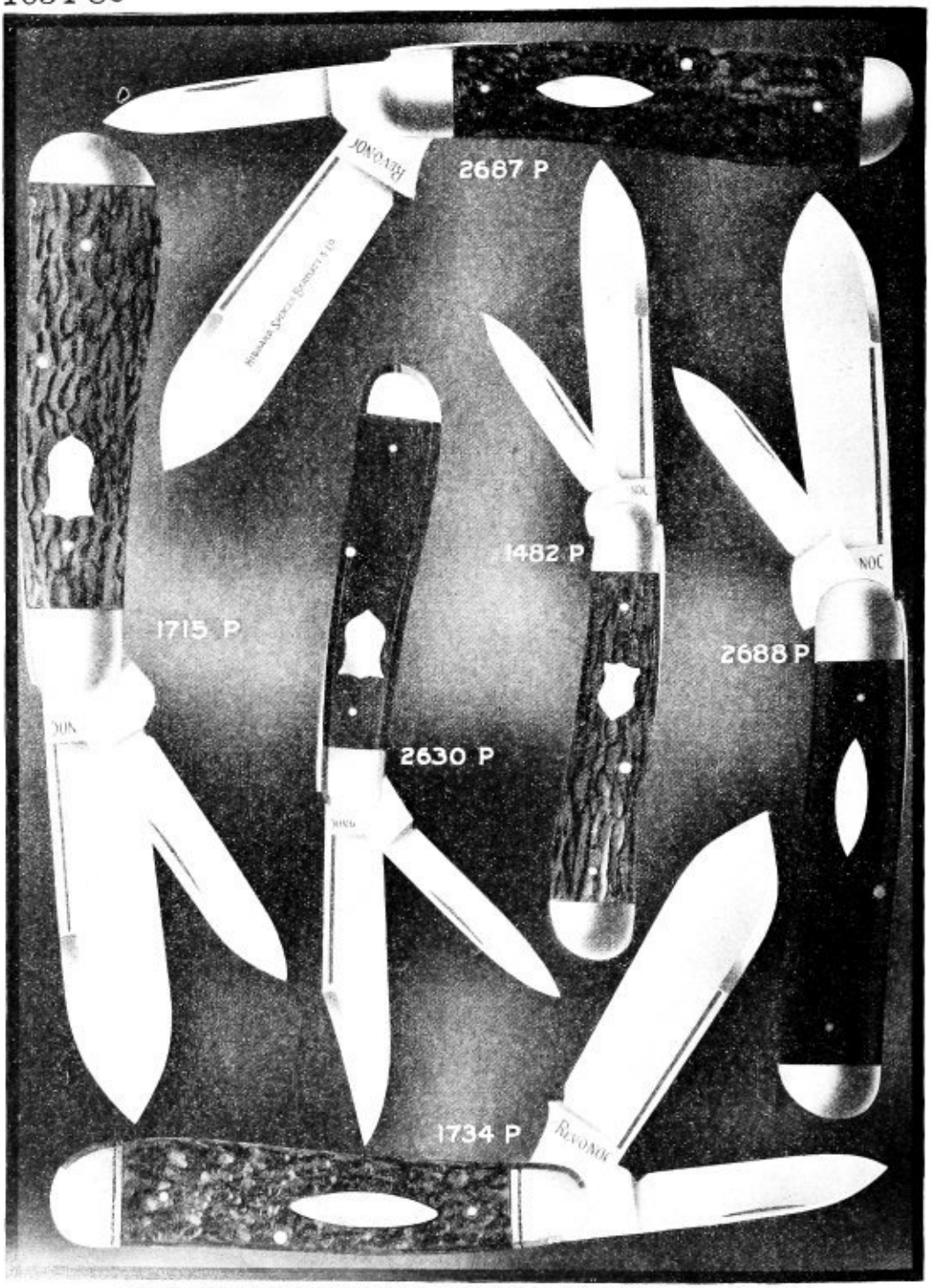
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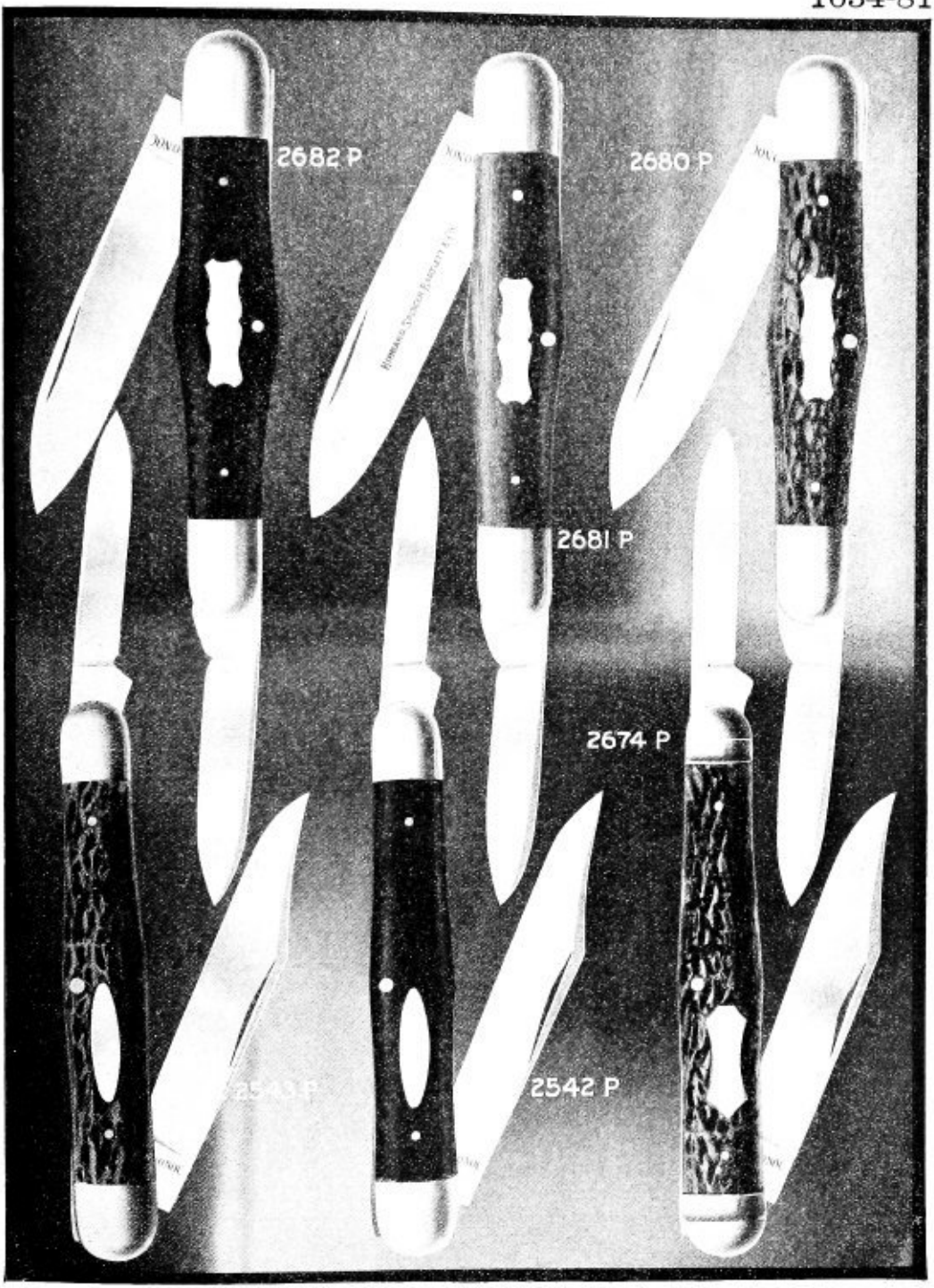
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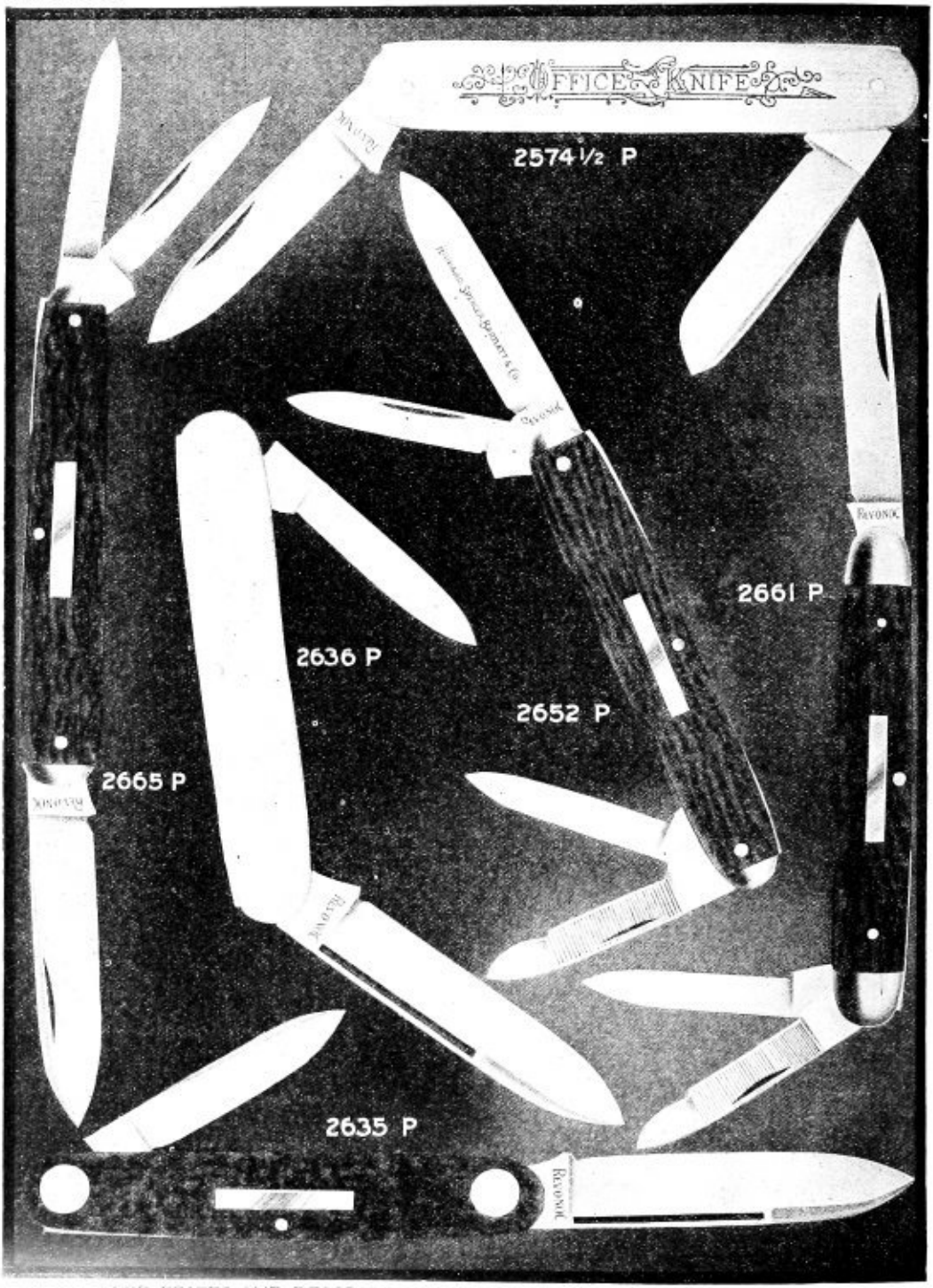
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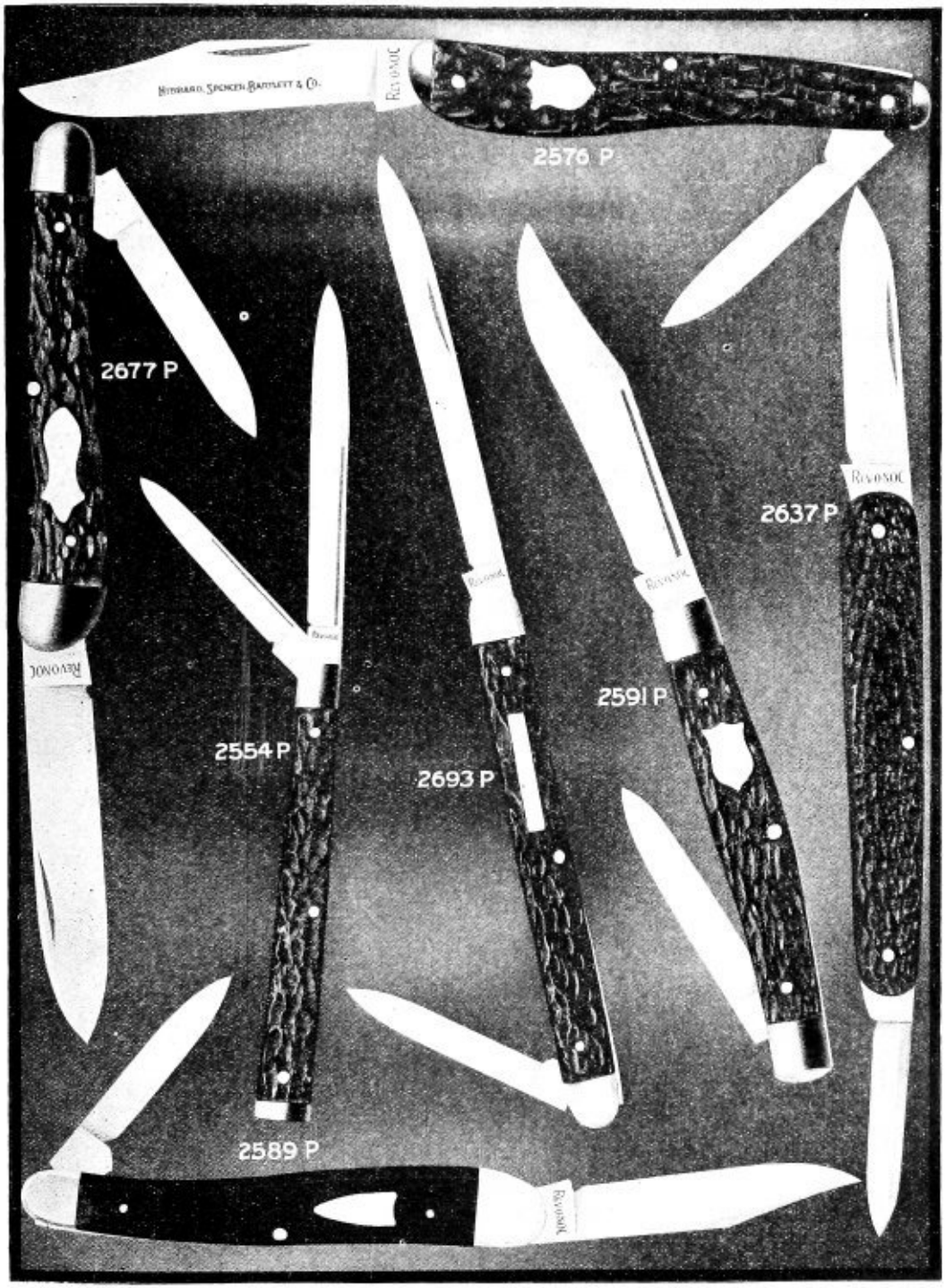
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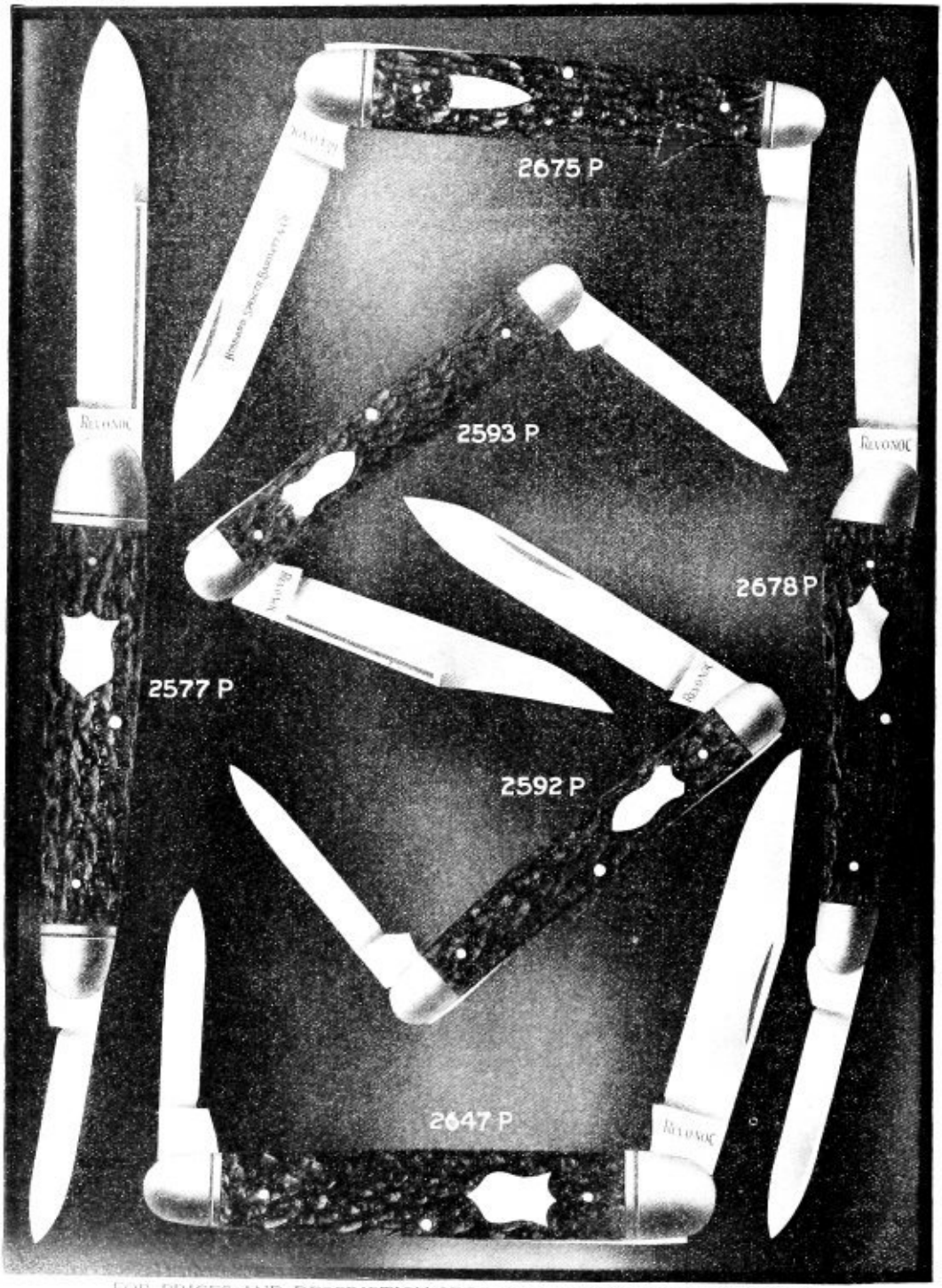
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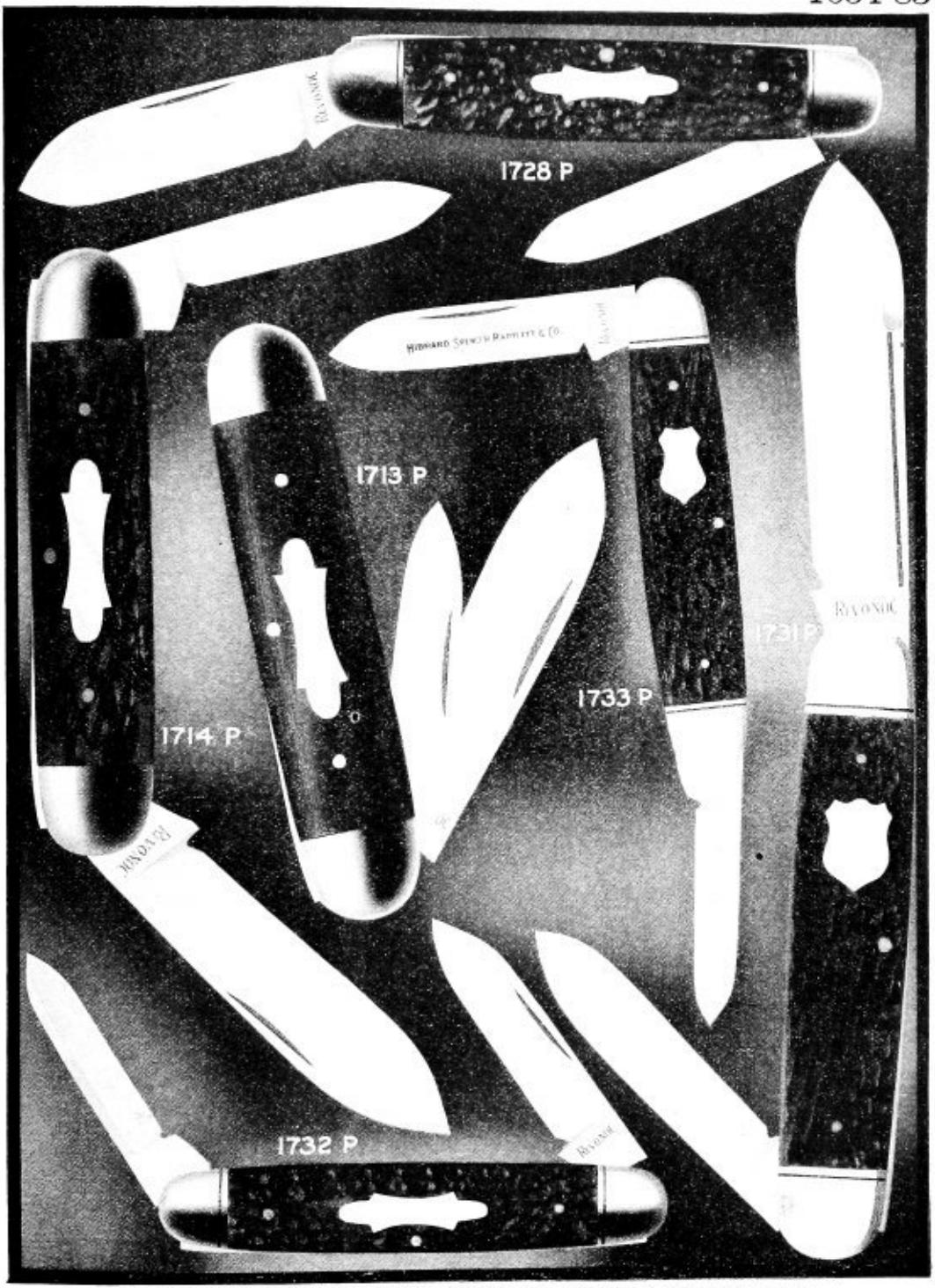
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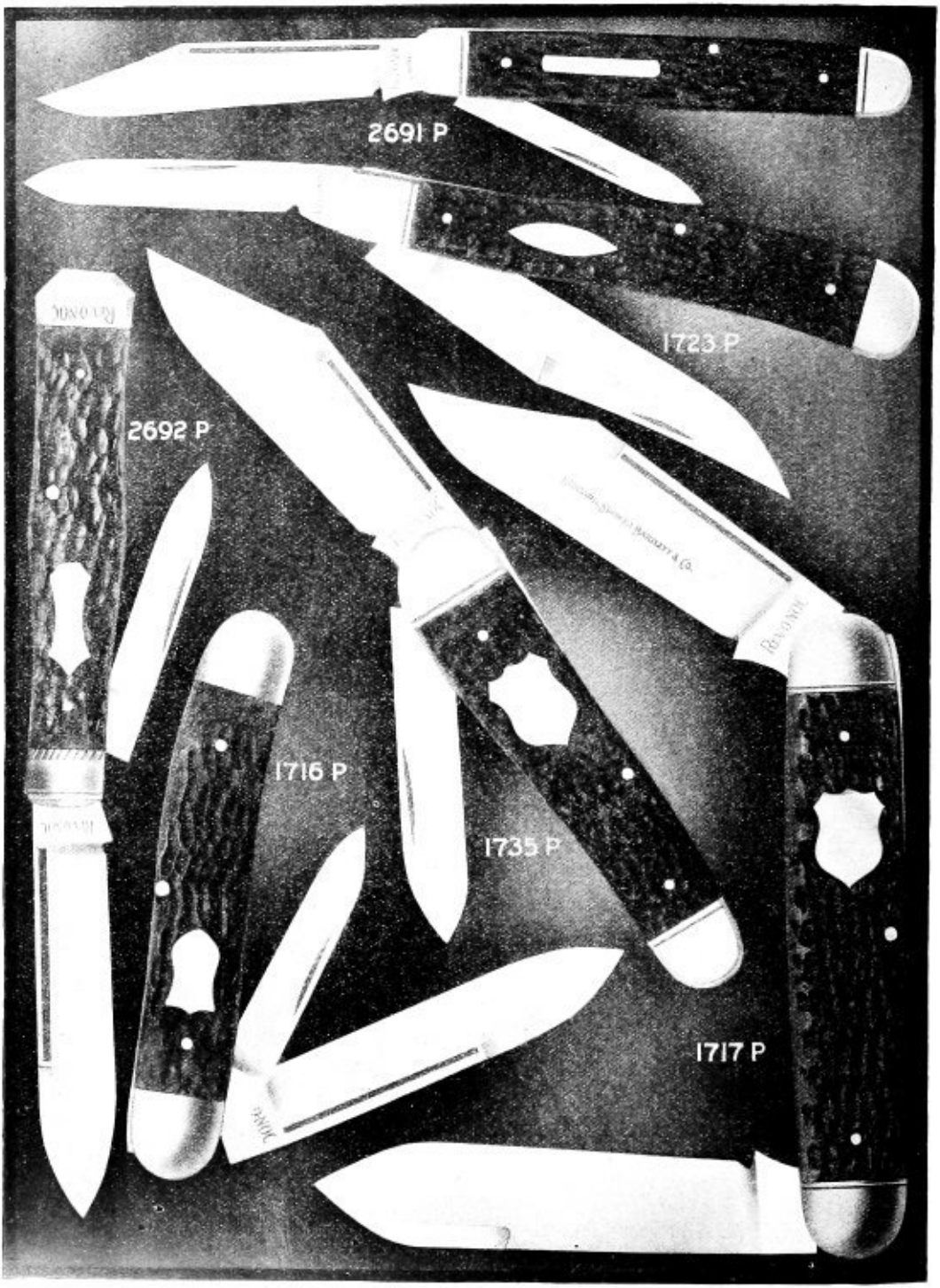
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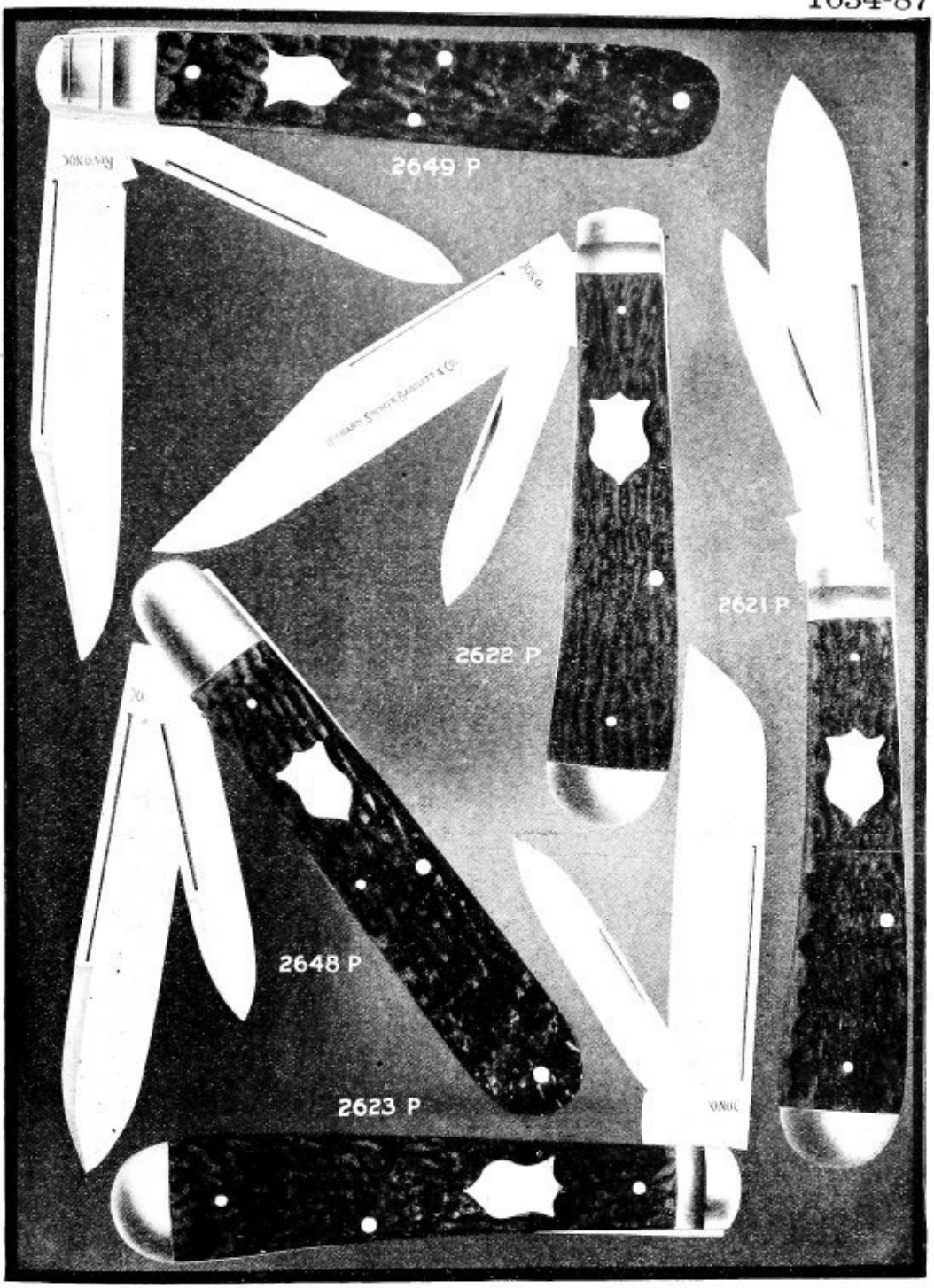
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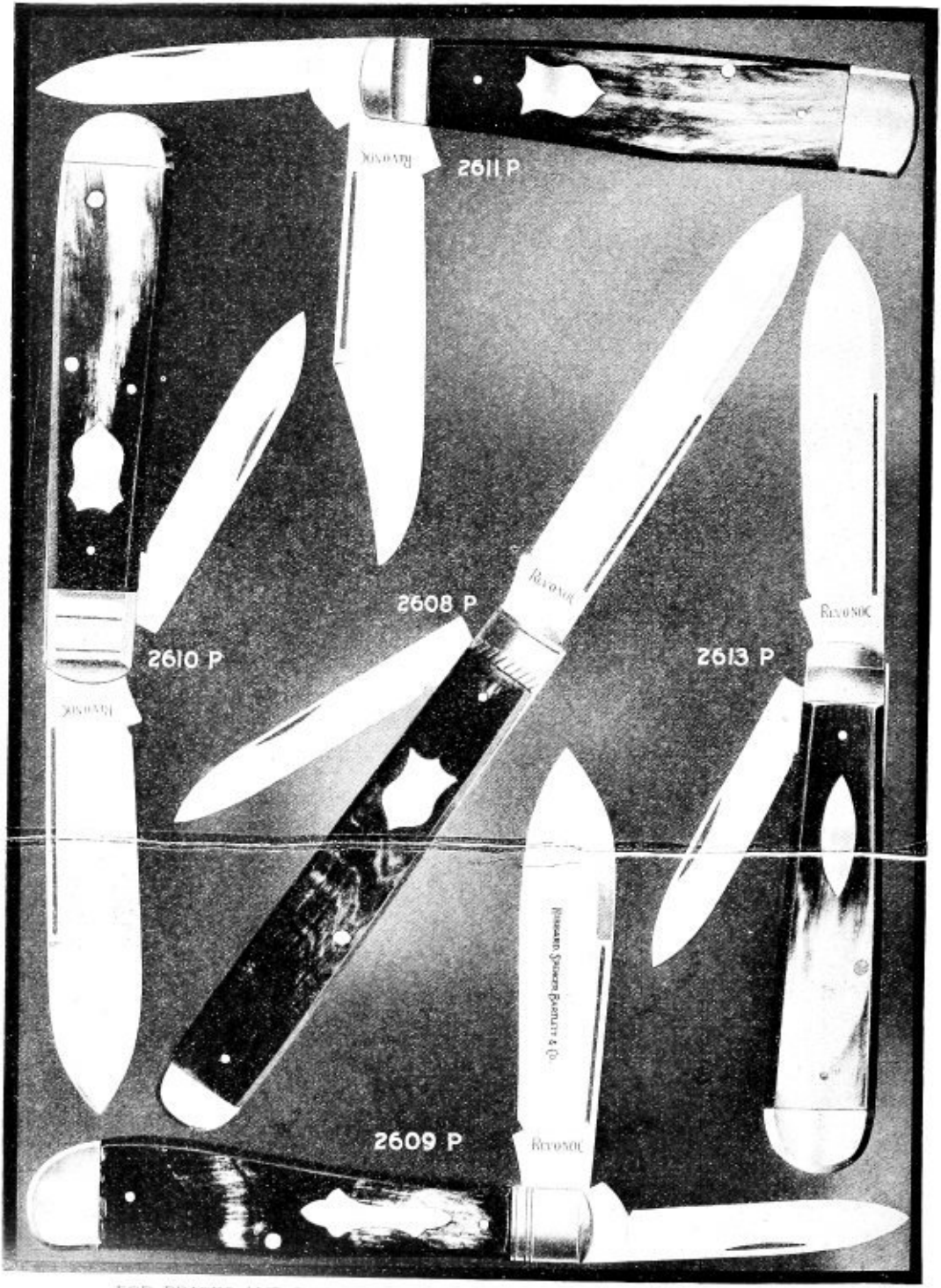
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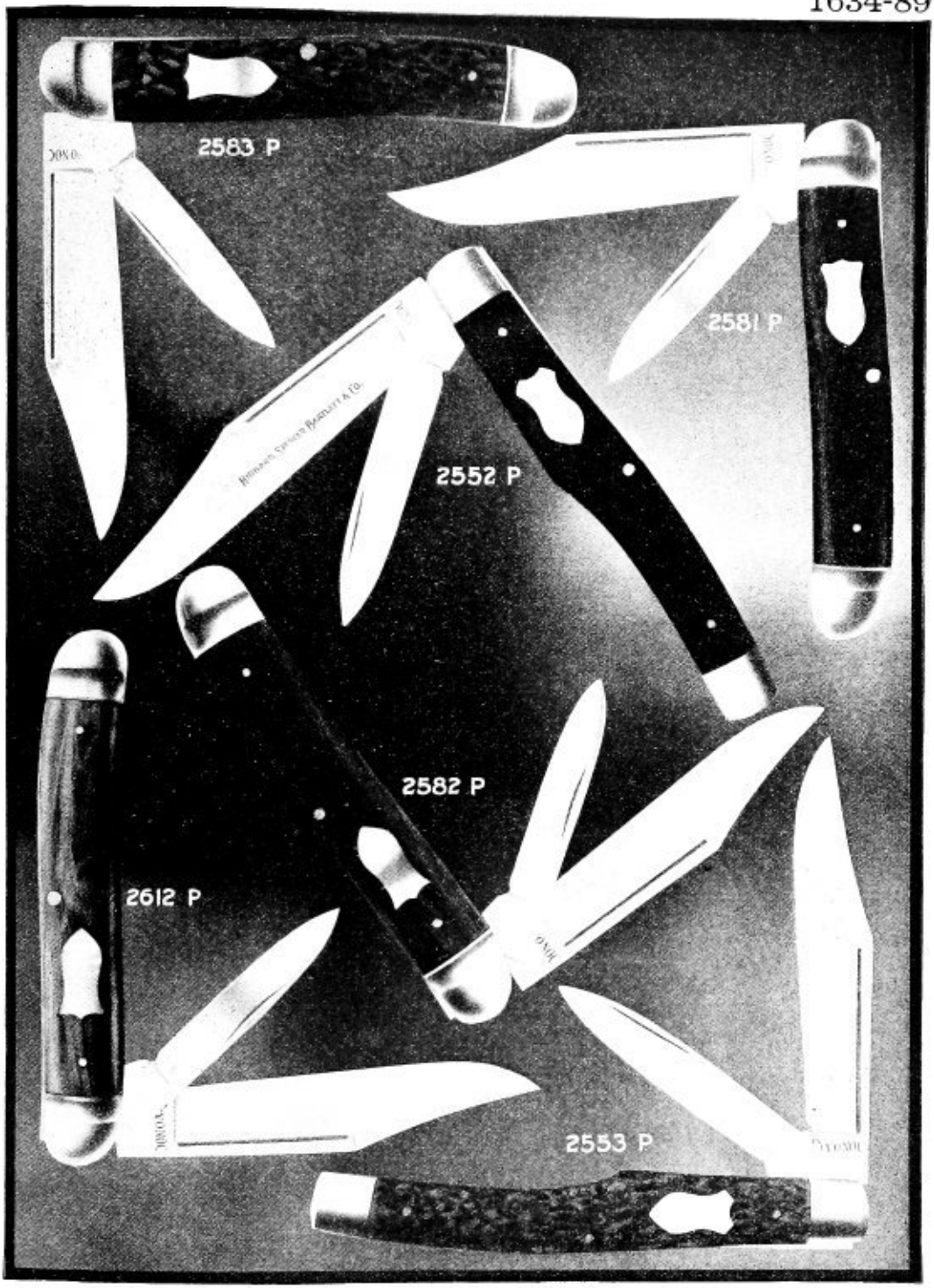
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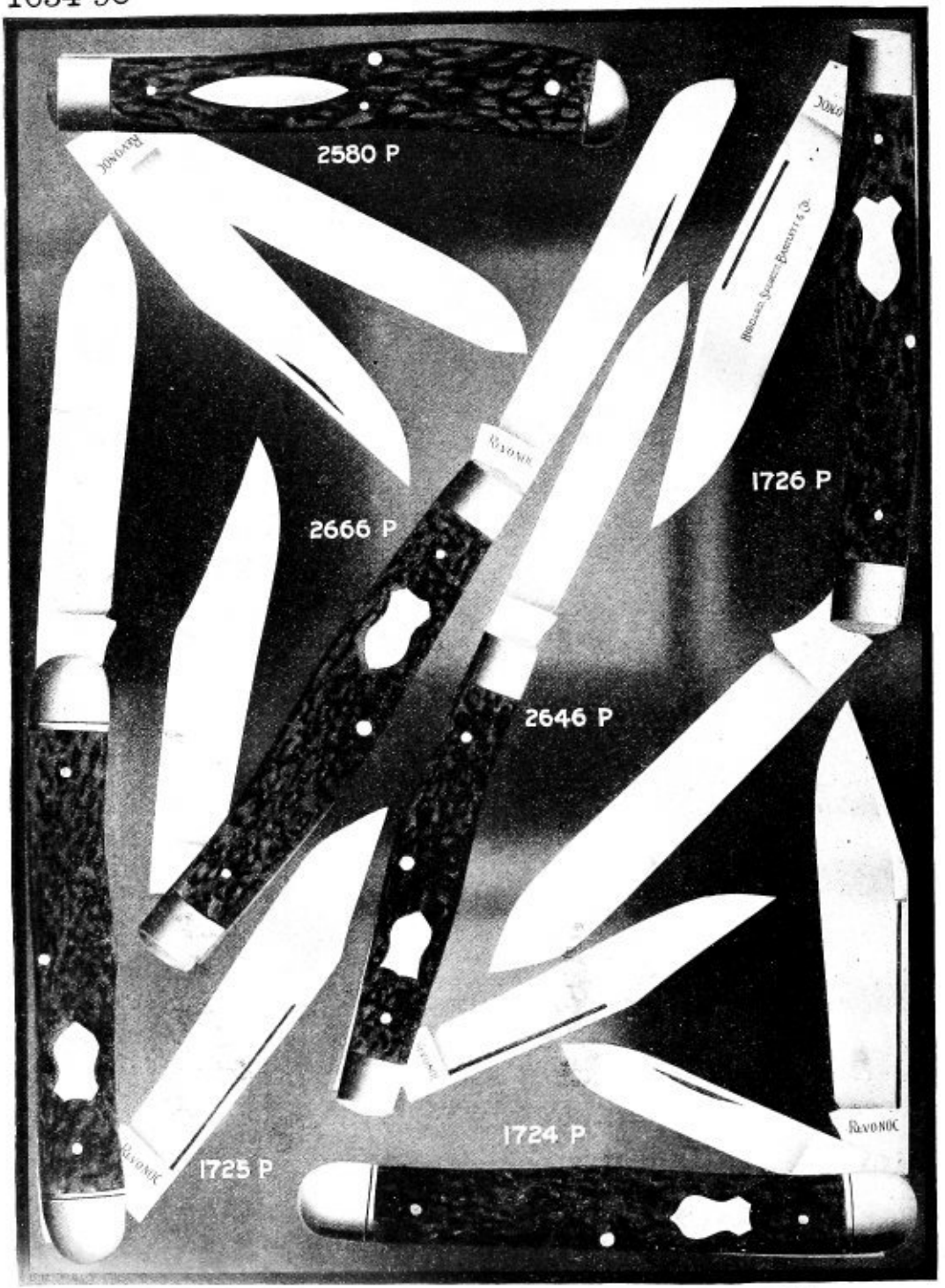
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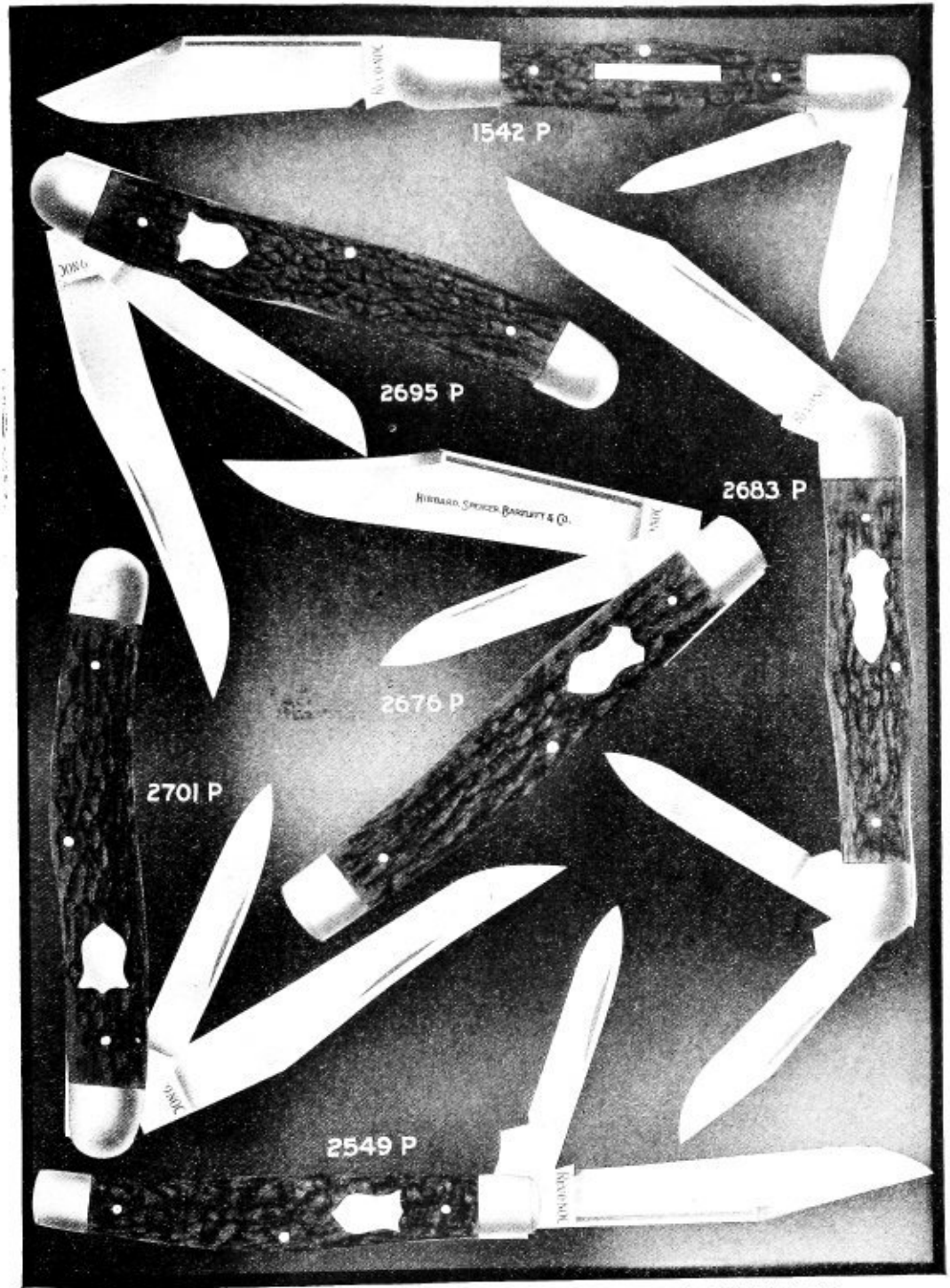
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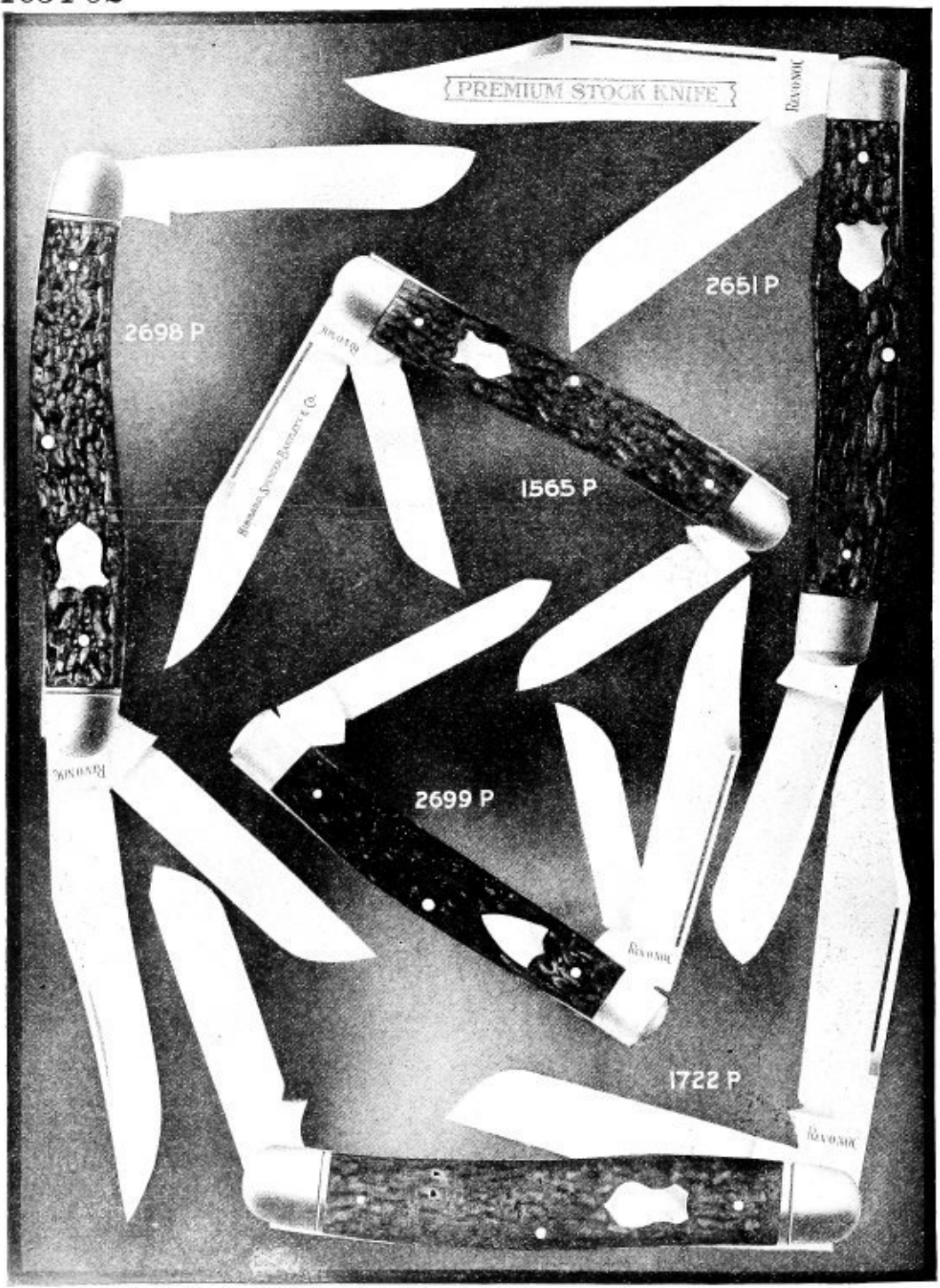
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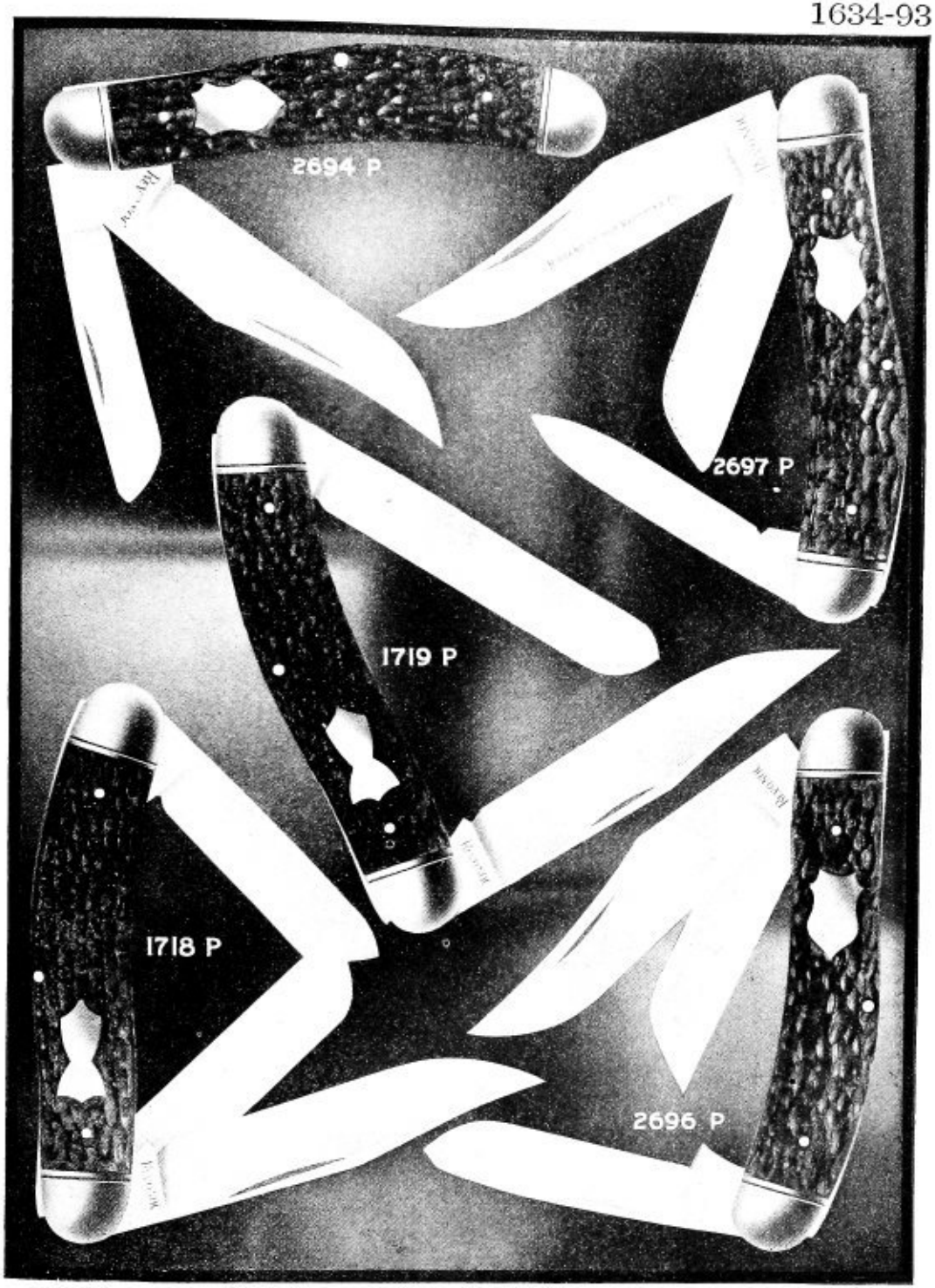
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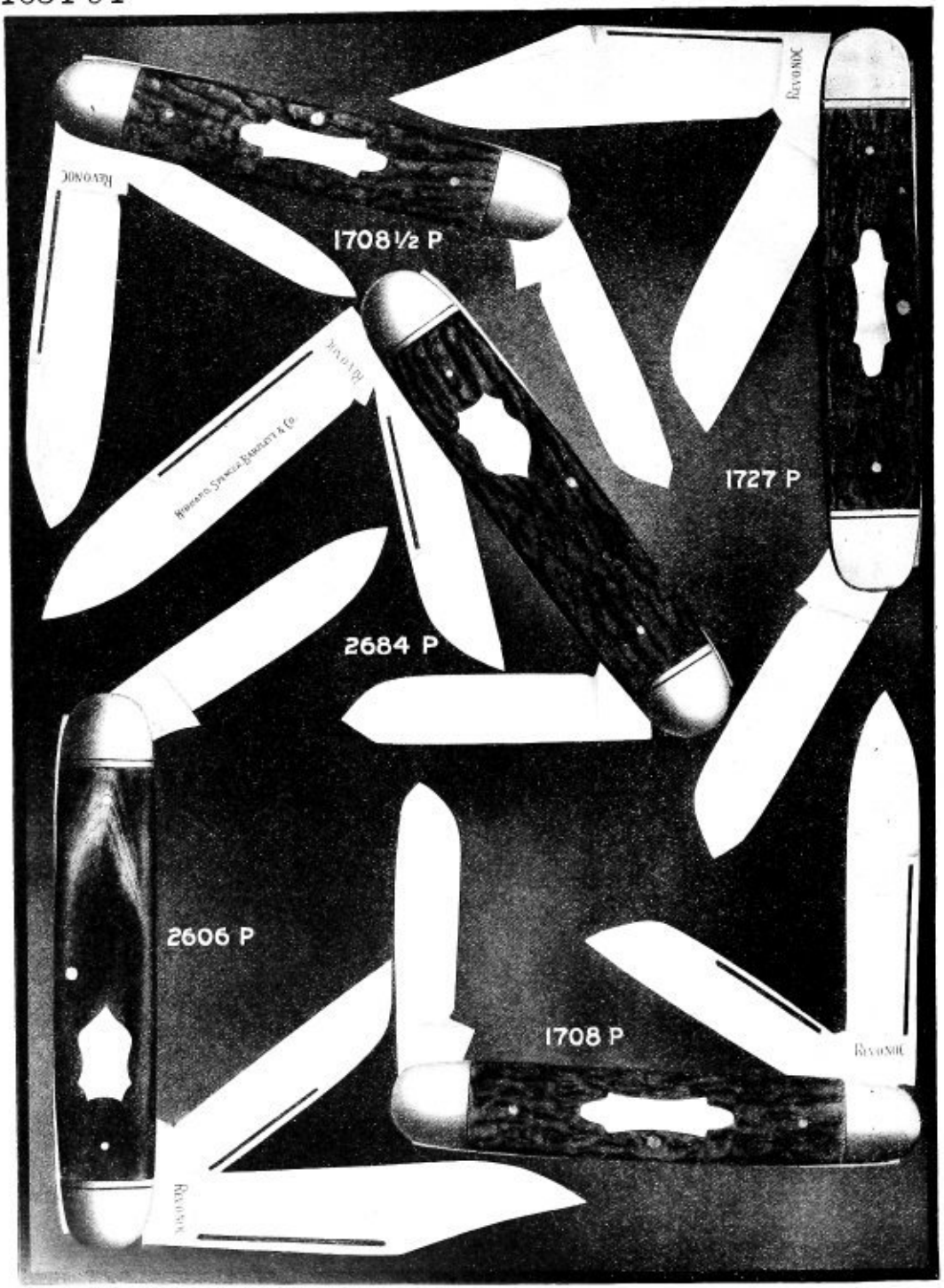
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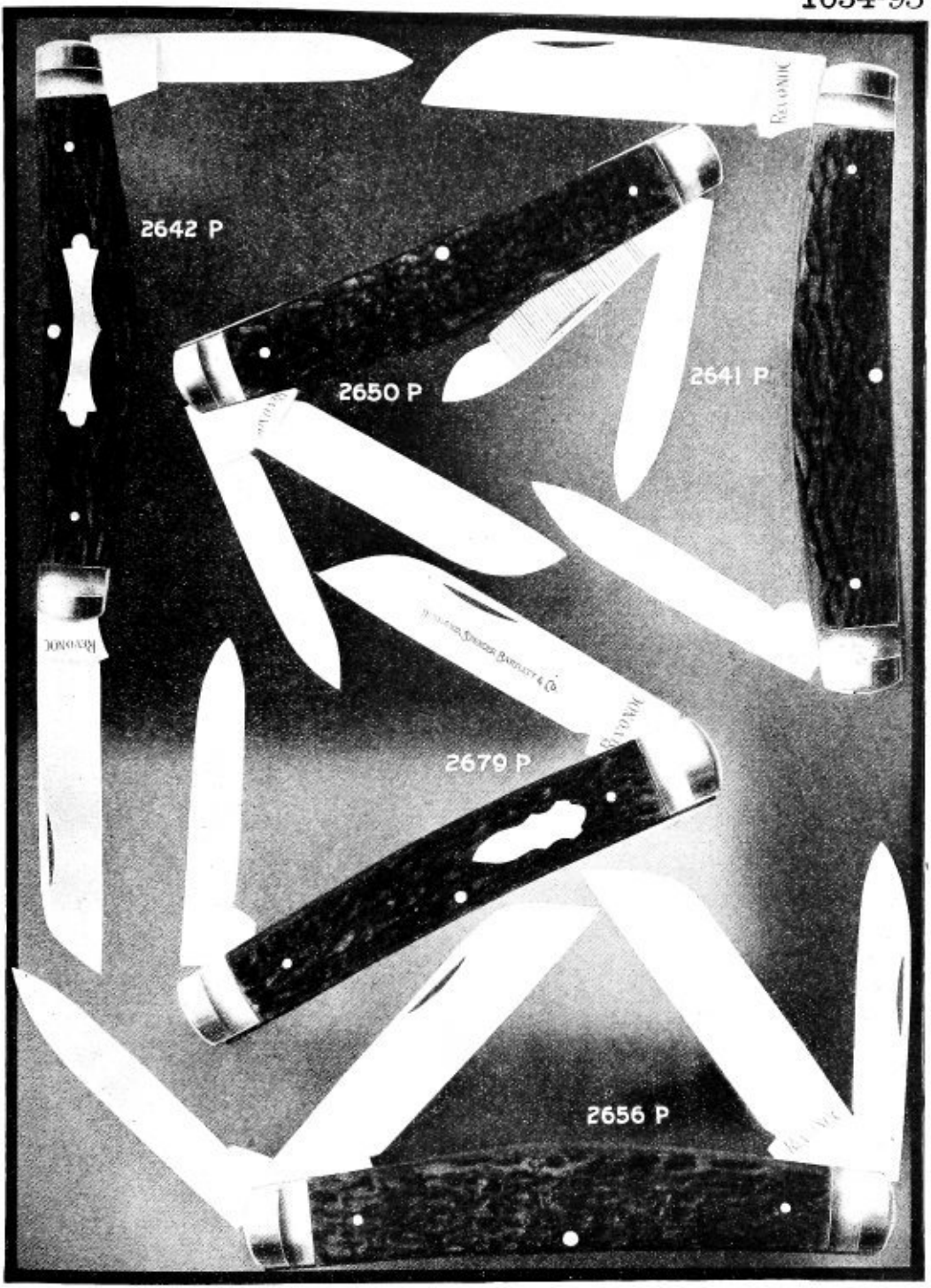
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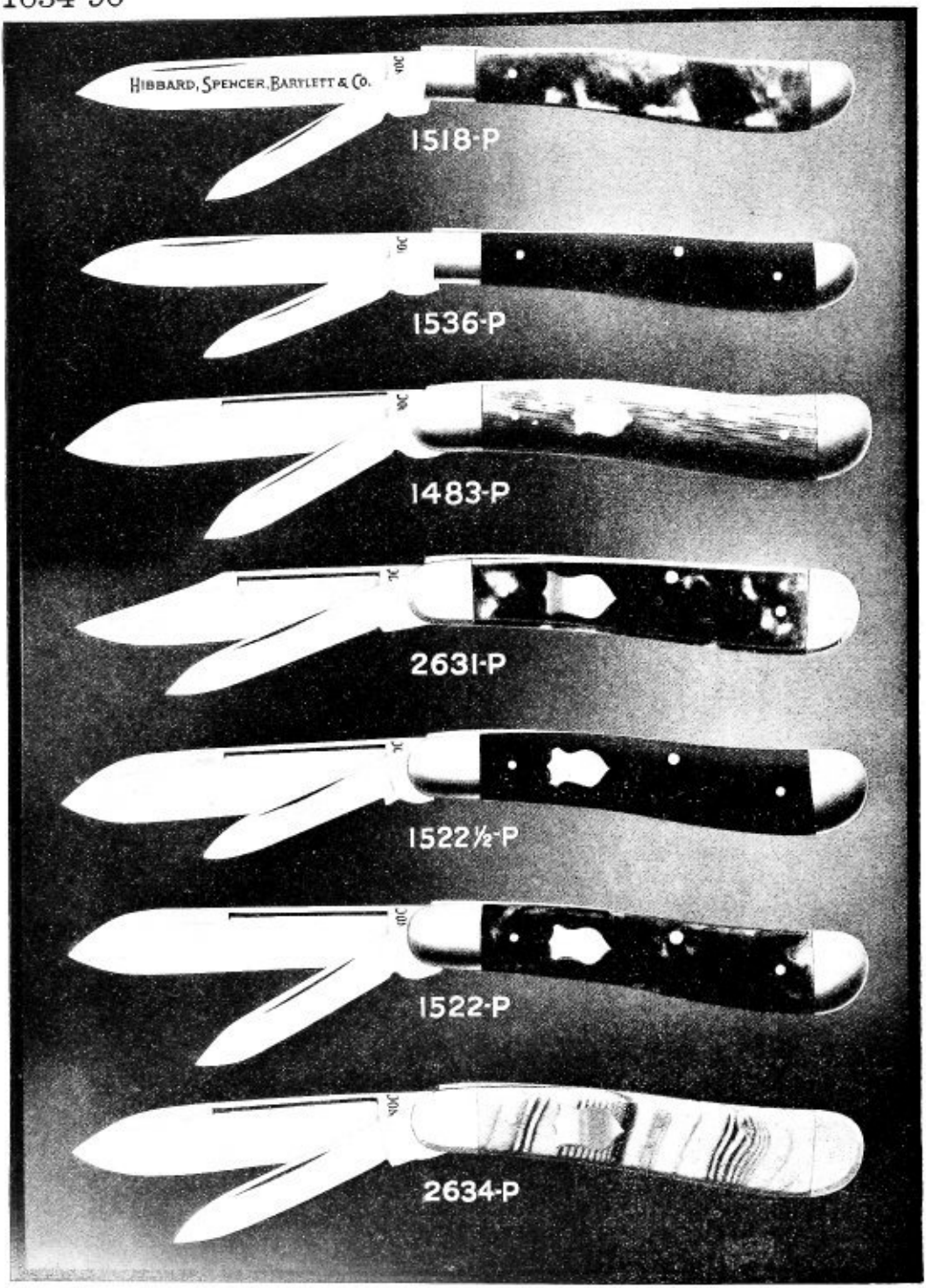
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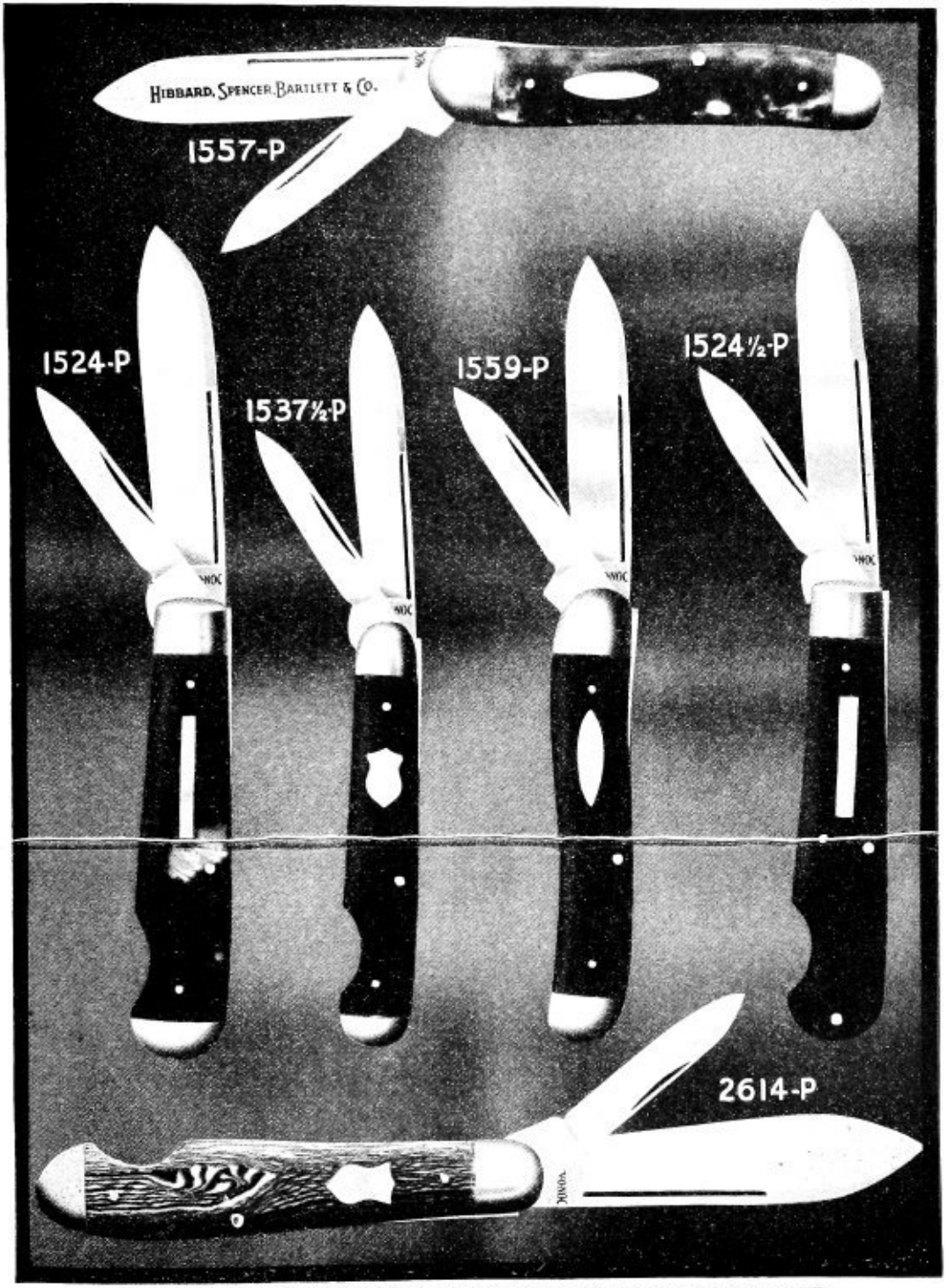
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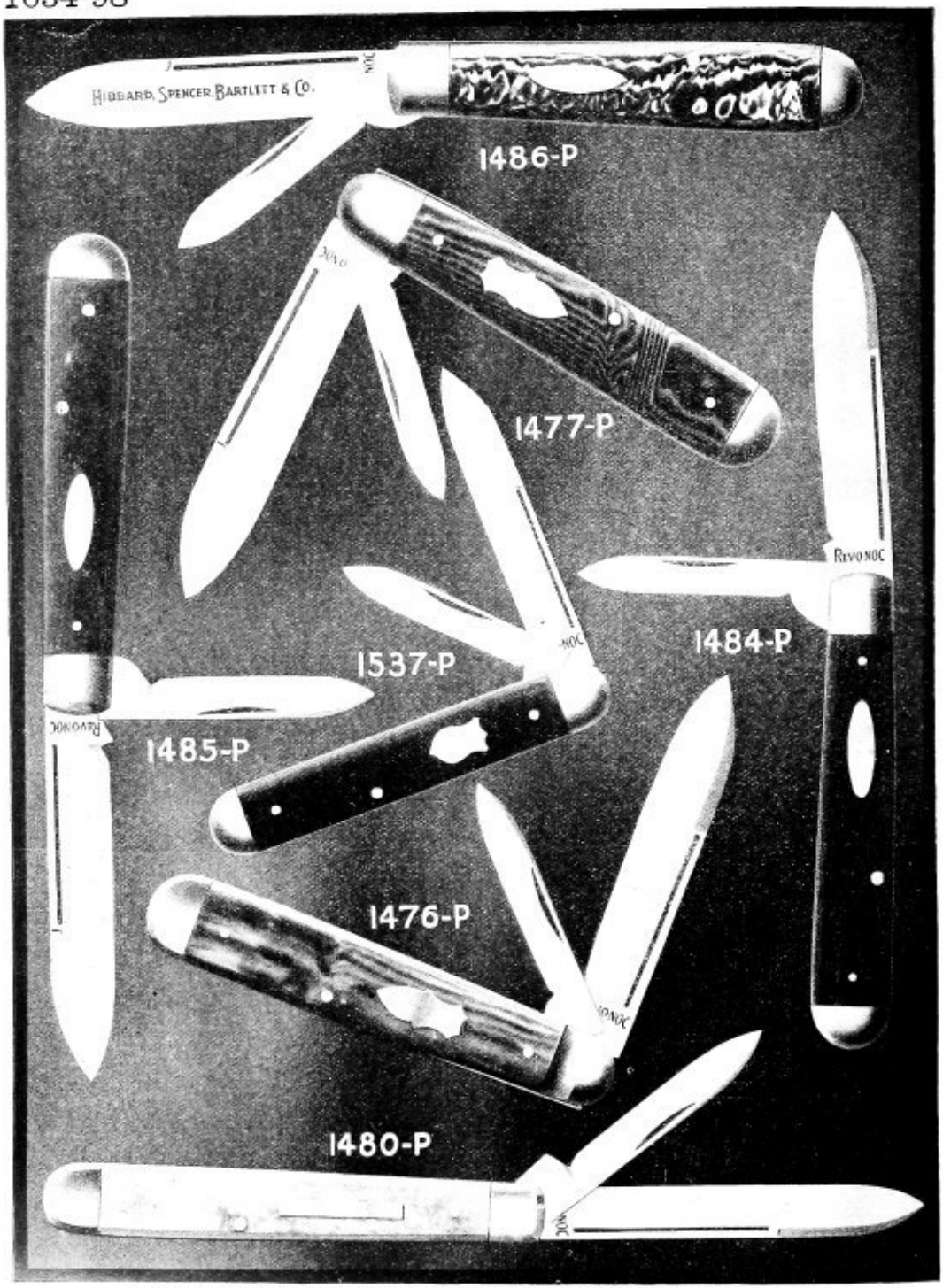
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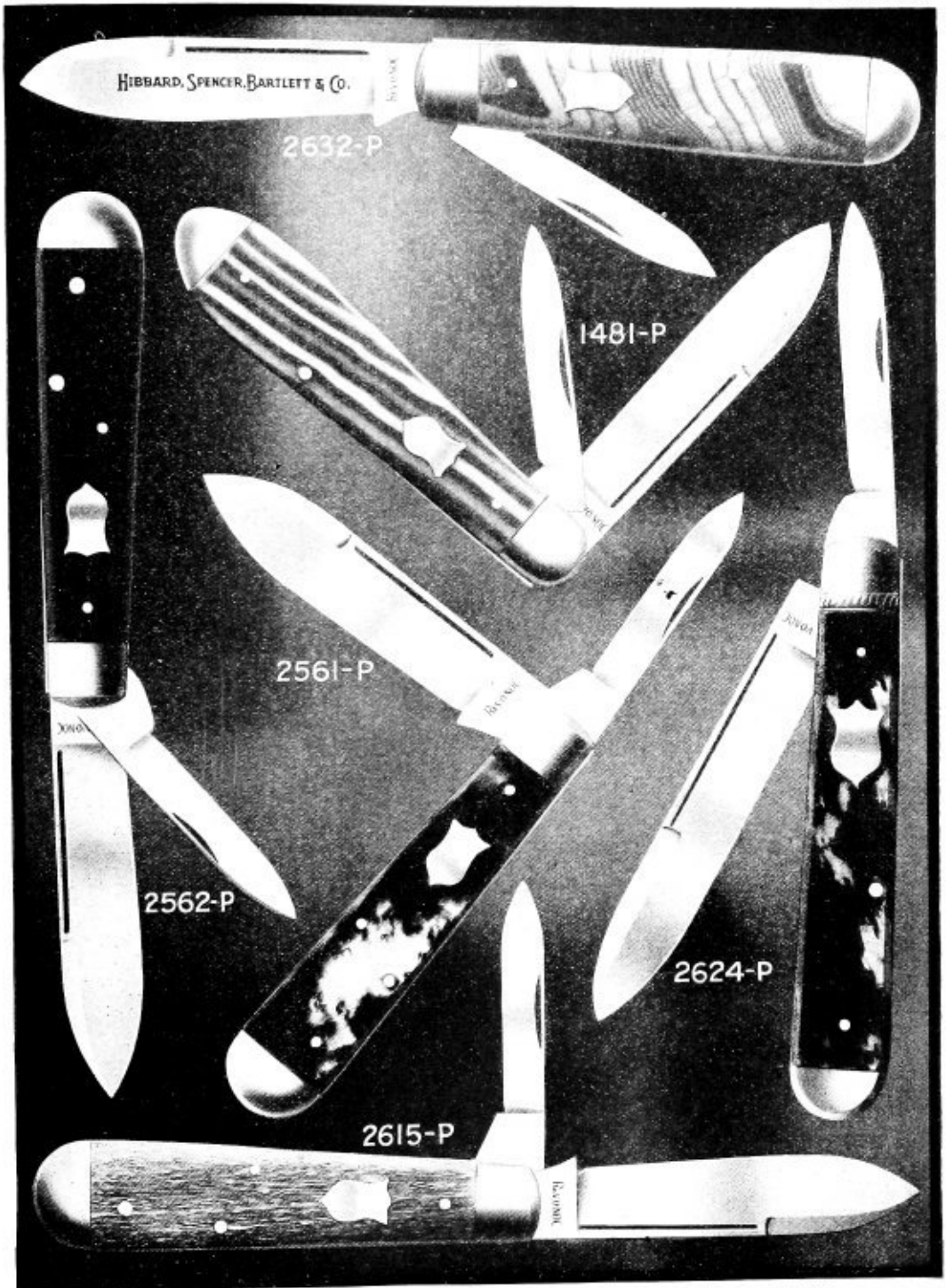
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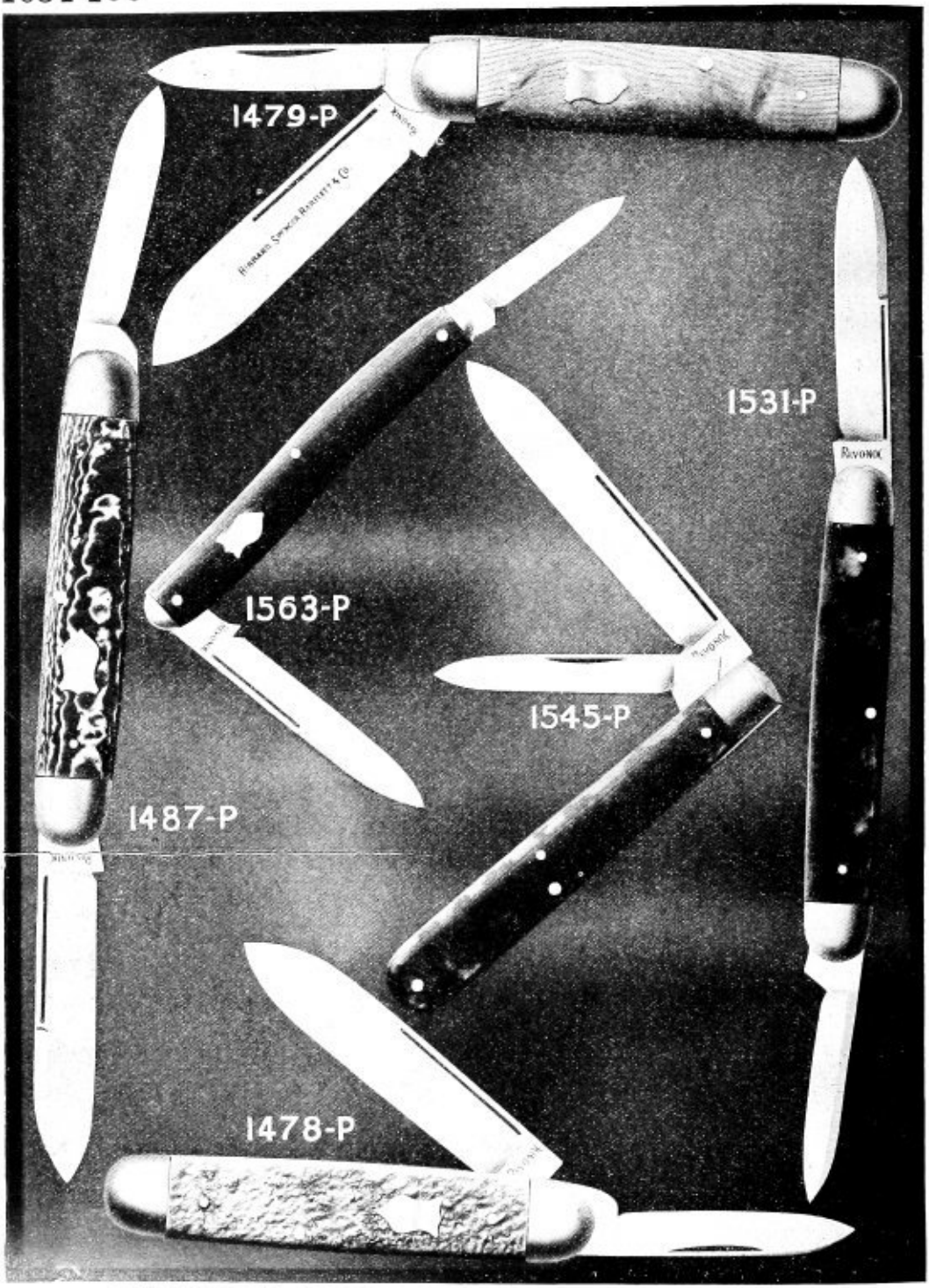
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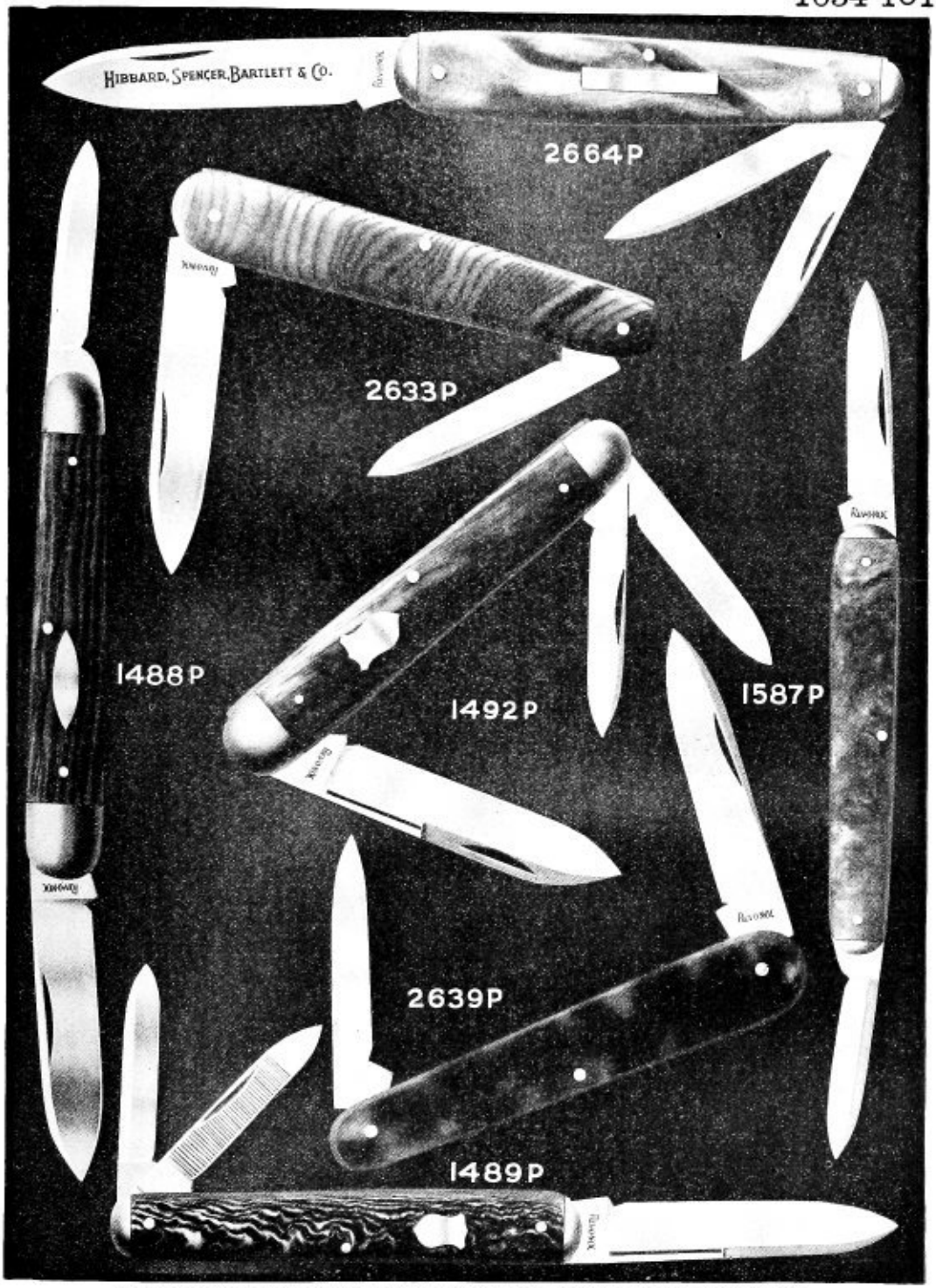
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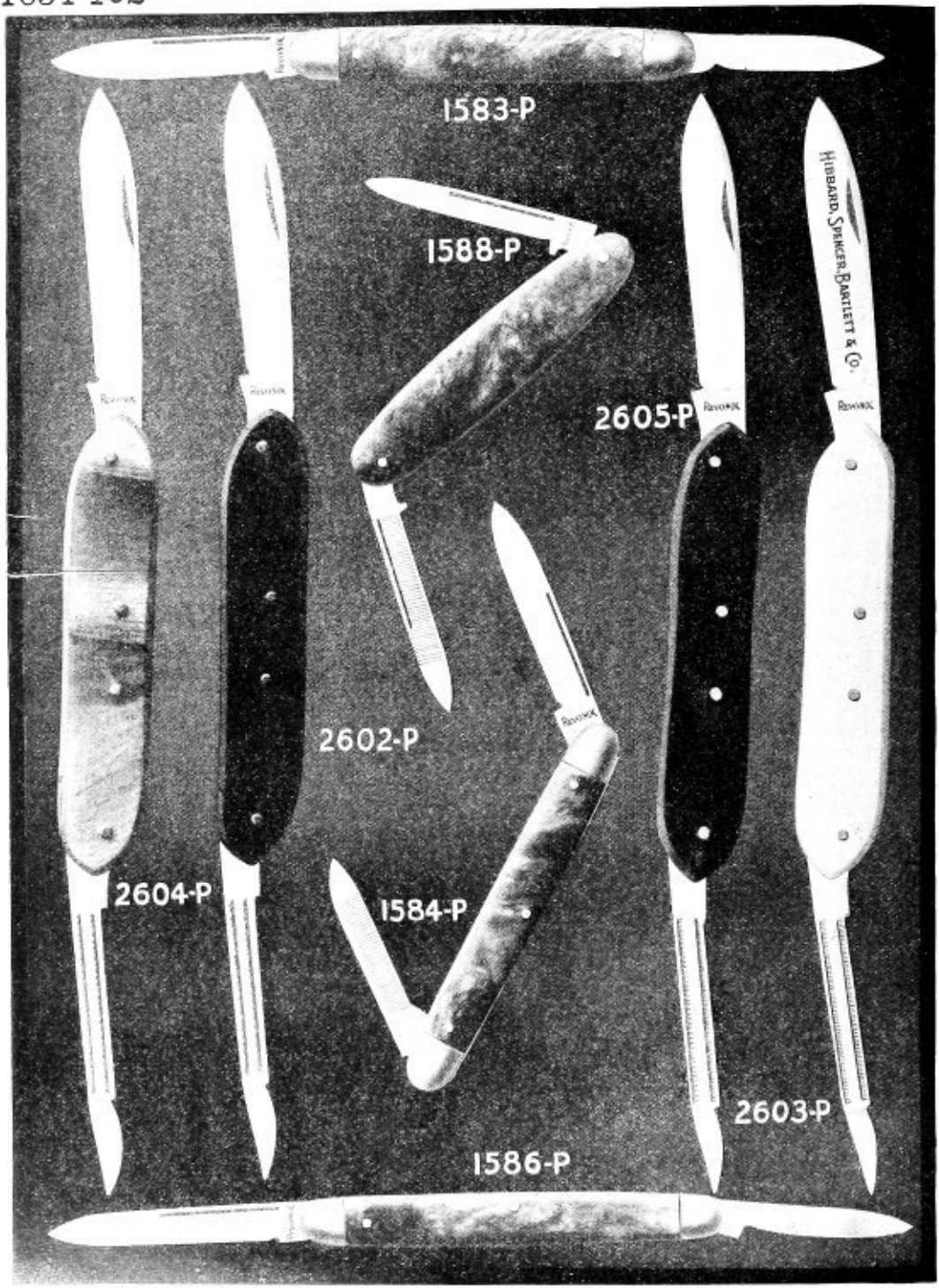
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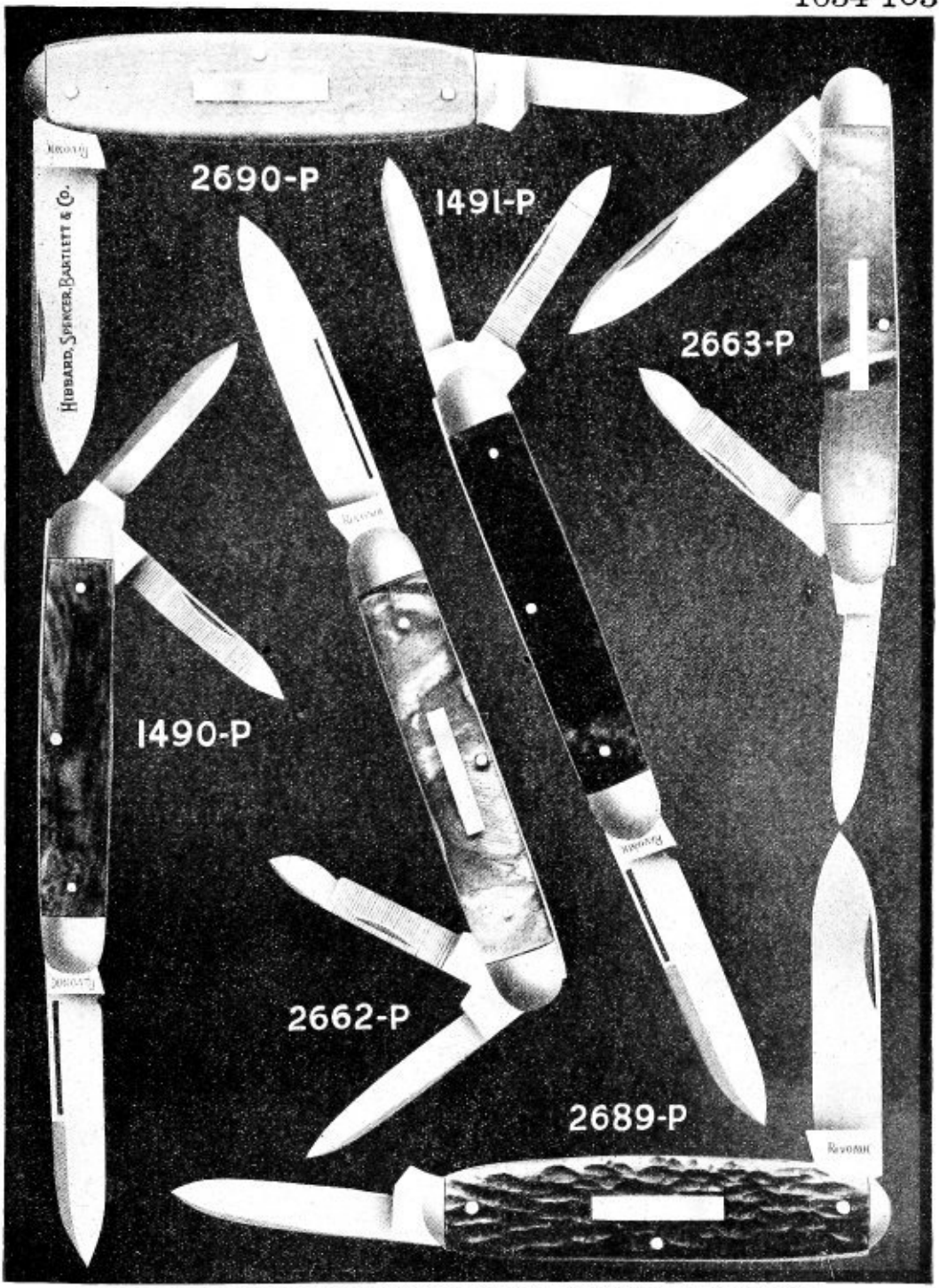
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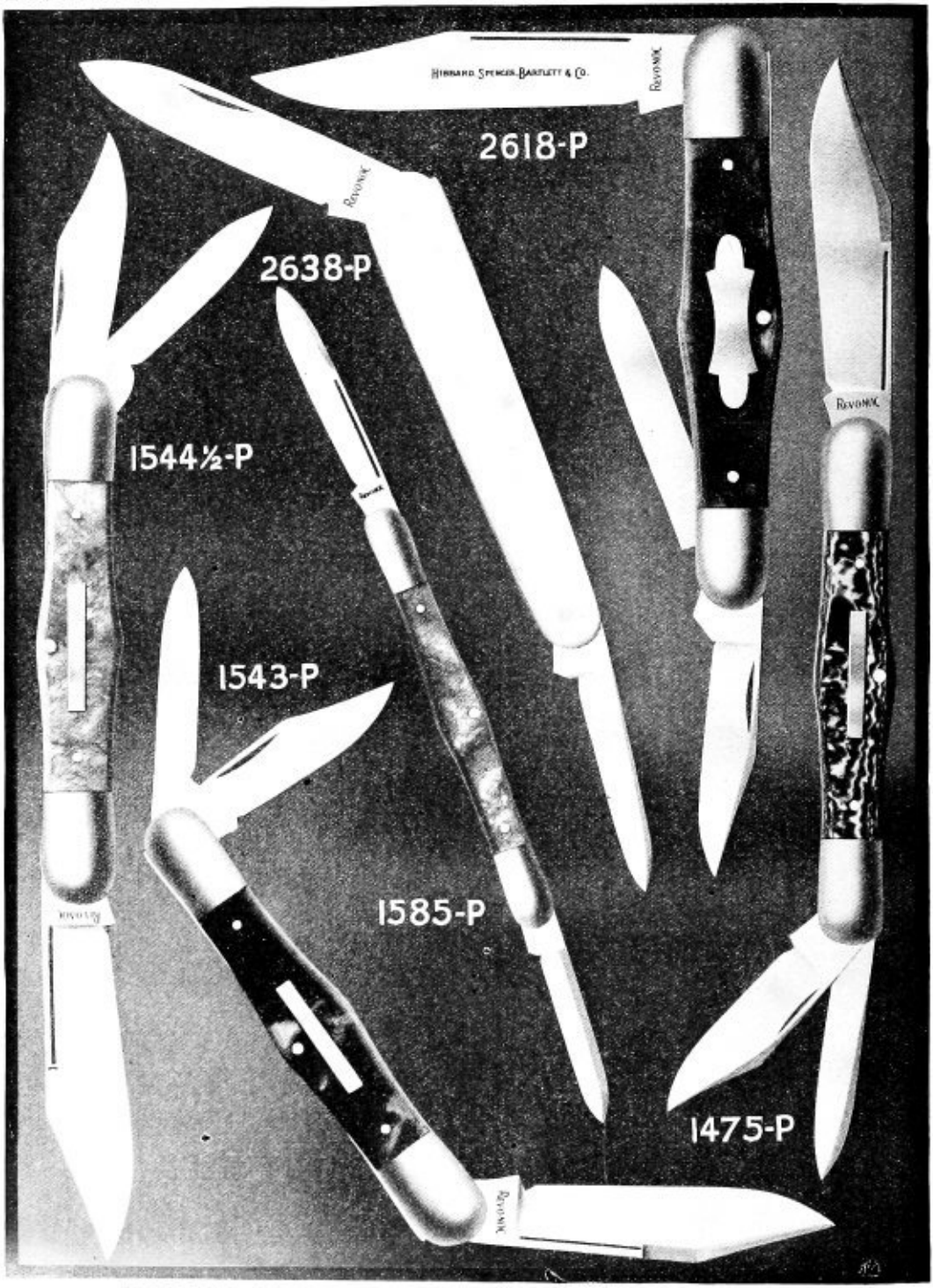
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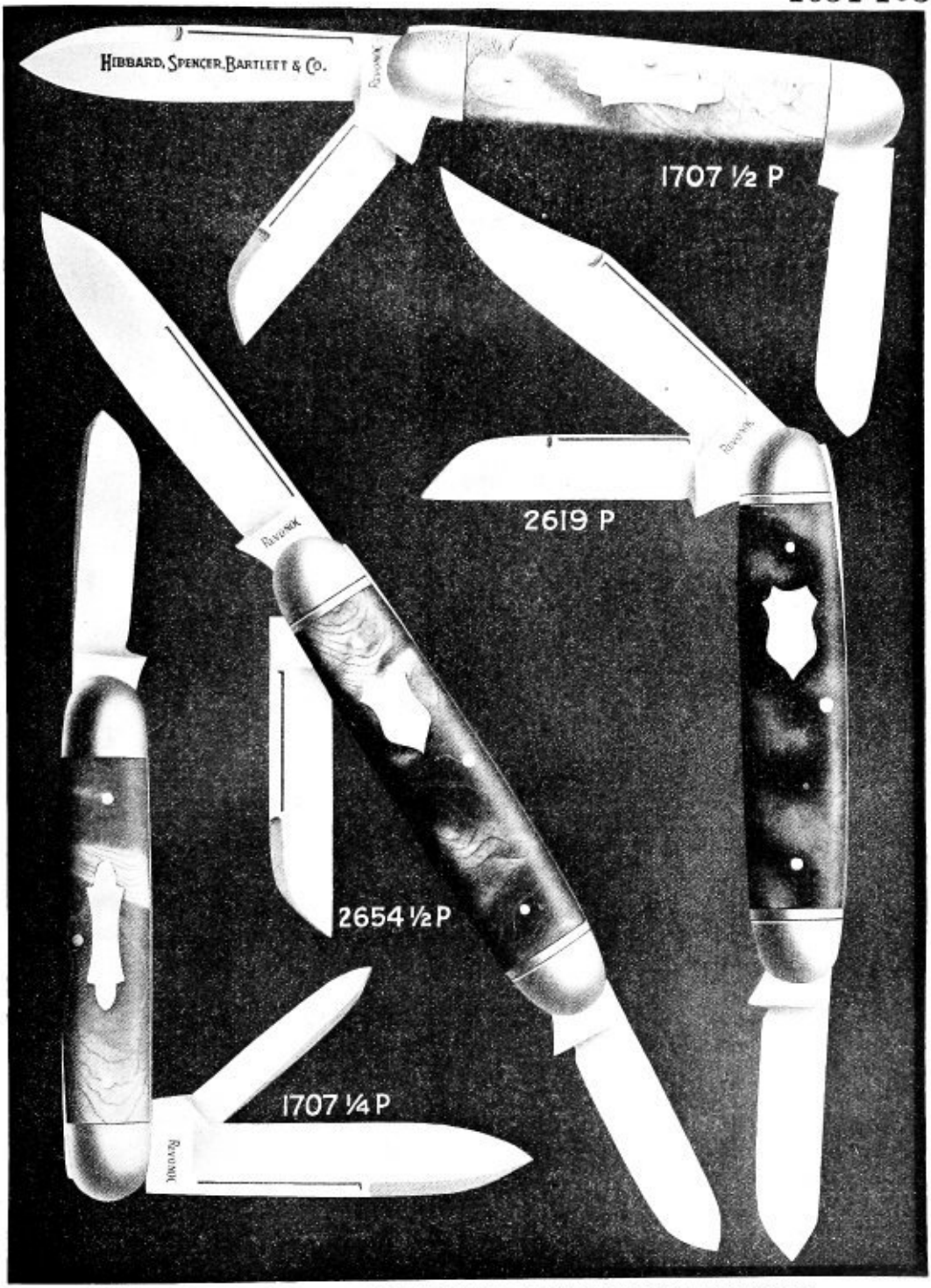
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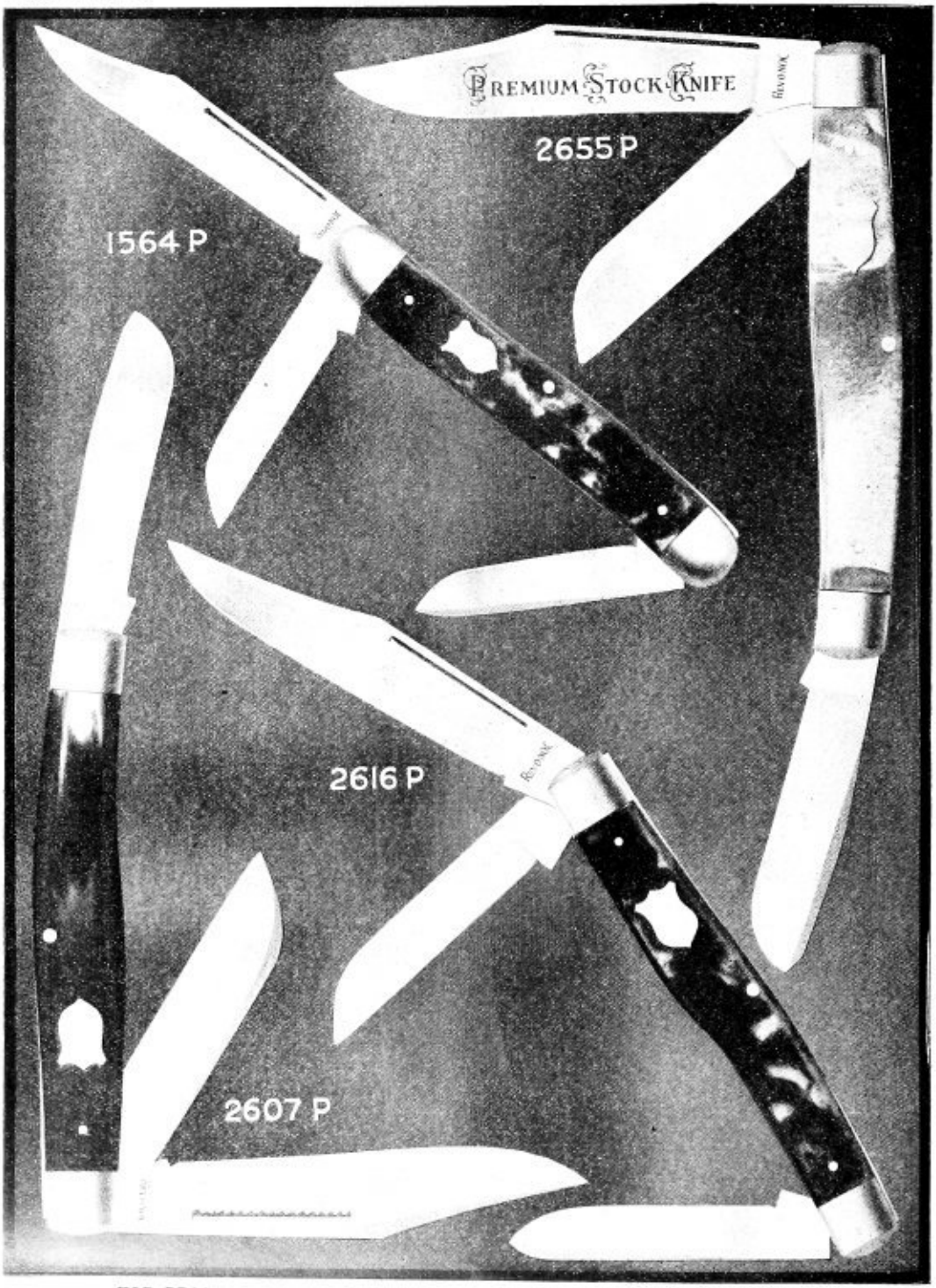
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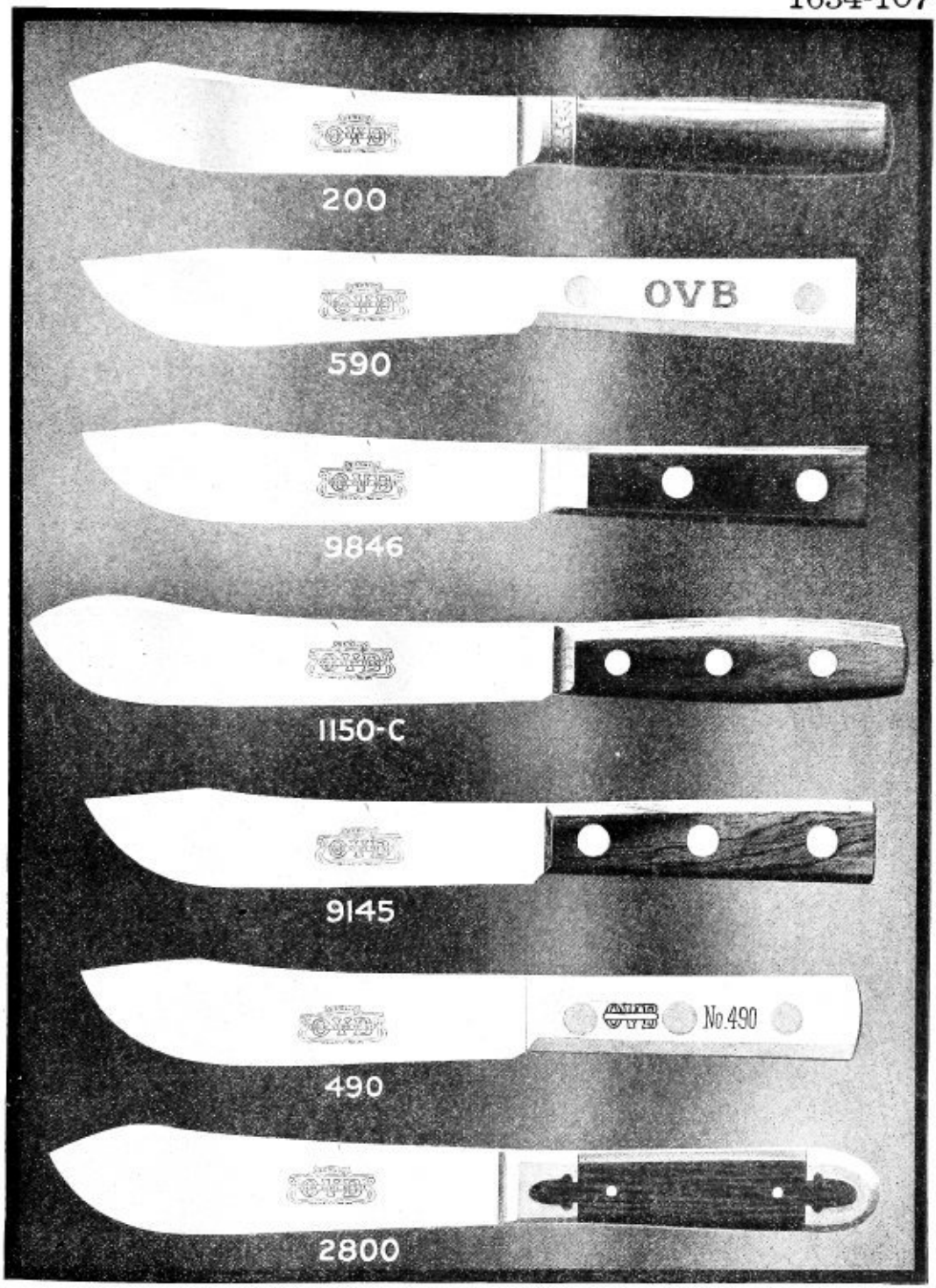
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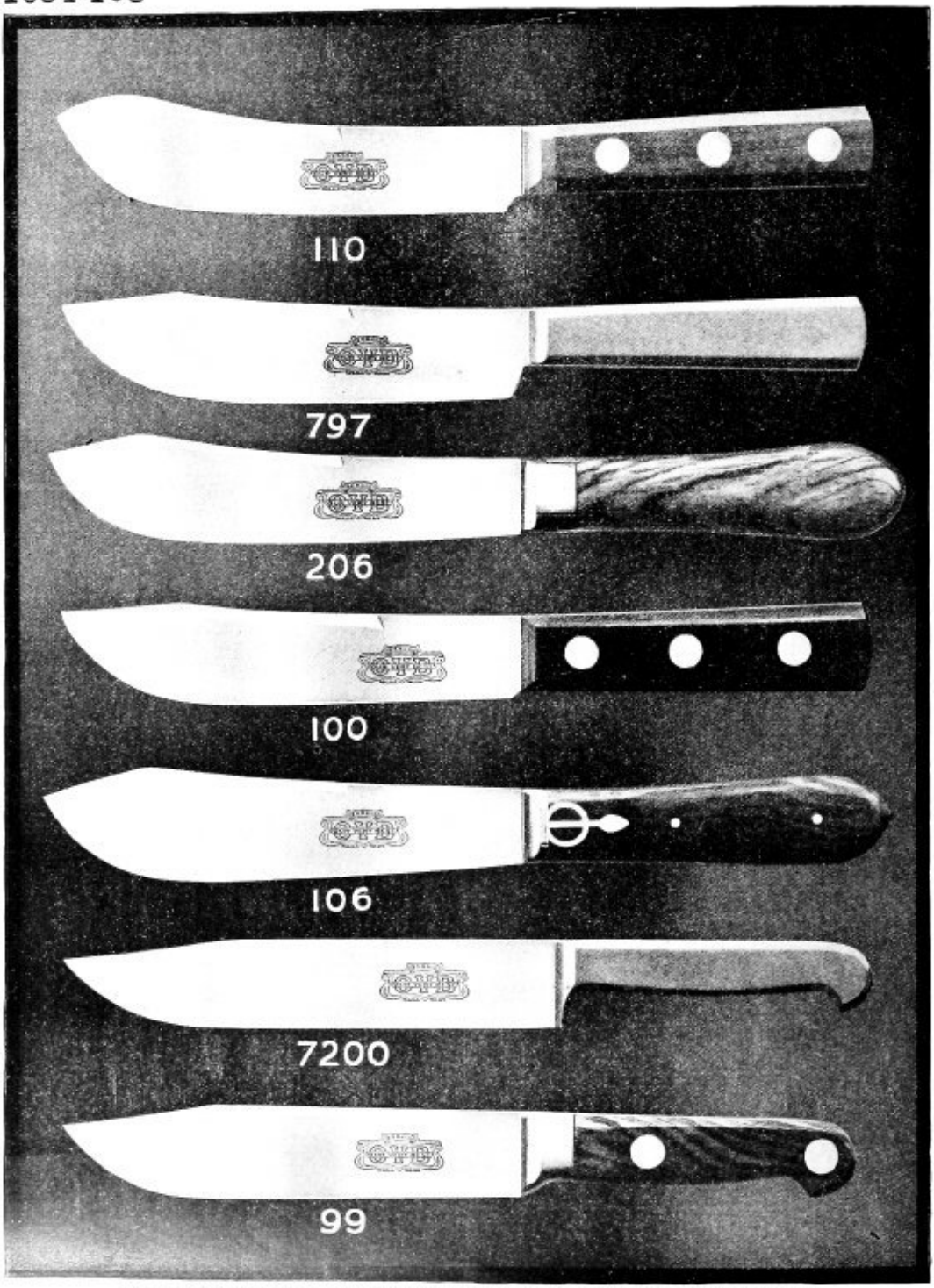
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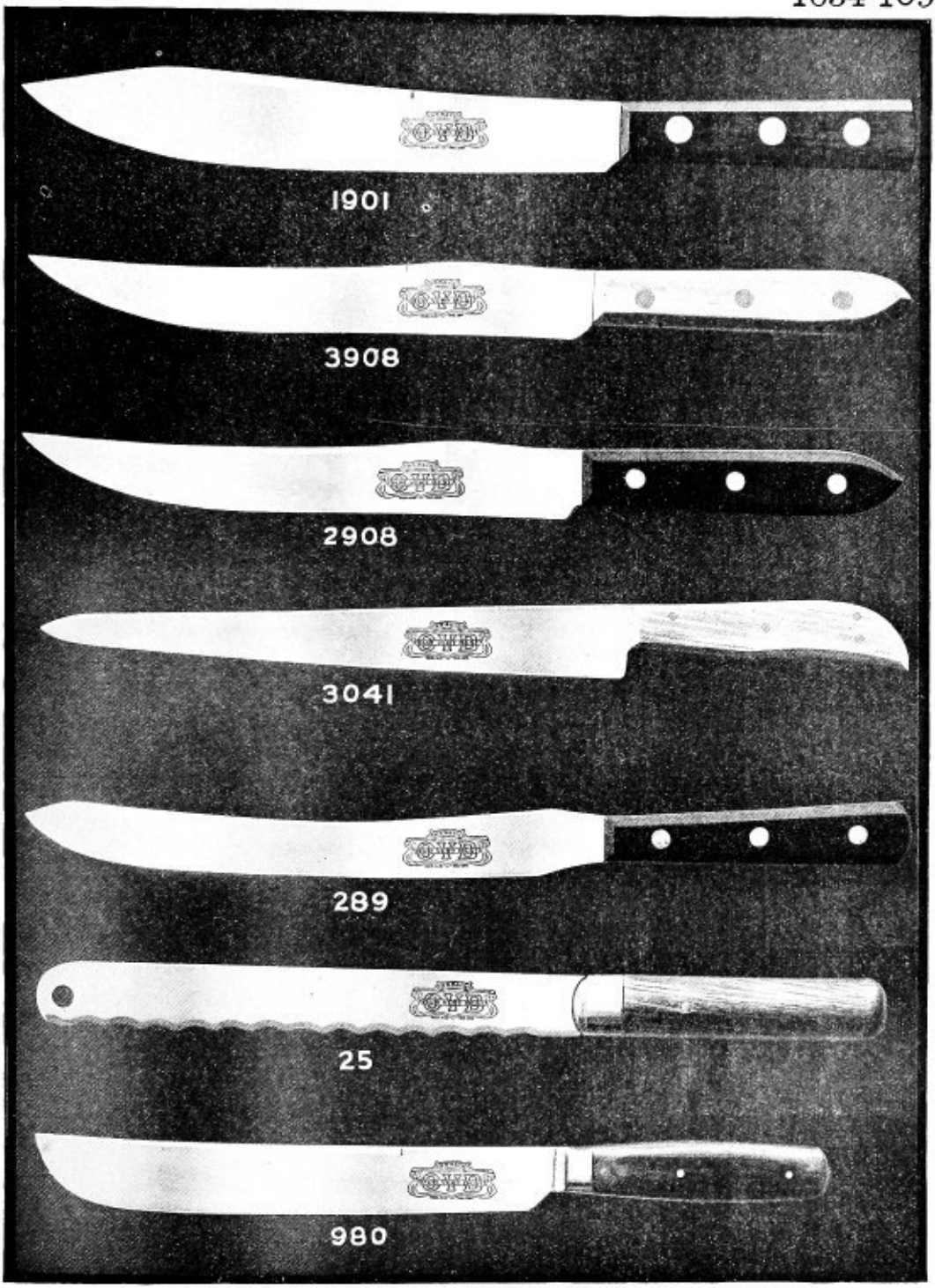
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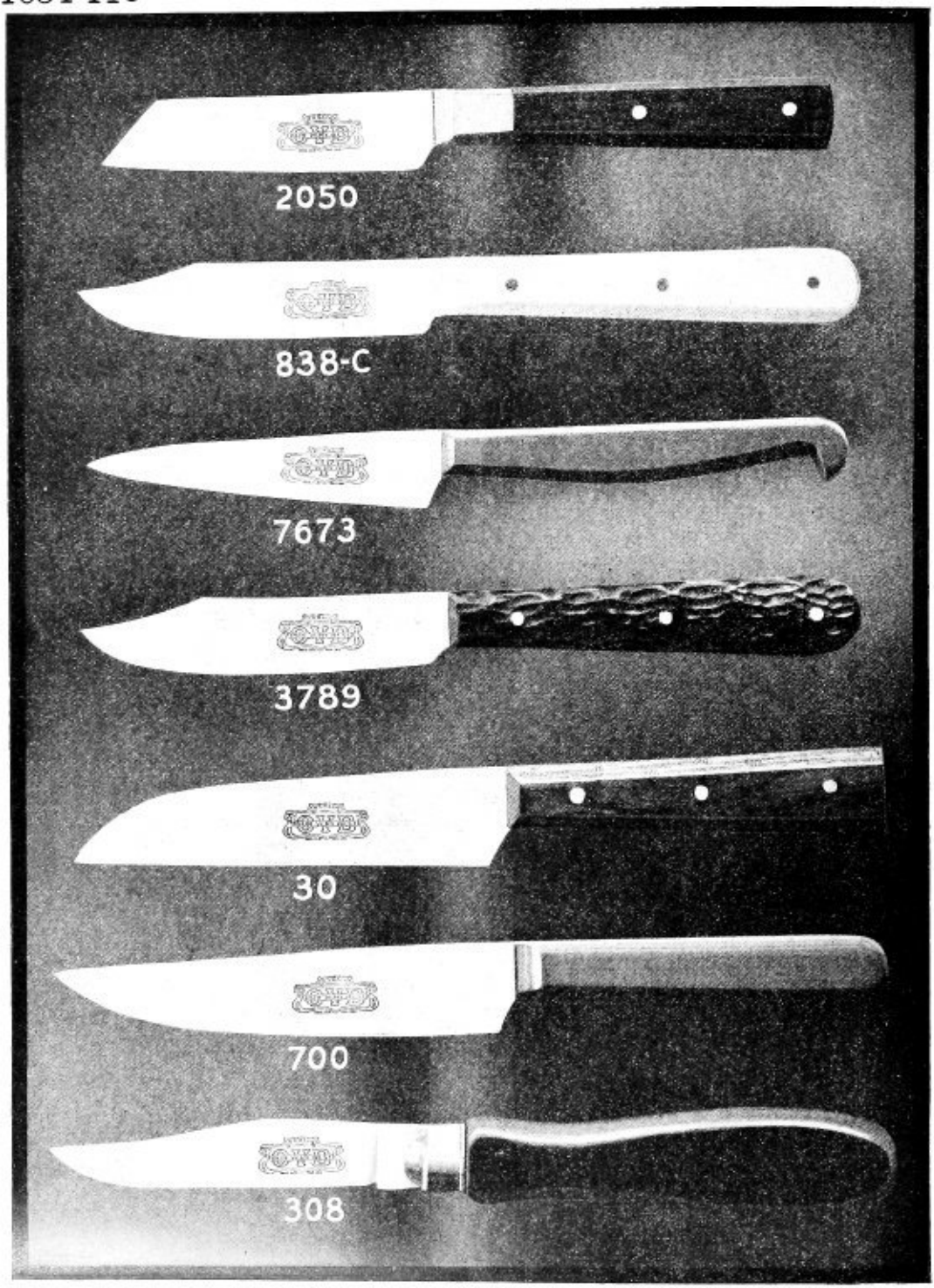
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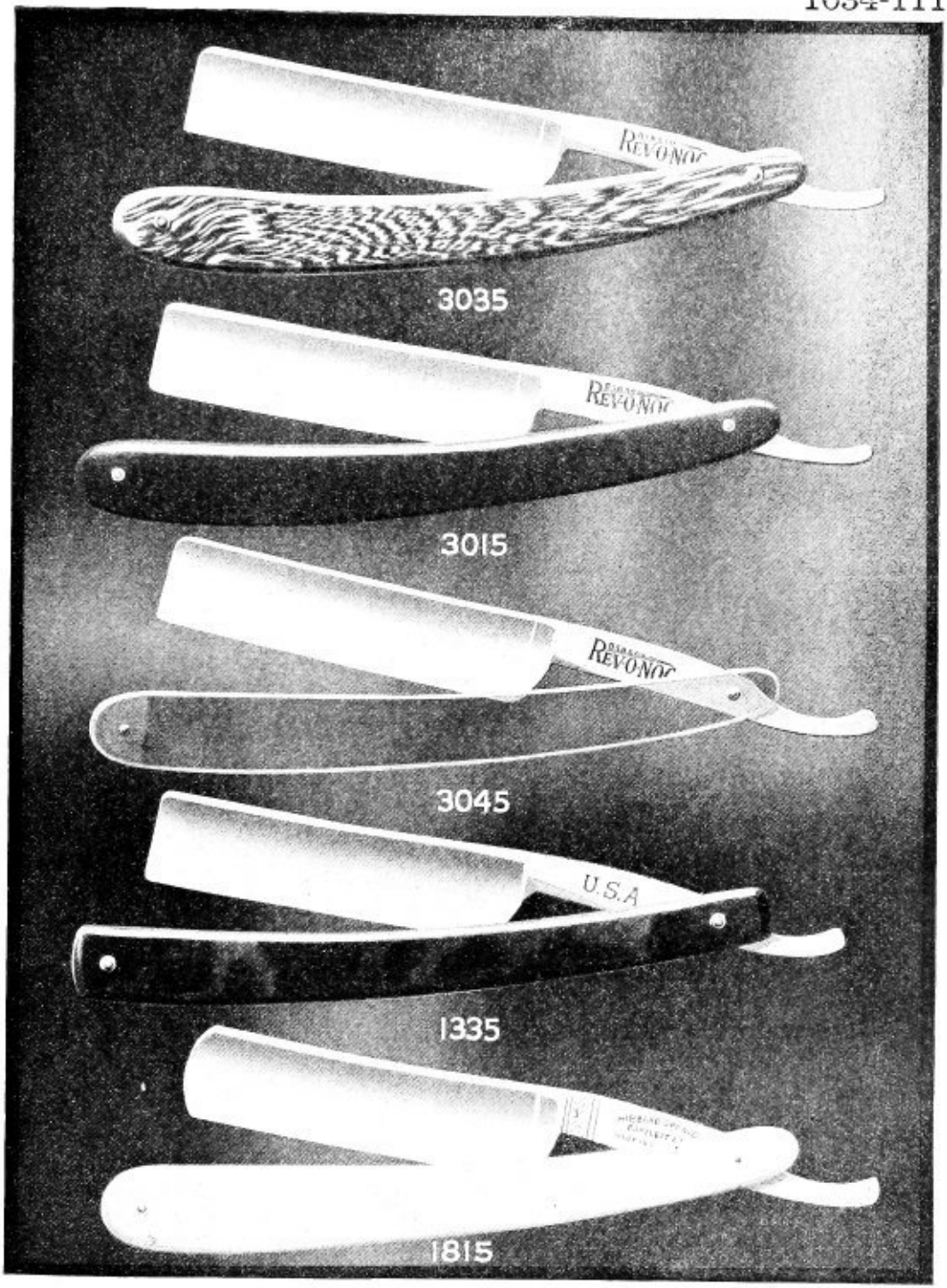
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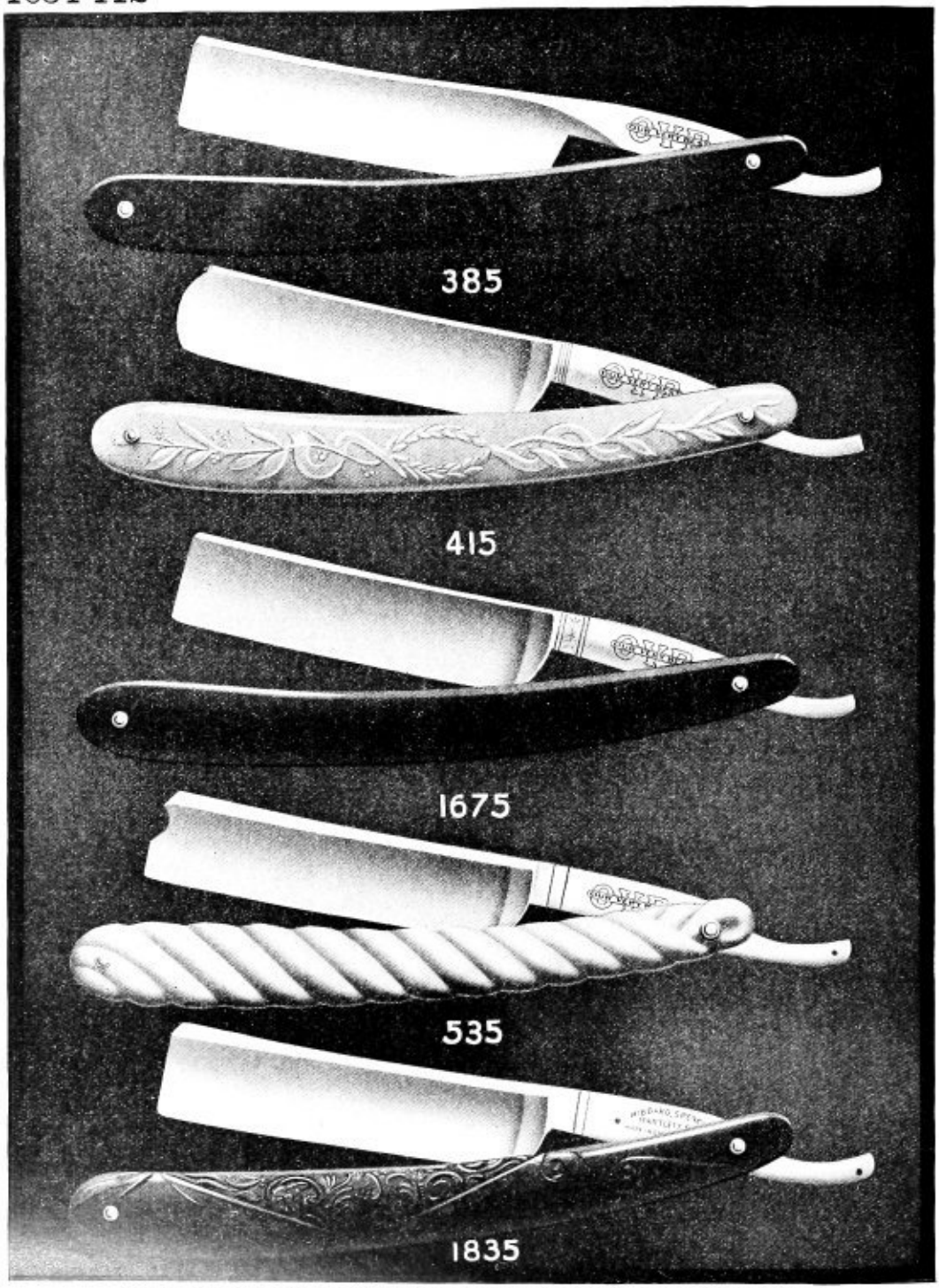
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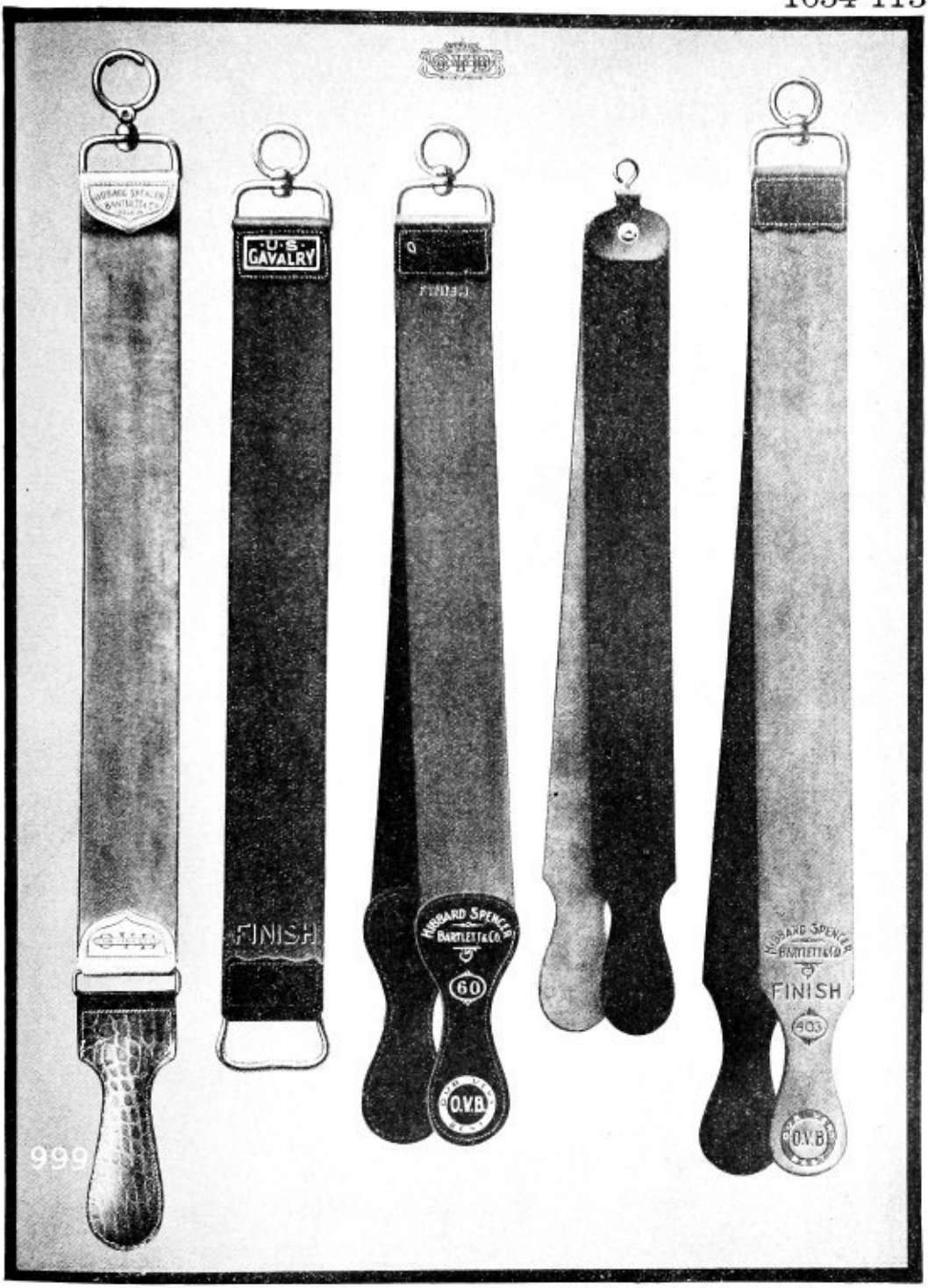
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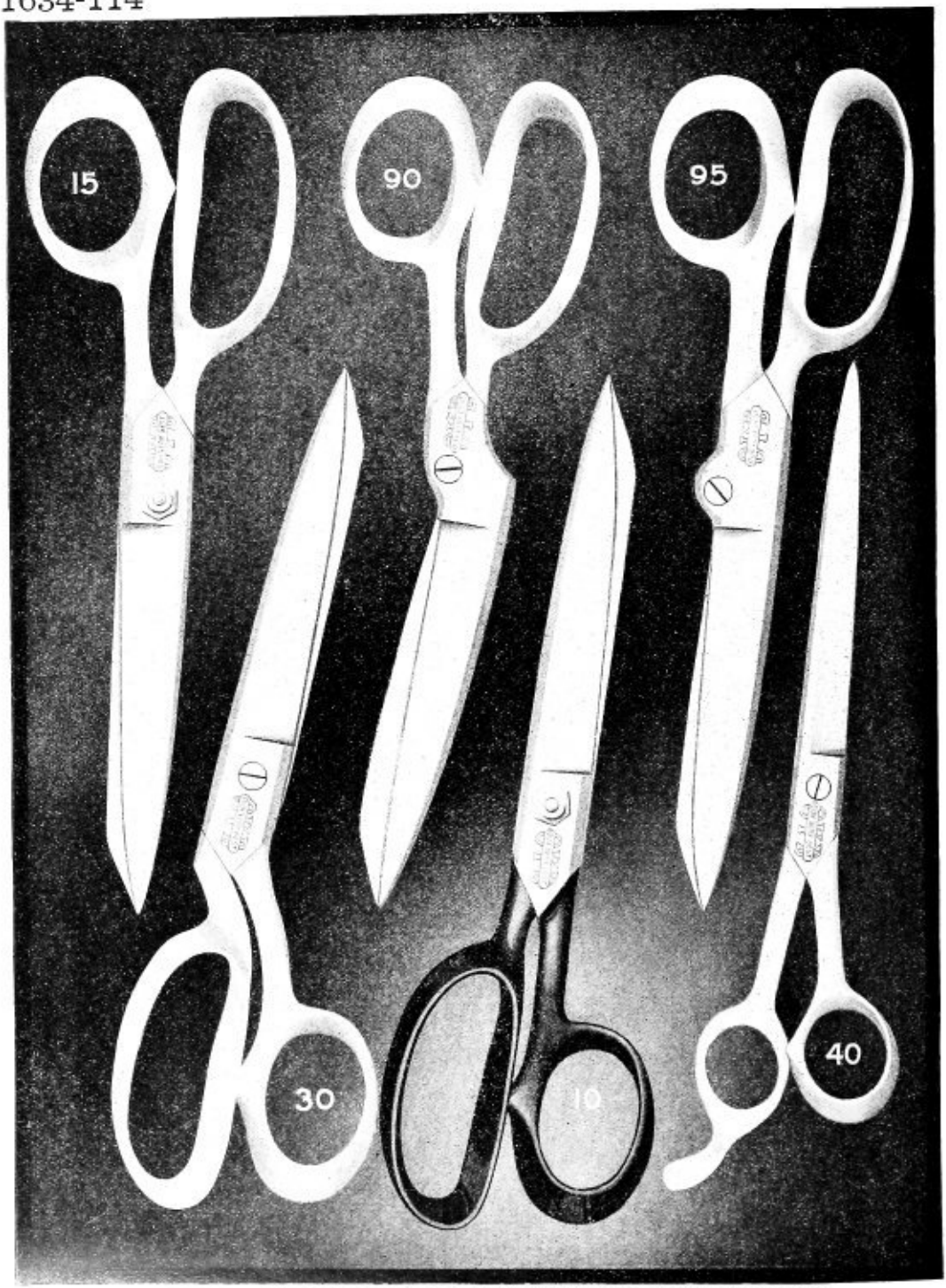
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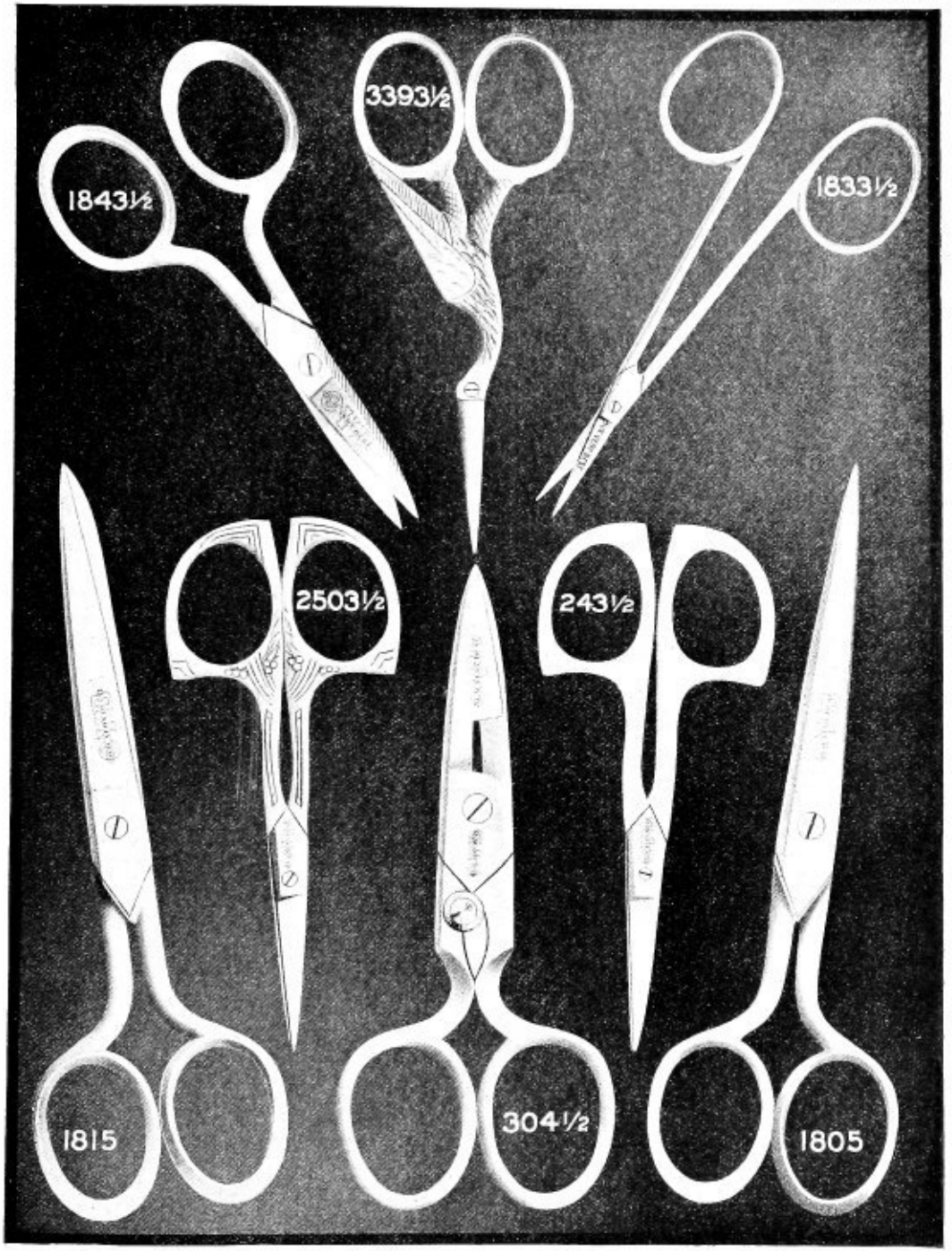
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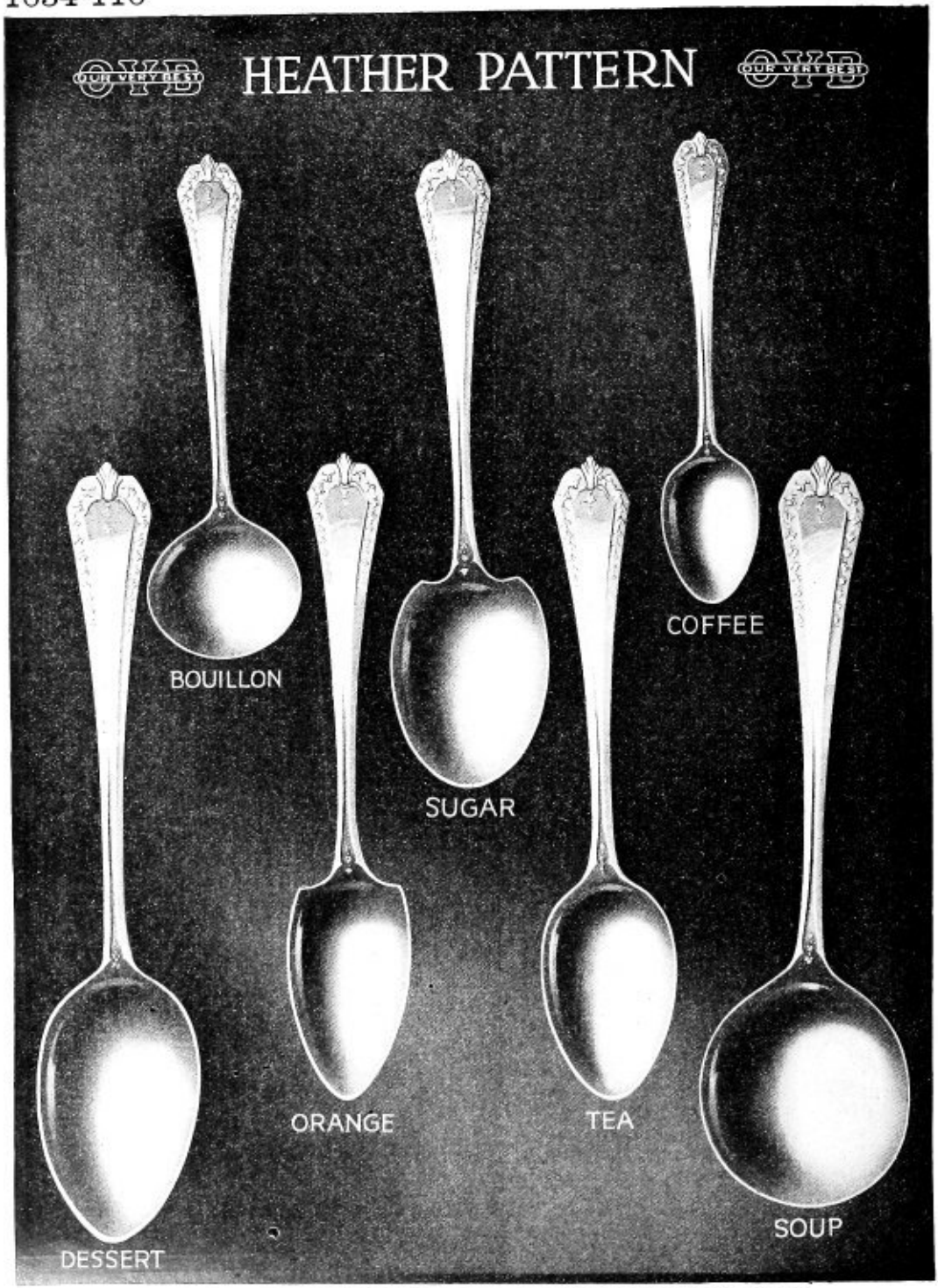
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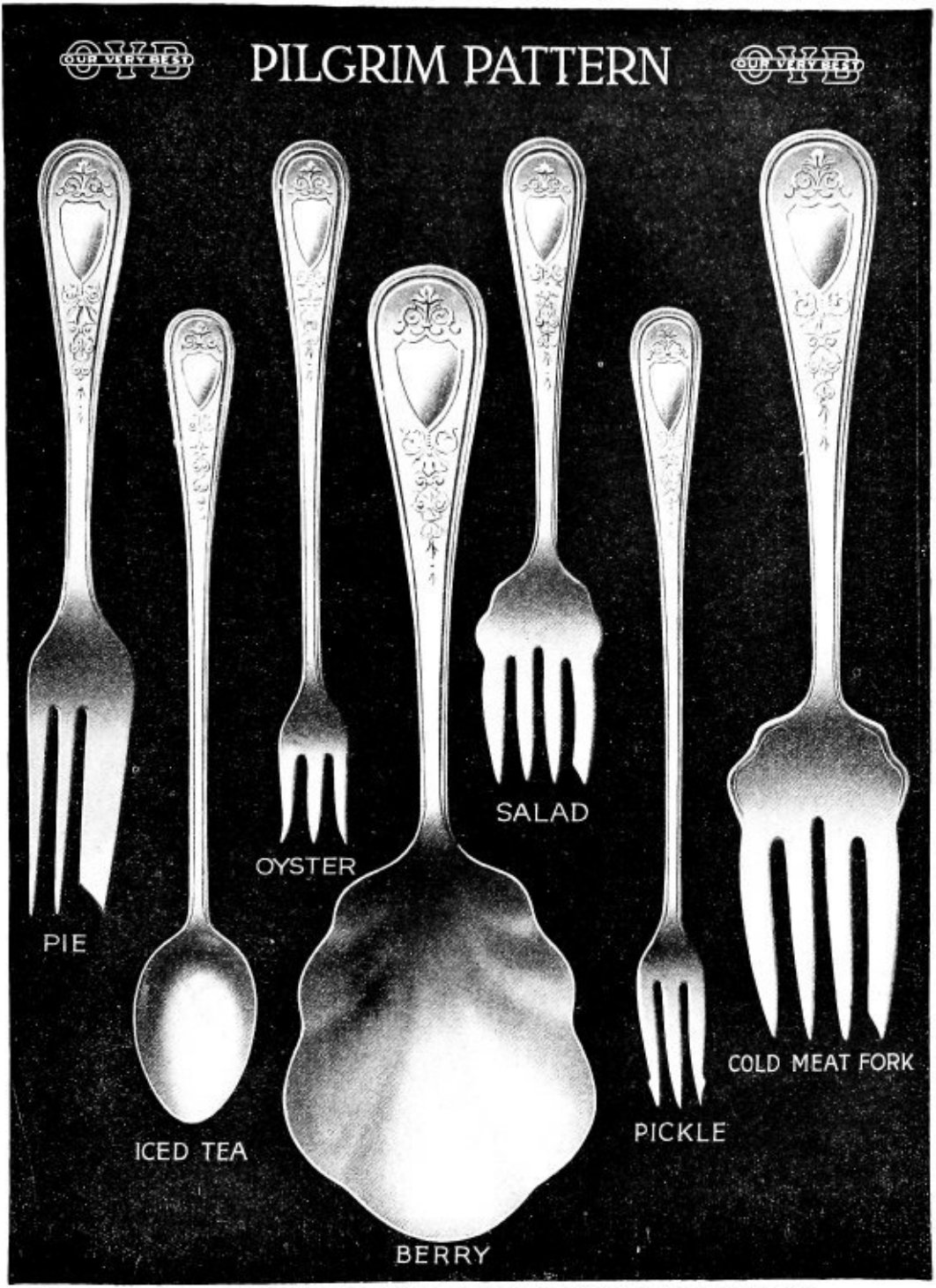
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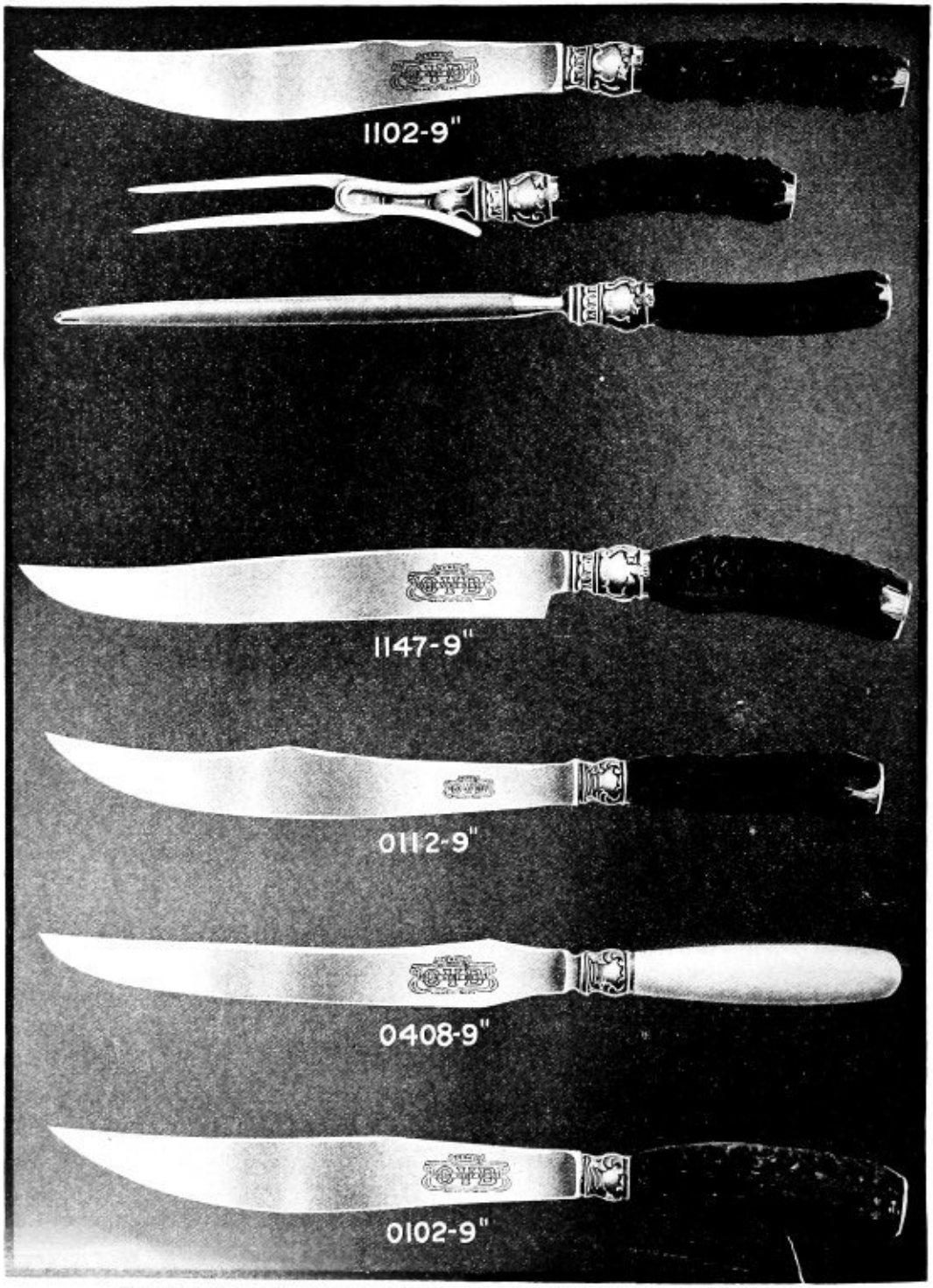
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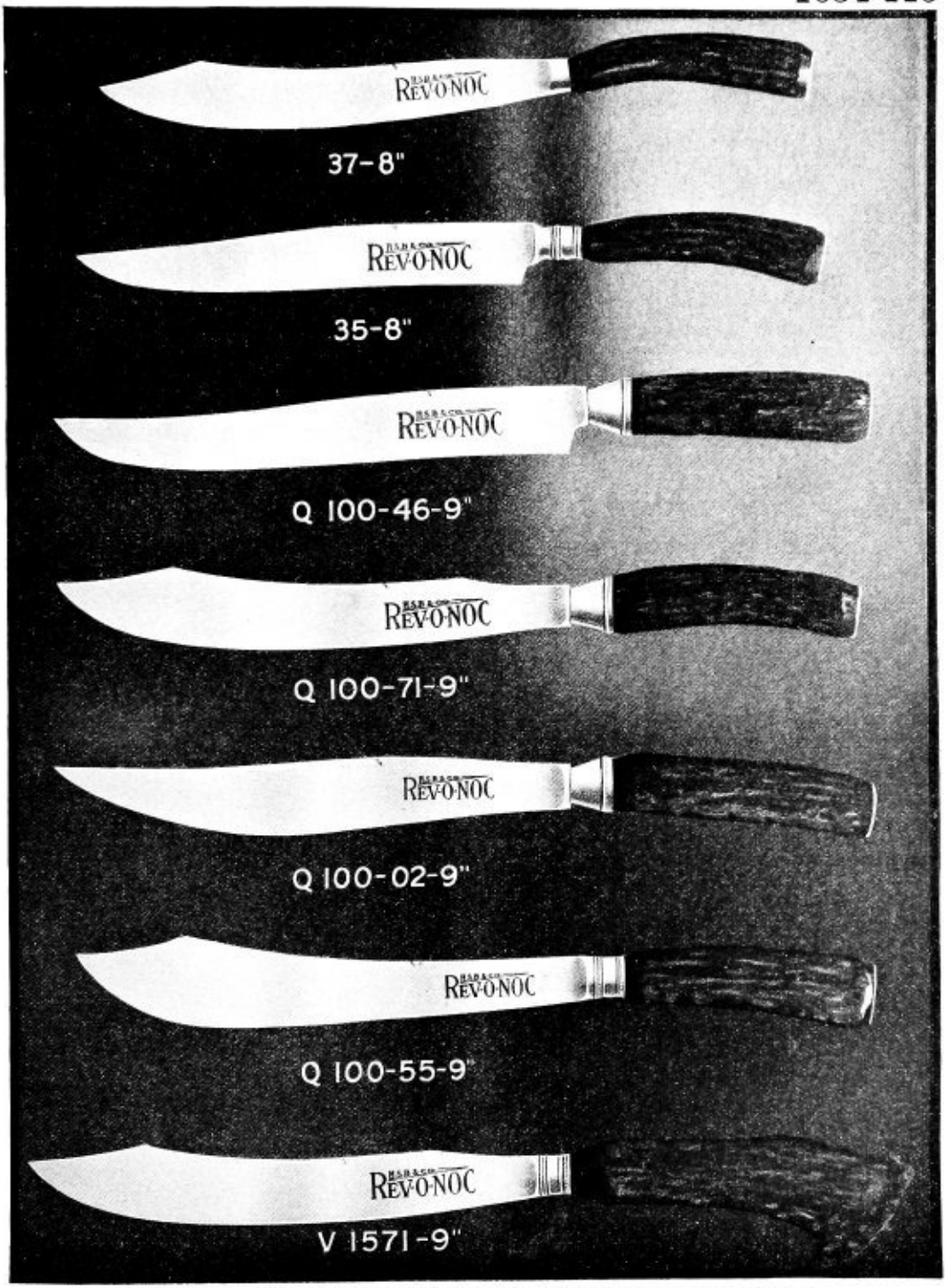
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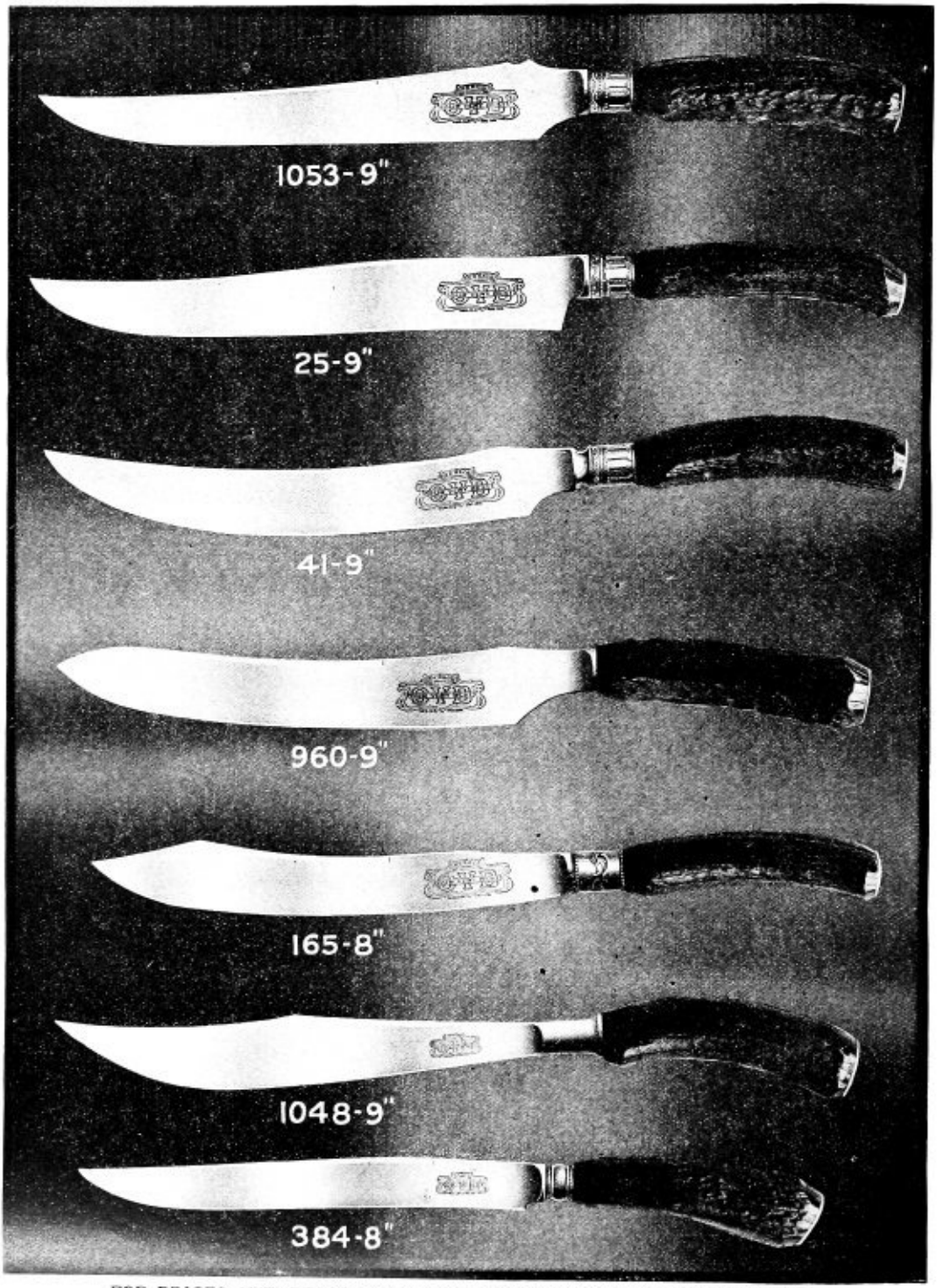
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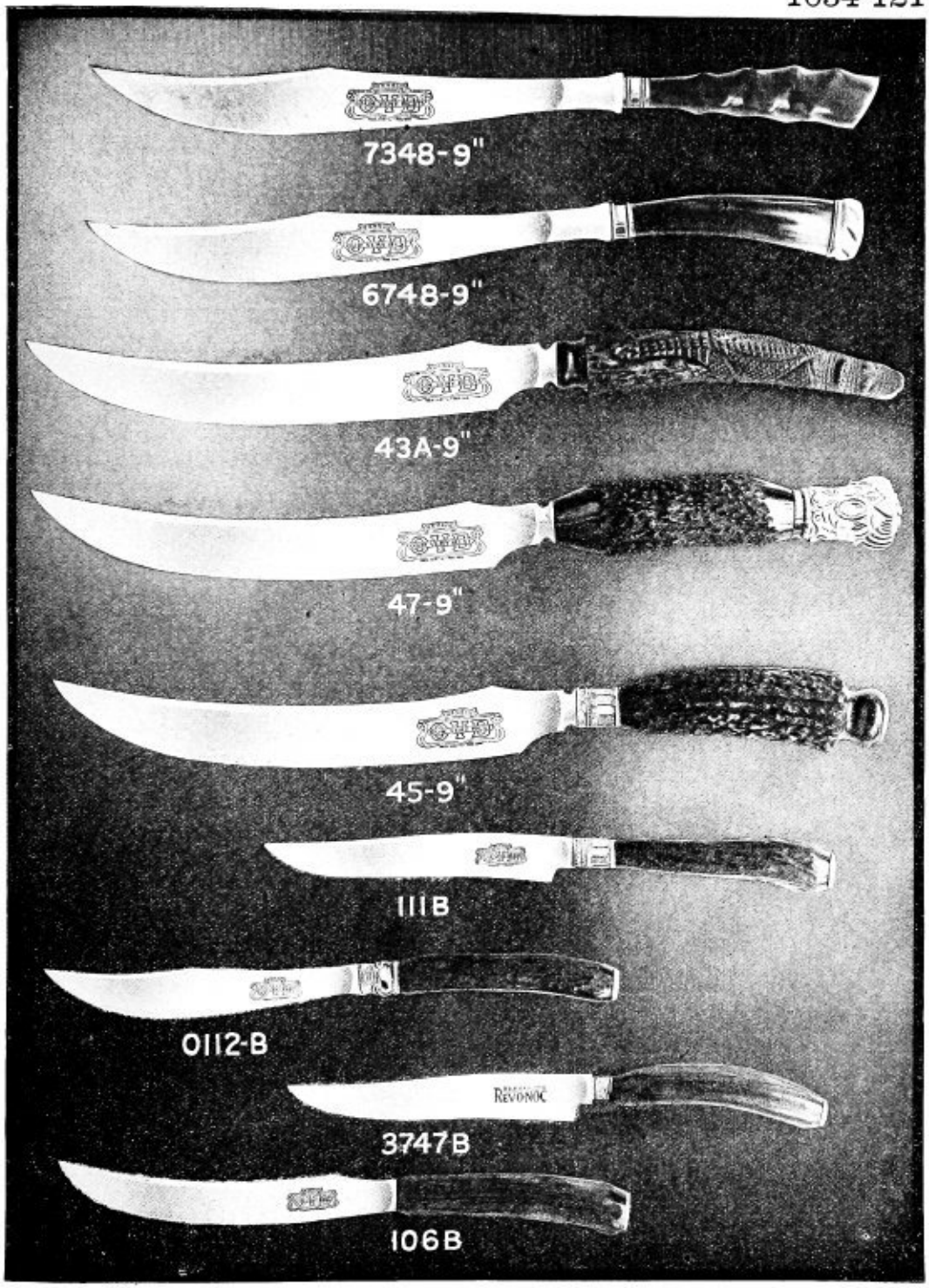
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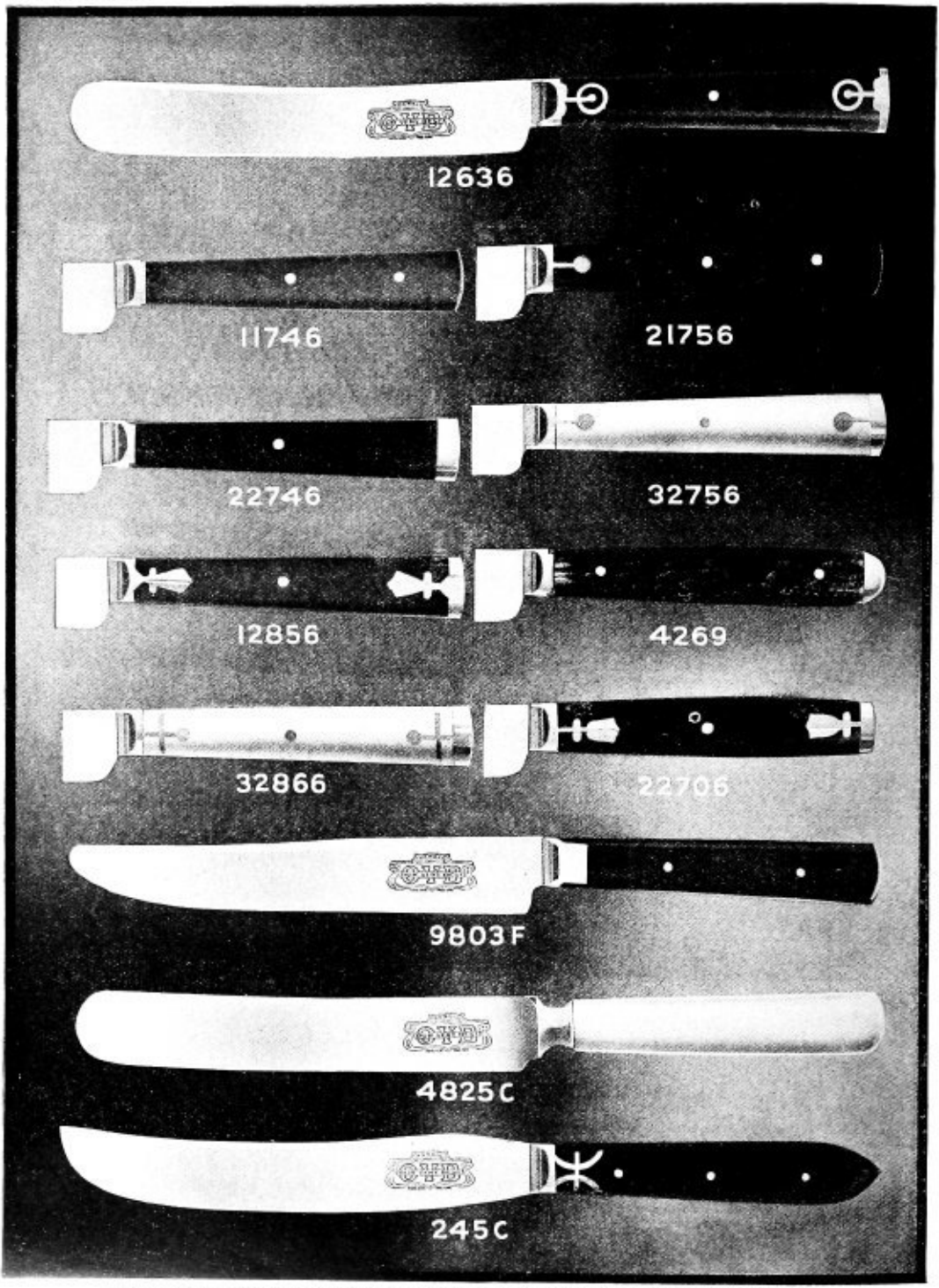
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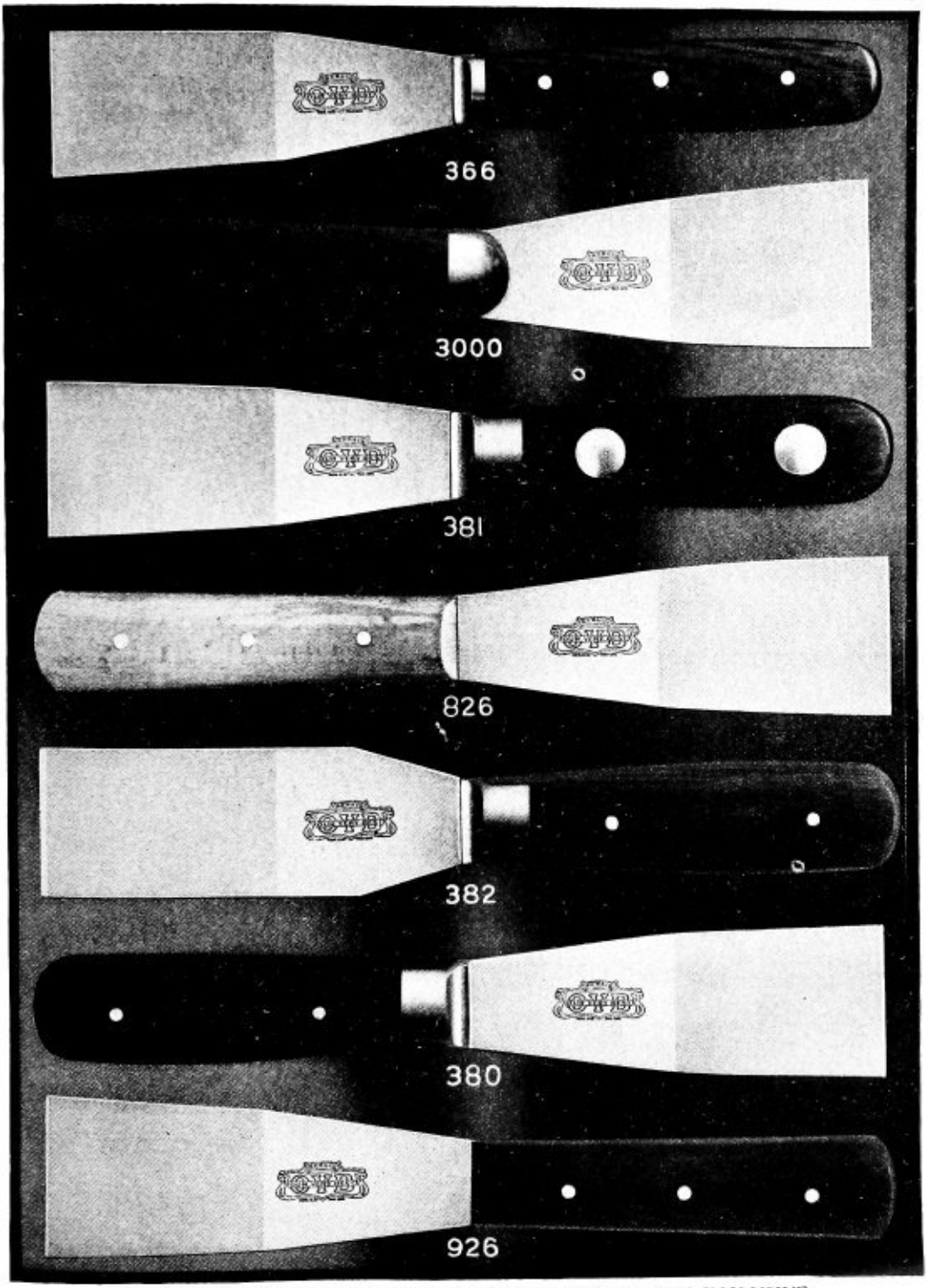
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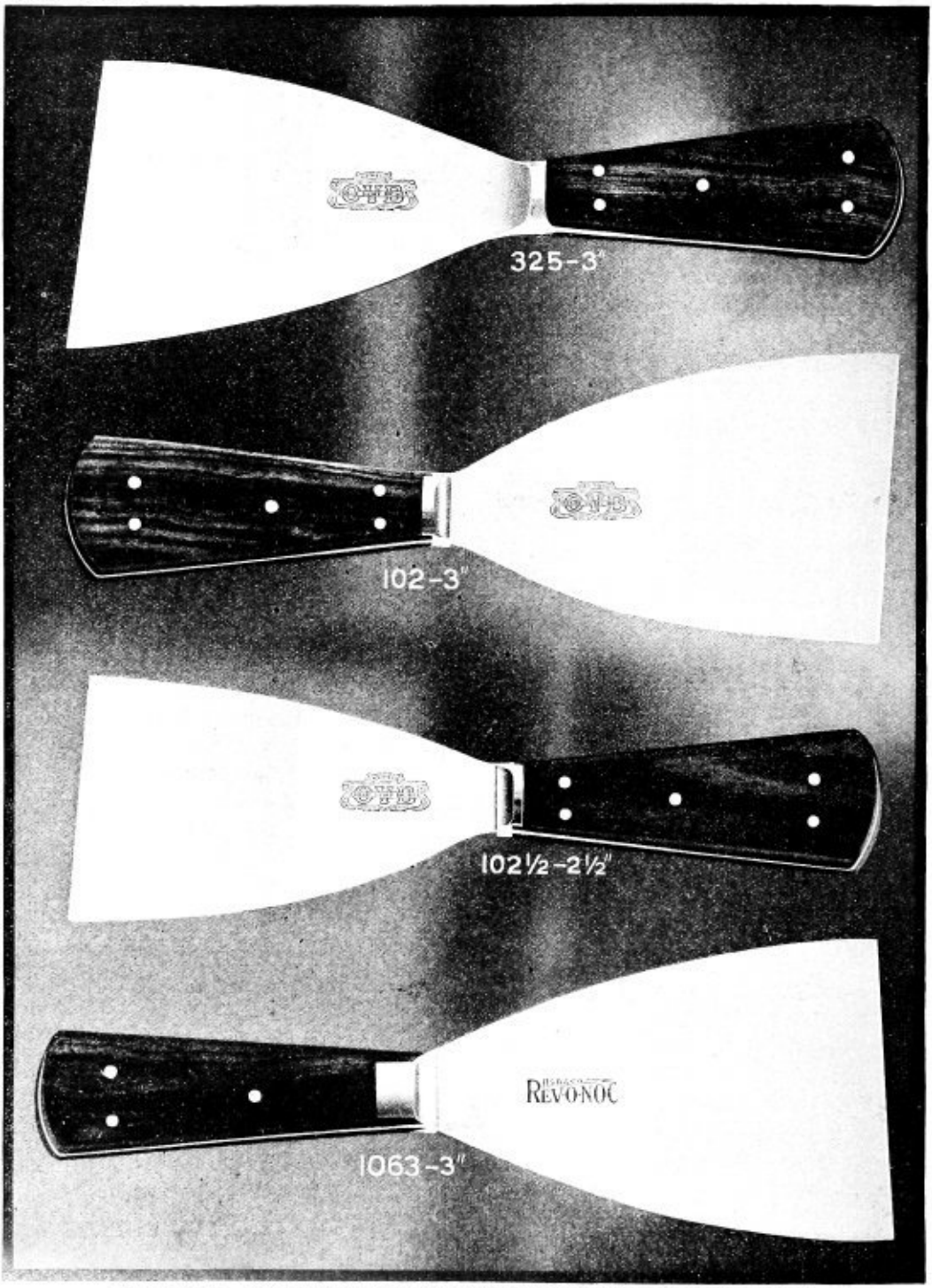
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FOR PRICES AND DESCRIPTION SEE PAGES 1635 TO 1635-15 INCLUSIVE



FOR PRICES AND DESCRIPTION SEE PAGES 1635 TO 1635-15 INCLUSIVE

OUR VERY BEST POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL, HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1609

No. 644 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **AIHJ** $36.65

No. 664 —4 blades, ful Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**BEBJ** $46.65

No. 728 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled 3½ in. closed .....per dozen **BAFJ** $39.95

No. 742 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **AIHJ** $36.65

No. 745 —2 blades, full Crocus polished, and Tortoise nail cleaner, finest quality pearl handles, German silver lined, milled, 2⅝ in. closed, per dozen .....**AIHJ** $36.65

No. 1382 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled 3½ in. closed .....per dozen **BEBJ** $46.65

No. 1383 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **BCDJ** $43.30

PAGE 1610

No. 325 —1 blade and glove hook, full Crocus polished, finest quality pearl handles, brass lined, 2⅝ in. closed .....per dozen **JIJJ** $16.65

No. 930 —1 blade and scissors, full Crocus polished, finest quality pearl handles, German silver lined, milled, 2½ in. closed, per dozen **AIHJ** $36.65

No. 931 —2 blades and scissor, full Crocus polished, finest quality pearl handles, German sliver lined, milled, 2¼ in. closed, per dozen .....**BEBJ** $46.65

No. 932 —2 blades and scissor, full Crocus polished, finest quality pearl handles, brass lined, milled back, 3⅛ in. closed .....**BDIJ** $46.10

No. 933 —2 blades and scissor, full Crocus polished, finest quality pearl handles, brass lined, milled back, 2¾ in closed .....per dozen **BDJJ** $44.40

No. 934 —2 blades and scissor, full Crocus polished, finest quality pearl handles, German silver lined, milled back, 2⅝ in. closed, per dozen .....**BDIJ** $46.10

No. 1380 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed, German silver toggle to attach to watch chain, per doz. **BAFJ** $39.95

PAGE 1611

No. 299 —2 blades, finest quality pearl handles, brass lined, 2¼ in. closed .....per dozen **JGBJ** $13.35

No. 330 —2 blades, finest quality pearl handles, brass lined, 2⅜ in. closed .....per dozen **JIFJ** $17.75

No. 533 —2 blades, finest quality pearl handles, brass lined, 2⅜ in. closed .....per dozen **JIFJ** $17.75

No. 551 —2 blades, finest quality pearl handles, brass lined, 2¼ in. closed .....per dozen **JHDJ** $15.55

No. 857 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled back, 2⅜ in. closed, per dozen **ADAJ** $26.10

ONE-HALF DOZEN IN A BOX.

PAGE 1611—Cont'd.

No. 1081 —2 blades, finest quality pearl handles, brass lined, 2⅜ in. closed .....per dozen **JFIJ** $12.80

No. 1216 —2 blades, finest quality pearl handles, German silver lined, has file on back of spring, 2½ in. closed .....per dozen **AJHJ** $30.00

PAGE 1612

No. 399 —2 blades, full Crocus polished, finest quality pearl handles, German silver lined, 3 in. closed, per dozen .....**ADDJ** $36.65

No. 505 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3 in, closed, per dozen .....**ABJJ** $22.20

No. 756 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅝ in. closed, per dozen .....**AFBJ** $30.00

No. 797 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3 in. closed, per dozen .....**AFBJ** $30.00

No. 1019 —2 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....per dozen **JIFJ** $17.75

No. 1033 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADDJ** $26.65

No. 1391 —3 blades, finest quality pearl handles, brass lined, 2⅜ in. closed .....per dozen **AJHJ** $20.00

PAGE 1613

No. 311 —2 blades, finest quality pearl handles, brass lined, 3 in. closed, per dozen .....**ABFJ** $23.30

No. 381 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**ADDJ** $26.65

No. 585 —2 blades, finest quality pearl handles, brass lined, 3 in. closed, per dozen .....**ABFJ** $23.30

No. 610 —3 blades, finest quality pearl handles, brass lined, 3 in. closed, per dozen .....**ADDJ** $26.65

No. 761 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, 2⅝ in. closed, per dozen .....**ADDJ** $26.65

No. 795 —3 blades, finest quality pearl handles, German silver lined, 3⅛ in. closed, per dozen **AIBJ** $35.55

No. 1082 —2 blades, finest quality pearl handles, German silver lined, 3 in. closed, per dozen **AAGJ** $21.65

Page 1614

No. 300 —2 blades, finest quality pearl handles, brass lined, 2¾ in. closed.....per dozen **JIFJ** $17.75

No. 1015 —2 blades, finest quality pearl handles, brass lined, 3 in. closed, per dozen .....**AJHJ** $20.00

No. 1110 —2 blades, finest quality pearl handles, brass lined, 3⅛ in. closed .....per dozen **ACHJ** $25.55

No. 1116 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AEJJ** $27.75

No. 1388 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3 in. closed, per dozen .....**ABJJ** $22.20

No 1389 —2 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....per dozen **ABJJ** $22.20

ONE-HALF DOZEN IN A BOX.

PAGE 1614—Cont'd.

No. 1390 —2 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....**ABJJ** $22.20

PAGE 1615

No. 920 —2 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 2⅜ in. closed .....per dozen **ADDJ** $26.65

No. 921 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 2¾ in. closed .....per dozen **AFBJ** $30.00

No. 922 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 2¾ in. closed .....per dozen **AIHJ** $36.65

No. 923 —2 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **AFBJ** $30.00

No. 924 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **AIHJ** $36.65

No. 925 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3 in. closed .....per dozen **BAFJ** $39.95

PAGE 1616

No. 926 —2 blades full Crocus polished, finest quality pearl handles, German silver lined, milled 3½ in. closed .....per dozen **AIHJ** $36.65

No. 927 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **AEAJ** $46.65

No. 928 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **AGJJ** $49.95

No. 1108 —2 blades, finest quality pearl handles, brass lined, 3⅛ in. closed .....per dozen **JIFJ** $17.75

No. 1109 —2 blades, finest quality pearl handles, brass lined, 3⅛ in. closed .....per dozen **ACHJ** $25.55

No. 1120 —4 blades, finest quality pearl handles, brass lined, milled, 3 in. closed, per dozen **AFBJ** $30.00

No. 1121 —4 blades, finest quality pearl handles, brass lined, milled, 3 in. closed, per dozen **AFBJ** $30.00

PAGE 1617

No. 343 —2 blades, finest quality pearl handles, hand engraved aluminum bolsters, German silver lined, 2¾ in. closed, per dozen **JIFJ** $17.75

No. 344 —2 blades, finest quality pearl handles, hand engraved aluminum bolsters, German silver lined, 3⅛ in. closed, per dozen **ACBJ** $24.45

No. 621 —3 blades, finest quality pearl handles, hand engraved aluminum bolsters, German silver lined, 3⅛ in. closed, per dozen **AEFJ** $28.90

No. 622 —3 blades, finest quality pearl handles, hand engraved aluminum bolsters, German silver lined, 3½ in. closed, per dozen **AHJJ** $33.30

No. 1184 —2 blades, finest quality pearl handles, hand engraved aluminum bolsters, brass lined, 3 in. closed .....per dozen **JIFJ** $17.75

No. 1219 —2 blades. finest quality pearl handles, brass lined, milled, 2¾ in. closed, per dozen **ABJJ** $22.20

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1618

No. 460 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADDJ** $26.65

No. 463 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADDJ** $26.65

No. 569 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**ABFJ** $23.30

No. 1016 —2 blades, finest quality pearl handles, brass lined, 3⅝ in. closed .....per dozen **JGBJ** $13.35

No. 1017 —2 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....per dozen **JHDJ** $15.55

No. 1098 —2 blades, finest quality pearl handles, brass lined, 2¼ in. closed .....per dozen **JIFJ** $17.75

No. 1393 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ACBJ** $24.45

PAGE 1619

No. 495 —2 blades, full Crocus polished, finest quality pearl handles, German silver lined, 2⅝ in. closed, per dozen .....**ADDJ** $26.65

No. 709 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 2¼ in. closed, per dozen .....**AFBJ** $30.00

No. 744 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 2⅝ in. closed .....per dozen **ACBJ** $24.45

No. 793 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 2⅝ in. closed, per dozen .....**ADDJ** $26.65

No. 936 —1 large blade and flexible nail file, large blade full Crocus polished, finest quality pearl handles, brass lined, 2¾ in. closed, per dozen .....**ABJJ** $22.20

No. 937 —2 blades and flexible nail file, blades full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**AFBJ** $30.00

No. 1379 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 2¾ in. closed, has German silver toggle to attach to watch chain ..per dozen **AFBJ** $30.00

PAGE 1620

No. 476 —2 blades, finest quality pearl handles, brass lined, 3¼ in. closed .....per dozen **AFBJ** $30.00

No. 476½ —2 blades, finest quality pearl handles, German silver lined, 3⅜ in. closed. per dozen **AFBJ** $30.00

No. 1022 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADDJ** $26.65

No. 1122 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ABFJ** $23.30

No. 1335 —2 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **ADDJ** $26.65

No. 1392 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADAJ** $26.10

ONE-HALF DOZEN IN A BOX.

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No. 620 —3 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....per dozen **ADDJ** $26.65

No. 668 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅝ in. closed, per dozen .....**BAFJ** $39.95

No. 714 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**AIBJ** $35.52

No. 731 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**AFBJ** $30.00

No. 735 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**BAFJ** $39.95

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No. 613 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ADAJ** $26.10

No. 769 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**ADDJ** $26.65

No. 1029 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AFBJ** $30.00

No. 1394 —3 blades, finest quality pearl handles, brass lined, 3¼ in. closed .....per dozen **ADAJ** $26.10

No. 1395 —4 blades, finest quality pearl handles, brass lined, milled, 3⅝ in. closed, per doz. **ADDJ** $26.65

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No. 717 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**BAFJ** $39.95

No. 789 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**AGDJ** 32.20

No. 822 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 2⅝ in. closed, per dozen .....**AFBJ** $30.00

No. 824 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**AHJJ** $33.30

No. 832 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**AIHJ** $36.65

No. 1026 —4 blades, finest quality pearl handles, brass lined, 2¾ in. closed .....per dozen **ABFJ** $23.30

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No. 466 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3¼ in. closed, per dozen .....**AFBJ** $30.00

No. 468 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3¼ in. closed, per dozen .....**BAFJ** $39.95

No. 523 —1 long blade and spatula blade, full Crocus polished, finest quality pearl handles, brass lined, 3¼ in. closed, per dozen **BDJJ** $44.40

ONE-HALF DOZEN IN A BOX.

PAGE 1624—Cont'd.

No. 647 —2 blades and spatula blade, full Crocus polished, finest quality pearl handles, brass lined, 3¼ in. closed, per dozen **BAFJ** $39.95

No. 856 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**BGFJ** $51.10

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No. 720 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**ADJJ** $44.40

No. 747 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**ACDJ** $43.30

No. 815 —2 blades, champagne opener and cork screw, full Crocus polished, brass lined 3½ in. closed, per dozen .....**BEBJ** $46.65

No. 908 —5 blades. full Crocus polished, German silver lined, milled, 3⅝ in. closed, per dozen **BHHJ** $53.30

No. 1077 —4 blades, finest quality pearl handles, brass lined, milled, 3⅝ in. closed, per dozen **BAFJ** $39.95

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No. 779 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**AFBJ** $30.00

No. 823 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 2⅝ in. closed, per dozen .....**ADDJ** $26.65

No. 829 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**BAFJ** $39.95

No. 851 —4 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen .....**AHJJ** $33.30

No. 1115 —3 blades, finest quality pearl handles, brass lined, 3 in. closed .....per dozen **ADDJ** $26.65

No. 117 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AEJJ** $27.75

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No. 435 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**AFBJ** $30.00

No. 619 —3 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AFBJ** $30.00

No. 785 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3½ in. closed, per dozen .....**BJDJ** $37.75

No. 820 —4 blades, finest quality pearl handles, brass lined, milled, 3½ in. closed, per dozen **AGDJ** $32.20

No. 841 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **BAFJ** $39.95

No. 1010 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **ACBJ** $24.45

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

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No. 408 —2 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅞ in. closed, per dozen .....**BEBJ** $46.65

No. 675 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅝ in. closed, per dozen .....**BDJJ** $44.40

No. 768 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅛ in. closed, per dozen .....**AIBJ** $35.55

No. 774 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅝ in. closed, per dozen .....**BDJJ** $44.40

No. 1093 —3 blades, finest quality pearl handles, brass lined, 3¾ in. closed .....per dozen **AHIJ** $35.00

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No. 703 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅛ in. closed, per dozen .....**BCDJ** $43.30

No. 718½ —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 3⅝ in. closed, per dozen .....**BEBJ** $46.65

No. 748 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, 4 in. closed, per dozen .....**BEBJ** $46.65

No. 1381 —3 blades, finest quality pearl handles, brass lined, milled, 3⅛ in. closed, per dozen **BBBJ** $41.10

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No. 635½ —3 blades, finest quality pearl handles, brass lined, 4 in. closed .....per dozen **BEBJ** $46.65

No. 649 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 4 in. closed .....per dozen **BEBJ** $46.65

No. 656 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **BAFJ** $39.95

No. 1320 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **BAFJ** $39.95

No. 1322 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 3½ in. closed .....per dozen **BDIJ** $46.10

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No. 634 —3 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 4 in. closed .....per dozen **BEBJ** $46.65

No. 635 —3 blades, full Crocus polished, finest quality pearl handles, brass lined, milled, 4 in. closed, per dozen .....**BEHJ** $47.75

No. 843 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 4 in. closed .....per dozen **BEBJ** $46.65

No. 858 —4 blades, full Crocus polished, finest quality pearl handles, German silver lined, milled, 4 in. closed .....per dozen **BGIJ** $51.65

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No. 1409 —2 blades, full Crocus polished, beautiful Abalonian pearl handles, German silver lined, 3½ in. closed .....per dozen **AGDJ** $32.20

ONE-HALF DOZEN IN A BOX.

PAGE 1632—Cont'd.

No. 1410 —2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AJBJ** $18.85

No. 1415 —2 blades, full Crocus polished, beautiful Abalonian pearl handles, German silver lined, 2⅞ in. closed .....per dozen **AHJJ** $33.30

No. 1423 —2 blades, smoked pearl handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 1424 —2 blades, gold shell celluloid handles, brass lined, 3½ in. closed .....per dozen **DHJ** $8.90

No. 1429 —2 blades, satin finish and lacquered solid brass handles, 3 in. closed, has toggle to attach to watch chain ....per dozen **DHJ** $8.90

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No. 1416 —3 blades,, smoked pearl celluloid handles, brass lined, 3⅝ in. closed .....per dozen **JGHJ** $14.25

No. 1425 —2 blades, smoked pearl celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1426 —2 blades, smoked pearl celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** 08.90

No. 1427 —2 blades, gold shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1428 —2 blades, gold shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

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No. 1096 —2 blades, black Buffalo horn handles, brass lined, 2¾ in. closed .....per dozen **DHJ** $8.90

No. 1224 —2 blades, gold shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1225 —2 blades, smoked pearl celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1226 —2 blades, smoked pearl celluloid handles, brass lined, 2¾ in. closed .....per dozen **DHJ** $8.90

No. 1230 —2 blades, gold shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **DHJ** $8.90

No. 1231 —2 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed .....per dozen **DHJ** $8.90

No. 1232 —2 blades, smoked pearl celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

No. 1233 —2 blades, gold shell celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

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No. 1228 —2 blades, smoked pearl celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

No. 1229 —2 blades, gold shell celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

No. 1373 —2 blades, gold shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **JEDJ** $10.00

No. 1374 —2 blades, striped onyx celluloid handles, brass lined, 3¼ in. closed .....per dozen **JEDJ** $10.00

No. 1375 —2 blades, smoked pearl celluloid handles, brass lined, 3¼ in. closed .....per dozen **JEDJ** $10.00

No. 1541 —**Jumbo,** 2 blades, gold shell celluloid handles, brass lined, 4¼ in. closed, per dozen **ABFJ** $23.30

ONE-HALF DOZEN IN A BOX.

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No. 1361 —3 blades, gold shell celluloid handles, brass lined, milled, 3⅞ in. closed, per dozen **ABFJ** $23.30

No. 1362 —3 blades, gold shell celluloid handles, brass lined, milled, 3⅞ in. closed, per dozen **ABFJ** $23.30

No. 1363 —3 blades, smoked pearl celluloid handles, brass lined, milled, 3⅞ in. closed, per dozen **ABFJ** $23.30

No. 1364 —3 blades, smoked pearl celluloid handles, brass lined, milled, 3⅞ in. closed, per dozen **ABFJ** $23.30

PAGE 1634-3

No. 1417 —2 blades and punch, stag handles, brass lined, 3¾ in. closed .....per dozen **AADJ** $21.10

No. 1420 —2 blades, satin finish and lacquered solid brass handles, brass lined, 3¾ in. closed, per dozen .....**DHJ** $8.90

No. 1421 —**Easy Opener,** 1 blade and punch, satin finish and lacquered solid brass handle, brass lined, 3⅝ in. closed .....per dozen **DHJ** $8.90

No. 1422 —**Easy Opener,** 2 blades, satin finish and lacquered solid brass handles, brass lined, 3⅝ in. closed, per dozen .....**DHJ** $8.90

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No. 1090 —2 blades and punch stag handles, brass lined, 3⅝ in. closed .....per dozen **JIFJ** $17.75

No. 1309 —2 blades and punch, stag handles, brass lined, 3⅝ in. closed .....per dozen **JIFJ** $17.75

No. 1313 —2 blades and punch, stag handles, brass lined, 3⅝ in. closed .....per dozen **JIFJ** $17.75

No. 1326 —1 blade and punch, cocoa handles, brass lined, 3½ in. closed .....per dozen **DHJ** $8.90

No. 1327 —1 blade and punch, stag handles, brass lined, 3½ in. closed .....per dozen **DHJ** $8.90

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No. 657 —2 blades and punch, blades full Crocus polished, stag handles, German silver lined, milled, 4 in. closed, per dozen **ADDJ** $26.65

No. 658 —2 blades and punch, blades full Crocus polished, stag handles, German silver lined, milled, 4 in. closed, per dozen **ADDJ** $26.65

No. 929 —3 blades and punch, blades full Crocus polished, stag handles, German silver lined, milled, 3⅝ in. closed, per dozen **ADDJ** $26.65

No. 929½ —3 blades and punch, blades full Crocus polished, stag handles, German silver lined, milled, 3⅞ in. closed, per dozen **ADDJ** $26.65

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No. 935 —1 large blade, scre driver, can opener, bottle opener and punch, stag handles, brass lined, 3⅝ in. closed, per dozen **ADDJ** $26.65

No. 1305 —2 blades and punch, stag handles, brass lined, milled, 3⅛ in. closed, per dozen **JIFJ** $17.75

No. 1307 —3 blades and punch, stag handles, brass lined, 3⅛ in. closed .....per dozen **ADDJ** $26.65

No. 1328 —2 blades and punch, stag handles, brass lined, 3⅝ in. closed .....per dozen **JIFJ** $17.75

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE. NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-7

No. 1187 —3 blades and punch, stag handles, brass lined, milled, 3¾ in. closed, per dozen **ACEJ** $25.00

No. 1304 —3 blades and punch, stag handles, brass lined, milled, 3⅞ in. closed, per dozen **ACEJ** $25.00

No. 1312 —2 blades and punch, stag handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1358 —3 blades and punch, stag handles, iron lined 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1369 —2 blades and punch, cocoa handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

PAGE 1634-8

No. 1308 —2 blades and punch, stag handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1309½ —2 blades and punch, stag handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1314 —3 blades and punch, stag handles, brass lined, milled, 3⅞ in. closed, per dozen **ACEJ** $25.00

No. 1324 —2 blades and punch, cocoa handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1368 —2 blades and punch, stag handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

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No. 1359 —4 blades and punch, stag handles, brass lined, milled, 3⅞ in. closed, per dozen **AFHJ** $31.10

No. 1360 —3 blades and punch, stag handles, brass lined, 3½ in. closed .....per dozen **JIFJ** $17.75

No. 1372 —4 blades, large clip, sheepfoot, combination can opener and Crown cap bottle opener and punch blade, stag handles, brass lined, 4½ in. closed, has German silver toggle to attach to key chain, per dozen .....**AIHJ** $36.65

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No. 814 —2 blades, champagne opener and cork screw, full Crocus polished, stag handles, brass lined, 3¾ in. closed....per dozen **AIHJ** $36.65

No. 939 —1 blade, Crown cap bottle opener, screw driver and cork screw, German silver handles, 3¼ in. closed .....per dozen **JIFJ** $17.75

No. 1345 —2 blades, Crown cap bottle opener, screw driver and cork screw, stag handles, brass lined, 3¼ in. closed ....per dozen **ADDJ** $26.65

No. 1371 —Automobile, 1 blade, 1 combination Crown cap bottle opener and Prest-o-lite key, stag handles, brass lined, 3½ in. closed, per dozen .....**JGBJ** $13.35

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No. 723 —3 blades, full Crocus polished, stag handles, brass lined, 4¼ in. closed, per dozen **ACBJ** $24.45

No. 1050 —2 blades, stag handles, brass lined, 4 in. closed, per dozen .....**JIFJ** $17.75

No. 1541½ —2 blades, stag handles, brass lined, 4½ in. closed, per dozen .....**AJHJ** $20.00

ONE-HALF DOZEN IN A BOX.

PAGE 1634-12

No. 552 —2 blades, full Crocus polished, stag handles, German silver lined, milled, 2⅞ in. closed, per dozen .....**JIFJ** $17.75

No. 555 —2 blades, full Crocus polished, stag handles, German silver lined, milled, 3 in. closed, per dozen .....**JIIJ** $18.35

No. 556 —2 blades, full Crocus polished, ivoroid handles, German silver lined, milled, 3 in. closed, per dozen .....**JIJJ** $16.65

No. 558 —2 blades, full Crocus polished, stag handles, German silver lined, milled, 3 in. closed, per dozen .....**JIIJ** $18.35

No. 559 —2 blades, full Crocus polished, ivoroid handles, German silver lined, milled, 3 in. closed, per dozen .....**JIJJ** $16.65

No. 727 —3 blades, full Crocus polished, stag handles, German silver lined, 3½ in. closed, per dozen .....**ACHJ** $25.55

PAGE 1634-13

No. 474 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**JGBJ** $13.35

No. 643 —3 blades, full Crocus polished, German silver lined, stag handles, milled, 3 in. closed, per dozen .....**ADDJ** $26.65

No. 719 —3 blades, full Crocus polished, stag handles, brass lined, 3⅛ in. closed, per dozen **ADDJ** $26.65

No. 753 —3 blades, full Crocus polished, stag handles, German silver lined, milled, 2¾ in. closed, per dozen .....**ABJJ** $22.20

No. 796 —3 blades, full Crocus polished, stag handles, brass lined, milled, 3 in. closed, per dozen .....**AJHJ** $20.00

No. 1334 —2 blades, stag handles, German silver lined, milled, 3¼ in. closed .....per dozen **JHAJ** $15.00

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No. 715 —3 blades, full Crocus polished, stag handles, brass lined, milled, 3¼ in. closed, per dozen .....**ABJJ** $22.20

No. 762 —3 blades, full Crocus polished, stag handles, brass lined, milled, 3¼ in. closed, per dozen .....**JIFJ** $17.75

No. 777 —3 blades, full Crocus polished, stag handles, brass lined, 3⅛ in. closed, per dozen **JIJJ** $16.65

No. 830 —4 blades, full Crocus polished, stag handles, brass lined, milled, 3⅛ in. closed, per dozen .....**ABJJ** $22.20

No. 842 —4 blades, full Crocus polished, stag handles, brass lined, milled, 3¼ in. closed, per dozen .....**ADDJ** $26.65

No. 849 —4 blades, full Crocus polished, stag handles, brass lined, milled, 3¼ in. closed, per dozen .....**ABJJ** $22.20

ONE-HALF DOZEN IN A BOX.

PAGE 1634-15

No. 131 —Spatula blade, ebony handles, brass lined, 3½ in. closed, per dozen .....**JEGJ** $10.55

No. 375 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**JGBJ** $13.35

No. 464 —2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen .....**JGBJ** $13.35

No. 464½ —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**JGBJ** $13.35

No. 522 —1 large blade, 1 spatula blade, full Crocus polished, stag handles, brass lined, 3¼ in. closed, per dozen .....**JIJJ** $16.65

No. 755 —3 blades, full Crocus polished, stag handles, brass lined, 3⅝ in closed, per dozen **ABJJ** $22.20

PAGE 1634-16

No. 712 —3 blades, full Crocus polished, stag handles, brass lined, 3⅛ in. closed, per dozen **ABJJ** $22.20

No. 759 —3 blades, full Crocus polished, black buffalo horn handles, brass lined, milled, 3⅛ in. closed, per dozen .....**JIJJ** $16.65

No. 760 —3 blades, full Crocus polished, stag handles, brass lined, milled, 3⅛ in. closed, per dozen .....**JIJJ** $16.65

No. 770 —3 blades, black buffalo horn handles, brass lined, 3¼ in. closed .....per dozen **JIJJ** $16.65

No. 771 —3 blades, stag handles, brass lined, milled, 3⅛ in. closed, per dozen .....**JIJJ** $16.65

No. 792 —3 blades, full Crocus polished, stag handles, German silver lined, 3⅛ in. closed, per dozen .....**AJHJ** $20.00

PAGE 1634-17

No. 152 —Corn Knife, 1 blade, full Crocus polished, ivory handles, German silver lined, 3½ closed, per dozen .....**ABJJ** $22.20

No. 589 —Office Knife, 2 blades, ivoroid handles, brass lined, 3¼ in. closed .....per dozen **JFBJ** $13.35

No. 1376 —2 blades, ivoroid handles, with two German silver saw screw rivets, brass lined, 3¼ in. closed .....per dozen **JEDJ** $10.00

No. 1333 —Office Knife, 1 blade and letter opener, stag handles, brass lined, full length 6 in., per dozen .....**JFCJ** $11.65

PAGE 1634-18

No. 135 —Timber Scribe, glazed, satin finish, and lacquered solid brass handles, 3½ in. closed, per dozen .....**JFJJ** $11.10

No. 162 —1 blade, full Crocus polished, stag handles, with ivory budding or grafting point, brass lined, 4¼ in. closed, per dozen **JIFJ** $17.75

No. 166 —Budding, 1 blade, glazed, stag handles, 4 in. closed, per dozen .....**DHJ** $8.90

No. 1343 —1 blade, glazed, iron handles, 3½ in. closed, per dozen .....**CDJ** $4.45

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-19

No. 116 —1 blade, ebony handles, iron lined, 3¼ in. closed, per dozen ..... CIJ $7.75
No. 147 —1 blade, cocobola handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 149 —1 blade, cocobola handles, iron lined, 3⅝ in. closed, per dozen ..... BDJ $4.45
No. 207 —2 blades,, glazed, cocobola handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 1101 —1 blade, German silver handles, 2⅞ in. closed, per dozen ..... BDJ $4.45
No. 1399 —2 blades, glazed, stag handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 1400 —2 blades, glazed, stag handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45

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No. 102 —1 blade, glazed, iron handles, 3⅜ in. closed, per dozen ..... BDJ $4.45
No. 104 —1 blade, glazed, cocobola handles, iron lined, 3⅜ in. closed, per dozen ..... BDJ $4.45
No. 108 —1 blade, glazed, cocobola handles, iron lined, 2⅞ in. closed, per dozen ..... AEJ $2.75
No. 165 —1 blade, glazed, iron handles, 3⅛ in. closed, per dozen ..... BDJ $4.45
No. 202 —2 blades, glazed, iron handles, 3⅛ in. closed, per dozen ..... CIJ $7.25
No. 342 —2 blades, glazed, cocobola handles, iron lined, 3⅛ in. closed, per dozen ..... CFJ $6.65
No. 479 —2 blades, cocobola handles, iron lined, 3⅛ in. closed, per dozen ..... DHJ $8.90

PAGE 1634-21

No. 105 —1 blade, glazed, stag handles, brass lined, 3 in. closed, per dozen ..... BDJ $4.45
No. 107 —1 blade, glazed, stag handles, brass lined, 3¼ in. closed, 24 in. nickel plated chain, per dozen ..... BDJ $4.45
No. 1386 —2 blades, ebony handles, brass lined, 3¼ in. closed, 24 in. nickel plated chain, per dozen ..... DHJ $8.90
No. 1387 —2 blades, stag handles, brass lined, 3¼ in. closed, 24 in. nickel plated chain, per dozen ..... DHJ $8.90
No. 2200 —2 blades, cocobola handles, iron lined, 3¼ in. closed, per dozen ..... DHJ $8.90

PAGE 1634-22

No. 231 —2 blades, glazed, cocobola handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45
No. 232 —2 blades, glazed, ebony handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45
No. 238½ —2 blades, glazed, stag handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 279 —2 blades, glazed, cocobola handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45

ONE-HALF DOZEN IN A BOX.

PAGE 1634-23

No. 1402 —2 blades, glazed, ebony handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45
No. 1403 —2 blades, glazed, ebony handles, iron lined, 3¼ in. closed, per dozen ..... BDJ $4.45

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No. 148 —1 blade, cocobola handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 208 —2 blades, glazed, cocobola handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 224 —2 blades, glazed, stag handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 233 —2 blades, glazed, cocobola handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 237½ —2 blades, glazed, stag handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45
No. 255 —2 blades, glazed, ebony handles, iron lined, 3½ in. closed, per dozen ..... BDJ $4.45

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No. 210 —2 blades, glazed, ebony handles, iron lined, 3½ in. closed, per dozen ..... DEJ $8.35
No. 220 —2 blades, cocobola handles, iron lined, 3½ in. closed, per dozen ..... DEJ $8.35
No. 221 —2 blades, cocobola handles, iron lined, 3½ in. closed, per dozen ..... DEJ $8.35
No. 590 —2 blades, cocobola handles, iron lined, 3½ in. closed, per dozen ..... DBJ $7.75
No. 592 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 597 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... DBJ $7.75

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No. 1405 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90
No. 1406 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90
No. 1407 —2 blades, stag handles, brass lined, 2⅞ in. closed, per dozen ..... DHJ $8.90
No. 1408 —2 blades, stag handles, brass lined, 2⅞ in. closed, per dozen ..... DHJ $8.90
No. 1418 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 1419 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90

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No. 1411 —2 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... DHJ $8.90
No. 1412 —2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JGBJ $13.35
No. 1413 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen ..... DHJ $8.90
No. 1414 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen ..... DHJ $8.90

ONE-HALF DOZEN IN A BOX.

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No. 229 —2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90
No. 277 —2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90
No. 278 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90
No. 487½ —2 blades, white bone handles, brass lined, 3½ in. closed, per dozen ..... JFJJ $11.10
No. 591 —2 blades, stag handles, iron lined, 3½ in. closed, per dozen ..... DBJ $7.75
No. 2300 —2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90

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No. 488½ —2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 594 —2 blades, cocobola handles, brass lined, 3⅜ in. closed, per dozen ..... DHJ $8.90
No. 595 —2 blades, cocobola handles, brass lined, 3⅜ in. closed, per dozen ..... DHJ $8.90
No. 596 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90
No. 598 —2 blades, rosewood handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90
No. 1336 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90

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No. 524 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 525 —2 blades, ebony handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 526 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 1057 —2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90
No. 1058 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90
No. 1331 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

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No. 1056 —2 blades, stag handles, iron lined, 3⅛ in. closed, per dozen ..... DHJ $8.90
No. 1188 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 1337 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 1338 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90
No. 1341 —2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90
No .1342 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-31

No. 298 —2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen .....DHJ $8.90

No. 1060 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....DHJ $8.90

No. 1330 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen .....DHJ $8.90

No. 1339 —2 blades, ebony handles, brass lined, 3½ in. closed, per dozen .....DHJ $8.90

No. 1340 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....DHJ $8.90

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No. 210½ —2 blades, glazed, white bone handles, iron lined, 3½ in. closed .....per dozen DHJ $8.90

No. 267 —2 blades, white bone handles, iron lined, 3¾ in. closed, per dozen .....DHJ $8.90

No. 593 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....DHJ $8.90

No. 1051 —2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen .....DHJ $8.90

No. 1055 —2 blades, stag handles, brass lined, 3¾ in. closed, per dozen .....DHJ $8.90

No. 1059 —2 blades, cocobola handlse, brass lined, 3¼ in. closed, per dozen .....DHJ $8.90

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No. 321 —2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....JFIJ $12.80

No. 322 —2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....JFIJ $12.80

No. 323 —2 blades, stag handles, brass lined, 3⅛ closed, per dozen .....JGBJ $13.35

No. 521 —2 blades, stag handles, brass lined 3½ in. closed, per dozen .....JGBJ $13.35

No. 1097 —2 blades, stag handles, brass lined, 2¾ in. closed, per dozen .....DHJ $8.90

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No. 356 —Spear, 2 blades, stag handles, iron lined, 3½ in. closed, per dozen .....DEJ $8.35

No. 357 —Clip, 2 blades, stag handles, iron lined, 3½ in. closed, per dozen .....DEJ $8.35

No. 358 —Razor, 2 blades, stag handles, iron lined, 3½ in. closed, per dozen .....DEJ $8.35

No. 359 —Spey, 2 blades, stag handles, iron lined, 3½ in. closed, per dozen .....DEJ $8.35

No. 1210 —2 blades, German silver handles, 3½ in. closed, per dozen .....DHJ $8.90

No. 1300 —2 blades, German silver handles, 3¾ in. closed, per dozen .....DHJ $8.90

PAGE 1634-35

No. 314 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....JFJJ $11.10

No. 1039 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....DHJ $8.90

ONE-HALF DOZEN IN A BOX.

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No. 1045 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....DHJ $8.90

No. 1088 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....DHJ $8.90

No. 1107 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....JFDJ $10.00

No. 1316 —2 blades, ebony handles, brass lined, 3 in. closed, per dozen .....DHJ $8.90

No. 1317 —2 blades, stag handles, brass lined, 3 in. closed, per dozen .....DHJ $8.90

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No. 473 —2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....JGBJ $13.35

No. 1040 —2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....DHJ $8.90

No. 1041 —2 blades, black buffalo horn handles, brass lined, 3⅛ in. closed .....per dozen DHJ $8.90

No. 1042 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....DHJ $8.90

No. 1043 —2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....DHJ $8.90

No. 1044 —2 blades, black buffalo horn handles, brass lined, 3¼ in. closed .....per dozen DHJ $8.90

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No. 226 —2 blades, ebony handles, brass lined, 3⅞ in. closed, per dozen .....JGBJ $13.35

No. 274 —2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

No. 276 —2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

No. 477 —2 blades, full Crocus polished, cocobola handles, brass lined, 3⅞ in. closed, per dozen .....JGBJ $13.35

No. 502 —2 blades, full Crocus polished, ebony handles, brass lined, 3⅝ in. closed, per dozen JFGJ $12.45

No. 503 —2 blades, full Crocus polished, white bone handles, brass lined, 3⅝ in. closed, per dozen .....JGEJ $13.90

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No. 213 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen .....JFIJ $12.80

No. 214 —2 blades, ebony handles, brass lined, 3½ in. closed, per dozen .....JFIJ $12.80

No. 215 —2 blades, white bone handles, brass lined, 3½ in. closed, per dozen .....JGBJ $13.35

No. 227 —2 blades, cocobola handles, iron lined, 3½ in. closed, per dozen .....DHJ $8.90

No. 420 —2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen .....JFFJ $12.20

No. 421 —2 blades, ebony handles, brass lined, 3½ in. closed, per dozen .....JFFJ $12.20

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No. 374 —2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

ONE-HALF DOZEN IN A BOX.

PAGE 1634-39—Cont'd.

No. 416 —2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

No. 417 —2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

No. 470 —2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....JGBJ $13.35

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No. 304 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 350 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 352 —2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 471 —2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

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No. 250 —2 blades, stag handles, iron lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 295 —2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....JFFJ $11.10

No. 308 —2 blades, white bone handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 369 —2 blades, cocobola handles, brass lined, 4 in. closed, per dozen .....JGBJ $13.35

No. 372 —2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

PAGE 1634-42

No. 252 —2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....JFFJ $12.20

No. 253 —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....JGBJ $13.35

No. 327 —2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 328 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 406 —2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

No. 407 —2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....JGBJ $13.35

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No. 461½ —2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....JFFJ $12.20

No. 540 —2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen .....JFIJ $12.80

No. 541 —2 blades, stag handles, brass lined, 3⅜ in. closed, per dozen .....JGBJ $13.35

No. 542 —2 blades, white bone handles, brass lined, 3¼ in. closed, per dozen .....JGBJ $13.35

No. 546 —2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....JGBJ $13.35

No. 547½ —2 blades, white bone handles, brass lined, 3½ in. closed, per dozen .....JHDJ $15.55

ONE-HALF DOZEN IN A BOX.

OUR LEADER POCKET KNIVES.

OUR LEADER POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-44

No. 291 OUR LEADER—2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 291½ OUR LEADER—2 blades, ebony handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 292 OUR LEADER—2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 294 OUR LEADER—2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 579 OUR LEADER—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... **JGBJ** $13.35

No. 1000 OUR LEADER—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

PAGE 1634-45

No. 432 OUR LEADER—2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 434½ OUR LEADER—2 blades, white bone handles, brass lined, 3½ in. closed, per dozen ..... **JGBJ** $13.35

No. 496 OUR LEADER—2 blade, cocobola handles brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

No. 497 OUR LEADER—2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

No. 498 OUR LEADER—2 blades, white bone handles, brass lined, 3¼ in. closed, per dozen ..... **JIJJ** $16.65

No. 499 OUR LEADER—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

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No. 469 OUR LEADER—2 blades, full Crocus polished, stag handles, brass lined, 3½ in. closed, per dozen **JGBJ** $13.35

No. 500 OUR LEADER—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

No. 1047 OUR LEADER—2 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... **JGBJ** $13.35

No. 1048 OUR LEADER—2 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... **JGBJ** $13.35

No. 1329 OUR LEADER—2 blades, cocobola handles, brass lined, 3⅜ in. closed, per dozen ..... **JGBJ** $13.35

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No. 561 OUR LEADER—2 blades, stag handles, iron lined, 4⅛ in. closed, per dozen ..... **JIFJ** $17.75

No. 1046 OUR LEADER—2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... **JIJJ** $16.65

No. 1100 OUR LEADER—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JGBJ** $13.35

No. 1315 OUR LEADER—2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... **JIFJ** $17.75

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No. 580 OUR LEADER—2 blades, stag handles, brass lined, 4⅝ in. closed, per dozen ..... **JHDJ** $15.55

No. 581 OUR LEADER—2 blades, stag handles, brass lined, 4⅝ in. closed, per dozen ..... **JIJJ** $16.65

No. 1189 OUR LEADER—Spear, 2 blades, stag handles, brass lined, 4⅛ in. closed, per dozen ..... **JGHJ** $14.45

No. 1190 OUR LEADER—Clip, 2 blades, stag handles, brass lined, 4⅛ in. closed, per dozen ..... **JGHJ** $14.45

ONE-HALF DOZEN IN A BOX.

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No. 606 OUR LEADER—3 blades, cocobola handles, iron lined, 3⅝ in. closed, per dozen ..... **JHHJ** $16.35

No. 651½ OUR LEADER—3 blades, stag handles, iron lined, 3⅝ in. closed, per dozen ..... **JHDJ** $15.55

No. 684 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIJJ** $16.65

No. 1091 OUR LEADER—3 blades, black buffalo horn handles, brass lined, 3¾ in. closed .....per dozen **JIJJ** $16.65

No. 1092 OUR LEADER—3 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... **JIJJ** $16.65

PAGE 1634-50

No. 654 OUR LEADER—3 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 680 OUR LEADER—3 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JIJJ** $16.65

No. 684½ OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIJJ** $16.65

No. 685 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 767½ OUR LEADER—3 blades, white bone handles, brass lined, 3½ in. closed, per dozen ..... **JIFJ** $17.75

PAGE 1634-51

No. 653 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 764 OUR LEADER—3 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... **JIJJ** $16.65

No. 765 OUR LEADER—3 blades, ebony handles, brass lined, 3½ in. closed, per dozen ..... **JIJJ** $16.65

No. 766 OUR LEADER—3 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... **JIJJ** $16.65

No. 773 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

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No. 691 OUR LEADER—3 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... **ADDJ** $26.65

No. 724 OUR LEADER—3 blades, full Crocus polished, stag handles, brass lined, 4¼ in. closed, per dozen **ADDJ** $26.65

No. 749 OUR LEADER—3 blades, full Crocus polished, stag handles, brass lined, 3⅝ in. closed, per dozen **AJHJ** $20.00

PAGE 1634-53

No. 393 OUR LEADER—2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen ..... **JGBJ** $13.35

No. 394 OUR LEADER—2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JGBJ** $13.35

No. 702 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 718 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 794 OUR LEADER—3 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 1344 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

ONE-HALF DOZEN IN A BOX.

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No. 605 OUR LEADER—3 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen ..... **JIDJ** $17.45

No. 666 OUR LEADER—3 blades, ebony handles, brass lined, 3¼ in. closed, per dozen ..... **JIFJ** $17.75

No. 667 OUR LEADER—3 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 1332 OUR LEADER—2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JGBJ** $13.35

No. 1384 OUR LEADER—2 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JGHJ** $14.45

PAGE 1634-55

No. 599 OUR LEADER—2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIJJ** $16.65

No. 782 OUR LEADER—3 blades, black buffalo horn handles, brass lined, 3⅝ in. closed .....per dozen **AADJ** $21.10

No. 783 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **AJHJ** $20.00

No. 784 OUR LEADER—3 blades, white bone handles, brass lined, 3⅝ in. closed, per dozen ..... **ABFJ** $23.30

No. 798 OUR LEADER—3 blades, ebony handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

No. 1030 OUR LEADER—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **JIFJ** $17.75

PAGE 1634-56

No. 527 OUR LEADER—Lock back, 2 blades, full Crocus polished, stag handles, brass lined, 3¼ in. closed, per dozen ..... **ACEJ** $25.00

No. 751 OUR LEADER—3 blades, full Crocus polished, brass lined, 3¼ in. closed, per dozen ..... **AADJ** $21.10

No. 757 OUR LEADER—Lock back, 3 blades, full Crocus polished, stag handles, German silver lined, milled, 3¼ in. closed .....per dozen **AHJJ** $33.30

No. 682 OUR LEADER—3 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JIFJ** $17.75

No. 1171 OUR LEADER—3 blades, genuine stag handles, brass lined, 3¼ in. closed, per dozen ..... **ABFJ** $23.30

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No. 707 OUR LEADER—3 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... **JIFJ** $17.75

No. 840 OUR LEADER—4 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... **ABFJ** $23.30

No. 859 OUR LEADER—4 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... **ABAJ** $26.10

No. 1125 OUR LEADER—4 blades, stag handles, brass lined, 3⅞ in. closed, per dozen ..... **ABFJ** $23.30

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No. 695 OUR LEADER—3 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... **JIJJ** $16.65

No. 695½ OUR LEADER—3 blades, white bone handles, brass lined, 3½ in. closed, per dozen ..... **AJHJ** $20.00

No. 696 OUR LEADER—3 blades, ebony handles, brass lined, 3½ in. closed, per dozen ..... **JIJJ** $16.65

No. 696½ OUR LEADER—3 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... **JIFJ** $17.75

No. 705 OUR LEADER—3 blades, ebony handles, brass lined, 3⅞ in. closed, per dozen ..... **JIFJ** $17.75

ONE-HALF DOZEN IN A BOX.

OVB POCKET KNIVES.

OVB POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-59

No. 630 OVB—3 blades, full Crocus polished, stag handles, brass lined, milled, 4 in. closed,
per dozen .....**ABFJ** $23.30

No. 630½ OVB—3 blades, full Crocus polished, stag handles, brass lined, 4 in closed, per dozen **ABFJ** $23.30

No. 650 OVB—3 blades, ebony handles, brass lined, milled, 4 in. closed, per dozen .....**JIFJ** $17.75

No. 1319 OVB—3 blades, full Crocus polished, stag handles, German silver lined, milled, 3½ in. closed, per dozen .....**ABFJ** $23.30

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No. 632 OVB—3 blades, full Crocus polished, stag handles, brass lined, milled, 4 in. closed,
per dozen .....**ABFJ** $23.30

No. 633 OVB—3 blades, full Crocus polished, stag handles, brass lined, milled, 4 in. closed,
per dozen .....**ABFJ** $23.30

No. 648 OVB—3 blades, full Crocus polished, stag handles, German silver lined, milled, 4 in. closed,
per dozen .....**ADDJ** $26.65

No. 655 OVB—3 blades, full Crocus polished, stag handles, German silver lined, milled, 3½ in. closed,
per dozen .....**ABFJ** $23.30

No. 655½ OVB—3 blades, full Crocus polished, stag handles, German silver lined, milled, 3½ in. closed,
per dozen .....**ABFJ** $23.30

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No. 624 OVB—3 blades, stag handles, brass lined, 3¼ in. closed,
per dozen .....**JIJJ** $16.65

No. 636 OVB—3 blades, stag handles, brass lined, 3¼ in. closed,
per dozen .....**JIFJ** $17.75

No. 637 OVB—3 blades, stag handles, brass lined, milled, 3⅜ in. closed,
per dozen .....**ABJJ** $22.20

No. 638 OVB—3 blades, stag handles, brass lined, milled, 3⅜ in. closed,
per dozen .....**AADJ** $21.10

No. 1318 OVB—3 blades, stag handles, brass lined, milled, 3½ in. closed,
per dozen .....**JIFJ** $17.75

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No. 631 OVB—3 blades, stag handles, brass lined, 4 in. closed,
per dozen .....**JIFJ** $17.75

No. 838 OVB—4 blades, full Crocus polished, stag handles, German silver lined, milled, 3⅜ in. closed,
per dozen .....**ADDJ** $26.65

No. 857 OVB—4 blades, full Crocus polished, stag handles, German silver lined, milled, 4 in. closed,
per dozen .....**ADDJ** $26.65

No. 1321 OVB—4 blades, full Crocus polished, stag handles, German silver lined, milled, 3½ in. closed,
per dozen .....**ADAJ** $26.10

ONE-HALF DOZEN IN A BOX.

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No. 639 OVB—3 blades, stag handles, brass lined, 4 in. closed,
per dozen .....**JIFJ** $17.75

No. 687 OVB—3 blades, stag handles, brass lined, 4 in. closed,
per dozen .....**JIFJ** $17.75

No. 706 OVB—3 blades, stag handles, brass lined, 3⅞ in. closed,
per dozen .....**JIFJ** $17.75

No. 743 OVB—3 blades, stag handles, brass lined, 4 in. closed,
per dozen .....**JIFJ** $17.75

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No. 228 OVB—2 blades, stag handles, iron lined, 4 in. closed,
per dozen .....**JGHJ** $14.45

No. 570 OVB—2 blades, stag handles, brass lined, 3 in. closed,
per dozen .....**DHJ** $8.90

No. 736 OVB—3 blades, full Crocus polished, stag handles, brass lined, 3 in. closed, per dozen **JIJJ** $16.65

No. 763 OVB—3 blades, full Crocus polished, stag handles, brass lined, 3½ in. closed, per dozen **JIFJ** $17.75

No. 1023 OVB—2 blades, stag handles, brass lined, 3½ in. closed,
per dozen .....**JDHJ** $11.10

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No. 379 OVB—2 blades, stag handles, brass lined, 3⅜ in. closed,
per dozen .....**DHJ** $8.90

No. 548 OVB—2 blades, stag handles, brass lined, 3½ in. closed,
per dozen .....**DHJ** $8.90

No. 827 OVB—4 blades, stag handles, brass lined, milled, 3⅜ in. closed,
per dozen .....**JIJJ** $16.65

No. 839 OVB—4 blades, stag handles, brass lined, milled, 3 in. closed,
per dozen .....**JGBJ** $13.35

No. 844 OVB—4 blades, stag handles, brass lined, milled, 3⅜ in. closed,
per dozen .....**JIJJ** $16.65

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No. 562 OVB—2 blades, stag handles, brass lined, 3⅜ in. closed,
per dozen .....**JEDJ** $10.00

No. 828 OVB—4 blades, stag handles, brass lined, 3⅜ in. closed,
per dozen .....**JIFJ** $17.75

No. 845 OVB—4 blades, stag handles, brass lined, 3½ in. closed,
per dozen .....**JIJJ** $16.65

No. 847 OVB—4 blades, stag handles, brass lined, 4⅛ in. closed,
per dozen .....**AJHJ** $20.00

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No. 128 OVB—1 blade, glazed, cocobola handles, iron lined, 4 in. closed,
per dozen .....**DHJ** $8.90

No. 129 OVB—1 blade, glazed, cocobola handles, iron lined, 4½ in. closed
per dozen .....**JGHJ** $14.45

No. 164 OVB—1 blade,glazed, stag handles, iron lined, 4½ in. closed,
per dozen .....**JIJJ** $16.65

ONE-HALF DOZEN IN A BOX.

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No. 144 OVB—1 blade, glazed, cocobola handles, iron lined, 5⅛ in. closed,
per dozen .....**JGHJ** $14.45

No. 167 OVB—Cotton Sampling, 1 blade, glazed, cocobola handles, iron lined, 4½ in. closed,
per dozen .....**JFJJ** $11.10

No. 1385 OVB—Navy, 1 blade, glazed, stag handles, brass lined, 4½ in. closed, has heavy brass swivel ring to attach to key chain,
per dozen .....**JEGJ** $10.55

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No. 127 OVB—Lock Back, 1 blade, Crocus polished, cocobola handles, brass lined, 4½ in. closed,
per dozen .....**AJHJ** $20.00

No. 143 OVB—Lock Back, 1 blade, full Crocus polished, stag handles, brass lined, 4½ in. closed,
per dozen .....**JIFJ** $17.75

No. 156 OVB—Lock Back, 1 blade, Crocus polished, stag handles, brass lined, 5½ in. closed,
per dozen .....**AFBJ** $30.00

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No. 145 OVB—1 blade, glazed, cocobola handles, iron lined, 5½ in. closed .....per dozen **JHDJ** $15.55

No. 146 OVB—1 blade, glazed, stag handles, iron lined, 5½ in. closed,
per dozen .....**JIJJ** $16.65

No. 1377 OVB—1 blade, stag handles, iron lined, 4 in. closed, has heavy German silver toggle to attach to key chain .....per dozen **JEDJ** $10.00

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No. 2597-P OVB—Spear, 2 blades, genuine buck horn handles, iron lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2598-P OVB—Clip, 2 blades, genuine buck horn handles, iron lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2599-P OVB—Spey, 2 blades, genuine buck horn handles, iron lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2600-P OVB—Razor, 2 blades, genuine buck horn handles, iron lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2601-P OVB—Sheep Foot, 2 blades, genuine buck horn handles, iron lined, 3⅛ in. closed, per dozen **DHJ** 8.90

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No. 2546-P OVB—Spear, 2 blades, genuine buck horn handles, iron lined, 3¼ in. closed, per dozen **JEDJ** $10.00

No. 2547-P OVB—Clip, 2 blades, genuine buck horn handles, iron lined, 3¼ in. closed, per dozen **JEDJ** $10.00

No. 2548-P OVB—Razor, 2 blades, genuine buck horn handles, iron lined, 3¼ in. closed, per dozen **JEDJ** $10.00

No. 2584-P OVB—1 long clip and one long spey blade, genuine buck horn handles, iron lined, 3¾ in. closed, per dozen .....**JEDJ** $10.00

ONE-HALF DOZEN IN A BOX.

REVONOC POCKET KNIVES.

REVONOC POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

PAGE 1634-73

No. 1544-P REVONOC—3 blades, finest quality pearl handles, brass lined, 3⅛ in. closed .....per dozen **ADDJ** $26.65

No. 1566-P REVONOC—3 blades, finest quality pearl handles, brass lined, 3⅛ in. closed .....per dozen **AECJ** $28.30

No. 2555-P REVONOC—2 blades, finest quality pearl handles, brass ilned, 3 in. closed .....per dozen **JIFJ** $17.75

No. 2702-P REVONOC—3 blades, pearl handles, brass lined, 3 in. closed, per dozen .....**AJHJ** $20.00

No. 2703-P REVONOC—4 blades, pearl handles, brass lined, 3 in. closed, per dozen .....**AJHJ** $20.00

No. 2704-P REVONOC—2 blades, finest quality pearl handles, brass lined, 3½ in. closed .....per dozen **AFBJ** $30.00

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No. 1711-P REVONOC—2 blades, stag handles, brass lined, 3 in. closed, per dozen .....per dozen **CFJ** $6.65

No. 1712-P REVONOC—2 blades, stag handles, brass lined, 3 in. closed, per dozen .....**CFJ** $6.65

No. 1736-P REVONOC—2 blades, glazed, stag handles, iron lined, 3½ in. closed, per dozen .....**BDJ** $4.45

No. 1737-P REVONOC—2 blades, glazed, stag handles, iron lined, 3⅜ in. closed, per dozen .....**BDJ** $4.45

No. 1738-P REVONOC—2 blades, glazed, stag handles, iron lined, 3⅛ in. closed, per dozen .....**BDJ** $4.45

No. 2573-P REVONOC—2 blades, glazed, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

PAGE 1634-75

No. 2551-P REVONOC—2 blades, heavily nickel plated steel handles, brass lined, 3½ in. closed, per dozen .....**DEJ** $8.35

No. 2586-P REVONOC—Plasterers', two cutting edges, 1 blade, cocobola handles, iron lined, 3⅝ in. closed, per dozen .....**JGBJ** $13.35

No. 2595-P REVONOC—Lock Back, 1 blade, stag handles, iron lined, 4⅝ in. closed, per dozen .....**JGHJ** $14.45

No. 2629-P REVONOC—Ring Opener, 2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen **JIFJ** $17.75

No. 2653-P REVONOC—2 blades, German silver handles, brass lined, 3½ in. closed .....per dozen **DHJ** $8.90

No. 2700-P REVONOC—2 blades, cocobola handles, brass lined, 3¼ in. closed, 20 in. nickel plated chain, per dozen .....**DHJ** $8.90

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No. 1709-P REVONOC—Easy Opener, 2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 1710-P REVONOC—Easy Opener, 2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2545-P REVONOC—Easy Opener, 2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen **DHJ** $8.90

No. 2686-P REVONOC—Easy Opener, 2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen **DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

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No. 1720-P REVONOC—Easy Opener, 2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen **JFJJ** $11.10

No. 1721-P REVONOC—Easy Opener, 2 blades, stag handles, brass lined, 3¾ in. closed, per dozen **JEGJ** $10.55

No. 2544-P REVONOC—Easy Opener, 2 blades, cocobola handles, brass lined, 3⅝ in. closed, per dozen **DHJ** $8.90

No. 2685-P REVONOC—Easy Opener, 2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen **DHJ** $8.90

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No. 1705½-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2556-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2557-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2558-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2559-P REVONOC—2 blades, stag handles, bras lined, 3¼ in. closed, per dozen .....**DHJ** 08.90

No. 2572-P REVONOC—2 blades. stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

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No. 1729-P REVONOC—2 blades,, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 1730-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2640-P REVONOC—3 blades, stag handles, brass lined, 3⅜ in. closed, per dozen .....**JGBJ** $13.35

No. 2643-P REVONOC—2 blades, stag handles, brass lined, 3⅜ in. closed, per dozen .....**DHJ** $8.90

No. 2644-P REVONOC—2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2645-P REVONOC—2 blades, cocobola handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

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No. 1482-P REVONOC—2 blades, stag handles, brass lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 1715-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 1734-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....**JFCJ** $11.65

No. 2630-P REVONOC—2 blades, cocobola handles, brass lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 2687-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, per dozen .....**DHJ** $8.90

No. 2688-P REVONOC—2 blades, Cocobola handles, brass lined, 3½ in. closed, per dozen .....**DHJ** $8.90

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No. 2542-P REVONOC—2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2543-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**EAJ** $9.45

ONE-HALF DOZEN IN A BOX.

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No. 2674-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2680-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2681-P REVONOC—2 blades, cocobola handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2682-P REVONOC—2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

PAGE 1634-82

No. 2574½-P REVONOC—Office, 2 blades, ivoroid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 2635-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, has large German silver saw screw rivets, per dozen .....**DHJ** $8.90

No. 2636-P REVONOC—2 blades, ivoroid handles, brass lined, 3½ in. closed, has large German silver saw screw rivets .....per dozen **DHJ** $8.90

No. 2652-P REVONOC—4 blades, stag handles, brass lined, 3⅜ in. closed, per dozen .....**JGBJ** $13.35

No. 2661-P REVONOC—3 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**JGBJ** $13.35

No. 2665-P REVONOC—3 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**JGBJ** $13.35

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No. 2554-P REVONOC—2 blades, stag handles, brass lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 2576-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2589-P REVONOC—2 blades, ebony handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 2591-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2637-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**CFJ** $6.65

No. 2677-P REVONOC—2 blades. stag han, dles brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2693-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

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No. 2577-P REVONOC—2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....**DHJ** $8.90

No. 2592-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2593-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2647-P REVONOC—2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen .....**DHJ** $8.90

No. 2675-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen .....**DHJ** $8.90

No. 2678-P REVONOC—2 blades. stag handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

REVONOC POCKET KNIVES.

REVONOC POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE NOT OTHERWISE SPECIFIED.

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No. 1713-P REVONOC—2 blades, ebony handles, brass lined, 4 in. closed, per dozen ..... DHJ $8.90

No. 1714-P REVONOC—2 blades, stag handles, iron lined, 4 in. closed, per dozen ..... DHJ $8.90

No. 1728-P REVONOC—2 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... DHJ $8.90

No. 1731-P REVONOC—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... JHAJ $15.00

No. 1732-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

No. 1733-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

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No. 1716-P REVONOC—2 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... DHJ $8.90

No. -1717-P REVONOC—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... JHGJ $16.10

No. 1723-P REVONOC—2 blades, stag handles, brass lined, 3⅞ in. closed, per dozen ..... JGHJ $14.45

No. 1735-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... JFIJ $13.80

No. 2691-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

No. 2692-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... DHJ $8.90

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No. 2621-P REVONOC—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... JFFJ $12.20

No. 2622-P REVONOC—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... JFFJ $12.20

No. 2623-P REVONOC—2 blades, stag handles, brass lined, 4¼ in. closed, per dozen ..... JFFJ $12.20

No. 2648-P REVONOC—2 blades, stag handles, brass lined, 4½ in. closed, per dozen ..... JFJJ $11.10

No. 2649-P REVONOC—2 blades, stag handles, brass lined, 4½ in. closed, per dozen ..... JFJJ $11.10

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No. 2608-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 4 in. closed, per dozen ..... JGHJ $14.45

No. 2609-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 3⅝ in. closed, per dozen ..... JGHJ $14.45

No. 2610-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 3¾ in. closed, per dozen ..... JGHJ $14.45

No. 2611-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 3⅜ in. closed, per dozen ..... JGHJ $14.45

No. 2613-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 3½ in. closed, per dozen ..... JGBJ $13.35

ONE-HALF DOZEN IN A BOX.

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No. 2552-P REVONOC—2 blades, ebony handles, brass lined, 3¼ in. closed, per dozen ..... JEGJ $10.55

No. 2553-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... JFJJ $11.10

No. 2581-P REVONOC—2 blades, ebony handles, brass lined, 3½ in. closed, per dozen ..... JEDJ $10.00

No. 2582-P REVONOC—2 blades, cocobola handles, brass lined, 3½ in. closed, per dozen ..... JEDJ $10.00

No. 2583-P REVONOC—2 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... JEDJ $10.00

No. 2612-P REVONOC—2 blades, genuine African buffalo horn handles, brass lined, 3½ in. closed, per dozen ..... JGBJ $13.35

PAGE 1634-90

No. 1724-P REVONOC—2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JFFJ $12.20

No. 1725-P REVONOC—1 long clip blade and 1 long spear blade, stag handles, brass lined, 4 in. closed, per dozen ..... JGBJ $13.35

No. 1726-P REVONOC—1 long clip blade and 1 long spear blade, stag handles, brass lined, 4 in. closed, per dozen ..... JGBJ $13.35

No. 2580-P REVONOC—1 long clip blade and 1 long spey blade, stag handles, brass lined, 3¾ in. closed, per dozen ..... JGBJ $13.35

No. 2646-P REVONOC—1 long clip blade and 1 long spear blade, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

No. 2666-P REVONOC—1 long clip blade and 1 long spear blade, stag handles, brass lined, 3⅞ in. closed, per dozen ..... JGBJ $13.35

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No. 1542-P REVONOC—3 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... JIJJ $16.65

No. 2549-P REVONOC—2 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... DHJ $8.90

No. 2676-P REVONOC—2 blades, stag handles, brass lined, 3⅞ in. closed, per dozen ..... DHJ $8.90

No. 2683- REVONOC—3 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... JGBJ $13.35

No. 2695-P REVONOC—2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JFFJ $12.20

No. 2701-P REVONOC—2 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JFCJ $11.65

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No. 1565-P REVONOC—3 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... JIFJ $17.75

No. 1722-P REVONOC—3 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JIFJ $17.75

No. 2651-P REVONOC—3 blades, stag handles, brass lined, 3⅞ in. closed, per dozen ..... JHAJ $15.00

No. 2698-P REVONOC—3 blades, stag handles, brass lined, 4 in. closed, per dozen ..... JHGJ $16.10

ONE-HALF DOZEN IN A BOX.

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No. 2699-P REVONOC—3 blades, stag handles, brass lined, 3½ in. closed, per dozen ..... JGBJ $13.35

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No. 1718-P REVONOC—3 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... JIFJ $17.75

No. 1719-P REVONOC—1 large clip blade and 1 long spey blade, stag handles, brass lined, 3¾ in. closed, per dozen ..... JGBJ $13.35

No. 2694-P REVONOC—2 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... JFFJ $12.20

No. 2696-P REVONOC—3 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... JICJ $17.20

No. 2697-P REVONOC—3 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... JICJ $17.20

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No. 1708-P REVONOC—3 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... JGBJ $13.35

No. 1708½-P REVONOC—3 blades, stag handles, brass lined, 3⅜ in. closed, per dozen ..... JGBJ $13.35

No. 1727-P REVONOC—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... JICJ $17.20

No. 2606-P REVONOC—3 blades, genuine African buffalo horn handles, brass lined, 3¼ in. closed, per dozen ..... AJBJ $18.85

No. 2684-P REVONOC—3 blades, stag handles, brass lined, 3⅝ in. closed, per dozen ..... JGBJ $13.35

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No. 2641-P REVONOC—2 blades, stag handles, brass lined, 4½ in. closed, per dozen ..... DHJ $8.90

No. 2642-P REVONOC—2 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... DHJ $8.90

No. 2650-P REVONOC—4 blades, stag handles, brass lined, 3¼ in. closed, per dozen ..... JGBJ $13.35

No. 2656-P REVONOC—4 blades, stag handles, brass lined, 4⅛ in. closed, per dozen ..... JHAJ $15.00

No. 2679-P REVONOC—2 blades, stag handles, brass lined, 3¾ in. closed, per dozen ..... DHJ $8.90

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No. 1483-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 3 in. closed .....per dozen DHJ $8.90

No. 1518-P REVONOC—2 blades, shell celluloid handles, brass lined, 2¾ in. closed .....per dozen DHJ $8.90

No. 1522-P REVONOC—2 blades, shell celluloid handles, brass lined, 3 in. closed, per dozen ..... DHJ $8.90

No. 1522½-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3 in. closed .....per dozen DHJ $8.90

No. 1536-P REVONOC—2 blades, ebony celluloid handles, brass lined, 2¾ in. closed .....per dozen DHJ $8.90

No. 2631-P REVONOC—2 blades, shell celluloid handles, brass lined, 3 in. closed, per dozen ..... DHJ $8.90

No. 2634-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 3 in. closed .....per dozen JEGJ $10.55

ONE-HALF DOZEN IN A BOX.

REVONOC POCKET KNIVES.

REVONOC POCKET KNIVES MADE BY AMERICAN WORKMEN. FULLY WARRANTED. BLADES OF THE FINEST ENGLISH CRUCIBLE STEEL. HAND TEMPERED. SHARPENED READY FOR USE. IN WHETTING HOLD AT AN ANGLE OF 18 DEGREES ON AN OIL STONE, NOT A GRIND STONE. FRONT SIDE OF LARGE BLADES CROCUS POLISHED WHERE FINISH IS NOT OTHERWISE SPECIFIED.

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No. 1524-P REVONOC—2 blades, shell celluloid handles, brass lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 1524½-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

No. 1537½-P REVONOC—2 blades, ebony celluoid handles, brass lined, 2¾ in. closed .....per dozen **DHJ** $8.90

No. 1557-P REVONOC—2 blades, shell celluloid handles, brass lined, 3 in. closed, per dozen ..... **DHJ** $8.90

No. 1559-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

No. 2614-P REVONOC—2 blades, cocobola celluloid handles, brass lined, 3⅛ in. closed .....per dozen **DHJ** $8.90

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No. 1476-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1477-P REVONOC—2 blades, green or olive agate celluloid handles, brass lined, 3⅛ in. closed, per dozen .....**DHJ** $8.90

No. 1480-P REVONOC—2 blades, Iris celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1484-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3⅛ in. closed .....per dozen **DHJ** $8.90

No. 1485-P REVONOC—2 blades, shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **DHJ** $8.90

No. 1486-P REVONOC—2 blades, mottled onyx celluloid handles, brass lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 1537-P REVONOC—2 blades, ebony celluloid handles, brass lined, 2¾ in. closed .....per dozen **DHJ** $8.90

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No. 1481-P REVONOC—2 blades, striped onyx celluloid handles, brass lined, 3⅛ in. closed, per dozen **DHJ** $8.90

No. 2561-P REVONOC—2 blades, shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 2562-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 2615-P REVONOC—2 blades, cocobola celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 2624-P REVONOC—2 blades, shell celluloid handles, brass lined, 3⅜ in. closed .....per dozen **JGBJ** $13.35

No. 2632-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 3½ in. closed .....per dozen **JFJJ** $11.10

ONE-HALF DOZEN IN A BOX.

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No. 1478-P REVONOC—2 blades, bronze celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1479-P REVONOC—2 blades, golden pearl celluloid handles, brass lined, 3¼ in. closed, per dozen **DHJ** $8.90

No. 1487-P REVONOC—2 blades, mottled onyx celluloid handles, brass lined, 3¼ in. closed, per dozen **DHJ** $8.90

No. 1531-P REVONOC—2 blades, shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1545-P REVONOC—2 blades, shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1563-P REVONOC—2 blades, ebony celluloid handles, brass lined, 3 in. closed .....per dozen **DHJ** $8.90

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No. 1488-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 3¼ in. closed .....per dozen **DHJ** $8.90

No. 1489-P REVONOC—3 blades, mottled onyx celluloid handles, brass lined, 3 in. closed, per dozen **JGHJ** $14.45

No. 1492-P REVONOC—3 blades, gray horn celluloid handles, brass lined, 3⅜ in. closed .....per dozen **JGHJ** $14.45

No. 1587-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2⅞ in. closed, per dozen **DHJ** $8.90

No. 2633-P REVONOC—2 blades, gray horn celluloid handles, brass lined, 2⅜ in. closed .....per dozen **JEGJ** $10.55

No. 2639-P REVONOC—2 blades, shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **CFJ** $6.65

No. 2664-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JGBJ** $13.35

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No. 1583-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2¾ in. closed, per dozen **DHJ** $8.90

No. 1584-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2¼ in. closed, per dozen **DHJ** $8.90

No. 1586-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2⅞ in. closed, per dozen **DHJ** $8.90

No. 1588-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2⅛ in. closed, per dozen **DHJ** $8.90

No. 2602-P REVONOC—2 blades, ebony celluloid handles, not lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 2603-P REVONOC—2 blades, ivory celluloid handles, not lined, 3 in. closed, per dozen .....**DHJ** $8.90

No. 2604-P REVONOC—2 blades, smoked pearl celluloid handles, not lined, 3 in. closed, per dozen **DHJ** $8.90

No. 2605-P REVONOC—2 blades, shell celluloid handles, not lined, 3 in. closed, per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

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No. 1490-P REVONOC—3 blades, gray horn celluloid handles, brass lined, 3 in. closed .....per dozen **JGHJ** $14.45

No. 1491-P REVONOC—3 blades, shell celluloid handles, brass lined, 3 in. closed, per dozen .....**JGHJ** $14.45

No. 2662-P REVONOC—3 blades, gold shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **JGBJ** $13.35

No. 2663-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JGBJ** $13.35

No. 2689-P REVONOC—2 blades, stag handles, brass lined, 3⅛ in. closed, per dozen .....**JEDJ** $10.00

No. 2690-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JEDJ** $10.00

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No. 1475-P REVONOC—3 blades, mottled onyx celluloid handles, brass lined, 3⅛ in. closed, per dozen **JIFJ** $17.75

No. 1543-P REVONOC—3 blades, shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **JIJJ** $16.65

No. 1544½-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JIFJ** $17.75

No. 1585-P REVONOC—2 blades, smoked pearl celluloid handles, brass lined, 2⅞ in. closed, per dozen **DHJ** $8.90

No. 2618-P REVONOC—3 blades, shell celluloid handles, brass lined, 3¼ in. closed .....per dozen **JIFJ** $17.75

No. 2638-P REVONOC—2 blades, ivory celluloid handles, brass lined, 3⅛ in. closed .....per dozen **CFJ** $6.65

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No. 1707½-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JHDJ** $15.55

No. 1707½-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JHDJ** $15.55

No. 2619-P REVONOC—3 blades, shell celluloid handles, brass lined, 3⅝ in. closed .....per dozen **AJBJ** $18.85

No. 2654½-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3⅛ in. closed, per dozen **JIJJ** $16.65

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No. 1564-P REVONOC—3 blades, shell celluloid handles, brass lined, 3⅛ in. closed .....per dozen **JIFJ** $17.75

No. 2607-P REVONOC—3 blades, genuine African buffalo horn handles, brass lined, 3⅞ in. closed, per dozen .....**AJHJ** $20.00

No. 2616-P REVONOC—3 blades, shell celluloid handles, brass lined, 3⅝ in. closed .....per dozen **JIFJ** $17.75

No. 2655-P REVONOC—3 blades, smoked pearl celluloid handles, brass lined, 3¼ in. closed, per dozen **JIJJ** $16.65

ONE-HALF DOZEN IN A BOX.

OUR VERY BEST BUTCHER KNIVES, SLICERS AND PARING KNIVES.

PAGE 1634-107

OUR VERY BEST BUTCHER KNIVES MADE BY AMERICAN WORKMEN. BLADES OF THE FINEST NORWEGIAN STEEL, HAND FORGED, POLISHED AND SWAGED. SHARPENED READY FOR USE. FULLY WARRANTED.

No. 200 OUR VERY BEST—Solid cocobola handles, steel bolster, German silver ferrule, file tang—
6 in. .....per dozen **DEJ** $ 8.35
7 in. .....per dozen **JEDJ** 10.00

No. 490 OUR VERY BEST—Beechwood handle, three large brass saw screw rivets, OUR VERY BEST and numbers stamped on handle—
6 in. .....per dozen **BDJ** $ 4.45
6½ in. .....per dozen **CJJ** 5.55
7 in. .....per dozen **CEJ** 6.45
8 in. .....per dozen **DBJ** 7.75
9 in. .....per dozen **JEDJ** 10.00
10 in. .....per dozen **JFCJ** 11.65
12 in. .....per dozen **JHDJ** 15.55
14 in. .....per dozen **AJBJ** 18.85

No. 590 OUR VERY BEST—Beechwood handle, two large brass saw screw rivets, OUR VERY BEST trade mark burnt in handle—
6 in. .....per dozen **BDJ** $ 4.45
6½ in. .....per dozen **CJJ** 5.55
7 in. .....per dozen **CEJ** 6.45
8 in. .....per dozen **DBJ** 7.75
9 in. .....per dozen **JEDJ** 10.00
10 in. .....per dozen **JFCJ** 11.65
12 in. .....per dozen **JHDJ** 15.55
14 in. .....per dozen **AJBJ** 18.85

No. 1150-C OUR VERY BEST—Blade beautifully Crocus polished on both sides, OUR VERY BEST trade mark handsomely etched in gold, octagon shaped cocobola handle, with three large brass saw screw rivets—
6 in. .....per dozen **DEJ** $ 8.35
7 in. .....per dozen **JFIJ** 12.80
8 in. .....per dozen **JHGJ** 16.10

No. 2800 OUR VERY BEST—Highly finished, OUR VERY BEST trade mark beautifully etched in gold, ebony handle with fancy double bolster—
6 in. .....per dozen **DHJ** $ 8.90
7 in. .....per dozen **JEGJ** 10.55
8 in. .....per dozen **JFFJ** 12.30

No. 9145 OUR VERY BEST—Cocobola handle, three large brass saw screw rivets—
6 in. .....per dozen **BDJ** $ 4.45

No. 9846 OUR VERY BEST—6 in., fine cocobola handle, with polished brass bolster and two large brass saw screw rivets .....per dozen **DBJ** $7.75

No. 9847 OUR VERY BEST—
7 in. .....per dozen **JEDJ** 10.00

No. 9848 OUR VERY BEST—
8 in. .....per dozen **JFIJ** 12.80

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No. 99 OUR VERY BEST—Cocobola handle, metal bolster, two large brass saw screw rivets—
6 in. .....per dozen **CCJ** $ 6.10
7 in. .....per dozen **CFJ** 6.65
8 in. .....per dozen **CIJ** 7.25

No. 100 OUR VERY BEST—Ebony handle, three large brass saw screw rivets—
6 in. .....per dozen **CIJ** $7 25
7 in. .....per dozen **EAJ** 0.45
8 in. .....per dozen **JFFJ** 12.20
10 in. .....per dozen **JIFJ** 17.75
12 in. .....per dozen **ABIJ** 23.90
14 in. .....per dozen **AFBJ** 30.00

No. 106 OUR VERY BEST—6 in., Rosewood handle, fancy bolster, per dozen .....**DBJ** $ 7.75

No. 106½ OUR VERY BEST—
6½ in. .....per dozen **DEJ** 8.35
ONE-HALF DOZEN IN A BOX.

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No. 107 OUR VERY BEST—
7 in. .....per dozen **DHJ** 8.90

No. 108 OUR VERY BEST—
8 in. .....per dozen **JEGJ** 10.55

No. 110 OUR VERY BEST—Cocobola handle, metal bolster, three large brass saw screw rivets—
6 in. .....per dozen **CFJ** $ 6.65
7 in. .....per dozen **DHJ** 8.90
8 in. .....per dozen **JFJJ** 11.10

No. 206 OUR VERY BEST—6 in., solid Rosewood handle, solid metal bolster, file tang, per dozen .....**CFJ** $ 6.65

No. 207 OUR VERY BEST—
7 in. .....per dozen **DHJ** 8.90

No. 208 OUR VERY BEST—
8 in. .....per dozen **JFJJ** 11.10

No. 797 OUR VERY BEST—Solid aluminum handle,
6 in. .....per dozen **DBJ** $ 7.75
7 in. .....per dozen **JEGJ** 10.55
8 in. .....per dozen **JFIJ** 12.80
The handle is strictly sanitary, no cracks, crevises nor openings for grease, dirt or other accumulations to gather. Will not come off.

No. 7200 OUR VERY BEST—French pattern, solid aluminum handle—
6 in. .....per dozen **DBJ** $ 7.75
7 in. .....per dozen **EAJ** 9.45
8 in. .....per dozen **JFJJ** 11.10
The handle is strictly sanitary, no cracks, crevises nor openings for grease, dirt or other accumulations to gather. Will not come off.

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OUR VERY BEST Slicers Made by American Workmen. Blades of the Finest Norwegian Steel, Hand Forged, Polished and Swaged. Sharpened Ready for Use. Fully Warranted.

No. 289 OUR VERY BEST—9 in., scimeter swaged, flexible steel blade, ebony handle with three large brass saw screw rivets .....per dozen **JGBJ** $13.35

No. 1901 OUR VERY BEST—**Royal Slicer,** 9½ in., cocobola handle with three large brass saw screw rivets, per doz. **CIJ** $7.25

No. 2908 OUR VERY BEST—9 in., extra fine finished blade, ebony handle, with three large brass saw screw rivets, per dozen .....**EAJ** $9.45

No. 3040 OUR VERY BEST—**Heavy Weight,** highly finished boxwood handle—
6 in.★ .....per dozen **CFJ** $ 6.65
8 in.★ .....per dozen **JEDJ** 10.00
10 in.★ .....per dozen **JIJJ** 16.65
12 in.★ .....per dozen **ABFJ** 23.30

No. 3041 OUR VERY BEST—**Feather Weight,** highly finished blades narrow and very flexible, boxwood handles—
6 in.★ .....per dozen **CFJ** $ 6.65
7 in.★ .....per dozen **DEJ** 8.35
8 in.★ .....per dozen **JEDJ** 10.00
9 in.★ .....per dozen **JGBJ** 13.35
10 in.★ .....per dozen **JIJJ** 16.65

No. 3908 OUR VERY BEST—9 in., extra fine finished blade, boxwood handle, with three large brass saw screw rivets, per dozen .....**DHJ** $8.90
ONE-HALF DOZEN IN A BOX.

OUR VERY BEST Bread Knives Made by American Workmen. Fully Warranted.

No. 25 OUR VERY BEST—9 in. blade, finest Norwegian razor steel, special tempered Damaskeene finish, scalloped edge, ground on both sides, extra keen, fitted with substantial hardwood handle, riveted to the tang, which absolutely prevents the blade from coming loose, strong nickel plated ferrule, per dozen .....**BDJ** $4.45
Each knife wrapped separately in rust-proof paper and packed one in a box.
ONE DOZEN IN A CARTON.

★*FOR FACTORY SHIPMENT ONLY.*

PAGE 1634-109—Cont'd.

No. 35 OUR VERY BEST—Same as No. 25 OUR VERY BEST but has OUR VERY BEST— knife sharpening hone, made especially for sharpening this knife, the materials used in this stone are the best obtainable and the result of long experience and testing, it will put a perfect cutting edge on the scalloped edge with a few strokes, nickel plated screw hook with each knife to hang it up, per dozen .....**CCJ** $6.10
Each knife wrapped separately in rust-proof paper and packed one in a box.
ONE DOZEN IN A CARTON.

No. 980 OUR VERY BEST—8 in. blade, made of the finest Norwegian steel, hand forged, polished and swaged, extra finish, cocobola handle with metal bolster, per dozen .....**CFJ** $6.65
ONE-HALF DOZEN IN A BOX.

PAGE 1634-110

OUR VERY BEST Paring Knives. Fully Warranted.

No. 30 OUR VERY BEST—3½ in. blade, extra finish, cocobola handle, per dozen .....**AAE** $2.10
ONE DOZEN IN A BOX.

No. 308 OUR VERY BEST—Assortment, consisting of one dozen knives with ebonoid handle, with flattened sides to prevent rolling, 3 in. pocket knife blades, hand forged from Wardlow's crucible steel, handsomely Crocus polished and etched with OUR VERY BEST trade mark, nickel plated ferrules, assorted blades, razor point, clip point and sheep foot point, unconditionally warranted, blade is securely anchored in the handles by means of brass rivets which run through the handle and the tang of the blade, per assortment **BAJ** $3.90
ONE DOZEN ON HANDSOME DISPLAY EASEL.

No. 700 OUR VERY BEST—Assortment consisting of one dozen knives, 3½ in. solid aluminum handles, polished steel blades, assorted 3 to 3½ in., per assortment .....**ADE** $2.65
ONE DOZEN ON EASEL DISPLAY STAND.
The blades on these knives are made of special steel, honed to a fine edge by hand. The handles are solid aluminum, cast around the blades, and are practically indestructible and very sanitary, as there are no crevises nor holes for grease and dirt to lodge in.

No. 838-C OUR VERY BEST—Assortment, consisting of one dozen paring knives, assorted four each clip and Wharnecliffe blades, white bone handles, blades hand forged, full Crocus polished with OUR VERY BEST trade mark handsomely etched in gold, complete with attractive silk plush top display box, per assortment .....**BDJ** $4.45
ONE ASSORTMENT IN A BOX.

No. 2050 OUR VERY BEST—2⅜ in. hand forged Crocus polished on front side, genuine ebony handle with heavy German silver bolster, per dozen **BAJ** $3.90
ONE DOZEN ON EASEL DISPLAY STAND.

No. 3789 OUR VERY BEST—Assortment, consisting of one dozen paring knives with stag handles and polished steel blades, assorted styles and blades, per assortment .....**AEJ** $2.75
ONE DOZEN ON EASEL DISPLAY STAND.

No. 7673 OUR VERY BEST—Full length 6½ in., length of blade 3 in., hand forged and beautifully finished, solid aluminum handles, strictly sanitary, per dozen .....**AHJ** $3.40
ONE DOZEN IN AN EASEL DISPLAY BOX.

RAZORS, RAZOR STROPS, SHEARS AND SCISSORS.

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Razors. Made in Germany, Blades of the Finest Norwegian Steel, Forged, Tempered, Honed and Stropped by Hand. Fully Warranted.

No. 1335—U. S. A., ⅝ in. blade, square point, full hollow Hamburg ground, crocus polished, double file tang, oval mock tortoise shell handle, per dozen .....ADDJ $26.65

No. 1815-R—⅝ in. blade, round point, full hollow Hamburg ground, Crocus polished, improved pearl tang, white ivoroid handle, per dozen .....BBHJ $42.20

No. 1815-S—⅝ in. blade, square point, full hollow Hamburg ground, Crocus polished, improved pearl tang, white ivoroid handle, per dozen .....BBHJ $42.20

No. 3015—⅝ in. blade, square point ,extra hollow Hamburg ground, file tang, oval rubber handle, per dozen .....JIFJ $17.75

No. 3025—⅝ in. blade, round point, extra hollow Hamburg ground, file tang, oval rubber handle, per dozen .....JIFJ $17.75

No. 3035—⅝ in. blade, square point, extra hollow Hamburg ground, beautifully finished mottled brown celluloid handle, per dozen .....AHJJ $33.30

No. 3045—⅝ in. blade, square point, extra hollow Hamburg ground, file tang, flat amber celluloid handle, per dozen .....JIFJ $17.75

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No. 383—⅜ in. blade, square point, full hollow Hamburg ground, Crocus polished, file tang, flat rubber handle .....per dozen AGDJ $32.20

No. 384—½ in. blade, square point, full hollow Hamburg ground, Crocus polished, file tang, flat rubber handle .....per dozen AGGJ $32.80

No. 385—⅝ in. blade, square point, full hollow Hamburg ground, Crocus polished, file tang, flat rubber handle .....per dozen AHJJ $33.30

No. 386—¾ in. blade, square point, full hollow Hamburg ground, Crocus polished, file tang, flat rubber handle .....per dozen AHCJ $33.90

No. 415—⅝ in. blade, round point, full hollow Hamburg ground, Crocus polished, double file tang, fancy ivoroid handle, per dozen .....BJDJ $37.75

No. 425—⅝ in. blade, square point, full hollow Hamburg ground, Crocus polished, double file tang, fancy ivoroid handle, per dozen .....BJDJ $37.75

No. 535—⅝ in. blade, hollow point, full hollow Hamburg ground, Crocus polished, improved ivory tang, ivoroid handle, per doz. BHHJ $53.30

No. 1674—½ in. blade, square point, Hamburg hollow ground, double file tang, oval rubber handle, per dozen .....ADDJ $26.65

No. 1675—⅝ in. blade, square point, Hamburg hollow ground, double file tang, oval rubber handle, per dozen .....ADDJ $26.65

No. 1835—⅝ in. blade, square point, full hollow Hamburg ground, Crocus polished, improved Ivory double file tang, fancy carved rubber handle .....per dozen BCDJ $43.30

ONE-HALF DOZEN IN A BOX.

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Razor Strops.

No. 60—22x2¼ in. double swing, heavy black horsehide self-honing sharpening strop, ox blood horsehide finishing strop, stitched double leather handles and loop, nickel plated loop swivel....per dozen JEDJ $10.00

No. 105—20x2 in. double swing, extra russet heavy sharpening strop, black finishing strop, gun metal loop swivel .....per dozen DHJ $8.90

No. 403—24x2¼ in. double swing, heavy horsehide black self-honing strop, ox blood horsehide finishing strop, formed handles, heavy nickel plated loop swivel, per dozen .....JHAJ $15.00

No. 404—28x2¼ in. U. S. Cavalry double sking, heavy black horsehide sharpening strop, fine russet calfskin finishing strop, heavy nickel plated handle and loop swivel, per dozen .....JGBJ $13.35

No. 999—27x2¼ in. double swing, heavy red horsehide sharpening strop, satin finish, heavy tan color muleskin finishing strop, gold plated patented swivel, can be attached to screw eye or bed post at will, genuine alligator stuffed handle, per dozen .....AHJJ $33.30

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Shears. Blades laid with Finest Quality Sweedish Crucible Steel on Dropped Steel Forgings. Skillfully Set and Finished. Made by American Workmen. Cutting Surface Hard and Sharp. Fully Warranted.

No. 10—Straight Trimmers, with nut and bolt, japanned handles, nickel plated blades—

6	in.	.....per dozen DFE	$8.60
6½	in.	.....per dozen DIE	9.20
7	in.	.....per dozen ECJ	9.80
7½	in.	.....per dozen JEEE	10.25
8	in.	.....per dozen JFJJ	11.10
8½	in.	.....per dozen JFCE	11.75
9	in.	.....per dozen JGDJ	13.65
10	in.	.....per dozen JIDE	17.45

No. 15—Straight Trimmers, with nut and bolt, nickel plated handles and blades—

6	in.	.....per dozen JEDJ	$10.00
6½	in.	.....per dozen JEHJ	10.75
7	in.	.....per dozen JFBE	11.55
7½	in.	.....per dozen JFFJ	12.25
8	in.	.....per dozen JGJE	13.00
8½	in.	.....per dozen JGBE	13.75
9	in.	.....per dozen JHFE	16.00
10	in.	.....per dozen AAAJ	20.55

No. 20—Straight Trimmers, japanned handles, nickel plated blades—

6	in.	.....per dozen DEJ	$8.35
6½	in.	.....per dozen DHJ	8.90
7	in.	.....per dozen EAE	9.55
7½	in.	.....per dozen JEEJ	10.20
8	in.	.....per dozen JEHJ	10.75
8½	in.	.....per dozen JFBE	11.55
9	in.	.....per dozen JGBJ	$13.35
10	in.	.....per dozen JICJ	17.20

No. 25—Straight Trimmers, nickel plated handles and blades—

6	in.	.....per dozen ECJ	$9.80
6½	in.	.....per dozen JEFE	10.50
7	in.	.....per dozen JFAJ	11.25
7½	in.	.....per dozen JFEJ	12.00
8	in.	.....per dozen JFIJ	12.80
8½	in.	.....per dozen JGCJ	13.85
9	in.	.....per dozen JHEJ	15.75
10	in.	.....per dozen AJIE	20.25

ONE-HALF DOZEN IN A BOX.

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No. 30—Bent Trimmers, nickel plated handles and blades—

6½	in.	.....per dozen JFAJ	$11.25
7	in.	.....per dozen JFEJ	12.00
7½	in.	.....per dozen JFIJ	12.80
8	in.	.....per dozen JGCJ	13.55
8½	in.	.....per dozen JHEJ	15.75
9	in.	.....per dozen JIGJ	18.00
10	in.	.....per dozen ABAE	22.50

No. 31—Ben Trimmers, with nut and bolt, nickel plated handles and blades

7	in.	.....per dozen JFFJ	$12.25
8	in.	.....per dozen JGBE	13.75
9	in.	.....per dozen JIHE	18.25
10	in.	.....per dozen ABCJ	22.75

No. 35—Bent Trimmers, japanned handles, nickel plated handles—

7	in.	.....per dozen JEEJ	$10.20
7½	in.	.....per dozen JEHJ	10.75
8	in.	.....per dozen JFBE	11.55
9	in.	.....per dozen JHBE	15.30
10	in.	.....per dozen AJCE	19.10

No. 36—Bent Trimmers, with nut and bolt, japanned handles, nickel plated blades—

7	in.	.....per dozen JEFE	$10.50
8	in.	.....per dozen JFCE	11.75

No. 40—Barber's Shears, nickel plated handles and blades—

8	in.	.....per dozen JFIJ	$12.80
8½	in.	.....per dozen JGCJ	13.55

No. 50—Straight Trimmers, left hand, full nickel plated handles and blades—

7	in.	.....per dozen JHFE	$16.09
7½	in.	.....per dozen JIJJ	16.65
8	in.	.....per dozen JIDE	17.45

No. 60—Straight Trimmer handles, Bankers' Shears, japanned handles, finely polished blades—

10	in.	.....per dozen JICJ	$17.20
12	in.	.....per dozen AAGJ	21.65
14	in.	.....per dozen AEAE	28.00

No. 70—Straight Trimmer handles, Bankers' Shears, nickel plated handles, finely polished blades—

10	in.	.....per dozen AJIE	$20.25
12	in.	.....per dozen ACGJ	25.40
14	in.	.....per dozen AGHJ	33.00

No 90—Draw Cut Shears, bent blades, full nickel plated, patented nut and bolt—

5½	in.	.....per dozen JEDJ	$10.00
6½	in.	.....per dozen JFJJ	11.10
7	in.	.....per dozen JGBJ	13.35
7½	in.	.....per dozen JGEJ	13.90
8	in.	.....per dozen JGHJ	14.45
9	in.	.....per dozen AJBJ	18.90

No. 95—Draw Cut Shears, straight blades, full nickel plated, patented nut and bolt—

6	in.	.....per dozen JFJJ	$11.10
7	in.	.....per dozen JGBJ	13.35
8	in.	.....per dozen JGHJ	14.45
9	in.	.....per dozen AJBJ	18.90

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—Wardlow's finest solid crucible steel, inverted bows, full nickel plated and highly finished, handsomely etched in gold—

No. 1814		.....per dozen EAJ	$9.45
No. 1814½		..per dozen JEDJ	10.00
No. 1815		....per dozen JFJJ	11.10
No. 1815½		..per dozen JFFJ	12.20
No. 1816		....per dozen JGBJ	13.35
No. 1816½		..per dozen JGHJ	14.45
No. 1817		....per dozen JIJJ	16.65

ONE-HALF DOZEN IN A BOX.

SCISSORS AND SILVER PLATED WARE.

PAGE 1634-115—Cont'd.

—Wardlow's finest solid crucible steel, double pointed inverted bows, full nickel plated and highly finished, handsomely etched in gold—
No. 1803½ ....per dozen DHJ $8.90
No. 1804 ....per dozen EAJ 9.45
No. 1804½ ..per dozen JEDJ 10.00
No. 1805 ....per dozen JFJJ 11.10
No. 1805½.. per dozen JFFJ 12.20
No. 1806 ....per dozen JGBJ 13.35
No. 1806½ ..per dozen JGHJ 14.45
No. 1807 ....per dozen JIJJ 16.65

BUTTONHOLE SCISSORS

No. 304½ —4½ in. finest quality solid steel, nickel plated adjustable brass set screws, handsomely etched in gold, per doz. JFJJ $11.10

No. 354½ —4½ in. Wardlow's finest crucible steel, nickel plated blades, white enameled handles, per dozen ..... JGEJ $13.50

MANICURE AND CUTICLE SCISSORS

No. 224 —Wardlow's finest crucible steel, nickel plated blades, white enameled handles, per dozen .....JGBJ $13.35

— Wardlow's finest crucible steel, full nickel plated and highly finished, etched in gold—
No. 1833½ ..per dozen JGBJ $13.35
No. 1834 ....per dozen JGBJ 13.35

NAIL SCISSORS.

No. 234 —4 in. Wardlow's finest crucible steel, full nickel plated blades, both having single cut nail file tops, white enameled handles, per dozen .....JFFJ $12.20

—Wardlow's finest solid crucible steel, nickel plated and highly finished handsomely etched in gold, inverted bows, heavy bent blades, both having single cut nail file tops—
No. 1843½ ..per dozen JFFJ $12.20
No. 1844 ....per dozen JFFJ 12.20

LADIES' SCISSORS

—Wardlow's fine crucible steel, nickel plated blades, white enameled handles—
No. 243½ .....per dozen DHJ $8.90
No. 244½ ....per dozen EAJ 9.45
No. 245 .....per dozen JFJJ 11.10
No. 245½ ....per dozen JFFJ 12.20
No. 246 .....per dozen JGBJ 13.35

—Finest quality solid crucible steel, nickel plated highly finished blades, fancy oxidized silver plated handles—
No. 2504 ....per dozen JEDJ $10.00
No. 2504½ ..per dozen JEGJ $10.55
No. 2505 ....per dozen JFJJ 11.10
No. 2505½ ..per dozen JFIJ 12.80
No. 2506 ....per dozen JGBJ 13.35

EMBROIDERY SCISSORS

No. 2503½ —3½ in., finest quality solid crucible steel, nickel plated blades, fancy oxidized silver plated handles .....per dozen DHJ $8.90

H. S. B. & Co. full plated bows, nickel plated blades, fine quality steel—
No. 3393½ ...per dozen JEDJ $10.00
No. 3394 ....per dozen JEGJ 10.55
ONE-HALF DOZEN IN A BOX.

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HEATHER PATTERN

In designing our Heather pattern we have obtained a striking effect never before equalled on a heavy weight blank, such as used in this line. The handle has a pronounced beveled edge from tip to bowl, and the simple Heather design placed on the bevel is unsurpassed in the detail and clearness. The handle finished in a delicate French gray with a highly burnished bowl produces a very pleasing effect.

Al Tea Spoons ..per dozen BBE $4.25
Triple Plated Tea Spoons, per dozen .....BHE $5.35
Al Dessert Spoons, per dozen .....DJE $7.55
Triple Plate Dessert Spoons, per dozen .....EJE $9.35
Al Table Spoons, per dozen .....DEE $8.50
Triple Plate Table Spoons, per dozen .....JEGE $10.70
Al Medium Table Forks, per dozen .....DJE $8.50
Triple Plate Medium Table Forks, per dozen .....JEGE $10.70
Sugar Shells....per dozen DBJ $7.75
Butter Knives, per dozen EJE $9.35
ONE DOZEN IN A BOX.

B. K. & S. S. Sets, per dozen .....AJDE $19.35
Baby Spoons....per dozen CFJ $6.65
ONE IN A LINED BOX.

Coffee Spoons, per dozen BBE $4.25
Orange Spoons, per dozen BHJ $5.35
Ice Tea Spoons, per doz. DAJ $7.40
Round Bowl Soup Spoons, per dozen .....DIE $9.20
Bouillon Spoons, per doz. DBE $7.90
ONE-HALF DOZEN IN A LINED BOX.

Berry Spoons, per dozen AADE $21.25
Cold Meat Forks, per doz. .....JGAE $13.25
ONE IN A LINED BOX.

Oyster Forks, per dozen CJJ $5.55
ONE-HALF DOZEN IN A LINED BOX.
Pickle Forks, per dozen EAE $9.50
ONE IN A LINED BOX.

Salad Forks, individual, per dozen ..... DEJ $8.35
Pie Forks .....per dozen DEJ $8.35
Berry Forks ....per dozen BHJ $5.35
ONE-HALF DOZEN IN A LINED BOX.

Pie Servers, per dozen BJFE $37.65
Cream Ladles, Round Bowls, per dozen .....JFDJ $11.90
Gravy Ladles, per dozen JHFJ $15.90
Medium Ladles, per doz. BBHJ $42.20
No. 136—Child's Sets, per dozen sets.....AEDE $28.70
No. 135—Child's Sets, per dozen sets..... AADJ $21.25
Butter Knife, Sugar Shell and Cream Ladle Sets.....per set ADE $2.65
Table Sets, consisting of one Butter Knife, one Sugar Shell and six Al Teaspoons.....per set BAJ $3.90
Pastry Sets, consisting of one Hollow Handle Pie Server and six Pie Forks, per set .....DAE $7.65
Berry Sets, consisting of one Berry Spoon and six Berry Forks, per set .....BFE $4.90
ONE SET IN A LINED BOX.
Hollow Handled Bird Carvers, per set .....CGE $7.00
ONE PAIR IN A LINED BOX.
Hollow Handles Beef Carvers, per set ..... JGHJ $14.45
ONE SET IN A LINED BOX.

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No. 130—Fruit Knives, per dozen ..... CDJ $6.30

No. 131—Fruit Knives, per dozen .....JHGE $16.25

No. 132—Butter Spreaders, per dozen ..... CDJ $6.30

No. 133—Butter Spreaders, per dozen .....DJE $7.55

No. 134—Butter Spreaders, per dozen .....JHGE $16.25
ONE-HALF DOZEN IN A LINED BOX.

No. 1434—Medium Knives and Forks, 12 dwt. .....per set CIJ $7.25

No. 1435—Dessert Knives and Forks, 12 dwt. ..... per set CGE $7.00

No. 1436—Medium Knives and Forks, 12 dwt. ..... per set DBJ $7.75

No. 1438—Medium Knives and Forks, 16 dwt. ..... per set DEJ $8.35
ONE SET IN A LINED BOX.

No. 1420—Hollow Handle, 12 dwt., Medium Knives, per dozen JIFJ $17.75

No. 1421—Hollow Handle, 12 dwt., Medium Forks, per dozen JIJJ $16.65

No. 1422—Hollow Handle, 12 dwt., Dessert Knives, per doz. JHDJ $15.55

No. 1424—Hollow Handle, 12 dwt. Dessert Forks, per dozen JHAJ $15.00
ONE-HALF DOZEN IN A LINED BOX.

No. 1427—Medium 12 dwt. Knives and Forks .....per set JGFE $14.20
ONE SET IN A LINED BOX.

No. 1430—20 dwt. Holow Handle Medium Knives, per dozen AJHJ $20.00

No. 1431—20 dwt. Hollow Handle Medium Forks, per dozen AJBJ $18.90
ONE-HALF DOZEN IN A LINED BOX.

No. 1432—Hollow Handle Medium 20 dwt. Knives and Forks, per set .....AJEJ $19.45
ONE SET IN A LINED BOX.

No. 14 —Heather Silverware Assortment—Put up in a medium weight chest, made of first quality oak, light golden oak finish, hand rubbed, white satin lined, first quality brass corners, handles and drawer pulls, containing 26 pieces as follows—
6 Hollow Handle 12 dwt. Medium Knives
6 Triple Plated Medium Forks
6 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
1 Al Sugar Shell
1 Al Butter Knife,
per assortment .....AECJ $28.30

No. 25 —Heather Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade lined, brass catch and drawer pull, containing 26 pieces as follows—
6 Triple Plated Solid Handle 12 dwt. Medium Knives
6 Triple Plated Solid Handle 12 dwt. Medium Forks
6 A- Tea Spoons
6 Al Table Spoons
1 Al Sugar Shell
1 Al Butter Knife
per assortment .....JHGJ $16.10

SILVER PLATED WARE.

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No. 38 Heather Silverware Assortment—Put up in heavy weight case, made of the finest quality oak, light golden oak finish, hand rubbed three times, white silk lined, fitted with lock and key, containing 48 pieces as follows—
12 Hollow Handle 12 dwt. Medium Knives
12 Triple Plated Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment .....CCJJ $61.10

No. 42 Heather Silverware Assortment—Put up in a flat case, covered with fine white kid embossed paper, lined with white brocade, containing 24 pieces as follows—
6 Triple Plated Solid 12 dwt. Handle Medium Knives
6 Triple Plated Solid 12 dwt. Handle Medium Forks
6 A1 Tea Spoons
6 A1 Table Spoons
per assortment .....JHDJ $15.55

No. 45 —Heather Silverware Assortment—Put up in a flat case, covered with fine white kid embossed paper, lined with white brocade, containng 48 pieces as follows—
12 Triple Plated Solid 12 dwt. Handle Medium Knives
12 Triple Plated Solid 12 dwt. Handle Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment .....AHJJ $33.30

No. 32 Heather Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade lined, brass catch and drawer pull, containng 50 pieces as follows—
12 Triple Plated Solid Handle 12 dwt. Medium Knives
12 Triple Plated Solid Handle 12 dwt. Medium Forks
12 A1 Tea Spoons
6 A1 Dessert Spoons
6 A1 Table Spoons
1 A1 Butter Knife
1 A1 Sugar Shell
per assortment .....AFHJ $31.10

No. 35 —Heather Silverware Assortment—Put up in a heavy weight chest, made of the finest quality oak, light golden oak finish, hand rubbed three times, white silk lined, fitted with lock and key, containng 30 pieces as follows
6 Hollow Handle 12 dwt. Medium Knives
6 Triple Plated Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
per assortment .....AIHJ $36.65

PILGRIM PATTERN

The Pilgrim pattern combines elegance and durability, and is strictly colonial with a modern finish. The delicate French gray shading on the handle with the bright shield in the center produces a very pleasing effect.

A1 Tea Spoons, per doz. BBE $4.25
Triple Plate Tea Spoons, per dozen .....BHE $5.35
A1 Dessert Spoons, per dozen .....DJE $7.55

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Triple Plate Dessert Spoons, per dozen .....EJE $9.35
A1 Table Spoons, per doz. DEE $8.50
Triple Plate Table Spoons, per dozen .....JEGE $10.70
A1 Table Forks, per doz. DEE $8.50
Triple Plate Table Forks, per dozen .....JEGE $10.70
Plain Sugar Shells, per doz. DBJ $7.75
Plain Butter Knives, per dozen .....EJE 9.35
ONE DOZEN IN A BOX.

Plain B. K. & S. S. Sets, per dozen sets .....AJDE $19.35
Plain Baby Spoons, per doz. CFJ $6.65
ONE IN A LINED BOX.

Plain Coffee Spoons, per dozen .....BCJ $4.25
Plain Orange Spoons, per dozen .....BHE $5.35
Plain Iced Tea Spoons, per dozen .....DJJ $7.40
Round Bowl Soup Spoons, per dozen .....DIE $9.20
Bouillon Spoons, per doz. DBE $7.90
ONE-HALF DOZEN IN A LINED BOX.

Plain Berry Spoons, per dozen .....AADE $21.25
Plain Cold Meat Forks, per dozen .....JGAE $13.25
ONE IN A LINED BOX.

Plain Oyster Forks, per dozen .....CJJ $5.55
ONE-HALF DOZEN IN A LINED BOX.

Pickle Forks, per dozen EAE $9.50
ONE IN A LINED BOX.

Individual Salad Forks, per dozen .....DEJ $8.35
Pie Forks.....per dozen DEJ $8.35
Plain Berry Forks, per doz. BHJ $5.25
ONE-HALF DOZEN IN A LINED BOX.

Pie Servers, per dozen BJCE $37.65
Round Bowl Cream Ladles, per dozen .....JFDJ $11.90
Plain Bowl Cream Ladles, per dozen .....JFDJ $11.90
Plain Gravy Ladles, per dozen .....JHFE $15.90
Cream and Gravy Ladle Sets, per set .....ADJ $2.55
Medium Ladles, per dozen BBHJ $42.20
No. 118—Children's Sets, per dozen sets.....AEDE $28.65
No. 119—Children's Sets, per dozen sets .....AADJ $21.25
Butter Knife, Sugar Shell and Cream Ladle Sets.....per set ADE $2.65
Table Sets, consisting of one Butter Knife, one Sugar Shell and six A1 Tea Spoons .....per set BAJ $3.90
Pastry Sets, consisting of one Hollow Handle, Pie Server and six Pie Forks, per set ..... DAE $7.65
ONE IN A LINED BOX.

Berry Sets, consisting of one Berry Spoon and six Berry Forks, per set ..... BFE $4.90
ONE SET IN A LINED BOX.

Hollow Handle Bird Carvers, per pair ..... CGE $7.00
ONE PAIR IN A LINED BOX.

Hollow Handle Beef Carvers, per set .....JGHJ $14.45
ONE SET IN A LINED BOX.

No. 107—Fruit Knives, per dozen .....CDJ $6.30
No. 113—Fruit Knives, per dozen ..... JHGE $16.25
No. 108—Butter Spreaders, per dozen ..... CDJ $6.30

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No. 111—Butter Spreaders, per dozen .....DJE $7.50
No. 112—Butter Spreaders, per dozen .....JHGE $16.25
ONE-HALF DOZEN IN A LINED BOX.

No. 1234—Medium Knives and Forks, per set ..... CIJ $7.25
No. 1235—Dessert Knives and Forks, 12 dwt. ..... per set CGE $7.00
No. 1236—Medium Knives and Forks, 12 dwt. ..... per set DBJ $7.75
No. 1238—Medium Knives and Forks, 16 dwt. ..... per set DEJ $8.35
ONE SET IN A LINED BOX.

No. 1320—Hollow Handle 12 dwt. Medium Knives, per dozen JIFJ $17.75
No. 1321—Hollow Handle 12 dwt. Medium Forks, per dozen JIJJ $16.65
No 1323—Hollow Handle 12 dwt. Dessert Knives, per dozen JHDJ $15.55
No. 1324—Hollow Handle 12 dwt. Dessert Forks, per dozen JHAJ $15.00
ONE-HALF DOZEN IN A LINED BOX.

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No. 30 —Pilgrim Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade lined, brass catch and drawer pull, containing 50 pieces as follows—
12 Triple Plated Solid Handle 12 dwt. Medium Knives
12 Triple Plated Solid Handle 12 dwt. Medium Forks
12 A1 Tea Spoons
6 A1 Dessert Spoons
6 A1 Table Spoons
1 A1 Butter Knife
1 A1 Sugar Shell
per assortment .....AFHJ $31.10

No. 33 —Pilgrim Silverware Assortment—Put up in a heavy weight chest made of the finest quality oak, light golden oak finish, hand rubbed three times, white silk lined, fitted with lock and key. Containng 30 pieces as follows—
6 Hollow Handle Medium Knives, 12 dwt.
6 Triple Plated Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
per assortment .....AIHJ $36.65

No. 36 —Pilgrim Silverware Assortment—Put up in a heavy weight case, made of the finest quality oak, light golden oak finish, hand rubbed three times, white silk lined, fitted with lock and key. Containng 48 pieces as follows—
12 Hollow Handle Medium Knives, 12 dwt.
12 Triple Plated Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment ..... CCJJ $61.10

No. 1327—Medium Knives and Forks, 12 dwt. ..... per set JGFE $14.20
ONE SET IN A LINED BOX.

No. 1330—Hollow Handle, 20 dwt. Medium Knives, per set AJHJ $20.00
No. 1331—Hollow Handle 20 dwt. Medium Forks.....per set AJBJ $18.85
ONE SET IN A LINED BOX.

No. 1332—Medium Knives and Forks, 20 dwt.....per set AJED $19.45

SILVER PLATED WARE.

PAGE 1634-117—Cont'd.

No. 16 —Pilgrim Silverware Assortment—Put up in a medium weight chest made of first quality oak, light golden oak tinish, hand rubbed, white satin lined, first quality brass corners, handles and drawer pulls, containng 26 pieces as follows—
6 Hollow Handle 12 dwt. Medium Knives
6 Triple Plated Medium Forks
6 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
1 A1 Sugar Shell
1 A1 Butter Knife
per assortment .....AECJ $28.30

No. 23 —Pilgrim Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade lined, brass catch and drawer pull, containing 26 pieces as follows—
6 Triple Plated Solid 12 dwt. Handle Medium Knives
6 Triple Plated Solid 12 dwt. Handle Medium Forks
6 A1 Tea Spoons
6 A1 Table Spoons
1 A1 Sugar Shell
1 A1 Butter Knife
per assortment .....JHGJ $16.10

No. 40 —Pilgrim Silverware Assortment—Put up in a flat case, covered with fine, white kid embossed paper, lined with white brocade, containing 24 pieces as follows—
6 Triple Plated Solid Handle 12 dwt. Medium Knives
6 Triple Plated Solid Handle 12 dwt. Medium Forks
6 A1 Tea Spoons
6 A1 Table Spoons
per assortment .....JHDJ $15.55

No. 43 —Pilgrim Silverware Assortment—Put up in a flat case covered with fine white kid embossed paper, lined with white brocade, containng 48 pieces as follows—
12 Triple Plated Solid Handle 12 dwt. Medium Knives
12 Triple Plated Solid Handle 12 dwt. Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment .....AHJJ $33.30

A1 Tea Spoons, per dozen BBE $4.25

Triple Plated Tea Spoons, per dozen ..... BHE $5.35

A1 Dessert Spoons, per dozen..... DJE $7.55

Triple Plated Dessert Spoons, per dozen .....EJE $9.35

A1 Table Spoons, per doz. DEE $8.50

Triple Plated Table Spoons, per dozen .....JEGE $10.70

A1 Medium Table Forks, per dozen .....DEE $8.50

Triple Plated Table Forks, per dozen ..... JEGE $10.70

Sugar Shells.....per dozen DBJ $7.75

Butter Knives....per dozen EJE $9.35
ONE DOZEN IN A BOX.

B. K. & S. S. Sets, per dozen sets .....AJDE $19.35

Baby Spoons.....per dozen CFJ $6.65
ONE IN A LINED BOX.

PAGE 1634-117—Cont'd.

Coffee Spoons, per dozen BBE $4.25
Orange Spoons, per dozen BHE $5.35
Ice Tea Spoons, per dozen DJJ $7.40
Round Bowl Soup Spoons, per dozen ..... DIE $9.20
Bouillon Spoons, per doz. DBE $7.90
ONE-HALF DOZEN IN A LINED BOX.

Berry Spoons, per dozen AADE $21.25

Cold Meat Forks, per dozen .....JGAE $13.25
ONE IN A LINED BOX.

Oyster Forks....per dozen CJJ $5.55
ONE-HALF DOZEN IN A LINED BOX.

Pickle Forks, per dozen EAE $9.50
ONE IN A LINED BOX.

Individual Salad Forks, per dozen .....DEJ $8.35
Pie Forks.....per dozen DEJ $8.35
Berry Forks.....per dozen BHJ $5.25
ONE-HALF DOZEN IN A LINED BOX.

Pie Servers, per dozen BJCE $37.65

Cream Ladles, Round Bowl, per dozen .....JFDJ $11.90
Gravy Ladles ..per dozen JHFE $15.90
Cream and Gravy Ladle Sets, per set .....ADJ $2.55
Medium Ladles, per doz. BBHJ $42.50

No. 122—Children's Sets, per set .....AEDE $28.65

No. 124—Children's Sets, per set .....AADJ $21.25

Butter Knife, Sugar Shell and Cream Ladle Sets.....per set ADE $2.65
ONE IN A LINED BOX.

Table Sets, consisting of one Butter Knife, one Sugar Shell and six A1 Tea Spoons.....per set BAJ $3.90

Pastry Sets, consisting of one Hollow Handle Pie Server and six Pie Forks, per set .....DAE $7.65

Berry Sets, consisting of one Berry Spoon and six Berry Forks, per set .....BFE $4.90
ONE SET IN A LINED BOX.

Hollow Handle Bird Carvers, per pair ..... CGE $7.00

Hollow Handle Beef Carvers, per set .....JGHJ $14.45
ONE SET IN A LINED BOX.

No. 109—Fruit Knives, per dozen .....CDJ $6.30

No. 121—Fruit Knives, per dozen ..... JHGE $16.25

No. 110—Butter Spreaders, per dozen ..... CDJ $6.30

No. 120—Butter Spreaders, per dozen .....JHGE $16.25

No. 123—Butter Spreaders, per dozen ..... DJE $7.50
ONE-HALF DOZEN IN A LINED BOX.

No. 1254—Medium 12 dwt. Knives and Forks ..... per set CIJ $7.25

No. 1255—Dessert 12 dwt. Knives and Forks .....per set CGE $7.00

No. 1258—Medium 16 dwt. Knives and Forks ..... per set DEJ $8.35
ONE SET IN A LINED BOX.

No. 1350—Hollow Handle 12 dwt. Medium Knives..per dozen JIFJ $17.75

No. 1351—Hollow Handle 12 dwt. Medium Forks..per dozen JIJJ $16.65

No. 1353—Hollow Handle 12 dwt. Dessert Knives..per dozen JHDJ $15.55

No. 1354—Hollow Handle 12 dwt. Dessert Forks....per dozen JHAJ $15.00
ONE-HALF DOZEN IN A LINED BOX.

PAGE 1634-117—Cont'd.

Embodied in our IVANHOE pat.ern is a combination of those three truly Colonial attributes, Beauty, Simplicity and Strength. The simple Colonial wreath is finished in a dark French gray, the balance of the handle being toned off in a lighter gray, which gives an artistic appearance unsurpassed by the finest sterling silver. This pattern is so suggestive of the table ware used during the time of Sir Walter Scott that it seems highly proper that it be designated as the IVANHOE.

No. 1357—Medium Knives, H. H. 12 dwt., and Triple Medium Forks, per set ..... JGFE $14.20
ONE SET IN A LINED BOX.

No. 15 —Ivanhoe Silverware Assortment—Put up in a medium weight chest, made of first quality oak, light golden oak finish, hand rubbed, white satin lined, first quality brass corners, handles and drawer pulls, containing 26 pieces as follows—
6 Hollow Handle Medium Knives, 12 dwt.
6 Triple Plated Medium Forks
6 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
1 A1 Sugar Shell
1 A1 Butter Knife
per assortment .....AECJ $28.30

No. 24 —Ivanhoe Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade linen, brass catch and drawer pull, containing 26 pieces as follows—
6 Triple Plated Solid Handle 12 dwt. Medium Knives
6 Triple Plated Solid Handle 12 dwt. Medium Forks
6 A1 Tea Spoons
6 A1 Table Spoons
1 A1 Sugar Shell
1 A1 Butter Knife
per assortment .....JHGJ $16.10

No. 31 —Ivanhoe Silverware Assortment—Put up in a substantial wood chest, covered with green leatherette, white brocade lined, brass catch and drawer pull, consisting of 50 pieces as follows—
12 Triple Plated 12 dwt. Solid Handle Medium Knives
12 Triple Plated 12 dwt. Solid Handle Medium Forks
12 A1 Tea Spoons
6 A1 Dessert Spoons
6 A1 Table Spoons
1 A1 Butter Knife
1 A1 Sugar Shell
per assortment ..... AFHJ $31.10

No. 34 —Ivanhoe Silverware Assortment—Put up in a heavy weight chest, made of the finest quality oak, light golden oak finish, hand rubbed three times, white silk lined, fitted with lock and key, containing 30 pieces as follows—
6 Hollow Handle Medium Knives, 12 dwt.
6 Triple Plated Medium Fork
12 Triple Plated Tea Spoons
6 Triple Plated Table Spoons
per assortment .....AIHJ $36.65

SILVER PLATED WARE, AND REVONOC CARVERS.

PAGE 1634-117—Cont'd.

No. 37 —Ivanhoe Silverware Assortment—Put up in a heavy weight case, made of the finest quality oak finish, hand rubbed three times, white silk lined, fitted with lock and key, containing 48 pieces as follows—
12 Hollow Handle 12 dwt. Medium Knives
12 Triple Plated Medium Forks
12 Triple Plated Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment .....CCJJ $61.10

No. 41 —Ivanhoe Silverware Assortment—Put up in a flat case, covered with fine white kid embossed paper, lined with white brocade, containing 24 pieces as follows—
6 Triple Plated Solid Handle 12 dwt. Medium Knives
6 Triple Plated Solid Handle 12 dwt. Medium Forks
6 A1 Tea Spoons
6 A1 Table Spoons
per assortment .....JHDJ $15.55

No. 44 —Ivanhoe Silverware Assortment—Put up in a flat case, covered with fine white kid embossed paper, lined with white brocade, containg 48 pieces as follows—
12 Triple Plated Solid Handle 12 dwt. Medium Knives
12 Triple Plated Solid Handle 12 dwt. Medium Forks
12 Triple Plated Solid Handle Tea Spoons
6 Triple Plated Dessert Spoons
6 Triple Plated Table Spoons
per assortment .....AHJJ $33.30

PAGE 1634-118

CARVING KNIVES AND FORKS.

MADE BY AMERICAN WORKMEN, BLADES MADE FROM SPECIAL CARVER STEL, HAND FORGED AND TEMPERED, POLISHED AND SHARPENED READY FOR USE. EACH FORK FITTED WITH A PATENT GUARD AND REST. FULLY WARRANTED.

No. 0102 —9 in., selected genuine stag handle, knife and fork, sterling silver ferrules....per pair CJJ $5.55

No. 0102 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....DAJ $7.55

No. 0112 —9 in., selected genuine stag handle knife and fork, sterling silver ferrules...per pair CJJ $5.55

No. 0112 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....DBJ $7.75

No. 0408 —9 in., solid ivory celluloid handle knife and fork, sterling silver ferrues,
per pair .....CFJ $6.65

ONE PAIR OR ONE SET IN A BOX.

PAGE 1634-118—Cont'd.

No. 0408 —9 in., solid ivory celluloid handle knife, fork and steel, sterling silver ferrules,
per set .....EAJ $9.45

No. 1102 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....DHJ $8.90

No. 1147 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....DHJ $8.90

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No. 35 REVONOC—8 in., genuine stag handle knife and fork, silver plated ferrules .....per pair ADE $2.65

No. 35 REVONOC—8 in., genuine stag handle knife, fork and steel, silver plated ferrules ....per set BAJ $3.90

No. 37 REVONOC—8 in., genuine stag handle knife and fork,
per pair .....ABJ $2.20

No. 37 REVONOC—8 in., genuine stag handle knife, fork and steel,
per set .....AGE $3.20

No. Q100-02 REVONOC—9 in., genuine stag handle knife, fork and steel, silver ferrules .....per set BDJ $4.45

No. Q100-46 REVONOC—9 in., genuine stag handle knife, fork and steel, silver ferrules .....per set BDJ $4.45

No. Q100-55 REVONOC—9 in., genuine stag handle knife, fork and steel, silver ferrules .....per set BDJ $4.45

No. Q100-71 REVONOC—9 in., genuine stag handle knife, fork and steel, silver ferrules .....per set CJJ $5.50

No. V1571 REVONOC—9 in., selected genuine stag handles, knob ends, silver plated ferrules and caps, knife, fork and steel .....per set CJJ $5.50

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No. 25 —8 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair BGJ $5.00

No. 25 —8 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....CFJ $6.65

No. 25 —9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair CJJ $5.50

No. 25 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....CIJ $7.20

No. 41 —9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair CJJ $5.50

No. 41 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....CIJ $7.20

ONE PAIR OR ONE SET IN A BOX.

PAGE 1634-120—Cont'd.

No. 165 —8 in., genuine stag handle knife, fork and steel, sterling silver ferrules....per set BGJ $5.00

No. 384 —8 in., selected genuine stag handle knife, fork and steel, with silver plated ferrules and caps, narrow pattern blade, fork fitted with four prong stationary, guard,
per set .....CJJ $5.50

No. 960 —9 in., selected genuine stag handle knife and fork,
per pair .....AEJ $2.75

No. 960 —9 in., selected genuine stag handle knife, fork and steel,
per set .....BAJ $3.90

No. 1048 —9 in., selected genuine stag handle knife, fork and steel, extra heavy solid steel bolster, per set .....CJJ $5.50

No. 1053 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....CIJ $7.20

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No. 43-A —9 in., genuine carved alligator handle knife, fork and steel,
per set .....DEJ $8.35

No. 45 —9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules,
per set .....EAJ $9.45

No. 47 —9 in., selected genuine stag handle knife, fork and steel, silver plated caps, per set EAJ $9.45

No. 6748 —9 in., polished South African gray horn handle, knife fork and steel with sterling silver ferrules and fluted sterling silver caps, knife has solid steel bolster,
per set .....JGBJ $13.35

No. 7348 —9 in., knurled and polished South African gray horn handle knife, fork and steel, sterling silver ferrules, knife has solid steel bolster,
per set .....JFJJ $11.10

BIRD CARVERS.

No. 106-B —6 in., genuine stag handle knife and fork,
per pair .....AEJ $2.75

No. 111-B —5½ in., genuine stag handle knife and fork, sterling silver ferrules .....per pair BJJ $3.65

No. 0112-B —5½ in., selected genuine stag handle knife and fork, sterling silver ferrules,
per pair .....BDJ $4.45

No. 3747-B REVONOC—5½ in., genuine stag handle, steel caps, fancy ferrules .....per pair JIE $1.75

ONE PAIR OR ONE SET IN A BOX.

TABLE KNIVES AND FORKS.

PAGE 1634-122

TABLE KNIVES AND FORKS.

A careful examination of these goods will prove they have no equal.

HANDLES—They are made from first grade, high priced materials—not cheap imitation wood manipulated to appear like the real article. Black handles are genuine imported ebony, red handles are finest Panama cocobola, white handles are extra quality hard bone. As a consequence they hold their finish and their attractive, wholesome appearance, instead of becoming discolored and soaked with grease after being used a short time.

The handles are long and more symmetrical than other makes, they are more dainty in appearance, fit the hand better and "hang" as perfectly as highest grade goods should, instead of having a clumsy ill-balanced feeling. The forks are models for shape of bend, workmanship and finish, and their temper is unequaled, as can be shown by jamming the fork tines into wood and twisting them.

BOLSTER—The metal used in the bolsters is high grade, absolutely without adulteration by lead or spelter, consequently it holds its original finish and does not become dull and cheapen the appearance of the goods. All metal designs are anchored through the handle. Warping and consequent cracking of handles is impossible. The metal work fits the handle with absolute accuracy, there are no cracks or open joints of any kind where dirt or grease can work in and spoil the appearance.

BLADES—The steel in the blades of these knives and forks is of the highest quality used in any goods of this character and they are fully warranted.

No. 11744 —5⅛ in., scimiter blade, single bolster, cocobola handle, 4 tine forks ....per dozen sets **AAGE** $21.75

No. 11746 —5⅛ in., same as above but with 3 tine forks, per dozen sets .....**AJIJ** $20.20

No. 11756 —5⅛ in., scimiter blade, single fancy bolster, cocobola handle, 3 tine forks, per dozen sets .....**AAGE** $21.75

No. 12634 —5⅛ in., scimiter swaged blade, fancy double bolster, cocobola handle, 4 tine forks, per dozen sets .....**AEIE** $29.55

No. 12636 —Same as above but with 3 tine forks, per dozen sets .....**AEAJ** $28.00

No. 12744 —5⅛ in. scimiter blade, double bolster, cocobola handle, 4 tine forks....per dozen sets **ACHE** $25.65

No. 12746 —Same as above but with 3 tine forks .....**ACJJ** $24.10

No. 12754 —5⅛ in., scimiter blade, fancy double bolster, cocobola handle, 4 tine forks, per dozen sets ....**AEAJ** $28.00

ONE SET IN A BOX, FOUR SETS IN A CARTON.

PAGE 1634-122—Cont'd.

No. 12756 —Same as above but with 3 tine forks, per dozen sets .....**ADCJ** $26.45

No. 12856 —5⅛ in., scimiter swaged blade, fancy double bolster, cocobola handle, 3 tine forks, per dozen sets .....**AEAJ** $28.00

No. 12864 —5⅛ in., scimiter swaged blade, fancy double bolster, cocobola handle, 4 tine forks, per dozen sets .....**AEIE** $29.55

No. 12866 —Same as above but with 3 tine forks, per dozen sets .....**AEAJ** $28.00

No. 21744 —5⅛ in., scimiter blade, single bolster, ebony handle, 4 tine forks ....per dozen sets **ADCJ** $26.45

No. 21746 —Same as above but with 3 tine forks, per dozen sets .....**ACDE** $24.90

No. 21756 —5⅛ in., scimiter blade, single fancy bolster, ebony handle, 3 tine forks, per doz. sets **ADCJ** $26.45

No. 22634 —5⅛ in., scimiter swaged blade, fancy double bolster, ebony handle, 4 tine forks, per dozen sets .....**AHEJ** $34.20

No. 22636 —Same as above but with 3 tine forks, per dozen sets .....**AGFE** $32.65

No. 22744 —5⅛ in., scimiter blade, double bolster, ebony handle, 4 tine forks....per dozen sets **AFDJ** $30.35

No. 22746 —Same as above but with 3 tine forks, per dozen sets .....**AEEE** $28.75

No. 22756 —5⅛ in., scimiter blade, fancy double bolster, ebony handle, 3 tine forks, per doz. sets **AFHJ** $31.10

No. 22856 —5⅛ in., scimiter swaged blade, fancy double bolster, ebony handle, 3 tine forks, per dozen sets .....**AGFE** $32.65

No. 22864 —5⅛ in., scimiter swaged blade, fancy double bolster, ebony handle, 4 tine forks, per dozen sets .....**AHEJ** $34.20

No. 22866 —Same as above but with 3 tine forks, per dozen sets .....**AGFE** $32.65

No. 31744 —5⅛ in., scimiter blade, single bloster, white bone handle, 4 tine forks, per doz. sets **AGFE** $32.65

No. 31746 —Same as above but with 3 tine forks, per dozen sets .....**AFHJ** $31.10

No. 31756 —5⅛ in., scimiter blade, single fancy bolster, white bone handle, 3 tine forks, per dozen sets .....**AGFE** $32.65

No. 32634 —5⅛ in., scimiter swaged blade, fancy double bolster, white bone handle, 4 tine forks, per dozen sets .....**BAHE** $40.45

ONE SET IN A BOX, FOUR SETS IN A CARTON.

PAGE 1634-122—Cont'd.

No. 32636 —Same as above but with 3 tine forks, per dozen sets .....**BAJJ** $38.90

No. 32744 —5⅛ in., scimiter blade, plain double bolster, white bone handle, 4 tine forks, per dozen sets .....**AIGE** $36.55

No. 32746 —5⅛ in., scimiter blade, plain double bolster, white bone handle, 3 tine forks, per dozen sets .....**AHIJ** $35.00

No. 32754 —5⅛ in., scimiter blade, fancy double bolster, white bone handle, 4 tine forks, per dozen sets .....**BAJJ** $38.90

No. 32756 —Same as above but with 3 tine forks, per dozen sets .....**BJAE** $37.35

No. 32856 —5⅛ in., scimiter swaged blade, fancy double bolster, white bone handle,, 3 tine forks, per dozen sets .....**BAJJ** $38.90

No. 32864 —5⅛ in., scimiter swaged blade, fancy double bolstor, white bone handle, 4 tine forks, per dozen sets .....**BAHE** $40.45

No. 32866 —Same as above but with 3 tine forks, per dozen sets .....**BAJJ** $38.90

No. 4269 —5⅛ in., scimiter swaged blade, plain double bolster, stag handle, 3 tine forks, per dozen sets .....**BADJ** $39.65

No. 42694 —5⅛ in., scimiter swaged blade, plain double bolster, stag handle, 4 tine forks, per dozen sets .....**BBBE** $41.20

No. 12704 —5⅛ in., scimiter swaged blade, fancy double bolster, cocobola handle, 4 tine forks, per dozen sets .....**AHJJ** $33.35

No. 12706 —5⅛ in., scimiter swaged blade, fancy double bolster, cocobola handle, 3 tine forks, per dozen sets .....**AGBJ** $31.90

No. 22704 —5⅛ in., scimiter swaged blade, fancy double bolster, ebony handle, 4 tine forks, per dozen sets .....**BJFJ** $38.10

No. 22706 —5⅛ in., scimiter swaged blade, fancy double bolster, ebony handle, 3 tine forks, per dozen sets .....**AIGE** $36.55

No. 32704 —5⅛ in., scimiter swaged blade, fancy double bolster, white bone handle, 4 tine forks, per dozen sets .....**BDJJ** $44.45

No. 32706 —5⅛ in., scimiter swaged blade, fancy double bolster, white bone handle, 3 tine forks, per dozen sets .....**BCAJ** $42.75

ONE SET IN A BOX, FOUR SETS IN A CARTON.

TABLE CUTLERY, PUTTY AND SCRAPING KNIVES.

PAGE 1634-122—Cont'd.

SOLID HANDLE KNIVES AND FORKS.

MADE BY AMERICAN WORKMEN, BLADES OF THE FINEST QUALITY NORWEGIAN STEEL. FULLY WARRANTED.

Individual Steak Knives.

No. 425-F—5½ in., French pattern blade, plain white celluloid handle .....per dozen **DHJ** $8.90

No. 525-F—5½ in., French pattern blade, black rubber handle, per dozen .....**DHJ** $8.90

No. 545-C—5⅝ in., scimiter sway back blade, extra finish, black rubber handle .....per dozen **DHJ** $8.90

No. 845-C—5⅝ in., scimiter sway back blade, extra finish, grained white ivory celluloid handle, per dozen .....**JFFJ** $12.20

No. 145-C—5⅝ in., scimiter sway back blade, single fancy bolster, cocobola handle, per dozen **AHJ** $3.35

No. 245-C—5⅝ in., scimiter sway back blade, single fancy bolster, ebony handle ..per dozen **BAJ** $3.90

No. 9803-F—5½ in., French pattern blade, octagon scale tang, cocobola handle with polished steel lap bolster securely riveted, per dozen .....**AHJ** $3.35

ONE DOZEN IN A BOX.

Knives and Forks.

No. 4421—5¾ in., straight blade, extra finish, plain white ivory celluloid handle, 4 tine forks, per dozen .....**CFJ** $6.65

No. 4525-C—5⅝ in., scimiter swaged blade, extra finish, black rubber handle, 4 tine forks, per dozen .....**DHJ** $8.90

No. 4825-C—5¼ in., scimiter swaged blade, extra finish, grained white ivory celluloid handle, 4 tine forks .....per dozen **JEDJ** $10.00

ONE SET IN A BOX.

Medium Knives Only.

No. 421—5¾ in., straight blade, extra finish, plain white ivory celluloid handle, per dozen **CFJ** $6.65

No. 525-C—5⅜ in., scimiter swaged blade, extra finish, black rubber handle..per dozen **DHJ** $8.90

No. 825-C—5⅛ in., scimiter swaged blade, extra finish, grained white ivory celluloid handle, per dozen .....**JEGJ** $10.55

ONE DOZEN IN A BOX.

PAGE 1634-122—Cont'd.

TABLE KNIVES ONLY.

For description see preceding page.

Knives Only.

No. 11746—5⅛ in., scimiter blade, plain single bolster, cocobola handle, per dozen .....**AAJ** $2.00

No. 12756—5⅛ in., scimiter blade, fancy double bolster, cocobola handle, per dozen .....**ADJ** $2.55

No. 21746—5⅛ in., scimiter blade, plain single bolster, ebony handle, per dozen .....**ABE** $2.35

No. 22756—5⅛ in., scimiter blade, fancy double bolster, ebony handle, per dozen .....**AFJ** $3.00

No. 31746—5⅛ in., scimiter blade, plain single bolster, white bone handle .....per dozen **AEE** $2.90

No. 32756—5⅛ in., scimiter blade, fancy double bolster, white bone handle .....per dozen **AHE** $3.45

ONE DOZEN IN A BOX.

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PUTTY KNIVES.

MADE BY AMERICAN WORKMEN, BLADES OF THE FINEST QUALITY NORWEGIAN STEEL, HAND FORGED, POLISHED AND TEMPERED. FULLY WARRANTED.

No. 366-E—3½x1¼ in., elastic blade, cocobola handle, metal bolster, per dozen .....**AIJ** $3.55

No. 366-S—Same as above but with stiff blade, per doz. **AIJ** $3.55

No. 380-E—Extra finish, 3½x1⅜ in., elastic blade, steel bolster, cocobola handle....per dozen **BBJ** $4.10

No. 380-S—Same as above but with stiff blade, per doz. **BBJ** $4.10

No. 0380-E—Extra finish, 3½x2 in., elastic steel blade, steel bolster, cocobola handle, per doz. **BDJ** $4.45

No. 0380-S—Same as above but with stiff blade, per doz. **BDJ** $4.45

No. 381-E—Extra finish, 3½x1¾ in., elastic blade, solid brass bolster, cocobola handle, with two large brass saw screw rivets, per doz. **BGJ** $5.00

No. 381-S—Same as above but with stiff blade, per doz. **BGJ** $5.00

No. 382—Extra heavy, 3½x1⅜ in., stiff blade, with chisel point, metal bolster, cocobola handle, per dozen .....**BAJ** $3.90

For removing old, hard putty and glass from sash, this knife has no equal.

No. 826-E—3½x1¾ in., elastic blade, beechwood handle, per dozen .....**AEJ** $2.75

No. 826-S—Same as above but with stiff blade, per doz. **AEJ** $2.75

No. 926-E—3½x1¾ in., elastic blade, cocobola handle, per dozen .....**AFJ** $3.00

No. 926-S—Same as above but with stiff blade, per doz. **AFJ** $3.00

No. 3000-E—Extra finish, 3x1½ in., elastic blade, brass bolster, cocobola handle ....per dozen **BDJ** $4.45

No. 3000-S—Same as above but with stiff blade, per doz. **BDJ** $4.45

ONE DOZEN IN A BOX.

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SCRAPING KNIVES.

MADE BY AMERICAN WORKMEN, BLADES OF THE FINEST QUALITY NORWEGIAN STEEL, HAND FORGED, POLISHED AND TEMPERED. FULLY WARRANTED.

No. 102—Extra finish, 4½x3 in., stiff blade, metal bolster, cocobola handle, with brass rivets, per dozen .....**DEJ** $8.35

No. 102-E—Same as above but with elastic blade, per dozen .....**DEJ** $8.35

No. 102½—4½x2½ in. stiff blade, same as No. 102, extra finish, per dozen .....**DBJ** $7.75

STIFF POINT, EXTRA FINISH, SOLID STEEL BOLSTER, COCOBOLA HANDLE, WITH BRASS RIVETS.

No. 325-S—2	in., per dozen	**DEJ**	$8.35
No. 325-S—2½	in., per dozen	**DHJ**	8.90
No. 325-S—3	in., per doz.	**JEEJ**	10.20
No. 325-S—3½	in., per doz.	**JFCJ**	11.65
No. 325-S—4	in., per doz.	**JGBJ**	13.35

ELASTIC POINT, EXTRA FINISH, SOLID STEEL BOLSTER, COCOBOLA HANDLE WITH BRASS RIVETS.

No. 325-E—2½	in., per dozen	**DHJ**	$8.90
No. 325-E—3	in., per doz.	**JEEJ**	10.20
No. 325-E—3½	in., per doz.	**JFCJ**	11.65

FINEST FINISH, STEEL BOLSTER, COCOBOLA HANDLE WITH STEEL RIVETS, LENGTH OF BLADE 4⅜ INCHES.

No. 1062½—2 in., per dozen .....**BDJ** $4.45

No. 1063—3 in., per dozen .....**BHJ** 5.20

No. 1063½—3½ in., per dozen .....**CCJ** 6.10

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.



No. 530 GHB—2 blades, polished, pearl, brass lined, 2¾ in. closed, per dozen ..... **JGBJ** $13.15

ONE-HALF DOZEN IN A BOX.

BARLOWS.



No. 2-H.

No. 1-H—Hibbard, 1 blade, glazed, brown bone handle, iron lined, 3¼ in. closed, per dozen..... **AHJ** $3.35

No. 2-H—Hibbard, 1 large and 1 pen blade, glazed, brown bone handle, iron lined, 3¼ in. closed, per dozen..... **BDJ** $4.45



No. 52-H.

No. 41-H—Hibbard, 1 blade, glazed, brown bone handle, iron lined, 3¼ in. closed .....per dozen **AHJ** $3.35

No. 52-H—Hibbard, 1 large and 1 pen blade, glazed, brown bone handle, iron lined, 3¼ in. closed, per dozen..... **BDJ** $4.45

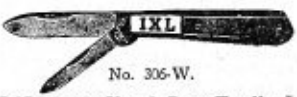
No. 61-H—Hibbard, 1 blade, glazed brown bone handle, iron lined, 5 in. closed .....per dozen **CFJ** $6.65

ONE DOZEN IN A BOX.

GEORGE WOSTENHOLM & SON'S IXL BRAND.



No. 50—1 blade, glazed, iron handle, iron lined, length 3 in., per dozen .....**AEJ** $2.75



No. 305-W.

BARLOWS, Glazed, Bone Handle, Iron Bolster, Iron Lined, Length 3¼ In.

No. 305-W—1 spear blade, per dozen..... **BGE** $5.10

No. 306-W—2 blades, 1 large spear and 1 pen blade....per dozen **CFJ** $6.65



No. 92.

BARLOWS, Glazed, Bone Handle, Iron Bolster, Iron Lined, Length 3¼ In.

No. 91—1 clip blade, per doz. **BGE** $5.10

No. 92—2 blades, 1 large clip and 1 pen, per dozen..... **CFJ** $6.65



No. 312-W.

BARLOWS, Glazed, Bone Handle, Iron Bolster, Iron Lined, Length 3¼ In.

No. 311-W—1 spey blade, per dozen..... **BGE** $5.10

No. 312-W—2 blades, large spey blade, per dozen..... **CFJ** $6.65

ONE DOZEN IN A BOX.



No. 8018.

Glazed, Iron Handle, Hollow Bolster, Iron Lined, Length 3½ Inches.

No. 8018—1 spear blade, per dozen..... **CCE** $6.20

No. 8019—2 blades, 1 large spear and 1 pen .....per dozen **JFAJ** $11.35

No. 13786—1 spey blade, per dozen..... **CCE** $6.20



No. 11270.

Pruning, One Blade, Glazed, Cocoa Handle, Iron Lined, Hollow Steel Bolster.

No. 11270—Length 3½ in., per dozen..... **JEIJ** $10.90

No. 11950—Length 4¼ in., per dozen..... **JGEE** $14.00

ONE-HALF DOZEN IN A BOX.

GEORGE WOSTENHOLM & SON'S IXL BRAND.



No. 7691—Budding, 1 blade, glazed, black buffalo horn handle, ivory tip, brass lined, German silver bolster, length 4¼ in. .....per dozen **JHEJ** $15.00



No. 7940—1 blade, glazed, ivory handle, office or budding knife, length 3¼ in., per dozen .....**AJCJ** $19.10



No. 16584—Office, 2 blades, glazed, ivory celluloid handle, etched, brass lined, length 3¼ in., per doz. **JHGJ** $16.10



No. 12825—Corn, 1 blade, crocus polished, ivory handle, brass lined, length 3¼ in., per doz. **JHAE** $15.10



No. 14311—Eraser, 2⅝ in. stationary blade, crocus polished, 4 in. ebony handle, with heavy pasteboard sheath, per dozen .....**JFCJ** $11.65



No. 17063—Lock back, clip point, one 3½ in. blade, glazed, stag handle, iron lined, steel bolster, length 4½ in., per dozen .....**JHGJ** $16.10



No. 17009—2 blades, glazed, patent stag handle, iron lined, hollow steel bolster, German silver caps and shield, length 3½ in., per dozen **JHGE** $16.20



No. 6-W—2 blades, crocus polished, dancing girl pattern, oxidized brass handle, length 3¼ in., per dozen .....**JHFJ** $15.90

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

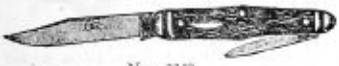
GEORGE WOSTENHOLM & SON'S IXL BRAND.



No. 17095—2 blades, one large spear, long and slender; one small pen, crocus polished, patent stag handle, brass lined, fancy German silver bolster, cap and shield, length 3¼ in., per dozen.....J H G J $16.10



No. 2241—2 blades, brass lined, patent stag handle, German silver bolsters and shield, length 3½ in., per dozen .....J I D J $17.45

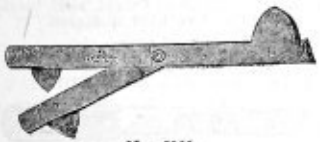


No. 2240.

Two Blades, Glazed, Patent Stag Handle, Brass Lined, Hollow Steel Bolsters, German Silver Shield, Length 3½ Inches.

No. 2240—1 large clip and 1 small pen blade .....per dozen J I D J $17.45

No. 2240-S—1 large spear and 1 small pen blade, per dozen.....J I D J $17.45



No. 5166.

FLEAMS, Glazed Blades, Brass Handle and Shield.

No. 5166—2 blades, per doz. C E E $6.55

No. 5167—3 blades, per doz. E J J $9.20

ONE-HALF DOZEN IN A BOX.



No. 2017.

Two Blades, One Large and One Small Pen, Crocus Polished, Brass Lined, Length 3¼ Inches.

No. 2060—Patent stag handle, per dozen..... J G H E $14.55

No. 2017—Grey buffalo horn handle, per dozen ..... J G H E $14.55

No. 2018—Genuine ivory handle., per dozen..... J G H E $14.55



No. 2294—2 blades, 1 large spear and 1 small pen, crocus polished, patent stag handle, brass lined, German silver bolsters and shield, length 3¼ in., per dozen ..... J I H E $18.20

ONE-HALF DOZEN IN A BOX.



No. 2289—2 blades, 1 long slender spear and 1 pen, crocus polished, patent stag handle, brass lined, German silver bolsters and shield, length 3½ in., per dozen..... J I I J $18.35



No. 2217—Two blades, one large spear and one small pen, crocus polished, brass lined, patent stag handle, German silver tips and shield, length 3¼ in.....per dozen A A H E $21.95



CONGRESS, Two Blades, One Tobacco and One Pen, Glazed, Patent Stag Handle, Brass Lined, Hollow Steel Bolsters.

No. 2153—Length 3 in., per dozen.....J G B E $13.45

No. 2154—Length 3½ in., per dozen.....J G H J $14.45

No. 2156—Length 4 in., per dozen.....J I E J $17.55



No. 2180—Congress, 3 blades, 1 tobacco, 1 pen and 1 file, glazed, patent stag handle, brass lined, hollow steel bolsters, length 3½ in., per dozen .....A B G J $23.55



No. 17023—3 blades, 1 large etched spear, 1 small pen and 1 file, crocus polished, brass lined, patent stag handle, German silver bolsters and shield, length 3¼ in., per doz. A D D E $26.75



No. 2231—Cattle, large blade, etched premium stock knife, 3 blades, 1 clip, 1 spey and 1 pen, brass lined, German silver bolsters and shield, patent stag handle, glazed blades, length 3½ in., per dozen.....A E H E $29.35

ONE-HALF DOZEN IN A BOX.



No. 2160.

CONGRESS, Four Blades, One Tobacco, Two Pen and One File, Glazed, Patent Stag Handle, Brass Lined, Hollow Steel Bolsters.

No. 2160—Length 3½ in., per dozen .....A C E J $25.00

No. 2161—Length 3¾ in., per dozen..... A D C J $26.45

No. 2162—Length 4 in., per dozen..... A E J E $27.90



No. 2191.

CONGRESS, Four Blades, Two Tobacco and Two Pen, Glazed, Patent Stag Handle, Brass Lined, Hollow Steel Bolsters.

No. 2191—Length 3½ in., per dozen..... A D D E $26.75

No. 2193—Length, 4 in., per dozen.....A D H J $27.45



No. 2068.

Two Blades, One Large and One Small Pen, Crocus Polished, Brass Lined, German Silver Tips, Length 3¼ Inches.

No. 2064—Patent stag handle, per dozen.....J H G J $16.10

No. 2068—Pearl handle, per dozen.....A G A J $31.65



No. 2284—Two blades, one long slender spear and one pen, crocus polished, pearl handle, thin pattern, brass lined, milled front and back, length 3 in., per dozen.....A H J J $33.35

ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.



No. 0217.

Lengh 2¾ Inches, Polished Tin Handles, Iron Lined, Glazed Blades.

No. 0217—1 blade, per dozen **CJ** $0.60

No. 0218—2 blades, per doz. **EJ** $0.90



No. 011.

Length 2¾ Inches, Scored Blackwood Handle, Iron Lined, Glazed Blades.

No. 010—1 blade, per dozen **DJ** $0.80

No. 011—2 blades, per dozen **JGJ** $1.35



No. 0160—Barlow pattern, length 3 in., brown bone handle, iron lined, iron bolster, 1 blade, glazed, per dozen .....**JGJ** $1.35

ONE DOZEN IN A PACKAGE.



No. 966—Easy opener, length 2¾ in., metal handle, nickel plated, 1 blade, glazed .....per dozen **JIJ** $1.65

ONE DOZEN IN A BOX.



Length 1⅞ Inches, Fibre Handle, Brass Lined, One Blade, Glazed.

No. 982-B—Black handle, per gross .....**AJHJ** $20.00

No. 982-T—Tan handle, per gross.....**AJHJ** $20.00

ONE DOZEN IN A BOX.



Length 2⅞ Inches, Cocoa Handle, Iron Lined, One Blade, Glazed, Iron Bolster.

No 0356—Hollowed bolster, per dozen .....**JIJ** $1.65

No. 1537-R—Flush bolster, per dozen .....**JIE** $1.75

ONE DOZEN IN A BOX.



No. 0720½—Length 2¾ in., iron handle, 1 blade, glazed, 14 in. nickel plated chain .....per dozen **JIJ** $1.65

ONE DOZEN ON AN EASEL CARD. WE DO NOT SELL A SMALLER QUANTITY.



No. 5017—1 blade, glazed, iron handle, iron lined, hollow bolster, length 3½ in. .....per dozen **JIJ** $1.65

ONE DOZEN IN A BOX.



Easy Opener, Length 3¼ Inches, Iron Lined, Iron Bolster, One Blade, Glazed.

No. 1596-E—Ebony handle, per dozen .....**JIE** $1.75

No. 1596-DW—Cocoa handle, per dozen..... **JIE** $1.75

ONE DOZEN IN A BOX.



No. 5011.

CRUSO, One Blade, Glazed, Iron Lined, Iron Bolster, Length 3½ Inches.

No. 5011—Stag handle, per dozen .....**AAJ** $2.00

No. 5010—Rosewood handle, per dozen .....**AAJ** $2.00

ONE-HALF DOZEN IN A BOX.



No. 5018—1 blade, glazed, black wood handle, iron lined and bolster, length 3¼ in. .....per dozen **ABJ** $2.20

ONE DOZEN IN A BOX.



No. 5135—Cruso, easy opener, 1 blade, glazed, rosewood handle, iron lining and bolster, length 3 in., 15 in. nickel plated chain ..per dozen **AEJ** $2.75

ONE DOZEN IN A BOX.



No. 7067—Length 3 in., iron handle, 2 blades, glazed, iron lined, per dozen .....**JIJ** $1.65



No. 0768—Easy opener, length 3¾ in., cocoa handle, iron lined, German silver shield, steel bolster, 15 in. nickel plated chain ..per dozen **AEJ** $2.75



Length 3¼ Inches, Iron Lined, Steel Bolster, Two Blades, Glazed.

No. 0686—Ebony handle, per dozen .....**ADE** $2.65

No. 0687—Cocoa handle, per dozen .....**ADE** $2.65



No. 5130.

CRUSO, Length 3¼ Inches, Two Blades, Glazed, Black Bone Handle, Iron Lining.

No. 5130—Large blade, spear point, per dozen .....**BAJ** $3.90

No. 5131—Large blade, clip point, per dozen .....**BAJ** $3.90

ONE DOZEN IN A BOX.



No. 0235—2 blades, glazed, white bone handle, iron lining, German silver shield, steel bolster, length 3¼ in., per dozen .....**BDJ** $4.45



No. 5272—Morley Barlow, 2 blades, glazed, steel lined and bolster, brown bone handle, length 3¼ in., per dozen .....**BDJ** $4.45

ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

CRUSO.



No. 5200.

Two Blades, Glazed, Brass Lined Single Bolster, Length 3½ Inches.

No. 5200—Rosewood handle, per dozen .....**BAJ** $3.90
No. 5201—Stag handle, per dozen .....**BAJ** $3.90
No. 5202—Ebony handle, per dozen .....**BAJ** $3.90



No. 5209—Two blades, glazed, brass lined, single bolster, rosewood handle, length 3¼ in., per dozen **BAJ** $3.90



No. 5080.

Two Blades, Glazed, Iron Lining and Bolster, Length 3 Inches, 15 Inch Nickel Plated Chain.

No. 5079—Rosewood handle, per dozen .....**BDJ** $4.45
No. 5080—Ebony handle, per dozen .....**BDJ** $4.45

MISCELLANEOUS.



No. 0671.

Length 3½ Inches, Iron Lined, German Silver Shield, Steel Bolster, Two Blades, Glazed, 18 Inch Nickel Plated Chain.

No. 0670—Ebony handle, per dozen .....**BDJ** $4.45
No. 0670½—White bone handle, per dozen .....**BDJ** $4.45
No. 0671—Cocoa handle, per dozen .....**BDJ** $4.45
No. 0672—Stag handle, per dozen .....**BDJ** $4.45

ONE-HALF DOZEN IN A BOX.

CRUSO.



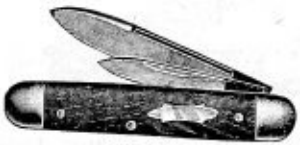
No. 5217—Two blades, glazed, brass lined, single bolster, rosewood handle, length 3¼ in., 15 in. nickel plated chain, per dozen **BDJ** $4.45



No. 5192.

Two Blades, Steel Lined, Steel Cap and Bolster, Length 3½ Inches.

No. 5192—Rosewood handle, per dozen..... **BAE** $4.00

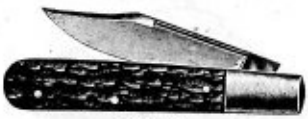


No. 5213.

Two Blades, Glazed, Steel Lined, Double Bolster, Length 3¼ Inches.

No. 5213—Rosewood handle, per dozen .....**BGJ** $5.00
No. 5214—Stag handle, per dozen .....**BGJ** $5.00

ONE-HALF DOZEN IN A BOX.



No. 5271.

One Blade Barlow, Glazed, Steel Lined and Bolster, Length 4¼ Inches.

No. 5271—Stag handle, per dozen .....**BDJ** $4.45
No. 5270—Brown bone handle, per dozen .....**BDJ** $4.45

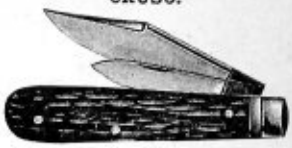
ONE DOZEN IN A BOX.



No. 5218—Two blades, glazed, steel lined, single bolster, length 3⅜ in., per dozen .....**BDJ** $4.45

ONE-HALF DOZEN IN A BOX.

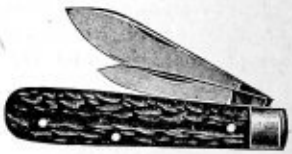
CRUSO.



No. 5204.

Two Blades, Glazed, Brass Lined, Single Bolster, Length 3½ Inches.

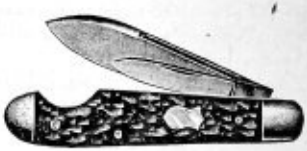
No. 5203—Rosewood handle, per dozen .....**BAJ** $3.90
No. 5204—Stag handle, per dozen .....**BAJ** $3.90
No. 5205—Ebony handle, per dozen .....**BAJ** $3.90



No. 5207.

Two Blades, Glazed, Brass Lined, Single Bolster, Length 3¼ Inches.

No. 5206—Rosewood handle, per dozen .....**BAJ** $3.90
No. 5207—Stag handle, per dozen .....**BAJ** $3.90
No. 5208—Ebony handle, per dozen .....**BAJ** $3.90



No. 5211.

Easy Opener, Two Blades, Glazed, Steel Lined Cap and Bolster, Length 3⅜ Inches.

No. 5210—Rosewood handle, per dozen .....**BGJ** $5.00
No. 5211—Stag handle, per dozen .....**BGJ** $5.00

ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

CRUSO.



No. 5227—Two blades, polished, brass lined, German silver bolsters, stag handle, length 3½ in.,
per dozen .....**BDJ** $4.45



No. 5219—Two blades, glazed, brass lined, double bolsters, stag handle, length 3¼ in., per dozen **BDJ** $4.45



No. 5220—Two blades, glazed, brass lined, German silver bolsters, stag handle, length 3¼ in.,
per dozen .....**BDJ** $4.45

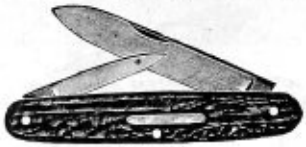


No. 5228—Two blades, polished, brass lined, German silver bolsters, stag handle, length 3⅛ in.,
per dozen .....**BDJ** $4.45



No. 5226—Two blades, polished, brass lined, German silver bolsters, stag handle, length 3⅛ in.,
per dozen .....**BDJ** $4.45

CRUSO.



No. 5236.

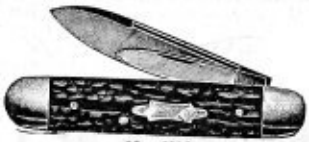
Two Blades, Full Polished, Brass Lined, Length 3½ Inches.
No. 5235—Buffalo horn handle,
per dozen .....**BDJ** $4.45
No. 5236—Stag handle,
per dozen .....**BDJ** $4.45

W. H. MOREY & SONS.



No. 7859-S—Four blades, polished, brass lined, German silver tips, stag handle, length 3 in.,
per dozen .....**BDJ** $4.45

CRUSO.

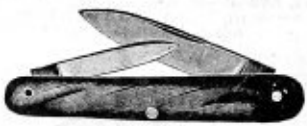


No. 5216.

Two Blades, Glazed, Brass Lined, German Silver Bolsters, Length 3⅝ Inches.
No. 5215—Rosewood handle,
per dozen .....**CJJ** $5.55
No. 5216—Stag handle,
per dozen .....**CJJ** $5.55



No. 5264—Cattle knife, three blades, polished, brass lined, German silver bolsters, stag handle, length 3⅝ in., per dozen .....**DHJ** $8.90



No. 5233.

Two Blades, Full Polished, Brass Lined, Length 3½ Inches.
No. 5233—Buffalo horn handle,
per dozen .....**BDJ** $4.45
No. 5234—Stag handle,
per dozen .....**BDJ** $4.45

ONE-HALF DOZEN IN A BOX.

CATTLE KNIVES.

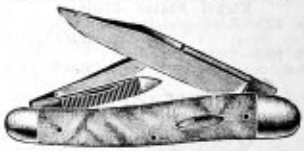


Cattle Knives, Three Blades, One Clip, One Sheep Foot and One Spey Blade, Polished, Brass Lined, German Silver Bolster.
No. 5263—Cruso, etched "Premium stock knife," stag handle, length 4 in. .....per dozen **DHJ** $8.90
No. 3227-S—Morley, etched "Premium stock knife," stag handle, length 4 in. .....per dozen **DHJ** $8.90
No. 3226-S—Wadsworth, stag handle, length 3¼ in., per dozen **DHJ** $8.90
No. 3226-B—Wadsworth, bone handle, length 3¼ in., per dozen **DHJ** $8.90
No. 7582-P—Morley, pearl handle, length 3¼ in. .....per dozen **JIFJ** $17.75
No. 7579-P—Morley, three blades, 1 clip, 1 pen and 1 file blade, pearl handle, length 3⅜ in., per dozen **JIFJ** $17.75

CRUSO.



Two Blades, Brass Lined, German Silver Bolsters, Length 3 Inches.
No. 7268—Iris-Celluloid handle, polished, per dozen .....**DBJ** $7.75
No. 5231—Stag handle,
per dozen .....**BDJ** $4.45
No. 5021—White bone handle, glazed, per dozen .....**BDJ** $4.45



Three Blades, Polished, Brass Lined, German Silver Bolsters, Iris-Celluloid Handle, Resembling smoked Pearl.
No. 5196—Length 3⅛ in.,
per dozen .....**DHJ** $8.90
No. 3249—Length 3 in.,
per dozen .....**DHJ** $8.90



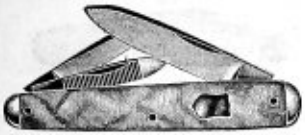
No. 5223.

Two Blades, Polished, Brass Lined, German Silver Bolsters, Length 3¼ Inches.
No. 5223—Iris—celluloid—handle, resembling smoked pearl,
per dozen .....**BDJ** $4.45
No. 5224—Stag handle,
per dozen .....**BDJ** $4.45

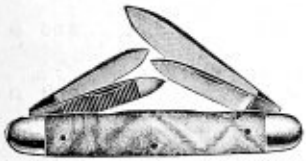
ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

CRUSO.

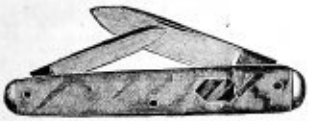


No. 5197—Three blades, polished, brass lined, German silver tips, Iris—celluloid—handle, resembling smoked pearl, length 3¾ in., per dozen .....**DHJ** $8.90



No. 5198—Four blades, polished, brass lined, German silver bolsters, Iris—celluloid—handle, resembling smoked pearl, length 3¾ in., per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.



No. 5225—Two blades, polished, brass lined, German silver tips, Iris—celluloid—handle, resembling smoked pearl, length 3⅛ in., per dozen .....**BDJ** $4.45



No. 5190—Two blades and scissors, polished, brass lined, Iris—celluloid—handle, resembling smoked pearl, length 2¾ in., per dozen **DHJ** $8.90



Length 3½ In., Polished, Brass Lined, German Silver Tips, Iris-Celluloid Handle, Resembling Smoked Pearl.

No. 7265—Morley, 2 blades, per dozen .....**DBJ** 7.75

No. 5199—Cruso, 4 blades, per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS.



No. 5015—Steel lined, steel bolster, length of pearl 1 in., length of knife closed 2½ in., per dozen **BDJ** $4.45

Two Blades, Pearl Handle, Polished, Brass Lined, German Silver Bolster.

No. 9760—Wadsworth, length of pearl 1⅞ in., length of knife closed, 2⅝ in., per dozen .....**DCJ** $8.00

No. 9744—Wadsworth, length of pearl 2 in., length of knife closed 2⅝ in., per dozen .....**DCJ** $8.00

No. 9404½—Wadsworth, German silver lining, length 2⅝ in. per dozen .....**DEJ** $8.35

No. 9474—Wadsworth, shielded, length 2¼ in. .....per dozen **DHJ** $8.90

No. 7167-P—Morley, length 3 in., per dozen .....**DHJ** $8.90

No. 9204-P—Wadsworth, length 3 in., per dozen .....**DHJ** $8.90

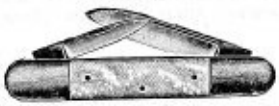


Two Blades, Pearl Handle, Polished, Brass Lined, German Silver Bolsters.

No. 9747—Wadsworth, length 2⅝ in., per dozen .....**DCJ** $8.00

No. 7169-P—Morley, length 2⅞ in., per dozen ..... **DHJ** $8.90

CRUSO.



No. 5239—Two blades, polished, brass lined, German silver bolsters, pearl handle, length 2⅞ in., per dozen .....**DHJ** $8.90



No. 5016—Two blades, glazed, pearl handle, steel lining, steel bolsters, length 2⅝ in., per dozen **BDJ** $4.45



No. 5007—Two blades, polished, pearl handle, brass lining, German silver bolsters, length 2¾ in., per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

CRUSO.



No. 5251.

German Silver Bolsters, Polished, Brass Lined.

No. 7269—Morley, 2 blades, Iris-Celluloid handle, length 3½ in., per dozen .....**DBJ** $7.75

No. 5251—Cruso, 2 blades, pearl handle, length 3½ in., per doz. **DHJ** $8.90

No. 7918-P—Morley, 4 blades, pearl handle, length 3⅛ in., per dozen .....**JIFJ** $17.75



No. 7576-P—Morley, 3 blades, polished, pearl handle, brass lined, German silver bolsters, length 3½ in., per dozen .....**JIFJ** $17.75



No. 7577-P—Morley, 3 blades, polished, pearl handle, brass lined, German silver bolster, length 3¼ in., per dozen .....**JIFJ** $17.75



No. 5249.

Pearl Handle, Polished, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5249—Three blades, per dozen .....**DHJ** $8.90

No. 5250—Four blades, per dozen .....**DHJ** $8.90



No. 5243.

Length 3¼ In., Polished, Brass Lining, Fancy German Silver Bolsters.

No. 7266—Morley, 2 blades, Iris-Celluloid handle, per dozen **DBJ** $7.75

No. 5243—Cruso, 4 blades, pearl handle, per dozen .....**DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

CRUSO.



No. 5245—Three blades, polished, brass lined, German silver bolster, pearl handle, length 3½ in.,
per dozen ..... **DHJ** $8.90



No. 5246—Three blades, polished, brass lined, German silver bolsters, pearl handle, length 3 in.,
per dozen ..... **DHJ** $8.90



No. 5240.

Pearl Handle, Polished, Brass Lined, German Silver Bolsters.

No. 5241—Cruso, three blades, length 3 in., per doz..... **DHJ** $8.90

No. 5240—Cruso, four blades, length 3 in., per dozen.....**DHJ** $8.90

No. 7915—Morley, four blades, length 3¼ in., per dozen.....**JIFJ** $17.75

ONE-HALF DOZEN IN A BOX.

CRUSO.



No. 5247.

Polished, Brass Lined, German Silver Bolster.

No. 7271—Morley, 2 blades, Iris-Celluloid handle, length 3½ in.,
per dozen .....**DBJ** $7.75

No. 5247—Cruso, 4 blades, pearl handle, length 2⅞ in., per doz., **DHJ** $8.90

No. 7916-P—Morley, 4 blades, pearl handle, length 3¼ in.,
per doz. .....**JIFJ** $17.75



No. 5244.

Pearl Handle, Polished, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5244—Four blades,
per dozen .....**DHJ** $8.90

No. 5248—Three blades,
per dozen .....**DHJ** $8.90



No. 5155—Cruso, length 3 in., ivory grain celluloid handle, stamped with black sunk letters with Merry Christmas on one side and Happy New Year on the other side, two blades, one large pen and one small pen, glazed, brass lined,
per dozen .....**BDJ** $4.45

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS.

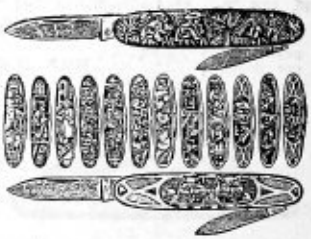


No. 9972.

Two Blades, Iris-Celluloid Handle, Resembling Smoked Pearl, Polished, Brass Lined.

No. 9934—Wadsworth, German silver tips, length 2⅝ in.,
per doz. .....**BDJ** $4.45

No. 9972—Wadsworth, length 3 in., per dozen ..... **BDJ** $4.45



No. 5172—Assortment consisting of one dozen fancy metal handle two-blade boys' and girls' knives, blades nicely polished, handles assorted bronze and silver finish and handsomely embossed with figures of cats, dogs, boys and girls playing games and leap-frog, school and dancing scenes, per assortment .....**BDJ** $4.45

This is one of the best 25 cent retail items ever offered by any one.

ONE DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

BLADES MADE FROM ENGLISH STEEL.



No. 5027.

Two Blades, Warranted English Steel, Glazed, Ivory Grain Celluloid Handle, Stamped Letters, Brass Lining.

No. 5027—Length 3½ in., per dozen .....**DHJ** $8.90



No. 5171—Length 3¼ in., ivory grain celluloid handle, stamped letters, brass lining, two blades—one large eraser, with special shank designed for pencil sharpening and one large regular blade—glazed, warranted English steel ....per dozen **DHJ** $8.90



No. 5161—2 blades, polished, warranted English steel, ivory grain celluloid handle with Woodmen of the World emblem stamped on one side, brass lined, length 3¼ in., per dozen..... **DEJ** $8.35



No. W7249—2 blades, polished, warranted English steel, ivory grain celluloid handle, with Modern Woodmen emblem stamped on one side, brass lined, length 3¼ in., per dozen **DEJ** $8.35



No. W7210—2 blades, polished, warranted English steel, ivory grain celluloid handle with Merry Christmas stamped on one side and Happy New Year stamped on reverse side, brass lined, length 3¼ in., per dozen **DEJ** $8.35



No. W7205—2 blades, polished, warranted English steel, ivory grain celluloid handle with Masonic emblem stamped one one side, brass lined, length 3¼ in., ...per dozen **DEJ** $8.35

ONE-HALF DOZEN IN A BOX.



No. W7202—2 blades, polished, warranted English steel, ivory grain celluloid handle with Odd Fellow's emblem stamped on one side, brass lined, length 3¼ in., per dozen **DEJ** $8.35



No. W7203—2 blades, polished, warranted English steel, ivory grain celluloid handle with Masonic emblem stamped on one side, brass lined, length 3¼ in., per dozen .....**DEJ** $8.35



No. 5091.

Turn Ring Knives, 2 Blades, Polished, Warranted Steel, Brass Lining, German Silver Bolsters, Length 3¼ Inches.

No. 5091—Stag handle, per dozen .....**DHJ** $8.90

No. 5092—Ivory grain celluloid handle, per dozen .....**DHJ** $8.90



No. 5093—Turn ring knife, 2 blades, polished, warranted English steel, brass lining, German silver bolsters and turn rings, length 3¼ in., imitation tortoise shell handle, per dozen .....**DHJ** $8.90

Blades are easily opened by means of German silver turn rings at both ends of handle.

ONE-HALF DOZEN IN A BOX.



No. 5028—Length 3⅛ in., oxidized brass handle, two blades, polished, warranted English steel, no lining, per dozen ..... **DHJ** $8.90



No. 5161—Length 3⅛ in., thin pattern, German silver handle, one large spear blade and one bottle cap opener, warranted English steel, full crocus polished ..... **DHJ** $8.90



No. 5160—Length 3⅛ in., metal handle, bronze finish, artistically embossed on both sides, one large spear blade and one bottle cap opener, full crocus polished .....per dozen **DHJ** $8.90



No. 5095.

Turn Ring Knives, 2 Blades, Polished, Warranted English Steel, All Metal Handle, Without Lining, German Silver Turn Rings, Length 3¼ Inches.

No. 5095—Nickel plated handle, per dozen ..... **DHJ** $8.90

No. 5128—Gun metal finish handle, per dozen ..... **DHJ** $8.90

IMPORTED POCKET KNIVES.

MISCELLANEOUS.



No. 5129—Assortment consists of six thin knives, fancy pearl handles and pearl backs, German silver lining, length 2¾ and 3½ in., crocus polished, with plush covered easel display, per assortment ..... **JGBJ** $13.35



No. 5154—Assortment consisting of one-half dozen W. H. Morley & Sons thin pattern vest pocket knives, length 3 in., gun metal handles, decorated with lodge emblems in colors, assorted one each Shriners, Elks, Odd Fellows, Modern Woodmen of America, Masons and Knights of Columbus, two blades—one large pen and one extra fine patent nail file—full crocus polished, put up on a handsome red plush display easel,
per assortment .....**DHJ** $8.90
ONE ASSORTMENT IN A BOX.

INK ERASERS.



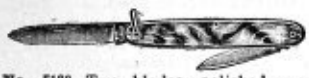
No. 681.

No. 681—Ebony handle, per dozen ..... **CCJ** $5.10
No. 14311—Wostenholm's IXL, ebony handle, crocus polished,
per dozen .....**JFCJ** $11.65
ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS.



No. 5179—Two blades, polished, warranted English steel, smoked pearl celluloid handle, German silver lining, milled back, length 3 in., per dozen ..... **DHJ** $8.90



No. 5180—Two blades, polished, warranted English steel, smoked pearl celluloid handle, German silver lining, milled back, German silver shackle, length 3 in.,
per dozen ..... **DHJ** $8.90
ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.
BLADES MADE FROM ENGLISH STEEL.



Physicians' Knife, 2 Blades, Polished, Warranted English Steel, Brass Lining, German Silver Bolster and Cap, Length 3⅛ Inches.

No. 5071—Stag handle,
per dozen .....**DHJ** $8.90

No. 5072—Buffalo horn handle,
per dozen .....**DHJ** $8.90



No. 5256.

Two Blades, Full Polished, Warranted English Steel, Brass Lined, German Silver Tips, Length 2⅞ Inches.

No. 5256—Stag handle,
per dozen .....**DHJ** $8.90

No. 5257—Bronze—celluloid—handle, per
per dozen .....**DHJ** $8.90



No. 5254—Three blades, polished, warranted English steel, brass lined, German silver tips, stag handle, length 3 in ....per dozen **DHJ** $8.90



No. 5253—Four blades, polished, warranted English steel, brass lined, German silver tips, stag handle, length 3 in ....per dozen **DHJ** $8.90



No. 5159—W. H. Morley & Sons, length 3½ in., thin pattern, two blades—one large spear and one pen, full crocus polished and one fine cork screw, polished—gun metal handle,
per dozen .....**DHJ** $8.90
ONE-HALF DOZEN IN A BOX.



No. 5255—Four blades, polished, warranted English steel, brass lined, German silver bolsters, stag handle, length 3 in ....per dozen **DHJ** $8.90



No. 5261—One blade and one long nail file, polished, warranted English steel, shaped gun metal handle, very thin, length 3 in.,
per dozen .....**DHJ** $8.90



No. C5156—Length 2⅞ in., gun metal handle, thin pattern, four blades, full crocus polished,
per dozen .....**AJHJ** $20.00



No. C5157—Length 2¾ in., gun metal handle, thin pattern, full crocus polished .....per dozen **ACEJ** $25.00



No. 5237.

Two Blades, Glazed, Warranted English Steel, Brass Lined, Length 3⅜ Inches.

No. 5237—Bronze—celluloid—handle, per dozen ..... **BDJ** $4.45

No. 5238—Iris—celluloid—handle, per dozen ..... **BDJ** $4.45
ONE-HALF DOZEN IN A BOX.

IMPORTED POCKET KNIVES.

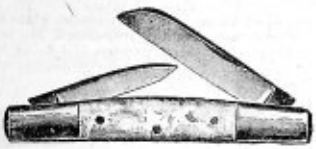
CRUSO.



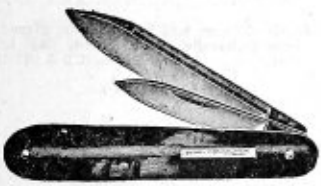
No. 5273—Pearl handle, two blades, brass lining, German silver bolsters, length 2½ in., per dozen **BAE** $4.00



No. 5274—Pearl handle, two blades, brass lining, German silver bolsters, length 2⅝ in., per dozen **BAE** $4.00



No. 5275—Pearl handle, two blades, brass lining, German silver bolsters, length 2¾ in., per dozen **BAE** $4.00



No. 5277.

Two Blades, Polished, Brass Lined, German Silver Shield, Length 3⅛ Inches.

No. 5276—Stag handle, per dozen .....**BDJ** $4.45

No. 5277—Buff horn handle, per dozen .....**BDJ** $4.45

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

Blades Made From English Steel.



No. 5262—Two blades, glazed, warranted English steel, brass lined, German silver cap and bolster, pearl handle, length 2⅝ in., per dozen .....**DHJ** $8.90

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

Blades Made From English Steel.



No. 5258—Two blades, full polished, warranted English steel, brass lined, Iris — celluloid — handle, resembling smoked pearl, length 3⅛ in., per dozen ..... **DHJ** $8.90



No. 5260.

Two Blades, Full Polished, Warranted English Steel, German Silver Lining, Milled Back, German Silver Tips, Very Thin, Length 3⅛ Inches.

No. 5260—Iris—celluloid—handle, resembling smoked pearl, per dozen .....**DHJ** $8.90

No. 5259—Stag handle, per dozen .....**DHJ** $8.90



No. 5268.

Pearl Handle, Polished, Warranted English Steel, Brass Lined, German Silver Bolsters, Length 3 Inches.

No. 5268—Three blades, per dozen .....**JHAJ** $15.00

No. 5269—Four blades, per dozen .....**JHAJ** $15.00

ONE-HALF DOZEN IN A BOX.

W. H. MORLEY & SONS' CLOVER LEAF BRAND.

Blades Made From English Steel.



No. 5070—Three blades, 1 large pen and 1 small pen and 1 file, polished, warranted English steel, pearl handle, brass lining, German silver bolsters, length 3⅛ in., per dozen **JGBJ** $13.35



No. 5069—Three blades, polished, brass lined, German silver bolsters, pearl handle, length 2¾ in., per dozen .....**JIJJ** $16.65



No. 5068—Four blades, polished, warranted English steel, pearl handle, brass lining, German silver bolsters, length 3⅛ in., per doz. **JIJJ** $16.65



No. 5116.

Warranted English Steel Blades, Polished, Pearl Handle, Brass Lining, German Silver Bolsters, Length 3 Inches.

No. 5116—Four blades, per dozen .....**AJBJ** $18.90



No. 5266.

Pearl Handle, Polished, Warranted English Steel, Brass Lined, German Silver Tips, Length 3 Inches.

No. 5266—Four blades, per dozen .....**AJHJ** $20.00

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

CRUSO.



No. C5167—2 blades and cork screw, full polished, stag, brass lined, 3½ in. closed .....per dozen **DEJ** $8.35

No. C5166—2 blades and cork screw, full polished, black buffalo, brass lined, 3½ in. closed, per dozen **DEJ** $8.35



No. C5169—2 blades and cork screw, full polished, shell celluloid, brass lined, 3½ in. closed, per dozen **DEJ** $8.35

No. C5168—2 blades and cork screw, full polished, white bone handle, brass lined, 3½ in. closed, per dozen .....**DEJ** $8.35

ONE-HALF DOZEN IN A BOX.

WADSWORTH.

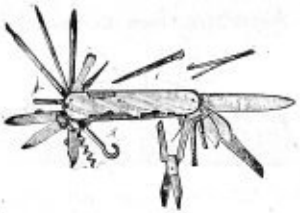


No. 5004—2 blades and cork screw, full polished, stag, brass lined, 3⅞ in. closed .....per dozen **DHJ** $8.90

No. 5005—2 blades and cork screw, full polished, gray buffalo, brass lined, 3⅞ in. closed, per dozen **DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

COMBINATION POCKET KNIVES.



No. 7743-P—6 tools, comprising 2 blades, 1 scissors, 1 file, 1 cork screw, 1 button hook, pearl handle, rope milled brass lined, crocus polished, 2⅞ in., per dozen ..... **CBDJ** $60.00

No. 7809-P—11 tools, comprising 3 blades, 1 scissors, 1 cork screw, 1 button hook, 1 file, 2 awls, 2 picks, pearl handle, rope milled German silver lining, crocus polished, 3⅛ in., per dozen .....**EACJ** $95.00

ONE-HALF DOZEN IN A BOX.

THE ONLY OFFICIAL BOY SCOUT KNIVES.



No. 1—1 large blade, 1 Harrison punch, 1 can opener, 1 combination screw driver and bottle opener, polished, stag handle, with German silver shield, stamped **"Be Prepared,"** brass lined with large German silver shackle for attaching to the belt, 3⅝ in. closed .....per dozen **AJHJ** $20.00

No. 2—2 blades, polished, ebony handle with German silver shield, stamped **"Be Prepared,"** brass lined, large German silver shackle for attaching to the belt, 3½ in. closed, per dozen ..... **DHJ** $8.90

ONE-HALF DOZEN IN A BOX.

J. RUSSELL & CO.'S BARLOWS.



No. 16—1 blade, glazed, black enameled, iron handle, 2¾ in. closed, per dozen .....**AJJ** $1.90



No. 60—1 large blade, glazed, brown bone handle, iron lined, 3⅜ in. closed, per dozen .....**AHJ** $3.35

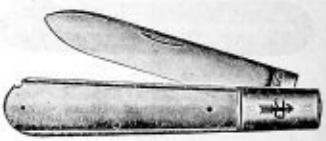
No. 62—1 large and 1 pen blade, glazed, brown bone handle, iron lined, 3⅜ in. closed .....per dozen **CJJ** $5.55



No. 65—1 large blade, glazed, brown bone handle, iron lined, 3⅜ in. closed, per dozen .....**AHJ** $3.35

No. 66—1 large and 1 pen blade, glazed, brown handle, iron lined, 3⅜ in. closed .....per dozen **CJJ** $5.55

ONE DOZEN IN A BOX.



No. 0600—1 clip blade, glazed, brown bone handle, iron lined, 5 in. closed, per dozen .....**CGJ** $6.90

No. 0601—1 spear blade, glazed, brown bone handle, iron lined, 5 in. closed, per dozen .....**CGJ** $6.90

ONE DOZEN IN A BOX.



No. 6000—1 clip blade, glazed, brown bone handle, iron lined, 5 in. closed, per dozen .....**CGJ** $6.90

ONE-HALF DOZEN IN A BOX.

POCKET KNIVES.

TOOL KNIVES.



No. 3-H—Five tools, 1 large blade, 1 punch, 1 screw driver, 1 hoof cleaner, 1 combination pincer and iron cutter, glazed, stag, brass lined, length 4¼ in., closed, per doz. **ABFJ** $23.25

COMBINATION KNIVES.



No. 7945-R—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 cork screw, 1 punch, 1 combination screw-driver and tack claw, polished, red fibre handle, with large head, German silver rivets, brass lined, 3⅝ in. closed .....per dozen **ADDJ** $26.65

No. 7944-B—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 cork screw, 1 punch, 1 combination screw-driver and tack claw, polished, black fibre handle with large head, German silver rivets, brass lined, 3⅝ in. closed .....per dozen **ADDJ** $26.65



No. 5195—Morley, five tools, 1 punch, 1 large blade, 1 pair of pliers, 1 pair of wire cutters, 1 screw driver, stag brass lined, steel bolsters and shackle, made of finest English steel, length over all 4½ in., closed .....per dozen **ADDJ** $26.65

ONE-HALF DOZEN IN A BOX.

ARMY KNIVES.



No. 2706 REVENOC—1 large blade, length 4 in., 1 double edge can opener blade, full length 2 in., 1 marlin spike blade, full length 4½ in., length closed 4⅞ in., stag handle, steel lined, steel cap and bolster, copper plated steel toggle for attaching to halyard or rope, per dozen ..... **AAGJ** $21.65

This is the Official Standard Army Knife adopted by, and now in use by most European nations.

ONE-HALF DOZEN IN A BOX.

PRESS BUTTON KNIVES.



No. 953—1 large clip blade, etched, The Victor, polished, stag, iron lined with German silver guard, 4⅞ in. closed, per dozen .....**AADJ** $21.10



No. 942—1 spear and 1 pen blade, full polished stag brass lined 3⅛ in. closed .....per dozen **JGBJ** $13.35

No. 957—1 clip and 1 pen blade, full polished, stag, brass lined, 3⅛ in. closed .....per dozen **JGBJ** $13.35

ONE-HALF DOZEN IN A BOX.

PRESS BUTTON KNIVES.



No. 943—1 large clip blade, etched business, polished, stag, iron lined, 4 in. closed..per dozen **JGBJ** $13.35

No. 944—1 large clip blade etched invincible, polished, stag, iron lined, 4⅛ in. closed..per dozen **JHDJ** $15.55

ONE-HALF DOZEN IN A BOX.

CARTRIDGE KNIVES.





No. 30-N—1 blade, straight, Krag-Jorgensen Cartridge, glazed, 3⅝ in. closed, 4⅜ in. open, per dozen .....**CJJ** $5.55

The handle is made from genuine 30-caliber U. S. Army Krag-Jorgenson cartridge. The blade is finest quality Wardlow steel. A fine item for souvenir purposes.

ONE-HALF DOZEN IN A BOX.

SWEDISH FOLDING KNIVES.



One Blade, Full Polished, Highest Grade Steel, Birch Wood Handle, Brass Lined, Ring At End For Chain. ....

No. 02—Length closed 3¾ in., blade 3 in. .....per dozen **JGBJ** $13.35

No. 01—Length closed 4¼ in., blade 3½ in. .....per dozen **JGBJ** $13.35

ONE-HALF DOZEN IN A BOX.

OUR VERY BEST IMPROVED CUTLERY SHOW CASES.



FLOOR DISPLAY CASES.

Our No. 900 OUR VERY BEST show cases are made of selected white oak thoroughly hand made and of natural oak finish, highly hand polished, the top is ½ in. bevel French plate glass laid in plush on green felt cushions, selected double strength glass front and ends and glass sliding dust proof doors in the back that move on ball bearings and steel track.

The inside has 10 in. and 14 in. paneled oak shelves, the front edges of which are fitted with an oak lip extending ¼ in. above the shelf proper to prevent the goods from being pushed off the shelves, these shelves are supported by adjustable nickel plated brackets, cloth lined paneled bottom.

One of the latest improvements in these cases are the steel strength mitered joints, which means that the mitred joints in our cases are reinforced with steel, making the weakest part the strongest—this is a most important point to be considered.

Made either knockdown or set up and of standard measurements, 42 in. high, and 26 in. wide outside dimensions.

No. 900—5 ft. long, free of charge with $300.00 worth of cutlery, shipping w't 285 lbs., value of case★.....$35.00

No. 900—6 ft. long, free of charge with $400.00 worth of cutlery, shipping w't 325 lbs., value of case★.....$40.00

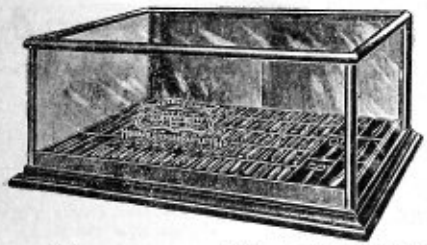
No. 900—8 ft. long, free of charge with $500.00 worth of cutlery, shipping w't 430 lbs., value of case★.....$50.00

No. 900—10 ft. long, free of charge with $600.00 worth of cutlery, shipping w't 400 lbs., value of case★.....$60.00

A FULL COMPLEMENT OF SILK PLUSH TOP CUTLERY BOXES GOES WITH EACH CASE GRATIS.

WHERE A CUSTOMER CANNOT BUY THE FULL AMOUNT OF CUTLERY AT ONE PURCHASE, but desires a Cutlery Show Case, we send same and CHARGE TO HIS ACCOUNT at prices noted, AND ON THE BOTTOM OF THE BILL WE PRINT THE FOLLOWING CONTRACT.

CONTRACT—We desire to make plain that in sending the above case and charging it to your account **IT MUST BE PAID FOR** at the maturity of this bill. We will credit your account with the above charge for Cutlery Case when you have purchased $.....—**The required amount is inserted here**—worth of Pocket Cutlery, Table Cutlery, Butcher's Cutlery, Razors, OUR VERY BEST and RIVOARC Safety Razors, Razor Strops, Lather Brushes, Spatulas, Painter's Cutlery, Hones, OUR VERY BEST Silver Metal Goods, OUR VERY BEST Flat Ware, Scissors and Shears, Toilet and Horse Clippers,—not including Power Clippers,—Carvers, Manicure Goods, Combs, Key Rings and Key Chains, provided said purchases are made within one year from date of this invoice. **Not more than one show case to be furnished on these terms.**



COUNTER DISPLAY CASES.

Free of Charge with $100.00 Worth of Cutlery.

No. 0301—Oak, combination case, 40½ in. long, 27¼ in. wide, 17 in. high, contains boxes for 45 patterns of pocket knives, 6 patterns of scissors and shears and 6 pattern of razors, finished in oak with inside silk plush trimmings, w't crated 100 lbs., value of case★.....$12.00

Free of Charge with $200.00 Worth of Cutlery.

No. 0401—Oak, large pocket knife case, 54 in. long, 27¼ in. wide, 17 in. high, contains boxes for 95 patterns of pocket knives, finished in oak with inside silk plush trimmings, w't crated 150 lbs., value of case★.....$16.00

These cases are a great improvement over most cutlery cases made, and are both handsome and convenient. The case has a 2½ in. green silk plush covered base running around inside at bottom, and each case is furnished with individual silk plush top boxes for pocket knives, razors and shears. These boxes are made to hold one dozen of each article, with a handsome plush top on which to exhibit the samples. The case is of best material and workmanship, lettered as per illustration. The sliding mirror doors do away with the drawer and swinging doors as used in the old style cases, which proved very inconvenient, especially where the space behind the counter was limited. The price of the show case is not figured or added to cost of goods at all. We place the best price on our cutlery at which we can sell the goods separately, and the case we furnish with the idea of giving our customers a case which will prove a useful ornament to their stores and valuable in assisting them in selling goods and keeping the stock in good order and complete.

A FULL COMPLEMENT OF SILK PLUSH TOP CUTLERY BOXES GOES WITH EACH CASE GRATIS.



Free of Charge with $50.00 Worth of RIVOARC Scissors, Shears and Cutlery.

No. 500—For scissors and shears, polished oak frame, height 28 in., width 14½ in., depth 16 in., hinged glass door in rear, top and bottom lined with silk plush, nickel plated interior standard with revolving adjustable arms to display 72 patterns of scissors and shears, w't 35 lbs.....each $7.50



Free with $100.00 Worth of Razor Strops.

No. 100—For razor strops, heavy plate glass front and sides, and plate glass top, mahogany base and hinged door on back to match, height 36 in., width 15 in., depth 15 in., fitted with nickel plated rack and hooks for displaying 8 doz. swing razor strops, w't 75 lbs., each.....$10.00

★FOR FACTORY SHIPMENT ONLY.

SHOW CASES, CUTLERY BOXES, CORK BALLS AND KNIFE PURSES.

CUTLERY DISPLAY CASES FOR OUTSIDE USE.



Free with $100.00 Worth of Cutlery.

No. C98 — Height 50 in., width 6 in., depth 7¼ in., heavy plate glass front and sides, steel bound at top, bottom and back, fitted on inside with removable display box, green oil cloth covered, has 39 brass hooks for pocket knives, scissors, shears and razors, shipping w't each 65 lbs., value of case $10.00

ONE IN A WOOD BOX.

CUTLERY BOXES.

For samples and stock, heavy cardboard, leatherette covered, removable wood plush cover top, for show case display, embossed metal plate showing trade mark.



No. 400 —Pocket knife, length 4½ in., width 2½ in., height 2¼ in., per dozen .....ADE $2.40

No. 401 —Razor, length 7¼ in., width 2½ in., height 2¼ in., per dozen .....BAE $3.60

Scissors and Shears.

Nos.	402	403	404	405
Length, in..	6¼	7¼	8¼	10½
Width, in...	3	3	3	3½
Height, in...	2¼	2¼	2¼	2¼
Per dozen ..	$3.60	3.60	3.60	4.80
	BAE	BAE	BAE	BIJ

No. 406—Table knives and forks, length 10½ in., width 2½ in., height 3¼ in., per dozen .....BAE $3.60

No. 407—Butcher knives, length 14 in., width 2 in., height 3¼ in., per dozen .....BAE $3.60



Individual Folding Cartons, Holds One Pocket Knife, Nicely Printed in Blue, Black and Gold in Our Trade Mark.

No. 35—Length 3½ in., width ⅜ in., height ½ in. .....per 100 FJ $0.50

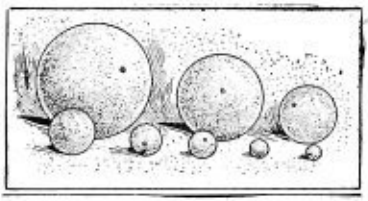
No. 40—Length 4 in., width 1 in., height ¾ in. .....per 100 FJ $0.50

TABLE CUTLERY BOXES.



No. 1 —With brass clasps, attractively labeled with label, height 10½ in., depth 8½ in., width 3½ in. .....per dozen ADE $2.40

CORK BALLS.



Diam., in.	4	5	6
Each	$0.75	1.20	1.95
	GJ	AAJ	AGE
Diam., in.	7	8	9
Each	$3.00	3.90	6.30
	BGJ	CEJ	EFE
Diam., in.	10	11	12
Each	$8.25	12.00	15.60
	GDE	AJHJ	ADJE

Cork balls are very much in demand for displaying pocket knives, scissors, etc., in show windows. Each ball has a small hole through center for attaching cord, and when suspended from window and covered with pocket knives with blades all opened, it makes a very attractive affair and attracts attention. The ball can be used indefinitely, and we do not know of anything in the way of window display that will give such long and excellent service for the money.

KNIFE PURSES.



Smooth Kid, Silk Stitching Nickel Plated Pocket Book Clasp.

Nos.	M1	M2	M3
Length, in.	3	3⅛	3½
Per dozen	$1.20	1.20	1.20
	JGJ	JGJ	JGJ
Nos.		M4	M5
Length, in.		4	4½
Per dozen		$1.20	1.20
		JGJ	JGJ

THREE DOZEN IN A BOX.



Fine Imported Smooth Kid, Silk Stitching, with Nickel Plated Button Clasp.

Nos.	RB1	RB2	RB3
Length, in.	2½	2⅞	3¼
Per dozen	$1.20	1.20	1.20
	JGJ	JGJ	JGJ
Nos.		RG4	RB5
Length, in.		3¼	4
Per dozen		$1.20	1.20
		JGJ	JGJ

THREE DOZEN IN A BOX.



Smooth Kid, Silk Stitching with Solid Brass Embossed Button Clasp.

Nos.	1	2	3
Length, in.	2½	2⅞	3¼
Per dozen	$1.20	1.20	1.20
	JGJ	JGJ	JGJ
Nos.		4	5
Length, in.		3¼	4
Per dozen		$1.20	1.20
		JGJ	JGJ

THREE DOZEN IN A BOX.

KNIFE PURSE ASSORTMENTS.

No. 12 —Assortment consists of 12 knife purses, assorted sizes, on attractive stiff card, size 11¼x10 in., with easel back and hang up ring .....per assortment JGJ $1.20

TABLE KNIVES AND FORKS.

A careful examination of these goods will prove they have no equal.

Handles.—They are made from first grade, high priced materials—not cheap imitation wood manipulated to appear like the real article. Black handles are genuine imported ebony, red handles are finest Panama cocobolo, white handles are extra quality hard bone. As a consequence they hold their finish and their attractive, wholesome appearance, instead of becoming discolored and soaked with grease after being used a short time.

The handles are long and more symmetrical than other makes, they are more dainty in appearance, fit the hand better and "hang" as perfectly as highest grade goods should, instead of having a clumsy ill-balanced feeling. The forks are models for shape of bend, workmanship and finish, and their temper is unequalled, as can be shown by jamming the fork tines into wood and twisting them.

Bolster.—The metal used in the bolsters is high grade, absolutely without adulteration by lead or spelter, consequently it holds its original finish and does not become dull and cheapen the appearance of the goods. All metal designs are anchored through the handle. Warping and consequent cracking of handles is impossible. The metal work fits the handle with absolute accuracy, there are no cracks or open joints of any kind where dirt or grease can work in and spoil the appearance.



5⅜ Inch Cimeter Blade.

No. 11746—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AJIJ** $18.20

No. 21746—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**ACDE** $22.40

No. 31746—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**AFHJ** $28.00

No. 11744—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....**AAGE** $19.60

No. 21744—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....**ADCJ** $23.80

No. 31744—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....**AGFE** $29.40

No. 11746—Knives only, cocoa handle, per single dozen .....**AAJ** $1.80

No. 21746—Knives only, ebony handle, per single dozen .....**ABE** $2.10

No. 31746—Knives only, white bone handle...per single dozen **AEE** $2.60



5⅜ Inch Cimeter Blade.

No. 12746—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**ACJJ** $21.70

No. 22746—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AEEE** $25.90

No. 32746—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**AHIJ** $31.50

No. 12744—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....**ACHE** $23.10

No. 22744—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....**AFDJ** $27.30

No. 32744—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....**AIGE** $32.90

ONE SET IN A BOX; FOUR SETS IN A CARTON.



5⅜ Inch Cimeter Blade.

No. 11756—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AAGE** $19.60

No. 21756—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**ADCJ** $23.80

No. 31756—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**AGFE** $29.40



5⅜ Inch Cimeter Swaged Blade.

No. 12856—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AEAJ** $25.20

No. 22856—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AGFE** $29.40

No. 32856—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**BAJJ** $35.00



5⅜ Inch Cimeter Blade.

No. 12756—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**ADCJ** $23.80

No. 22756—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AFHJ** $28.00

No. 32756—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**BJAE** $33.60

No. 12756—Knives only, cocoa handle, per single dozen .....**ADJ** $2.30

No. 22756—Knives only, ebony handle, per single dozen .....**AFJ** $2.70

No. 32756—Knives only, white bone handle .....per single dozen **AHE** $3.10

No. 12754—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....**AEAJ** $25.20

No. 32754—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....**BAJJ** $35.00

ONE SET IN A BOX; FOUR SETS IN A CARTON.



5⅜ Inch Cimeter Swaged Blade.

No. 12636—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AEAJ** $25.20

No. 22636—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AGFE** $29.40

No. 32636—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**BAJJ** $35.00

No. 12634—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....**AEIE** $26.60

No. 22634—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....**AHEJ** $30.80

No. 32634—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....**BAHE** $36.40



5⅜ Inch Cimeter Swaged Blade.

No. 12866—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AEAJ** $25.20

No. 22866—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AGFE** $29.40

No. 32866—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**BAJJ** $35.00

No. 12864—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....**AEIE** $26.60

No. 22864—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....**AHEJ** $30.80

No. 32864—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....**BAHE** $36.40



5⅜ Inch Cimeter Swaged Blade.

No. 12876—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AEEE** $25.90

No. 22876—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....**AHJJ** $30.00

No. 32876—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**BADJ** $35.70

ONE SET IN A BOX; FOUR SETS IN A CARTON.

A SET CONSISTS OF 12 PIECES—6 KNIVES AND 6 FORKS.

TABLE CUTLERY.

MEDIUM KNIVES AND FORKS.



5⅛ Inch Cimeter Swaged Blade.

No. 12706—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AGBJ $28.70

No. 22706—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....AIGE $32.90

No. 32706—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....BCAJ $38.50

No. 12704—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....AHJJ $30.00

No. 22704—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....BJFJ $34.30

No. 32704—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....BDJJ $40.00



5⅛ Inch Cimeter Swaged Blade.

No. 12664—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....AHJJ $30.00

No. 32664—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....BDJJ $40.00



5⅛ Inch Cimeter Swaged Blade.

No. 11606—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....ACDE $22.40



5⅛ Inch Cimeter Swaged Blade.

No. 12606—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AEIE $26.60

No. 22606—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....AHEJ $30.80

No. 32606—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....BAHE $36.40

No. 12604—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....AFHJ $28.00

No. 32604—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....BBGJ $37.80



5⅛ Inch Cimeter Swaged Blade.

No. 11656—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....ACDE $22.40

ONE SET IN A BOX; FOUR SETS IN A CARTON.

MEDIUM KNIVES AND FORKS.



5⅛ Inch Cimeter Swaged Blade.

No. 12656—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AEEE $25.90

No. 22656—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....AHJJ $30.00

No. 32656—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....BADJ $35.70



5⅛ Inch Cimeter Swaged Blade.

No. 12806—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AFHJ $28.00

No. 22806—Knives and forks, ebony handle, 3 tine fork, per dozen sets .....AICJ $32.20

No. 32806—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....BBGJ $37.80



⅝ Inch Cimeter Swaged Blade.

No. 12724—Knives and forks, cocoa handle, 4 tine fork, per dozen sets .....AICJ $32.20

No. 22724—Knives and forks, ebony handle, 4 tine fork, per dozen sets .....BAHE $36.40

No. 32724—Knives and forks, white bone handle, 4 tine fork, per dozen sets .....BEBJ $42.00



5⅛ Inch Cimeter Swaged Blade.

No. 3131—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....BJFJ $34.30



5⅛ Inch Cimeter Swaged Blade.

No. 4169—Knives and forks, stag handle, 3 tine fork, per dozen sets .....AICJ $32.20



5⅛ Inch Cimeter Swaged Blade.

No. 4269—Knives and forks, stag handle, 3 tine fork, per dozen sets .....BADJ $35.70

No. 42694—Knives and forks, stag handle, 4 tine fork, per dozen sets .....BBBE $37.50



5⅛ Inch Cimeter Swaged Blade.

No. 4284—Knives and forks, stag handle, 3 tine fork, per dozen sets .....BADJ $35.70

ONE SET IN A BOX; FOUR SETS IN A CARTON.

DESSERT KNIVES AND FORKS.



5 Inch Cimeter Blade.

No. 12746D—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....ABFJ $21.00



5 Inch Cimeter Swaged Blade.

No. 12706D—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AFHJ $28.00



5 Inch Cimeter Blade.

No. 11746D—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....AJEJ $17.50



5 Inch Cimeter Blade.

No. 12756D—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....ACHE $23.10

No. 32756D—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....AIGE $32.90

ONE SET IN A BOX; FOUR SETS IN A CARTON.

INDIVIDUAL MEAT KNIVES.



No. 245C —Steak or Meat, medium size, ebony handle, cimeter swaged blade, per dozen BAJ $3.50

No. 145C —Medium size, cocobola handle, scimeter swaged blade, otherwise same as No. 245C, per dozen .....AHJ $3.00

The desirable feature of this knife is the curved shape of the blade, giving a sharp cutting edge, all the way to the point where it is used. This is the most practical individual meat knife on the market.



No. 9803-F —Medium Knives, French Pattern, 5½ in. blade, octagon scale tang, cocobola handle, with polished steel lap bolster, securely riveted .....per dozen AHJ $3.00

ONE DOZEN IN A BOX.

A SET CONSISTS OF 12 PIECES—6 KNIVES AND 6 FORKS.

TABLE CUTLERY.

INDIVIDUAL STEAK KNIVES.



No. 525-F —Medium Knives, black rubber handle, French pattern blade .....per dozen **DHJ** $8.00

No. 425-F —Medium Knives, plain white celluloid handle, French pattern blade, per dozen **DHJ** $8.00

ONE DOZEN IN A BOX.

SOLID HANDLE KNIVES AND FORKS.



3¾ Inch Black Rubber Handle, Finest Quality Steel Blade, Cimeter Swaged, Extra Finish.

No. 525-C —Medium Knives, per dozen .....**DHJ** $8.00

No. 4525-C —Medium knives and four tine forks....per set **DHJ** $8.00



3¾ Inch Plain White Ivory Celluloid Handle, Finest Quality Steel Blade, Extra Finish.

No. 421 —Medium knives, per dozen .....**CFJ** $6.00

No. 4421 —Medium knives and four tine forks....per set **CFJ** $6.00



3⅝ Inch Grained White Ivory Celluloid Handle, Finest Quality Steel Blade, Cimeter Swaged, Extra Finish.

No. 825-C —Medium knives, per dozen .....**EGJ** $9.50

No. 4825-C —Medium knives and four tine forks....per set **EDJ** $9.00



No. 545-C —Medium knives, 3¼ in. black rubber handle, finest quality steel blade, cimeter sway back, extra finish .....per dozen **DHJ** $8.00



No. 845-C —Medium knives, 3⅝ in. grained white ivory celluloid handle, finest quality steel blade, cimeter sway back, extra finish, per dozen .....**JFFJ** $11.00

KNIVES ONLY, ONE DOZEN IN A BOX; KNIVES AND FORKS, ONE SET IN A BOX.

TABLE KNIVES AND FORKS.



5⅜ Inch Straight Blade.

No. 900—Knives and forks, iron handle, 3 tine fork, per doz. sets **EAJ** $8.50

No. 900—Knives only, iron handle, per single dozen .....**JFJ** $1.00



5⅜ Inch Straight Blade.

No. 1878—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**EAJ** $8.50

No. 1878—Knives only, cocoa handle, per single dozen .....**JFJ** $1.00



5⅜ Inch Straight Blade.

No. 2178—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**JFGJ** $11.20

No. 2178—Knives only, cocoa handle, per single dozen .....**JFE** $1.10



5⅜ Inch Cimeter Blade.

No. 2188—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**JGBJ** $12.00

No. 2188—Knives only, cocoa handle, per single dozen .....**JGJ** $1.20



5⅜ Inch Straight Blade.

No. 2278—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**JHDJ** $14.00

No. 2278—Knives only, cocoa handle, per single dozen .....**JHE** $1.40

NOS. 1878 AND 900 KNIVES AND FORKS, ONE SET IN A BOX; BALANCE KNIVES AND FORKS, TWO SETS IN A BOX; KNIVES ONLY, TWO DOZEN IN A BOX.

TABLE KNIVES AND FORKS.



5⅛ Inch Straight Blade.

No. 511—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**ABIJ** $21.50



5⅜ Inch Cimeter Swaged Blade.

No. 4193-C—Knives and forks, stag handle, single bolster, four tine forks, per dozen sets .....**ADDJ** $24.00

No. 4194-C—Knives and forks, stag handle, double bolster, four tine forks, per dozen sets .....**AFBJ** $27.00



5⅜ Inch Straight Blade.

No. 212—Knives and forks, ebony handle, 3 tine forks, per dozen sets .....**AAAJ** $18.50

No. 512—Knives and forks, white bone handle, 3 tine fork, per dozen sets .....**ADGJ** $24.50



5⅜ Inch Straight Blade.

No. 1010—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**JHGJ** $14.50



5⅛ Inch Straight Blade.

No. 1020—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AJBJ** $17.00



5⅜ Inch Cimeter Swaged Blade.

No. 11210-C—Knives and forks, cocoa handle, 3 tine fork, per dozen sets .....**AAGJ** $19.50

ONE SET IN A BOX.

A SET CONSISTS OF 12 PIECES—6 KNIVES AND 6 FORKS.

CARVING KNIVES AND FORKS.

We guarantee every CVD blade forged and tempered by experienced workmen, from the extra refined crucible steel made for us. Each fork is fitted with a patent guard and rest.

REVONOC WARRANTED.



No. 31 REVONOC—8 in., stag handle knife and fork.....per pair **ABJ** $2.00

No. 31 REVONOC—8 in., stag handle knife, fork and steel.....per set **AGE** $2.90



No. 37 REVONOC—8 in., stag handle knife and fork.....per pair **ABJ** $2.00

No. 37 REVONOC—8 in., stag handle knife, fork and steel.....per set **AGE** $2.90



No. 34 REVONOC—8 in., stag handle knife and fork.....per pair **ABJ** $2.00

No. 34 REVONOC—8 in., stag handle knife, fork and steel.....per set **AGE** $2.90



No. 32 REVONOC—8 in., stag handle knife and fork, silver plated ferrules, per pair .....**ADE** $2.40

No. 32 REVONOC—8 in., stag handle knife, fork and steel, silver plated ferrules, per set .....**BAJ** $3.20



No. 38 REVONOC—8 in., stag handle knife and fork, silver plated ferrules, per pair .....**ADE** $2.40

No. 38 REVONOC—8 in., stag handle knife, fork and steel, silver plated ferrules, per set .....**BAJ** $3.50



No. 35 REVONOC—8 in., stag handle knife and fork, silver plated ferrules, per pair .....**ADE** $2.40

No. 35 REVONOC—8 in., stag handle knife, fork and steel, silver plated ferrules, per set .....**BAJ** $3.50

ONE PAIR OR ONE SET IN A BOX.

CVD WARRANTED.



No. 960 CVD—9 in., selected genuine stag handle knife and fork, per pair .....**AEJ** $2.50

No. 960 CVD—9 in., selected genuine stag handle knife, fork and steel, per set .....**BAJ** $3.50



	8 in.	9 in.
No. 21 CVD—Selected genuine stag handle knife and fork.....per pair	$3.00 **AHJ**	3.50 **BAJ**
No. 21 CVD—Selected genuine stag handle knife, fork and steel, per set	$4.00 **BDJ**	4.50 **BGJ**



No. 26 CVD—8 in., selected genuine stag handle knife and fork, per pair .....**BJJ** $3.30

No. 26 CVD—8 in., selected genuine stag handle knife, fork and steel, per set .....**BFJ** $4.30



No. 10 CVD—8 in., selected genuine stag handle knife and fork, per pair .....**BJJ** $3.30

No. 10 CVD—8 in., selected genuine stag handle knife, fork and steel, per set .....**BFJ** $4.30



No. 27 CVD—8 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair **BDJ** $4.00

No. 27 CVD—8 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set.....**CBJ** $5.30



No. 165 CVD—8 in., genuine stag handle knife, fork and steel, sterling silver ferrules.....per set **BGJ** $4.50



	8 in.	9 in.
No. 25 CVD—Selected genuine stag handle knife and fork, sterling silver ferrules.....per pair	$4.50 **BGJ**	5.00 **CJJ**
No. 25 CVD—Selected genuine stag handle knife, fork and steel, sterling silver ferrules.....per set	$6.00 **CFJ**	6.50 **CIJ**

ONE PAIR OR ONE SET IN A BOX.

CVD WARRANTED.



No. 23 CVD—9 in., selected genuine stag handle knife and fork, per pair .....**DDJ** $4.00

No. 23 CVD—9 in., selected genuine stag handle knife, fork and steel, per set .....**CJJ** $5.00



No. 384 CVD—8 in., selected genuine stag handle knife, fork and steel, with silver plated ferrules and caps, finest quality narrow pattern blade, fork fitted with four prong stationary guard.....per set **CJJ** $5.00



No. 42 CVD—9 in., selected genuine stag handle knife and fork, per pair .....**BDJ** $4.00

No. 42 CVD—9 in., selected genuine stag handle knife, fork and steel, per set .....**CJJ** $5.00



No. 1048 CVD—Genuine stag handle knife, fork and steel, extra heavy solid steel bolster.....per set **CJJ** $5.00



No. 20 CVD—9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair **CJJ** $5.00

No. 20 CVD—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....**CIJ** $6.50



No. 41 CVD—9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair **CJJ** $5.00

No. 41 CVD—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....**CIJ** $6.50



No. 46 CVD—9 in., selected genuine stag handle knife and fork,, sterling silver ferrules....per pair **CJJ** $5.00

No. 46 CVD—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....**CIJ** $6.50



No. 1063 CVD—9 in., genuine stag handle knife, fork and steel, sterling silver ferrules.....per set **CIJ** $6.50

ONE PAIR OR ONE SET IN A BOX.

CARVING KNIVES AND FORKS.

CVB WARRANTED.

We Guarantee Every CVB Blade Forged and Tempered by Experienced Workmen, from Extra Refined Crucible Steel Made for Us. Each Fork is Fitted with a Patent Guard and Rest.



No. 0149 CVB—9 in., genuine stag handle knife, fork and steel, sterling silver ferrules, extra heavy solid steel bolsters .....per set DAJ $6.80

ONE SET IN A BOX.



No. 0102 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair CJJ $5.00

No. 0102 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....DAJ $6.80

ONE PAIR OR ONE SET IN A BOX.



No. 0104 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules,....per pair CJJ $5.00

No. 0104 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set DAJ $6.80

ONE PAIR OR ONE SET IN A BOX.



No. 1018 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules ....per pair CJJ $5.00

No. 1018 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set DBJ $7.00

ONE PAIR OR ONE SET IN A BOX.



No. 0112 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules....per pair CJJ $5.00

No. 0112 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set DBJ $7.00

ONE PAIR OR ONE SET IN A BOX.



No. 0106 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules ...per pair CBJ $5.30

No. 0106 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set DBE $7.10

ONE PAIR OR ONE SET IN A BOX.



No. 0108 CVB—9 in., selected genuine stag handle knife and fork, sterling silver ferrules ....per pair CBJ $5.30

No. 0108 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set DBE $7.10

ONE PAIR OR ONE SET IN A BOX.



No. 43A CVB—9 in., genuine stag carved alligator handle knife, fork and steel .....per set DEJ $7.50

ONE SET IN A BOX.



No. 28 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....DHJ $8.00

ONE SET IN A BOX.



No. 1274 CVB—9 in., genuine stag handle knife, fork and steel, sterling silver ferrules.....per set DHJ $8.00

ONE SET IN A BOX.



No. 1147 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....DHJ $8.00

ONE SET IN A BOX.



No. 1112 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....DHJ $8.00

ONE SET IN A BOX.



No. 1102 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....DHJ $8.00

ONE SET IN A BOX.



No. 1947 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules and cap, per set .....DHJ $8.00

ONE SET IN A BOX.



No. 45 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....EAJ $8.50

ONE SET IN A BOX.



No. 48 CVB—9 in., selected genuine stag handle knife, fork and steel, sterling silver ferrules, per set .....EAJ $8.50

ONE SET IN A BOX.



No. 47 CVB—9 in., selected genuine stag handle knife, fork and steel, silver plated cap...per set EAJ $8.50

ONE SET IN A BOX.



No. 4408 CVB—9 in., selected genuine stag handle knife, fork and steel, heavy solid silver caps and ferrules, per set .....JFFJ $11.00

ONE SET IN A BOX.

CARVING KNIVES AND FORKS.

WARRANTED.

We guarantee every blade forged and tempered by experienced workmen, from extra refined crucible steel, made for us. Each fork is fitted with the patent guard and rest.



No. C037f —9 in., 3¼ in., solid pearl handle knife, fork and steel, sterling silver ferrules, per set ..... JGHJ $13.00



No. 4877 —9 in., selected natural end, genuine stag handle, knife, fork and steel, sterling silver ferrules, per set .....JGBJ $12.00



No. 50 —8 in., solid rubber handle knife and fork, per pr. AFJ $2.70
No. 50 —8 in., solid rubber handle knife, for and steel, per set .....BCJ $3.80



No. 2440 —8 in., solid ivory celluloid handle knife and fork, per pair .....BGJ $4.50
No. 2440 —8 in., solid ivory celluloid handle knife, fork and steel, per set .....CCJ $5.50



No. 0402 —9 in., solid ivory celluloid handle knife and fork, sterling silver ferrules.....per pair CFJ $6.00
No. 0402 —9 in., solid ivory celluloid handle knife, fork and steel, sterling silver ferrules, per set .....EAJ $8.50



No. 0408 —9 in., solid ivory celluloid handle knife and fork, sterling silver ferrules ...per pair CFJ $6.00
No. 0408 —9 in., solid ivory celluloid handle knife, fork and steel, sterling silver ferrules, per set .....EAJ $8.50



No. 30 —8 in., solid ivory celluloid handle knife and fork, per pair .....CJJ $5.00
No. 30 —8 in., solid ivory celluloid handle knife, fork and steel, per set .....CIJ $6.50

ONE PAIR OR ONE SET IN A BOX



No. 030 —8 in., solid ivory celluloid handle knife and fork, sterling silver ferrules ...per pair CFJ $6.00
No. 030 —8 in., solid ivory celluloid handle knife, fork and steel, sterling silver ferrules, per set .....EAJ $8.50



No. 40 —9 in., solid ivory celluloid handle knife and fork, per pair .....CCJ $5.50
No. 40 —9 in., solid ivory celluloid handle knife, fork and steel, per set .....DBJ $7.00

ONE PAIR OR ONE SET IN A BOX.



No. 8648 —9 in., solid ivory celluloid handle knife, fork and steel, extra heavy solid steel bolster, per set .....EDJ $9.00



No. 1536 —9 in., solid ivory celluloid handle, natural walrus finish knife, fork and steel, per set .....JFJJ $10.00



No. 7348 —9 in., knurled and polished, South African gray horn handle knife, fork and steel with sterling silver ferrules, knife has solid steel bolster, w't per set 18 oz., per set .....JFJJ $10.00



No. 6612 —9 in., polished, South African gray horn handle knife, fork and steel, with sterling silver caps and ferrules, w't per set 18 oz., per set .....JGBJ $12.00



No. 6748 —9 in., polished, South African grey horn handle knife, fork and steel, with sterling silver ferrules and fluted sterling silver caps, knife has solid steel bolster, w't per set 18 oz. .....per set JGBJ $12.00

ONE SET IN A BOX.

BIRD.



No. 102B —5 in., stag handle knife and fork, per pair AEJ $2.50



No. 108B —5 in., stag handle knife and fork, per pair AEJ $2.50



No. 110B —5½ in., stag handle knife and fork, per pair AEJ $2.50



No. 103B —5 in., stag handle knife and fork, sterling silver ferrules .....per pair BJJ $3.30



No. 109B —5 in., stag handle knife and fork, sterling silver ferrules .....per pair BJJ $3.30



No. 111B —5½ in., stag handle knife and fork, sterling silver ferrules .....per pair BJJ $3.30



No. 156B —5 in., stag handle knife and fork, sterling silver ferrules .....per pair BJJ $3.30



No. 0102B —5½ in., selected stag handle knife and fork, sterling silver ferrules .....per pair BDJ $4.00



No. 0112B —5½ in., selected stag handle knife and fork, sterling silver ferrules .....per pair BDJ $4.00

ONE PAIR IN A BOX.

BIRD CARVERS, CARVER CASES AND ROASTER AND CARVER SETS.

BIRD.



No. 106B —6 in., stag handle knife and fork, per pair **AEJ** $2.50



No. 107B —6 in. blade, selected genuine stag handle knife and fork, sterling silver ferrules, per pair .....**BJJ** $3.30

BIRD CARVERS.



No. 1103B —5 in. blade, solid ivory celluloid handled knife and fork, sterling silver ferrules, per pair .....**BAJ** $3.50



No. 1111B —5½ in. blade, solid ivory celluloid handled knife and fork, sterling silver ferrules, per pair .....**BAJ** $3.50



No. 2107B —6 in. blade, solid ivory celluloid handled knife and fork, sterling silver ferrules, per pair .....**BAJ** $3.50

We guarantee every blade forged and tempered by experienced workmen, from extra refined crucible steel made for us.

ONE PAIR IN A BOX.



No. 3747-B.

No. 3746-B —5¼ in. blade, stag handle, steel cap, no ferrule, per pair .....**JIJ** $1.50

No. 3747-B —5¼ in. blade, stag handle, steel cap, fancy ferrule, per pair .....**JIE** $1.60

ONE PAIR OR ONE SET IN A BOX.

EMPTY CARVER CASES.



Heavy Cardboard, Covered with Dark Green Leatherette Paper, Lined with Red or White Cloth, Dome Top Cover.

No. 050—3 piece, for large size knife, fork and steel, per dozen **BDJ** $4.00

No. 051—2 piece, for large size knife and fork .....per dozen **BDJ** $4.00

No. 052—2 piece, for game carving knife, and fork .....per dozen **BDJ** $4.00

No. 053—3 piece, for game carving knife, fork and steel, per dozen **BDJ** $4.00

No. 055—5 piece, for large size carving knife, fork and steel, and game knife and fork.....per doz. **DHJ** $8.00

CARVERS.



No. V1571 —9 n. blade, selected genuine stag handles, knob ends with silver plated ferrules and caps, knife, fork and steel ....per set **CJJ** $5.00

ONE SET IN A BOX.

THANKSGIVING CARVER AND ROASTER SETS.



One Piece, Seamless, Oval, Concave Bottom, Only Two Parts, No Seams, No Corners.

No. 3000 —Rustless, glazed finish, 18x11x7½ in., w't per doz. 70 lbs.,

Roaster and Carver Sets.



No. 350 —Roaster and Carver Sets, carver has 8 in. blade, genuine buckhorn stag handle, Yankee guard rest, fork and double cut steel to match, silver ferrules, complete with No. 3000 Rustless Roaster shown above, w't per doz. sets 81 lbs., per dozen sets .....**CDHJ** $58.00



No. 9600 —Roaster and Carver Sets, carver has 9 in. blade, genuine selected buckhorn stag handles, with Yankee guard rest fork and double cut steel to match, complete with No. 3000 Rustless Roaster shown above, w't per doz. sets 85 lbs., per dozen sets .....**CDHJ** $58.00

TABLE STEELS AND GAME SHEARS.

TABLE STEELS.



No. 081—8 in., magnetic family steel, enameled handle, per doz. **BAJ** $3.50



No. 65—8 in., genuine stag handle, German silver ferrule and cap, new double cut .....per dozen **DHJ** $8.00



No. 76—8 in., genuine stag handle, German silver ferrul and cap, per dozen .....**JGBJ** $12.00

CARVER STEELS.



No. 31—8 in., H. S. B. & Co.'s genuine stag handle for carvers Nos. 10, 21, 23, 26, 31, 34, 37 and 42, per dozen .....**JGBJ** $12.00

No. 102-B—4¾ in., genuine stag handle, no ferrule, for game carvers, Nos. 102-B, 106-B, 108-B, and 110-B, per dozen ..... **JGBJ** $12.00



No. 32—8 in., genuine stag handle, silver ferrule, for carvers Nos. 32, 35 and 38, per dozen .....**JGIJ** $13.20



No. 0108—8 in., genuine stag handle, sterling silver ferrule for carvers Nos. 0102, 0104, 0106, 0108, 0112, 0149 and 0151 .....per dozen **ABIE** $21.60

No. 0102-B—5 in., genuine stag handle, sterling silver ferrule, for game carvers, Nos. 0102-B and 0112-B, per dozen..... **AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.

CARVER STEELS.



No. 25—8 in., genuine stag handle, sterling silver ferrule, for carvers Nos. 20, 22, 25, 27, 28, 41, 46 and 1018, per dozen .....**AJHJ** $18.00

No. 103-B—5 in., genuine stag handle, sterling silver ferrule, for game carvers Nos. 103-B, 107-B, 109-B, 111-B, and 156-B, per dozen.....**JHGJ** $14.50

No. 2107-B—4¾ in., solid ivory celluloid handle, sterling silver ferrule, for game carvers Nos. 2107-B, per dozen..... **AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.

GAME SHEARS.

Just the thing for unjointing legs and wings of fowl and game.



No. 9095—10 in., length of jaws 4 in., forged steel, full nickel plated and highly polished, lower jaw has serrated edge, w't per doz. 8 lbs., per dozen .....**ADDJ** $24.00



No. 9096—10¼ in., length of jaws 4 in., forged steel, full nickel plated and highly polished, special groove or bone butter on lower jaw for extra large bones, lower jaw has serrated edge, w't per doz. 11 lbs., per dozen .....**AHJJ** $30.00

ONE PAIR IN A BOX.

GAME SHEARS.



No. 11214—10½ in., length of jaws 4 in., forged steel, full nickel plated and highly polished, special groove or bone cutter on lower jaw for extra large bones, nickel plated spring, stag horn scales, lower jaw has serrated edge, w't per doz. 9 lbs., per dozen .....**AIHJ** $33.00



No. 11212—10½ in., length of jaws 4 in., forged steel, nickel plated jaws, highly polished, special groove or bone cutter on lower jaw for extra large bones, gold plated handles with ivory grain celluloid scales nickel plated spring, lower jaw has serrated edge, w't per doz. 11 lbs., per dozen .....**BAFJ** $36.00

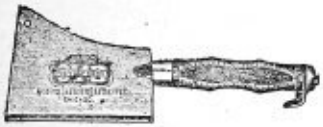


No. 11210—10½ in., length of jaws 4 in., nickel plated jaws highly polished, special groove or bone cutter on lower jaw for extra large bones, gold plated handles with scored pearl scales, nickel plated spring, lower jaw has serrated edge, w't per doz. 11 lbs., per dozen .....**BEBJ** $42.00

ONE PAIR IN A BOX.

CLEAVERS, CARBORUNDUM STONES AND KNIFE SHARPENERS.

BUTCHERS' CLEAVERS.



Solid Forged Steel, One-Piece Blade and Tang Bolted Through the Handle, Polished Blade, Select Hickory Handle, Cherry Stained, Scored and Flattened at Sides, Patent Hook End, to Prevent Slipping from Hand, Heavy Steel Ferrule.

Nos.	07	08	09
Cut, in.	7	8	9
Length over all, in.	15	17	19
W't, doz., lbs.	35	39	49
Per dozen	$26.48	28.80	32.00
	AEHE	AGCJ	AIBJ



MARICOPA, Cast Steel Blade, Polished, Riveted Hardwood Scored Handle.

No. 20—In.	6	7	8
W't, doz., lbs.	20	22	25
Per dozen	$11.00	12.00	13.00
	JFFJ	JGBJ	JGHJ

ONE-HALF DOZEN IN A BOX.

HOUSEHOLD CLEAVERS.



No. 600—Polished forged cutlery steel blade, 6½x4 in., polished hardwood handle, extra heavy steel ferrule, tang of blade securely riveted to handle, w't per doz. 10 lbs., per dozen .....CJJ $5.00

ONE DOZEN IN A BOX.

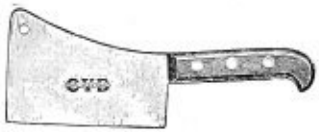
HOUSEHOLD CLEAVERS.



No. 45—Household or hotel, finest quality, very heavy cutlery steel blade, taper ground and polished, 2½x6 in. polished aluminum handle 4¾ in. long with hook end, w't per doz. 6 lbs.....per dozen JIFJ $16.00

Positively the finest grade small cleaver on the market, for hotels, restaurants or household use.

ONE-HALF DOZEN IN A NOVEL "TRAY TOP" DISPLAY BOX FOR COUNTER OR SHOW CASE.



No. 35—Extra quality, extra heavy, polished, taper ground, cutlery steel blade 4x6 in., cocobola hand with hook end, 3 large brass rivets, blade and tang one piece, tang extending clear through handle, w't per doz. 14 lbs., per dozen .....JGBJ $12.00

These cleavers are of the finest quality and finish and absolutely unbreakable under the most severe legitimate use.

ONE-HALF DOZEN IN A BOX; TWELVE DOZEN IN A CASE.



No. 25—Extra quality, extra heavy, polished, taper ground, cutlery steel blade 2x8 in., polished walnut handle 5½ in. long, 3 large brass rivets, blade and tang of one piece, tang extending clear through handle, w't per doz. 12½ lbs., per dozen .....DHJ $8.00

ONE-HALF DOZEN IN A BOX.

CARBORUNDUM POCKET STONES.



No. C145—4x1x½ in. fine, w't per doz. 1 lb.....per dozen CDE $4.80

No. C146—4x1x¼ in. medium, w't per doz. 1 lb.....per dozen CJJ $4.20

A very useful stone for sharpening the penknife or ink scratcher. Furnished in a neat leather case convenient for the pocket.

CARBORUNDUM KNIFE SHARPENERS.





No. C76—12 in. long, w't per doz. 4½ lbs.....per dozen BAE $3.00

Is reinforced with a steel rod running through the center and is fitted with a durable wooden handle and steel guard.

ONE DOZEN IN A CARTON WITH EASEL BACK.

CARBORUNDUM OCTAGONAL KNIFE SHARPENERS.





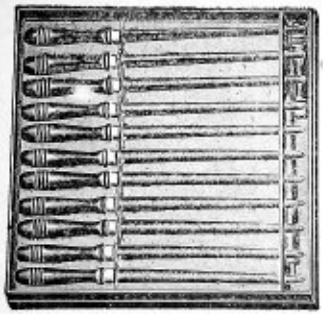
No. C78—12 in. long, w't per doz. 3 lbs., in cartons.....per dozen DCJ $6.00

The octagonal knife sharpener gives all the advantage of eight separate sharpening stones, each stone presenting a smooth and perfect cutting surface to the blade. It is a solid shaft of carborundum fitted with a durable wooden handle.

EACH SHARPENER PACKED IN A BOX; SIX BOXES IN A CARTON.

BUTCHER STEELS AND BUTCHER, SKINNING AND STICKING KNIVES.

CORUNDUM STEELS.

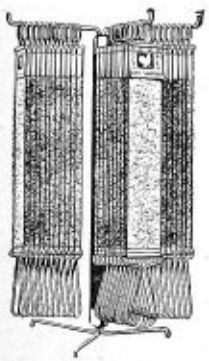


No. 3—8 in., solid corundum and emery, steel rod extends full length of center, black rubberoid handle securely screwed to rod, per dozen **JGH** $1.30

These are exceptionally well made and finished. The rubberoid handle gives a nice appearance.

ONE DOZEN IN AN EASEL DISPLAY BOX.

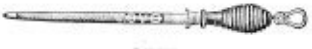
KITCHEN KNIFE SHARPENERS.



No. 25—Cruso, 15 in. long, 2 in. wide, hard and quick sharpening surface, same as carborundum, which will give a keen edge to a knife after a few up and down strokes, fitted with heavy nickel plated loop swivel and strong wire handle, w't per doz. 1¾ lbs., per dozen .....**ADE** $2.40

THREE DOZEN IN A CARTON WITH FREE DISPLAY STAND; WE DO NOT BREAK CARTONS.

BUTCHERS' STEELS.



Ebonized Wood Handle, with Nickel Plated Metal Ferrule, Tinned Malleable Iron Swivel, Double Cut, Magnetized Steel.

No. 54 — in.	10	12	14
Per dozen	$7.50	10.00	13.00
	DEJ	**JFJJ**	**JGHJ**



Polished White Hardwood Handle, with Nickel Plated Metal Ferrule and Guard, Malleable Iron Swivel, Double Cut, Magnetized Steel.

No. 670 — Blade, in. ..	10	12	14
Per dozen	$7.50	10.00	13.00
	DEJ	**JFJJ**	**JGHJ**



Fancy Hardwood Handle, with Nickel Plated Metal Ferrule and Guard, Malleable Iron Swivel, Double Cut, Magnetized Steel.

No. 72 — Blade, in. ..	10	12	14
Per dozen	$9.50	12.50	16.00
	EGJ	**JGEJ**	**JIFJ**



JOHN WILSON'S, Rosewood Handle, Steel Inlaid, with Ferrule, Swivel Loop.

No. 82—Blade, in.	10	12	14
Per dozen	$16.40	19.90	24.40
	JIHE	**AAIE**	**ADFE**



JOHN WILSON'S, Stag Handle, Brass Ferrule, Swivel Loop.

No. 66—Blade, in.	10	12	14
Per dozen	$19.10	21.40	26.00
	AADE	**ABHE**	**AEFJ**

ONE-HALF DOZEN IN A BOX.

BUTCHER KNIVES.



No. 285—Cruso, 6 in. blade, beechwood handle, per doz.....**JIJ** $1.50



No. 85—Cruso, 6 in. blade, flat cocobolo handle, per doz.....**AAE** $1.90

ONE-HALF DOZEN IN A BOX.

BUTCHER KNIVES.



No. 851—Cruso, 6 in. blade, flat cocobolo handle, with bolster, per doz. .....**AEJ** $2.50

ONE-HALF DOZEN IN A BOX.



No. 20—Cruso, 6 in. blade, oval cocoa handle, per doz.....**AEJ** $2.50



No. 21—Cruso, 6 in. blade, oval cocoa handle, with bolster, per doz..... **AHJ** $3.00

ONE DOZEN IN A BOX.



No. 95—Cruso, 6 in. swaged blade, cocobolo handle, with bolster, per dozen .....**BAJ** $3.50

ONE-HALF DOZEN IN A BOX.



REVONOC

No. 955 REVONOC—6 in. blade, flat cocobolo handle, with bolster, nicely finished, warranted, per dozen .....**BDJ** $4.00



REVONOC

Beechwood Handle, Nicely Finished, Warranted Quality.

Nos.	446	446½	447
Blade, in.	6	6½	7
Per dozen $3.00		3.30	3.80
	AHJ	**BJJ**	**BCJ**

Nos.	448	449	450
Blade, in.	8	9	10
Per dozen $5.00		6.00	8.00
	CJJ	**CFJ**	**DHJ**

SKINNING KNIVES.



REVONOC

No. 460 REVONOC—6 in. blade, beechwood handle, nicely finished, warranted, per dozen .....**BDJ** $4.00

ONE-HALF DOZEN IN A BOX.

STICKING KNIVES.



REVONOC

No. 468 REVONOC—6 in. blade, beechwood handle, nicely finished, warranted, per dozen .....**BJJ** $3.30

ONE-HALF DOZEN IN A BOX.

OVB KNIVES.

BUTCHER.



Best Quality Hand Forged Blade, Polished Swage, Beechwood Handle, Two Large Brass Saw Screw Rivets, Trade Mark Burned in Handle.

No. 590 OVB—

Blade, in.	6	6½	7
Per dozen	$4.00	5.00	5.80
	BDJ	CJJ	CEJ

No. 590 OVB—

Blade, in.	8	9	10
Per dozen	$7.00	9.00	10.50
	DBJ	EDJ	JFCJ

No. 590 OVB—

Blade, in.	12	14
Per dozen	$14.00	17.00
	JHDJ	AJBJ

ONE-HALF DOZEN IN A BOX.

SKINNING.



Best Quality Hand Forged Blade, Polished, Beechwood Handle, Two Large Brass Saw Screw Rivets, Polished, Trade Mark Burned in Handle.

No. 583 OVB—

Blade, in.	5	5½	6
Per dozen	$3.80	4.20	4.70
	BCJ	BEJ	BHJ

ONE-HALF DOZEN IN A BOX.

STICKING.



No. 592 OVB—6 in. best quality hand forged blade, polished, beechwood handle, two large brass saw screw rivets, polished, trade mark burned in handle, per dozen ..... BDJ $4.00

ONE-HALF DOZEN IN A BOX.

BONING.



No. 594 OVB—6½ in. best quality hand forged blade, polished, beechwood handle, two large brass saw screw rivets, trade mark burned in handle, per dozen ..... BHJ $4.70

ONE-HALF DOZEN IN A BOX.

BUTCHER.



No. 9145 OVB—6 in. best quality hand forged blade, polished and swaged, cocobolo handle, three large polished brass saw screw rivets, per dozen ..... BDJ $4.00

ONE-HALF DOZEN IN A BOX.



Best Quality Hand Forged Blade, Extra Finish, Polished and Swaged, Rosewood Handle, Fancy Bolster.

Nos. OVB	105	105½	107	108
Blade, in.	6	6½	7	8
Per dozen	$7.00	7.50	8.00	9.50
	DBJ	DEJ	DHJ	EGJ

ONE-HALF DOZEN IN A BOX.

BUTCHER.



Best Quality Hand Forged Blade, Polished Swage, Extra Finish, Cocoa Handle, Metal Bolster, Polished Brass Saw Screw Rivets.

No. 110 OVB—

Blade, in.	6	7	8
Per dozen	$6.00	8.00	10.00
	CFJ	DHJ	JFJJ



Best Quality Hand Forged Blade, Polished and Swaged, Cocoa Handle, Saw Screw Rivets, Extra Fine Quality, Warranted.

No. 190 OVB—

Blade, in.	6	7	8
Per dozen	$7.00	8.50	11.00
	DBJ	EAJ	JFFJ



Best Quality Hand Forged Blade, Extra Finish, Polished Swage, Solid Rosewood Handle, Solid Bolster, File, Tang.

Nos. OVB	206	207	203
Blade, in.	6	7	8
Per dozen	$6.00	8.00	10.00
	CFJ	DHJ	JFJJ



Best Quality Hand Forged Blade, Polished Swage, Ebony Handle, Three Brass Saw Screw Rivets.

No. 100 OVB—

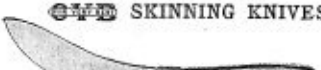
Blade, in.	6	7	8
Per dozen	$6.50	8.50	11.00
	CIJ	EAJ	JFFJ

No. 100 OVB—

Blade, in.	10	12	14
Per dozen	$16.00	21.50	27.50
	JIFJ	ABIJ	AFBJ

ONE-HALF DOZEN IN A BOX.

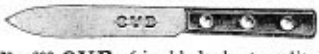
OVB SKINNING KNIVES.



No. 283 OVB—6 in. blade, best quality hand forged, polished ebony handle, three brass saw screw rivets, per dozen ..... DBJ $7.00

ONE-HALF DOZEN IN A BOX.

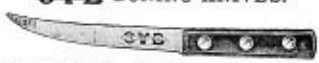
OVB STICKING KNIVES.



No. 292 OVB—6 in. blade, best quality hand forged, polished ebony handle, three brass saw screw rivets, per dozen ..... CIJ $6.50

ONE-HALF DOZEN IN A BOX.

OVB BONING KNIVES.



No. 294 OVB—6 in. blade, best quality hand forged, polished ebony handle, three brass saw screw rivets, per dozen ..... CIJ $6.50

ONE-HALF DOZEN IN A BOX.

BUTCHER.



Best Quality Hand Forged Blade, Polished Swage, Beechwood Handle, Three Large Brass Saw Screw Rivets.

No. 490 OVB—

Blade, in.	6	6½	7	8
Per dozen	$4.00	5.00	5.80	7.00
	BDJ	CJJ	CEJ	DBJ

No. 490 OVB—

Blade, in.	9	10	12	14
Per dozen	$9.00	10.50	14.00	17.00
	EDJ	JFCJ	JHDJ	AJBJ

SKINNING.



Best Quality Hand Forged Blade, Beechwood Handle, Three Large Brass Saw Screw Rivets.

No. 483 OVB—

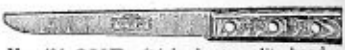
Blade, in.	5	5½	6
Per dozen	$3.80	4.20	4.70
	BCJ	BEJ	BHJ

STICKING.



No. 492 OVB—6 in. best quality hand forged blade, beechwood handle, three large saw screw rivets, per dozen ..... BDJ $4.00

BONING.



No. 494 OVB—6½ in. best quality hand forged blade, beechwood handle, three large brass saw screw rivets, per dozen ..... BHJ $4.70

RIBBING.

No. 487 OVB—9 in. best quality hand forged blade, beechwood handle, polished swage, three large brass saw screw rivets.....per dozen EGJ $9.50

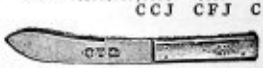
BUTCHER.



Best Quality Hand Forged Blade, Polished Swage, Cocoa Handle, Metal Bolster, Polished Large Head Brass Rivets.

No. 99 OVB—

Blade, in.	6	7	8
Per dozen	$5.50	6.00	6.50
	CCJ	CFJ	CIJ



Best Quality Hand Forged Blade, Polished and Swaged, Boxwood Handle, Brass Rivets.

Nos. OVB	606	606½	607
Blade, in.	6	6½	7
Per dozen	$6.00	7.00	8.30
	CFJ	DBJ	EJJ

Nos. OVB	608	610	612
Blade, in.	8	10	12
Per dozen	$10.00	14.00	18.00
	JFJJ	JHDJ	AJHJ

ONE-HALF DOZEN IN A BOX.

GVB KNIVES.

BUTCHER.



Solid Aluminum Handle, Polished Swage, Highly Finished, Best Quality Hand Forged Blade.

No. 797 GVB—

Blade, in.....	6	7	8
Per dozen	$7.00	9.50	11.50
	DBJ	EGJ	JFIJ

The handle is strictly sanitary no cracks, crevices nor openings for grease, dirt or other accumulations to gather. Will not come off.

ONE-HALF DOZEN IN A BOX.



French Pattern, Solid Aluminum Handle, Best Quality Hand Forged Blade, Polished Swage, Highly Finished.

No. 7200 GVB—

Blade, in. ...	6	7	8
Per dozen	$7.00	8.50	10.00
	DBJ	EAJ	JFJJ

The handle is strictly sanitary, no cracks, crevices nor openings for grease, dirt and other accumulations to gather. Will not come off.

ONE-HALF DOZEN IN A BOX.



Best Quality Hand Forged Blade, Polished Swage, Highly Finished, Ebony Handle, Three Large Brass Saw Screw Rivets, Metal Bolster.

No. 2409 GVB—

Blade, in. ...	6	7	8
Per dozen	$7.00	8.50	10.00
	DBJ	EAJ	JFJJ

ONE-HALF DOZEN IN A BOX.



Best Quality Hand Forged Blade, Polished Swage, Highly Finished, GVB Trade Mark Beautifully Etched in Gold, Ebony Handle with Fancy Double Bolster.

No. 2800 GVB—

Blade, in. ...	6	7	8
Per dozen	$8.00	9.50	11.00
	DHJ	EGJ	JFFJ

ONE-HALF DOZEN IN A BOX.



Genuine Ebony Handle, Hand Forged Blade, Polished Swage, Three Brass Saw Screw Rivets.

No. 784 GVB—

Blade, in. ...	6	7	8
Per dozen	$7.50	9.00	11.00
	CFJ	DBJ	JDHJ

These knives are of special shape and design. The top edge of the knife is perfectly straight, the lower or cutting edge bulges out from the heel or bolster making quite a bulge toward the point.

ONE-HALF DOZEN IN A BOX.



Best Quality, Hand Forged Steel Blade, Swaged, Beautifully Crocus Polished on Both Sides, GVB Trade Mark Handsomely Etched in Gold, Octagon Shape Cocobola Handle with Large Brass Saw Screw Rivets.

No. 1150C GVB—

Blade, in.	6	7	8
Per dozen	$7.50	11.50	14.50
	DEJ	JFGJ	JHGJ

ONE-HALF DOZEN IN A BOX.

LUNCH.



No. 7218 GVB—7½ in., best quality hand forged blade, ¾ in. wide at handle, very flexible, polished swage, solid aluminum handle, highly finished .....per dozen **EDJ** $9.00

This knife is especially designed for use in the kitchen as a slicer for bread, meat, etc.

The handle is strictly sanitary, no cracks, crevices nor openings for grease, dirt or other accumulations to gather. Will not come off.



No. 701 GVB—7¼ in., best quality hand forged blade, polished swage, highly finished, cocobolo handle, brass rivets .....per dozen **CFJ** $6.00

This knife is especially designed for use in the kitchen as a slicer for bread, meat, etc.

HOUSEHOLD.



No. 601 GVB—6 in., best quality hand forged blade, polished and swaged, boxwood handle, brass rivets, extra fine finish .....per dozen **CFJ** $6.00



9 Inch Best Quality Hand Forged Blade, Polished and Swaged, Extra Fine Finish, Large Brass Rivets.

No. 3908 GVB—Boxwood handle, per dozen .....**GHJ** $8.00

No. 2908 GVB—Ebony handle, per dozen .....**EAJ** $8.50

ONE-HALF DOZEN IN A BOX.

HOUSEHOLD.



No. 618 GVB—6 in., best quality hand forged blade, polished and swaged, extra fine finish, cocoa handle, saw screw brass rivets, per dozen .....**DBJ** $7.00

STEAK.



No. 1060 GVB.

Best Quality Hand Forged Blade, Boxwood Handle, Six Brass Pins, Not Labeled.

No. 1060 GVB—

Blade, in. ...	10	12	14
Per dozen	$15.00	19.00	23.00
	JIJJ	AADJ	ACHJ

Best Quality Hand Forged Blade, Beechwood Handle, Six Brass Pins, Labeled.

No. 81 GVB—

Blade, in.	10	12	14
Per dozen	$11.50	17.50	21.50
	JFIJ	AJEJ	ABIJ

ONE-HALF DOZEN IN A BOX.



Best Quality Hand Forged Blade, Ebony Handle, Three Large Brass Saw Screw Rivets.

No. 101 GVB—

Blade in. ...	10	12	14
Per dozen	$16.00	21.50	27.00
	JIFJ	ABIJ	AFBJ

ONE-HALF DOZEN IN A BOX.

SPLITTING.



No. 4900 GVB—Length of blade 12 in., thickness of blade on the back ¾ in., best quality hand forged, beech handle securely held in place by three heavy brass screw rivets, w't per doz. 15 lbs., per dozen .....**ABFJ** $21.00

This knife is especially designed for hotel, restaurant and family use. Indispensable for splitting meat carcasses and the like.

ONE-QUARTER DOZEN IN A BOX.

CHICKEN KILLING.



No. 496 GVB—3½ in. blade, extra fine qaulity, hand forged, warranted, beechwood handle, 3 large brass saw screw rivets holding handle in place, per dozen .....**BDJ** $4.00

ONE-HALF DOZEN IN A BOX.

KNIVES.

BUTCHER.



Best Quality, Swedish Steel, Hand Forged Blade, Polished Swage. Fine Cocobola Handle, with Polished Brass Bolster and Large Polished Brass Saw Screw Rivets.

Nos.	9846	9847	9848
Blade, in.	6	7	8
W't, doz., lbs.	3½	4¼	5¼
Per dozen	$7.00	9.00	11.50
	DBJ	EDJ	JFIJ

Nothing finer than the above knives has ever been produced in the cutlery line; must be seen to be appreciated. Designed to retail at 50 cents, 65 cents and 75 cents each, respectively.

ONE-HALF DOZEN IN A BOX.



Best Quality Hand Forged Blade, Swaged and Highly Finished, Solid Cocobolo Handle, Steel Bolster, German Silver Ferrule, File Tang.

No. 200 —Bade, in...	6	7
Per dozen	$7.50	9.00
	DEJ	EDJ

ONE-HALF DOZEN IN A BOX, WITH EASEL DISPLAY.

RUSSELL'S SKINNING.



Diamond, Beechwood Handle.

No. 012—Blade, in..	5½	6	7
Per dozen	$5.10	5.50	7.50
	CJE	CCJ	DEJ

ONE DOZEN IN A BOX.

JOHN WILSON'S BUTCHER.



Sheffield Steel, Beechwood Handle.

Blade, in. ..	5	5½	6	6½
Per dozen ..	$3.90	4.50	5.00	6.20
	BCE	BGJ	CJJ	CGJ
Blade, in.	7	8	9	
Per dozen	$7.40	9.50	11.50	
	DDE	EGJ	JFIJ	
Blade, in.	10	11		
Per dozen	$14.20	17.00		
	JHEJ	AJBJ		
Blade, in.	12	14		
Per dozen	$20.50	31.80		
	ABCJ	AIAJ		

ONE-HALF DOZEN IN A BOX.

JOHN WILSON'S STICKING.



Sheffield Steel, Beechwood Handle.

Blade, in. ..	5½	6	6½	7
Per dozen ..	$4.50	5.00	6.20	7.40
	BGJ	CJJ	CGJ	DDE

ONE-HALF DOZEN IN A BOX.

JOHN WILSON'S SKINNING.



Sheffield Steel, Beechwood Handle.

Blade, in.	5	5½	6
Per dozen	$3.90	4.50	5.00
	BCE	BGJ	CJJ
Blade, in.	6½	7	
Per dozen	$6.20	7.40	
	CGJ	DDE	

ONE-HALF DOZEN IN A BOX.



No. 4496—Russel pattern, 6 in. Sheffield steel blade, 4¼ in. beechwood handle, per dozen..... CJJ $5.00

ONE-HALF DOZEN IN A BOX.

JOHN WILSON'S BONING.



6½ in., Sheffield steel blade, beechwood handle...per dozen CGJ $6.20

ONE-HALF DOZEN IN A BOX.



No. 5145—6 in., Sheffield steel blade, 5¼ in. beechwood handle, 2 steel saw screw rivets..per dozen CBJ $5.30

ONE-HALF DOZEN IN A BOX.

JOHN WILSON'S BOOMERANG STEAK.



No. 3309—Inches	10	11
Per dozen	$14.50	17.00
	JHGJ	AJBJ

ONE-HALF DOZEN IN A BOX.

JOHN WILSON'S RIBBING.

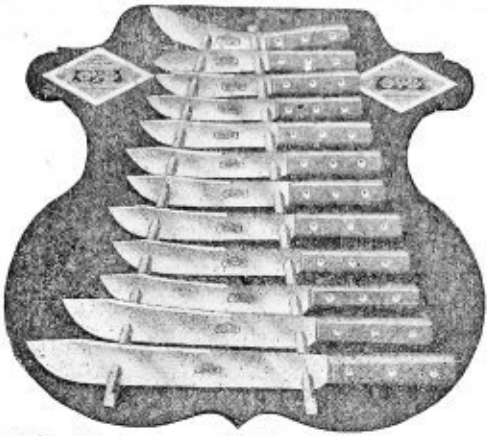
9 in., Sheffield steel blade, beechwood handle, ground extra thin, per dozen..... JGBJ $12.00

ONE DOZEN IN A BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

KNIFE ASSORTMENTS.



blades are forged from special analysis bar steel. All are hardened and perfectly tempered by the most exact method.

knives are sharpened ready for use and are finished and inspected with the greatest care.

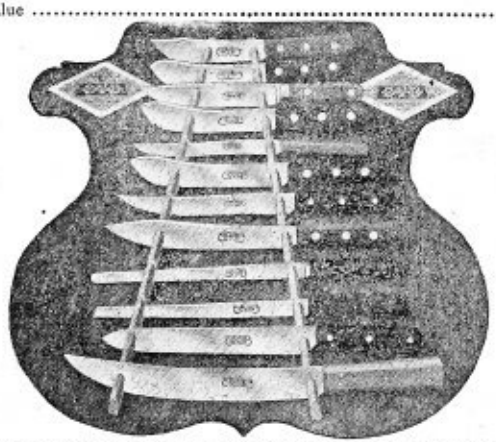
Workmanship, quality and materials are guaranteed the best and all are fully warranted.

Money back if not satisfied.

is the very best.

No. 38 —Assortment consisting of knives enumerated below .....per assortment **BBHJ** $30.45

1½ dozen	No. 490—6 in. Butcher Knives	retail price, each $0.25	Total	$4.50
½ dozen	No. 490—6½ in. Butcher Knives	retail price, each .35	Total	2.10
1 dozen	No. 490—7 in. Butcher Knives	retail price, each .40	Total	4.80
½ dozen	No. 490—8 in. Butcher Knives	retail price, each .45	Total	2.70
½ dozen	No. 490—9 in. Butcher Knives	retail price, each .60	Total	1.80
½ dozen	No. 490—10 in. Butcher Knives	retail price, each .75	Total	4.50
¼ dozen	No. 490—12 in. Butcher Knives	retail price, each .90	Total	2.70
¼ dozen	No. 490—14 in. Butcher Knives	retail price, each 1.25	Total	3.75
½ dozen	No. 492—6 in. Sticking Knives	retail price, each .25	Total	1.50
½ dozen	No. 483—6 in. Skinning Knives	retail price, each .35	Total	2.10
1	Butcher Knife Easel, solid wood back, handsomely covered and mounted			Free
	Total Retail Value			$30.45



No. 48 —Assortment consisting of knives enumerated below .....per assortment **BHHJ** $40.80

½ dozen	No. 100—6 in. Butcher Knives	retail price, each $0.40	Total	$2.40
½ dozen	No. 100—7 in. Butcher Knives	retail price, each .60	Total	3.60
½ dozen	No. 100—8 in. Butcher Knives	retail price, each .75	Total	4.50
¼ dozen	No. 318—10¼ in. Ham Slicers	retail price, each .60	Total	1.80
¼ dozen	No. 317—10¼ in. Ham Slicers	retail price, each .75	Total	2.25
½ dozen	No. 2908—9 in. Household Knives	retail price, each .60	Total	3.60
½ dozen	No. 99—7 in. Butcher Knives	retail price, each .40	Total	2.40
1 dozen	No. 1901—9½ in. Slicers	retail price, each .50	Total	6.00
½ dozen	No. 7218—7½ in. Lunch Knives	retail price, each .75	Total	4.50
¼ dozen	No. 266—10 in. Cooks' Knives	retail price, each 1.00	Total	3.00
1 dozen	No. 490—6 in. Butcher Knives	retail price, each .25	Total	3.00
¼ dozen	No. 81—12 in. Steak Knives	retail price, each 1.25	Total	3.75
1	Butcher Knife Easel, solid wood back, handsomely covered and mounted			Free
	Total Retail Value			$40.80

★FOR FACTORY SHIPMENT ONLY.

BREAD KNIVES AND SLICERS.

BREAD KNIVES.



No. 35 —9 in. blade, finest Norwegian razor steel, special temper, Damaskeene finish, scalloped edge, ground on both sides, extra keen, fitted with substantial hardwood handle riveted to the tang which absolutely prevents the blade from coming loose, strong nickel plated ferrule..per dozen **CCJ** $5.50

These knives are packed one in a box with the "" Knife Sharpening Hone, made especially for sharpening this knife. Materials used in this stone are the best obtainable and the result of long experience and testing. It will put a perfect cutting edge on the scalloped edge with a few strokes. Nickel plated screw hook with each knife to hang it up.

No. 25 —Same as No. 35 without sharpening hone, per dozen.....**BDJ** $4.00

BREAD KNIVES.

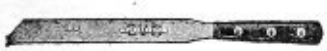


No. 980 —8 in. blade, swaged, extra finish, cocoa handle, with bolster .....per dozen **CFJ** $5.00



No. 61 —9 in. blade, swaged and extra finish, width of blade 2 in., solid cocobola handle, with fancy bolster, per dozen .....**DJJ** $6.70

ONE-HALF DOZEN IN A BOX.



No. 3564 —Assorted handles, two each, boxwood, cocobola and ebony, 9 in. blade of finest quality steel, handsomely finished, handles secured by three brass saw screw rivets, per dozen .....**DHJ** $8.00

ONE-HALF DOZEN ASSORTED IN A BOX.



No. 981 —8 in. finest quality crucible steel blade, scimiter swaged, highly polished, solid genuine ebony handle .....per dozen **JFJJ** $10.00



No. 982 —8 in., finest quality crucible steel blade, scimiter swaged, highly polished, genuine stag handle, per dozen .....**JHDJ** $14.00

ONE-HALF DOZEN IN A BOX.



No. 64 —9 in. forged steel swaged blade, patent toothed cutting edge, black rubberoid handle, metal ferrule, blade securely fastened in handle with brass rivet, per doz. **AHJ** $3.00

ONE-HALF DOZEN IN A BOX.

No. 9—Brooks, 8½ in., forged steel swaged blade, patent toothed cutting edge, hardwood varnished handle, nickle plated metal ferrule, per dozen .....**BDJ** $4.00

ONE IN A BOX; ONE DOZEN IN A CARTON.

The blade is forged and not blanked from sheet steel. It is tapered from back to edge and is beautifully ground. The cutting edge is very sharp, and will cut hot or cold bread or cake equally well, will not break or crack cake frosting, makes a perfectly smooth and clean cut, can be sharpened in the same manner as a common knife.



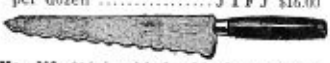
No. 1563 —8 in. blade, best quality and finish, cocobola handles, metal bolster .....per dozen **BDJ** $4.00



No. 240 —7½ in. blade, cocoa handle, with bolster, per dozen .....**BDJ** $4.00



No. 1955—J. Russell & Co.'s, 8 in. blade, extra finish, file tang, solid ebony handle, metal bolster, per dozen .....**JIFJ** $16.00



No. 308—9¼ in. blade, black enameled solid hardwood handle, with nickel plated ferrule ..per dozen **JIJ** $1.50

ONE DOZEN IN A BOX.



No. 305—Combination bread sets, consisting of one each, bread, cake and paring knife, with black enameled solid hardwood handle, and nickel plated ferrule, per doz. sets **BAJ** $3.50

ONE SET IN A BOX.

GENUINE CHRISTY BREAD KNIVES.



No. 2—Bread knives, 9½ in., fine steel blade, nickel plated, wire handles, per dozen .....**CDJ** $5.70

ONE IN A PASTEBOARD ENVELOPE.



No. 900—Genuine Christy center cut bread knives, 9⅝ in. long, finest crucible steel blades highly polished, gum wood handle firmly fastened to the blade with two large brass saw screw rivets, w't per doz. 3 lbs., per dozen .....**BDJ** $4.00

PACKED ONE DOZEN IN A CARDBOARD BOX.



No. 128—Genuine Christy center cut bread knives, finest crucible steel blade, nickel plated, blade 9½ in. long, with black rubberoid handle and nickel plated metal ferrule, handue securely fastened to the blade, diamond steel point, w't per doz. 4 lbs., per dozen .....**DHJ** $8.00

PACKED ONE-HALF DOZEN IN A CARDBOARD BOX.

HAM SLICERS AND BREAD KNIVES.



Finest Quality Hand Forged Blade, Flexible, Solid Rubber Handle, with Bolster, Extra Fine Quality.

No. 217-R —10 in. elastic blade, round point....per dozen **AJHJ** $18.00

No. 217-S —10 in. elastic blade, square point ..per dozen **AJHJ** $18.00



Finest Quality Hand Forged Swaged Blade, Warranted, Very Flexible, Ebony Handle.

No. 318 —10¼ in. blade, no bolster .....per dozen **EDJ** $9.00



Finest Quality Hand Forged Swaged Blade, Warranted, Very Flexible, Ebony Handle.

No. 319 —10¼ in., blade, no bolster .....per dozen **EDJ** $9.00

ONE-HALF DOZEN IN A BOX.

BEEF SLICERS.



Finest Quality Hand Forged Blade, Warranted, Very Flexible, Solid Ebony Handle.

No. 660 —

Blade, in.	12	14	16
Per dozen	$18.00	22.50	27.00
	AJHJ	**ACEJ**	**AFBJ**

ONE-HALF DOZEN IN A BOX.

SLICERS, CAKE TURNERS, COOKS' FORKS AND KNIVES.

HOTEL SLICERS.



Finest Quality Hand Forged Blade, File Tang, Solid Ebony Handle, Steel Bolster.

No. 65 —

Inches	12	14	16
Per dozen	$30.00★ AHJ J	36.00★ BAFJ	42.00★ BEBJ

No. 65 —Inches. 18 20

Per dozen ..... $60.00★ CFJJ 72.00★ DCBJ



Finest Quality Hand Forged Blade, Very Flexible, Scale Tang, Solid Ebony Handle, Steel Bolster.

No. 66 —

Inches	12	14	16
Per dozen	$36.00★ BAFJ	40.00★ BDJJ	46.00★ BGFJ

No. 66 —

Inches	18	20
Per dozen	$66.00★ CIFJ	84.00★ EJDJ

ONE-HALF DOZEN IN A BOX.

CAKE TURNER.



No. 810 —8 in., flexible steel, width 1⅜ in., with trowel shanks, beechwood handle with brass rivets, including one large saw screw rivet, w't per doz. 5 lbs., per dozen .....DHJ $8.00

ONE-HALF DOZEN IN A BOX.

COOKING KNIVES.



No. 623—Improved Teller, length 10 in., blade 4 in., tinned wire handle, w't per doz. 2 lbs., per dozen J I E $1.60

The new shaped blade makes it particularly adapted for chopping potatoes in the spider; it is broad and thin and pancakes, eggs, omelets, fish, etc., may beturned without breaking them. May also be used for removing cakes and pies from tins.

ONE DOZEN IN A BOX.

SABATIER SLICERS.



Hand Forged Blade, Solid Ebony Handle, German Silver Bolster, Tang Run Through Handle and Riveted, Made in France.

No. 100 —

Blade, in.	3	4	5	6
Per dozen	$3.00 BCJ	3.30 BDJ	3.70 BGE	4.70 CFJ

No. 100 —

Blade, in.	7	8	9
Per dozen	$5.50 DBJ	6.70 EJE	7.50 EGJ

No. 100 —

Blade, in.	10	12	14
Per dozen	$8.60 FEJ	12.00 JIJJ	17.50 ACBJ

SLICERS.



FEATHER WEIGHT.

Highest Quality, Hand Forged Blade, Narrow and Flexible, Highly Finished, Boxwood Handle.

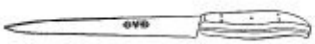
No. 3041 —

Blade, in.	6	7	8
W't per doz., lbs.	2	2¼	2½
Per dozen	$6.00★ CFJ	7.50★ DEJ	9.00★ EDJ

No. 3041 —

Blade, in.	9	10
W't per doz., lbs.	3	3½
Per dozen	$12.00★ JGBJ	15.00★ JIJJ

SLICERS.



HEAVY WEIGHT.

Highest Quality, Hand Forged Blade, Highly Finished, Boxwood Handle.

No. 3040 —

Blade, in.	6	8
W't per doz., lbs.	3	4
Per dozen	$6.00★ CFJ	9.00★ EDJ

No. 3040 —

Blade, in.	10	12
W't per doz., lbs.	5	7½
Per dozen	$15.00★ JIJJ	21.00★ ABFJ

ONE-HALF DOZEN IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

ROYAL SLICERS.



No. 1901 —9½ in., hand forged blade, polished and swaged, cocoa handle held securely by three large brass saw screw rivets, per dozen .....CIJ $6.50

These are of extra fine quality.

ONE-HALF DOZEN IN A BOX.

SLICERS.



No. 289 —9 in., scimeter swaged hand forged blade, finest quality flexible steel, polished, ebony handle secured by three brass saw screw rivets .....per dozen JGBJ $12.00

ONE-HALF DOZEN IN A BOX.

COOKS' FORKS.



No. 1996—One piece heavy steel wire, nickel plated, 13¾ in., per dozen .....ADE $2.40



No. 323—Solid beechwood handle, stained, full length 11 in., polished tines, nickel plated ferrule, per dozen .....AEJ $2.50



For Hotel, Restaurant or Camp Use.

No. 3—Cocoa handle, 12¾ in., heavy polished steel, saw screw rivet, per dozen .....BDJ $4.00

No. 800—Beechwood handle, 20½ in., otherwise same as No. 3, per dozen .....CJJ $5.00



Solid Steel Fork, Scale Tang.

No. 70 —Beechwood handle, 12 in. .....per dozen EAJ $8.50

No. 71 —Beechwood handle, 13¾ in. .....per dozen JGHJ $13.00

ONE-HALF DOZEN IN A BOX.

PARING KNIFE ASSORTMENTS AND KITCHEN SETS.

PARING KNIFE ASSORTMENT.



No. 700 —Consisting of 1 dozen knives, 3¼ in. solid aluminum handles, polished steel blades assorted 3 to 3½ in.,
per assortment .....ADE $2.40



No. 7673 —Full length 6½ in., length of blade 3 in., hand forged and beautifully finished, solid aluminum handles, strictly sanitary,
per dozen .....AHJ $3.00

The blades on these knives are made of special steel honed to a fine edge by hand. The handles are solid aluminum cast around the blades and are practically indestructible and very sanitary as there are no crevises nor holes for dirt and grease to lodge in.

ONE DOZEN IN AN EASEL DISPLAY BOX.

SANITARY KITCHEN SETS.



No. 1912 —Set consisting of 7 in. lunch knife, 6½ in. butcher knife, 7 in. kitchen spatula or pastry knife, 4 in. household or kitchen knife, and 3 in. paring knife, all blades of the very finest material, handsomely finished, handles of solid aluminum, highly polished....per set AIJ $3.20

Each handle is securely anchored to the blades, making it impossible for it to come loose.

The aluminum sanitary handles make this the cleanest and most sanitary kitchen set on the market. All of the above are mounted on a handsome steel rack lithographed in colors. It is intended that this rack be screwed up over the sink or in a convenient place in the kitchen so that the knives will always be easily found and near at hand.

PARING KNIFE ASSORTMENTS.



No. 308 —Assortment consisting of 1 dozen knives with ebonoid handles, branded Hibbard, Spencer Bartlett & Co., with flattened sides to prevent rolling, with 3 in. pocket knife blades hand forged from Wardlow's crucible steel, handsomely crocus polished and etched with trade mark, nickel plated ferrules, assorted blades, razor point, clip point and sheep foot point, unconditionally warranted, blades securely anchored in the handles by means of brass rivets which run through the handle and the tang of the blade,
per assortment .....BAJ $3.50

ONE DOZEN IN A HANDSOME DISPLAY EASEL.



No. 2050 —Full length 6½ in., blade 2⅞ in., crocus polished on front side, genuine ebony handle, heavy German silver bolster,
per dozen .....BAJ $3.50

ONE DOZEN ON AN EASEL DISPLAY STAND.

KITCHEN SETS.



No. 1165 —Consisting of 8 in. bread knife, 7½ in. lunch knife, 6 in. pastry knife, 5¼ in. household knife, 3 in. paring knife and 12 ½in. pot fork, all blades and tines of the very finest material and handsomely finished, handles all polished cocobolo and secured by polished brass rivets, per set .....ADE $2.40

ONE SET ON HEAVY CARDBOARD EASEL DISPLAY IN A BOX.

PARING KNIFE ASSORTMENTS.



No. 701 —Assortment, consisting of one dozen knives with hardwood handles, enameled Circassian walnut, first quality hand forged steel blades, trade mark , all sheep toe blades, blades assorted lengths, four each, 1⅞, 2 and 2⅛ in., nickel plated metal ferrules, per asst. AEJ $2.50

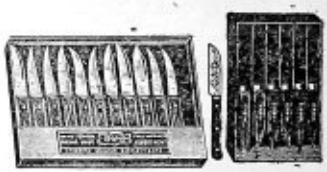
ONE DOZEN ON A HANDSOME DISPLAY EASEL.

The features of the above are: A full size handle that fits the hand. A short, sharp, stubby blade that does the work to perfection.



No. 838-C —Assortment consisting of one dozen paring knives, assorted, 4 each of the 3 styles illustrated, 3⅝ in. white bone handle, 3 in. blades, hand forged, full crocus polished with trade mark handsomely etched in gold, complete with attractive silk plush top display box, per assortment .....BDJ $4.00

ONE ASSORTMENT IN A BOX.



No. 3789. No. 510.

No. 3789 —Assortment, stag handles and polished steel blades, assorted kinds and lengths,
per assortment .....AEJ $2.50

ONE DOZEN ON EASEL DISPLAY STAND.

No. 510—Assortment, ebonized handles and polished steel swaged blades, with ferrules, assorted kinds and lengths .....per dozen JIJ $1.50

ONE DOZEN IN A BOX.



Steel Blades, One Dozen Assorted Kinds and Lengths.

No. 500—Assortment, enameled hardwood handles ....per asst. JGJ $1.20

No. 600—Assortment, whitewood handles .....per assortment DJ $0.70

ONE ASSORTMENT IN A BOX.

PARING AND LEMON KNIVES.

PARING.



Famous, parer and slicer, beechwood handle, nickel plated ferrule, full length 7¼ in., 2¾ in. blade, per dozen .....JGE $1.20
ONE DOZEN IN A BOX.



Champion, parer and corer, length 6⅛ in., enameled hardwood handle, finest English steel, 3½ in. blade, per dozen .....JHJ $1.50
ONE DOZEN IN A BOX.



No. 10—Home Safety, 7 in., hardened and tempered razor steel blade, nickel plated blade holder and ferrule, beechwood handle, per dozen .....JIE $1.60
ONE DOZEN ON A DISPLAY EASEL.



No. 15—Sterling, parer and corer, fine steel, length 5⅞ in., 3½ in. blade, black enameled wood handle, brass ferrule .....per dozen JIJ $1.50



No. 43—California, solid beechwood handle, 2¼ in. blade, hard steel point, per dozen .....JFJ $1.00
ONE DOZEN IN A BOX.



No. 017—Beechwood handle, 3¼ in. blade .....per dozen JFJ $1.00
No. 17—Delmonico, beechwood handle, 3 in. blade .....per dozen JFJ $1.00
ONE DOZEN IN A BOX.



No. 50—Ajax, 3¼ in. oiled hardwood handle, 3¼ in. blade, per dozen .....JFJ $1.00
ONE DOZEN IN A BOX.



No. 27—Black Diamond, 3 in. blade, extra finish, polished hardwood handle, nickel plated ferrule, per dozen .....ABJ $2.00
ONE DOZEN IN A BOX.

PARING.



No. 303—2¾ in. superior cast steel blade, burnt hardwood handle, nickel plated ferrule, blade securely fastened in handle by steel pin, per dozen .....JIE $1.80
ONE DOZEN IN A BOX.



No. 28—3¼ in. blade, beechwood handle .....per dozen JIJ $1.50
ONE DOZEN IN A BOX.



No. 29—3 in. blade, polished hardwood handle, nickel plated ferrule .....per dozen JIJ $1.50
ONE DOZEN IN A BOX.



No. 30—3½ in. blade, extra finish, cocoa handle, per dozen .....AAE $1.90
ONE DOZEN IN A BOX.



No. 713—3¼ in. swaged blade, enameled hardwood handle, nickel plated ferrule, per dozen AJJ $1.70
ONE DOZEN IN A BOX.



No. 777—3½ in. blade, ebony handle .....per dozen AAE $1.90
ONE DOZEN IN A BOX.



No. 35—4 in. polished steel blade, swaged, stag handle, per dozen .....AHJ $3.00
ONE DOZEN IN A BOX.



No. 0102N—H. S. B. & Co.'s, 2 in. pocket knife blade, polished cocoa handle .....per dozen BAJ $3.50
ONE-HALF DOZEN IN A BOX.



No. 113—3¼ in. blade, polished and swaged, cocobolo handle, w't per doz. 12 oz. .....per dozen JIE $1.60
ONE DOZEN IN A BOX.



No. 114—3¼ in. blade, polished and swaged, rosewood handle, per dozen .....JIE $1.60
ONE DOZEN IN A BOX.

PARING.



No. 123½—Harrington, 3½ in. crucible steel blade, sharp point, nickel plated ferrule, ebonized handle, per dozen .....JHJ $1.30
ONE DOZEN IN A BOX.



No. 12—J. Russell & Co.'s, beechwood handle, 3 in. blade, per dozen .....JHJ $1.30
TWO DOZEN IN A BOX.



No. 3—J. Russell & Co.'s, 2¼ in. blade, cocoa handle ..per dozen JIJ $1.50
TWO DOZEN IN A BOX.



No. 6—J. Russell & Co.'s, 3 in. blade, swaged, solid beechwood handle, with brass ferrule ..per dozen AGJ $2.80
ONE DOZEN IN A BOX.



No. 13—J. Russell & Co.'s, 3½ in. blade, beechwood handle, per dozen .....ACJ $2.20

No. 13D—J. Russell & Co.'s, 3½ in. blade, hand forged, extra finish, rosewood handle ..per dozen BDE $4.10
TWO DOZEN IN A BOX.

LEMON.



No. 55—Dexter, 4⅛ in. crucible tool steel blade, nickel plated and polished, burnt hardwood handle, brass ferrule .....per dozen BGJ $4.50
ONE DOZEN IN A BOX.

GRAPE FRUIT KNIVES, PEPPER MILLS, POTATO SCOOPS, ETC.

GRAPE FRUIT AND ORANGE KNIVES.



No. 1669—Full length 7¼ in., extra quality curved 3½ in. steel blade, ebonized hardwood handle with steel ferrule ..per dozen **CFJ** $6.00

For counter display we have one knife mounted on handsome easel.

We charge for the knife, but make no charge for easel.

ONE IN A BOX; ONE DOZEN BOXES IN A CARTON.



No. 8021—Full length 7¼ in., finest quality curved blade, length 3¾ in., with serrated edge and chisel point, white bone handle, packed one dozen in an attractive green plush top display box size 8x2½x1¾ in., covered with black leatherette paper, per dozen .....**BDJ** $4.00

This is the best grape fruit knife ever designed.

GRAPE FRUIT KNIVES.



No. 25—Dexter, 4 in. crucible tool steel blade, nickel plated, and polished imitation ebony hardwood handle, nickel plated ferrule, blade nicely curved and handsomely finished, per dozen .....**CFJ** $6.00

ONE DOZEN IN A BOX.



No. 26—Charles, French pattern, full length 8 in., length of blade 4 in., unplated, brass ferrule, solid ebony handle, tang running entirely through the handle and riveted at the end so that the handle cannot come off, curved blade for preparing grape fruit for the table ..per dozen **CJJ** $4.00

TWO DOZEN IN A BOX.

KITCHEN KNIFE AND FORK SETS.



No. 1160—Finest quality crucible steel, scimeter swaged knife and three tine fork, cocobola handles with bolsters, beautifully finished, per dozen pairs .....**BAJ** $3.50

ONE PAIR ON AN ATTRACTIVE CARD.

DECORATING OR VEGETABLE.



No. 1477—5 in. blade, solid ebony handle, metal bolster, per dozen .....**EGJ** $8.00
Especially adapted for making fancy pastry.

ONE DOZEN IN A BOX.

FRUIT AND VEGETABLE EYERS.



No. 3—Peerless, length 6 in., beech handle, nickel plated steel scoop or spoon with sharp edges, nickel plated ferrule .....per dozen **AJJ** $1.70

Never has anything been made that compares with this for preparing pineapples. Just the 'thing' for preparing apples for baking, as it removes the core without making hole through apple. Has no equal for removing eyes and bad spots from potatoes, with the least possible loss. Also removes cores from pears when cut in half for canning.

ONE DOZEN ON A NEAT DISPLAY STAND.

PINEAPPLE EYE SNIPS.



No. 1—Pack's japanned trimmer handles, nickel plated jaws, length 5¼ in. .....per dozen **BDJ** $4.00

ONE DOZEN IN A BOX.

POTATO SCOOPS.



No. 7764—Cocoa handle, brass pinned, nickel plated, assorted ¾, ⅞, 1 and 1⅛ in. .....per dozen **AHJ** $3.00

ONE DOZEN IN A BOX.

PEPPER MILLS.

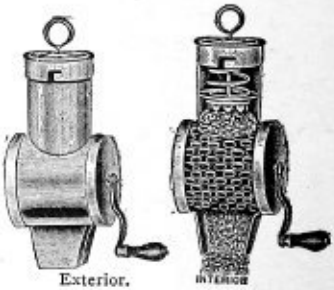


No. 240C. No. 229C.

No. 240C—2⅝ in. high, polished walnut, nickel plated trimmings, per dozen .....**CJJ** $4.00
No. 229C—2¼ in. high, polished walnut, nickel plated trimmings, per dozen .....**EGJ** $8.00

ONE DOZEN IN A PACKAGE.

NUTMEG GRATERS.

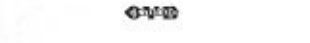


Ever Ready, extra heavy sheet metal, nickel plated, per dozen **BDJ** $4.00
Simple, clean and durable, will not rust and will not grate the fingers. Always keeps the nutmeg fresh.
ONE DOZEN IN A PACKAGE.

MISCELLANEOUS KNIVES.

CHEESE KNIVES.





No. 153—12 in. tinned blade, solid beechwood handle ....per dozen **EAJ** $8.50

BUTTER SPADES.



No. 08 —8 in. tinned blade, cocoa handle .....per dozen **JGBJ** $12.00



No. 7—8 in. tinned steel body, riveted hardwood handle, per doz. **BDJ** $4.00

The blade is made from the best steel and warranted to be free from flaws.

ONE-HALF DOZEN IN A BOX.

BROOM CORN KNIVES.



, Patented.

3¼ Inch Burnt Hardwood Handle, Brass Ferrule, Curved Blade, Highly Polished, Complete with Leathers.

No. 44½ —4½ in. blade, per dozen .....**BJJ** $3.30

No. 45½ —5½ in. blade, per dozen .....**BCJ** $3.80



, Patented.

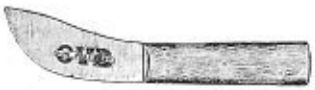
3¼ Inch Burnt Hardwood Handle, Brass Ferrule, Curved Blade, Highly Polished, Complete with Leathers.

No. 144½ —4½ in. blade, per dozen .....**BJJ** $3.30

No. 145½ —5½ in. blade, per dozen .....**BCJ** $3.80

ONE DOZEN IN A BOX.

TOBACCO KNIVES.



No. 41 —Full length 9¼ in., length of blade 4½ in., finest quality forged steel with beechwood handle, per dozen .....**AHJ** $3.00

ASPARAGUS SPUDS.



No. 940 —Drop-forged, polished forked steel blade, enameled shank, birch handle, polished ferrule, length 14 in. .....per dozen **CJJ** $5.00

This tool is indispensable as garden weeder and asparagus knife.

ONE-HALF DOZEN IN A BOX.

HAWK BILL KNIVES.



No. 304 —2 in. superior cast steel blade, burnt hardwood handle, nickel plated ferrule, blade securely fastened in handle by steel pin, per dozen .....**ADE** $2.40

This is an ideal knife for cutting oilcloth, linoleum, felt roofing, leather, etc. Used in public school manual training classes.

ONE DOZEN IN A BOX.

SHOE KNIVES.



Burnt Hardwood Handle, Steel Ferrule, Square Point Blade.

Nos.	30	35	40	45
Blade, in.	2½	3	3½	4
Per dozen	$1.60	1.60	1.60	1.60
	JIE	**JIE**	**JIE**	**JIE**

These knives are of a superior quality of steel and are highly finished.



J. Ames', Silver Steel, Black Handle, No Ferrule, Square Point.

Nos.	32	42
Blade, in.	4	4½
W't per doz., lbs.	2½	3
Per dozen	$2.10	2.20
	ABE	**ACJ**

J. Ames', Silver Steel, Beechwood Handle, Brass Ferrule, Square Point.

Nos.	24	34	44
Blade, in.	3½	4	4½
W't per doz., lbs.	2	2½	3
Per dozen	$2.20	2.20	2.70
	ACJ	**ACJ**	**AFJ**



No. 15—John Russell & Co.'s, 4 in. hand forged diamond steel blade, hardwood handle, brass ferrule, per dozen .....**BFE** $4.40



No. 5—Harrington's, beechwood handle, nickel plated ferrule, 4½ in. curved blade, square point, per dozen .....**AEJ** $2.50

ONE DOZEN IN A BOX.

MISCELLANEOUS KNIVES.

FARRIERS'.



No. 6824 —Bone handle, superior steel blade, assorted widths, ⅝ and ¾ in., warranted, per doz. **CFJ** $6.00



No. 7834.

No. 7838—Wostenholm's, wood handle, assorted widths, ⅝ and ¾ in., per dozen .....**CFJ** $6.00

No. 7834—Wostenholm's, bone handle, assorted widths, ⅝ and ¾ in., per dozen .....**DBJ** $7.00



No. 7835—Wostenholm, iron handle, assorted widths, ⅝ and ¾ in., w't per doz. 4½ lbs., per dozen **CFJ** $6.00

ONE-HALF DOZEN IN A PACKAGE.

KNIFE SHARPENERS.



A combined Sharpener and Knife Rest for Table and Kitchen Use.

No. 6—Elyria, nickel plated steel frame, 2 tool steel tempered serrated rollers, length 4 in.....per dozen **BDJ** $4.00

ONE DOZEN IN A BOX.

"OH, SO EASY" KNIFE SHARPENERS.



No. 7—Full length 7 in., two rigid steel discs secured to a steel shaft, nickel plated, 4½ in. rubber handle, per dozen .....**CFJ** $6.00

Retails for 35 cents.

ONE DOZEN IN A COUNTER DISPLAY CARTON.

BAND.



No. 2—Meriden, cocobolo handle, sickle edge, 5 in. blade, per doz. **EDJ** $9.00

ONE-HALF DOZEN IN A BOX.

SLOYD.



No. 88-A.

No. 88-A—Swedish, 3⅛ in. stationary blade, solid boxwood handle, brass ferrule .....per dozen **BDJ** $4.00

No. 8-A—Swedish, 3⅛ in. stationary blade, solid boxwood handle, brass ferrule .....per dozen **BAJ** $3.50

No. 98-A—Swedish, 2½ in. stationary blade, solid boxwood handle, brass ferrule .....per dozen **AHJ** $3.00

ONE DOZEN IN A PACKAGE.



No. 122—Swedish, 2½ in. heavy beveled stationary blade, solid boxwood handle, brass ferrule, per dozen .....**BDJ** $5.00

These knives are coming into very general use as carpenter's bench knives and are extensively used in manual training schools throughout the country.

ONE DOZEN IN A PACKAGE.

CHIP CARVING.



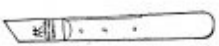
No. 010 —Length 5 in., blade 1⅝ in., stained hardwood handle, securely fastened with three steel rivets, per dozen .....**AEJ** $2.50

ONE DOZEN IN A BOX.



No. 302—Swedish, length 5 in., blade 1⅛ in., Swedish boxwood handle securely fastened with 3 brass rivets, per dozen..... **AHJ** $3.00

Gross lots .....per gross **AHJJ** 30.00



No. 62—Henckel's genuine, full length 5 in., blade 1⅛ in., cocobolo handle securely fastened with three brass rivets.....per dozen **BGJ** $4.50

ONE-HALF DOZEN IN A BOX.

CLAM.



No. 1 —Beechwood handle, brass ferrule, 2½ in. blade, per dozen .....**JGJ** $1.20

OYSTER.



No. 80 —Black Diamond, beechwood handle, brass ferrule, 2½, 3 and 3½ in. blade....per dozen **BJJ** $3.30



No. 85 —Solid steel, length 8¼ in., per dozen .....**CCJ** $5.50

ONE DOZEN IN A BOX.



No. 802 —Beechwood handle, 4¼ in. blade, finest Norwegian steel, w't per doz. 2 lbs., per dozen .....**AFJ** $2.70



No. 25 —Beechwood handle, 3 in. blade, Sandusky pattern, w't per doz. 2½ lbs. .....per dozen **BDJ** $4.00



No. 55 —Finest quality beechwood handle, 3½ in. forged blade, large brass rivets, per doz. **BDJ** $4.00

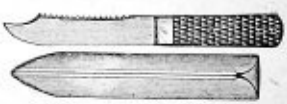
ONE-HALF DOZEN IN A BOX.

FISHERMEN'S.



No. 8103 —5 in. blade, double edged point, saw toothed back for scaling fish, beechwood handle securely fastened with five steel rivets, per dozen .....**BJJ** $3.30

ONE-HALF DOZEN IN A BOX.



No. 10-R—Russell's, 4¼ in. blade, scored cocobolo handle, lap bolster, leather sheath with loop to attach to belt, per dozen .....**DHJ** $8.00

ONE DOZEN IN A BOX.

PUTTY AND PAPER HANGERS' KNIVES.

PUTTY KNIVES.



Beechwood Handle, 3¼ Inch Blade, Width 1⅜ Inches.

No. 826-E —Elastic blade, per dozen .....AEJ $2.50
No. 826-S —Stiff blade, per dozen .....AEJ 2.50

Cocoa Handle, 3¼ Inch Blade, Width 1⅜ Inches.

No. 926-E —Elastic blade, per dozen .....AFJ $2.70
No. 926-S —Stiff blade, per dozen .....AFJ 2.70



Extra Finish, Metal Bolster, Cocoa Handle, 3⅝ Inch Blade, Width 1¼ Inches.

No. 366-E —Elastic blade, per dozen .....AIJ $3.20
No. 366-S —Stiff blade, per dozen .....AIJ 3.20



Extra Finish, Steel Bolster, Cocoa Handle, 3⅝ Inch Blade, Width 1⅜ Inches.

No. 380-E —Elastic blade, per dozen .....BBJ $3.70
No. 380-S —Stiff blade, per dozen .....BBJ 3.70

Extra Finish, Steel Bolster, Cocoa Handle, 3½ Inch Blade, Width 2 Inches.

No. 0380-E —Elastic blade, per dozen .....BDJ $4.00
No. 0380-S —Stiff blade, per dozen .....BDJ $4.00



Extra Finish, Brass Bolster, Solid Cocoa Handle, 3 Inch Blade, Width 1½ Inches.

No. 3000-E —Elastic blade, per dozen .....BDJ $4.00
No. 3000-S —Stiff blade, per dozen .....BDJ $4.00

ONE DOZEN IN A BOX.

PUTTY KNIVES.



No. 382 —Extra heavy, stiff blade with chisel point, cocobola handle, 3¼ in. blade, width 1¼ in., w't per doz. 3 lbs., per dozen .....BAJ $3.50

For removing old hard putty and glass from sash, this knife has no equal.



Extra Finish, Solid Brass Bolster, Genuine Cocobola Handle, Two Large Brass Saw Screw Rivets, 3⅝ Inch Blade, Width 1⅜ Inches.

No. 381-E —Elastic blade, per dozen .....BGJ $4.50
No. 381-S —Stiff blade, per dozen .....BGJ 4.50



J. RUSSELL & CO.'S, Extra Finish, Steel Bolster, Cocoa Handle, 3½ Inch Blade, Width 1¼ Inch.

No. 150-E—Elastic blade, per dozen .....BDE $4.10
No. 150-S—Stiff blade, per dozen .....BDE 4.10



Extra Finish, Cast Steel Blade, Cocoa Handle, 3⅝ Inch Blade, Width 1¼ Inches.

No. 3-E—Elastic blade, per dozen .....AAJ $1.80
No. 3-S—Stiff blade, per dozen .....AAJ 1.80

Extra Finish, Cast Steel Blade, Beechwood Handle, 3½ Inch Blade, Width 1¼ Inches.

No. 4-E—Elastic blade, per dozen .....JIJ $1.50
No. 4-S—Stiff blade, per dozen .....JIJ 1.50

ONE DOZEN IN A BOX.

PUTTY KNIVES.



Steel Ferrule, Enameled, Hardwood Handle, 3⅝ Inch Blade, Width 1¼ Inches.

No. 10-E—Elastic blade, per dozen .....JGJ $1.20

No. 10-S—Stiff blade, per dozen .....JGJ 1.20

PAPER HANGERS' KNIVES.



Extra Fine Quality, Nickel Plated Ferrule, Polished Hardwood Handle, 3⅝ Inch Blade, Width 1⅜ Inch.

No. 305 —Round point, per dozen .....BDJ $4.00



No. 306 —Polished hardwood handle, nickel plated ferrule, 3⅝ in. blade, width 1⅜ in., square point, per dozen .....BDJ $4.00

ONE DOZEN IN A BOX.

MISCELLANEOUS KNIVES AND TRACING WHEELS.

SCRAPING KNIVES.



Extra Finish, Metal Bolster, Brass Rivets, Cocoa Handle, 4⅛ Inch Blade.

No. 102½ —Width of blade 2½ in. .....per dozen **DBJ** $7.00

No. 102 —Width of blade 3 in., per dozen .....**DEJ** $7.50

No. 102E —Width of blade 3 in., elastic point, otherwise same as No. 102 .....per dozen **DEJ** $7.50

ONE-HALF DOZEN IN A BOX.



STIFF POINT, Extra Finish, Solid Steel Bolster, Brass Rivets, Cocoa Handle.

No. 325S — Width, in.	2½	3
Per dozen	$8.00	9.20
	DHJ	**EEJ**

No. 325S — Width, in.	3½	4
Per dozen	$10.50	12.00
	JFCJ	**JGBJ**

ELASTIC POINT, Extra Finish, Solid Steel Bolster, Brass Rivets, Cocoa Handle.

No. 325E — Width, in...	2½	3	3½
Per dozen	$8.00	9.20	10.50
	DHJ	**EEJ**	**JFCJ**

ONE-HALF DOZEN IN A BOX.



Fine Finish, Steel Bolster, Steel Rivets, Cocobola Handle, Length of Blade 4⅝ In.

No. 1062½ —Width of blade 2½ in. .....per dozen **BDJ** $4.00

No. 1063 —Width of blade 3 in., per dozen .....**BHJ** $4.70

No. 1063½ —Width of blade 3½ in. ....per dozen **CCJ** $5.50

ONE-HALF DOZEN IN A BOX.



No. 101—Cruso, enameled hardwood handle, full length 8 in., width of blade 3 in. .....per dozen **AJE** $1.70

ONE DOZEN IN A BOX.

SCRAPING KNIVES.



CRUSO, Solid Beechwood Handle, Full Length 8½ Inches.

No. 33—Cruso, width 3 in., per dozen..... **JHJ** $1.20

No. 34—Cruso, width 4 in., per dozen..... **JHE** 1.20

ONE DOZEN IN A BOX.

SPATULAS.



Extra Finish, Finest Quality, Cocoa Handle, Steel Bolster, Flexible Blade.

No. 3803 — Blade, in..	3	4	5	6
Per dozen ..	$4.00	4.30	5.00	6.00
	BDJ	**BFJ**	**CJJ**	**CFJ**

No. 3803 — Blade, in. ..	7	8	9
Per dozen	$7.20	10.00	12.00
	DCJ	**JFJJ**	**JGBJ**

No. 3803 — Blade, in. ..	10	12	14
Per dozen	$16.00	28.00	36.00
	JIFJ	**AFHJ**	**BAFJ**

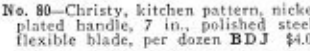
ONE DOZEN IN A BOX.

KITCHEN SPATULAS.



No. 407 —7 in. flexible blade, finest quality, cocobola handle with three large brass saw screw rivets, per dozen .....**BDJ** $4.00

ONE-HALF DOZEN IN A BOX.



No. 80—Christy, kitchen pattern, nickel plated handle, 7 in., polished steel, flexible blade, per dozen **BDJ** $4.00

ONE IN A PAPER ENVELOPE.

SPATULAS.



CHRISTY, Nickel Plated Handle, Extra Thin Polished Steel, Flexible Blade.

No. 100—Blade, in.	4	5
Per dozen	$3.10	3.60
	AHE	**BAE**

No. 100—Blade, in.	6	10
Per dozen	$4.00	10.50
	BDJ	**JFCJ**

ONE IN A CARDBOARD ENVELOPE.

KITCHEN SPATULAS.



No. 127 —7 in., flexible blade of finest quality, polished, nickel plated wire handle ...per dozen **BDJ** $4.00

The Spatula is intended for pastry and general kitchen work. This thin, flexible blade is excellent for spreading frosting on cakes, removing cakes from tins, turning griddle cakes, eggs and fish or scraping skillets and kettles.

ONE IN A PASTEBOARD ENVELOPE; ONE DOZEN IN A BUNDLE.

OIL CLOTH KNIVES.



No. X750—3½ in., cast steel blade, burnt handle, riveted, per doz. **DHJ** $8.00

For cutting oil cloth, linoleum, etc.

ONE-HALF DOZEN IN A BOX.

BANANA KNIVES.



No. 395 —Beechwood handle, brass ferrule, fine polished steel blade, full length 11¼ in., per dozen .....**CFJ** $6.00

ONE-HALF DOZEN IN A PACKAGE.

TRACING WHEELS.



No. 1.

Single Wheel, Black Enameled Wood Handle, Polished Ferrule, Full Length 5¼ Inches.

No. 1—Polished cast steel shank, per dozen .....**EJ** $0.80

No. 3—Nickel plated cast steel shank, per dozen .....**JIJ** $1.50



No. 2—Double wheel, adjustable, black enameled wood handle, polished ferrule, cast steel shank, length 5¼ in., per dozen .....**AAE** $1.90



No. 4—Single wheel, white ash handle, nickel plated bent cast steel shank and ferrule, length 6¼ in., per dozen .....**BDJ** $4.00

ONE DOZEN IN A BOX.

MISCELLANEOUS KNIVES.

ONE ARM MEN'S KNIVES.



No. 735 —Solid ebony handle, extra finish, finest quality blade, full length 8½ in., w't per doz. 1½ lbs., per dozen .....ABFJ $21.00

ONE DOZEN IN A BOX.

COTTON SAMPLING KNIVES.



No. 145 —Fine beechwood handle, held in place by three large brass saw screw rivets, 5½ in. finest quality polished blade, w't per doz. 5 lbs., per dozen .....DEJ $7.50



No. 167 —Cocobolo handle, one folding blade, iron lined, length 4⅝ in., w't per doz. 3 lbs., per dozen .....EAJ $8.50

ONE-HALF DOZEN IN A BOX.

HUNTING KNIVES.



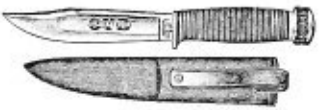
Stag Handle, German Silver Guard, Hand Forged Crucible Steel Blade, Crocus Polished, Leather Sheath.

No. 7374 —4 in. blade, clip point, per dozen .....JFJJ $10.00

No. 7375 —5 in. blade, clip point, per dozen .....JFFJ $11.00

No. 7376 —6 in. blade, clip point, per dozen .....JGHJ $13.00

When ordering No. 7376, please be careful to specify, either clip or spear point.



No. 1827 —6 in. full hollow ground, clip point,, hand forged crucible steel blade, laminated leather handle, hard rubber and brass bands, buck horn butt, long russet leather sheath .....per dozen BAFJ $36.00



No. 7803 —Extra finish, finest quality scored ebony handle, metal bolster, 6 in. polished and swaged blade, without sheath, per dozen .....CIJ $6.50



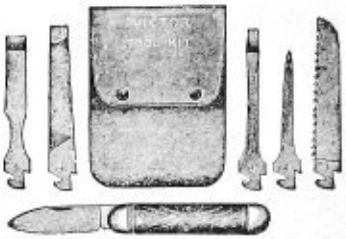
No. 400—Scored cocobolo handle, 6 in. polished and swaged blade, without sheath .....per dozen AHJ $3.00



No. 1784—Genuine deerfoot handle, solid steel guard and metal bolster, 6 in silver steel blade, with sheath, per dozen .....EDJ $9.00

ONE-HALF DOZEN IN A BOX.

TOOL KITS.



No. 5—Victor, consisting of cocoa handle, iron lined pocket knife, 3⅞ in. closed, glazed blade in one end, and the other end blank, 1 combination file and large screw driver, 1 small screw driver, 1 chisel, 1 reamer and 1 saw, tools all hand forged and polished, and made to fit into the blank end of the handle and hold securely while in use, packed in a neat tan leather case, 3½x4½ in., stamped in gold .....per dozen AEFJ $30.00

Especially adapted for household, mechanic and outing purposes.



No. 6—Consisting of cocoa handle, iron lined, knife with glazed blade in one end and the other end blank, 1 large combination file and screw driver, 1 small screw driver, 1 chisel, 1 reamer, 1 gimlet, 1 saw, 1 can opener and 1 combination hammer and tack puller, tools all hand forged and polished, and made to fit into the blank end of the handle securely while in use, packed in a neat tan leather case, 4x4 in., stamped in gold, per dozen ..... BGJJ $48.00

This is very complete, and especially adapted for household and mechanic use, and very handy for automobilists and campers.

ONE IN A BOX.

HUNTING AND CAMPING KNIVES AND FORKS.

FOLDING.



One Blade, Glazed, 4½ in., Iron Lined, Length Closed 5½ in.

No. 144 —Cocoa handle, single bolster .....per dozen **JGHJ** $13.00

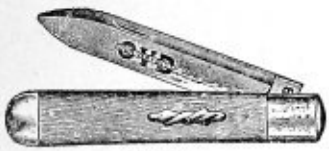
No. 145 —Cocoa handle, double bolster .....per dozen **JHDJ** $14.00

No. 146 —Stag handle, double bolster .....per dozen **JIJJ** $14.50



Lock Back.

No. 156 —1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5½ in., per dozen **AFBJ** $25.00



Lock Back.

No. 127 —1 blade, glazed, 3¼ in., cocoa handle, brass lined, length closed 3¼ in., per dozen **AJHJ** $16.00



Lock Back.

No. 143 —1 blade, full polished, 3⅝ in., stag handle, brass lined, length closed 4½ in., per dozen .....**JIFJ** $16.00

ONE-HALF DOZEN IN A BOX.

PRESS BUTTON, FOLDING.



No. 943—1 blade, polished, 3 in. stag handle, iron lined, length closed 4 in., per dozen .....**JGBJ** $12.00



No. 944—1 blade, polished, 3⅜ in., stag handle, iron lined, length closed 4⅞ in. .....per dozen **JHDJ** $14.00



No. 953—1 blade, polished, 3¼ in., stag handle, iron lined, patented, self-adjusting, German silver guard, length closed 4⅞ in., per dozen **AADJ** $19.00

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

ONE-HALF DOZEN IN A BOX.

SWEDISH, FOLDING.



No. 03.

One Blade, Full Polished, Highest Grade Steel, Birch Wood Handle, Brass Lined, Ring At End for Chain.

No. 02—Length closed 3¾ in., blade 3 in. .....per dozen **JGBJ** $12.00

No. 01—Length closed 4¼ in., blade 3½ in. .....per dozen **JGBJ** $12.00

ONE-HALF DOZEN IN A BOX.

GERMAN, FOLDING.



Deerfoot Handle, Brass Lined, Lock Back and Guard.

No. 4839—1 blade, polished, 4⅛ in., and cork screw, length closed 5⅝ in., per dozen .....**BJAJ** $35.50

No. 0156—1 blade, polished, 3½ in., length closed 4⅜ in., fancy bolster, ring on end for chain, per dozen .....**ABFJ** $21.00

ONE-HALF DOZEN IN A BOX.

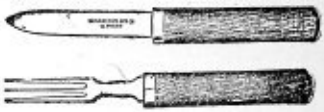
FISHERMEN'S KNIVES.



No. 6-R—5 in. closed, Russel lock back, easy opener, one blade double edged point with saw tooth back, brown bone handle, iron lined, has hole drilled to receive a rope or chain, per dozen .....**JIFJ** $16.00

ONE-HALF DOZEN IN A BOX.

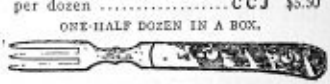
CAMPING KNIVES AND FORKS.





No. 70—2 pieces, knife and fork, cocobola handles, 3⅛ in. polished steel blade and fork, brass ferrules, length 7⅜ in., per dozen .....**CCJ** $5.50

ONE-HALF DOZEN IN A BOX.





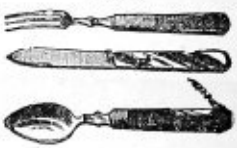
No. 0602—2 pieces, knife and fork, 3⅜ in., brass lined, stag handle, joins and opens like an ordinary pocket knife, fine quality steel blade and fork, polished, German silver bolster, per dozen .....**JIFJ** $16.00

ONE-HALF DOZEN IN A BOX.

CAMPING KNIFE, FORK AND SPOON.



Closed.



Open.

No. 0800—3 pieces, knife, fork and spoon with corkscrew, 4 in. crocus polished steel knife and fork, German silver spoon and bolster, brass lined, buffalo horn handle, per dozen **AIHJ** $33.00
A splendid article for camp use.

ONE IN A BOX.

OUR VERY BEST SCISSORS AND SHEARS.

STRAIGHT TRIMMERS.



Japanned Handles, Nickel Plated Blades.

No. 20 OVB—

Length, in...	6	6½	7
Per dozen....	$13.00	14.00	15.00
	JDEJ	JDHJ	JEAE

No. 20 OVB—

Length, in...	7½	8	8½
Per dozen.....	$16.00	17.00	18.00
	JEFJ	JEHE	JFBJ

No. 20 OVB—

Length in..	9	10
Per dozen.....	$21.00	27.00
	JGBJ	JICJ

ONE-HALF DOZEN IN A BOX.



Nickel Plated Handles and Blades.

No. 25 OVB—

Length, in...	6	6½	7
Per dozen....	$13.00	14.00	15.00
	JECJ	JEFE	JFAJ

No. 25 OVB—

Length, in	7½	8	8½
Per dozen.....	$16.00	17.00	18.00
	JFEJ	JFIJ	JGCJ

No. 25 OVB—

Length, in.	9	10
Per dozen	$21.00	27.00
	JHEJ	AJIE

Left Hand, Full Nickel Plated Handles and Blades.

No. 50 OVB—

Length, in. .	7	7½	8
Per dozen	$20.00	21.00	22.00
	JHGJ	JIJJ	JIDJ

ONE-HALF DOZEN IN A BOX.



WITH NUT AND BOLT, Japanned Handles, Nickel Plated Blades.

No. 10 OVB—

Length, in...	6	6½	7
Per dozen....	$13.00	14.00	15.00
	JDFE	JDIE	JECJ

No. 10 OVB—

Length, in...	7½	8	8½
Per dozen....	$16.00	17.00	18.00
	JEEE	JFJJ	JFCJ

No. 10 OVB—

Length, in.....	9	10
Per dozen.....	$21.00	27.00
	JGDJ	JIDE

WITH NUT AND BOLT, Nickel Plated Handles and Blades.

No. 15 OVB—

Length, in...	6	6½	7
Per dozen.....	$13.00	14.00	15.00
	JEDJ	JEHJ	JFBE

No. 15 OVB—

Length, in...	7½	8	8½
Per dozen.....	$16.00	17.00	18.00
	JFFJ	JGJE	JGDJ

No. 15 OVB—

Length, in.....	9	10
Per dozen.....	$21.00	27.00
	JHFE	AAAJ

ONE-HALF DOZEN IN A BOX.

BENT TRIMMERS.



Japanned Handles, Nickel Plated Blades.

No. 35 OVB—

Length, in...	7	7½	8
Per dozen.....	$16.00	17.00	18.00
	JEEJ	JEHE	JFBJ

No. 35 OVB—

Length, in.....	9	10
Per dozen.....	$24.00	30.00
	JHBE	AJCE

Nickel Plated Handles and Blades.

No. 30 OVB—

Length, in...	6½	7	7½
Per dozen	$15.00	16.00	17.00
	JFJE	JFEJ	JFHE

No. 30 OVB—

Length, in.	8	8½	9	10
Per dozen...	$18.00	21.00	24.00	30.00
	JGCJ	JHEJ	JIGJ	ABAE

ONE-HALF DOZEN IN A BOX.



WITH NUT AND BOLT, Japanned Handles, Nickel Plated Blades.

No. 36 OVB—

Length, in.....	7	8
Per dozen.....	$16.00	18.00
	JEFE	JFCE

WITH NUT AND BOLT, Nickel Plated Handles and Blades.

No. 31 OVB—

Length, in.	7	8	9	10
Per dozen...	$16.00	18.00	24.00	30.00
	JFFJ	JGDE	JIHE	AbCJ

ONE-HALF DOZEN IN A BOX.

DRAW CUT.



Bent Blades, Full Nickel Plated, Patent Nut and Bolt.

No. 90 OVB—

Length, in...	5½	6½	7
Per dozen....	$9.00	10.00	12.00
	EDJ	JFJJ	JGBJ

No. 90 OVB—

Length, in...	7½	8	9
Per dozen....	$12.50	13.00	17.00
	JGEJ	JGHJ	AJBJ

ONE-HALF DOZEN IN A BOX.

Straight Blades, Full Nickel Plated, Patent Nut and Bolt.

No. 95 OVB—

Length, in.	6	7	8	9
W't, doz., lbs.	1½	2	3½	5
Per dozen ...	$10.00	12.00	13.00	17.00
	JFJJ	JGBJ	JGHJ	AJBJ

Patent construction of above shears produces a draw cut which gives excellent satisfaction. Made and finished just as fine as skilled workmen can make them. Steel laid with best crucible steel, all full nickeled and warranted to the fullest extent.

ONE-HALF DOZEN IN A BOX.

BANKERS'.



Japanned Handles, Finely Polished Blades.

No. 60 OVB—

Length, in...	10	12	14
Per dozen.....	$27.00	34.00	44.00
	JICJ	AAGJ	AEAE

Nickel Plated Handles, Finely Polished Blades,

No. 70 OVB—

Length, in...	10	12	14
Per dozen.....	$27.00	34.00	44.00
	AJIE	ACGJ	AGHJ

ONE-HALF DOZEN IN A BOX.

BARBERS'.



Nickel Plated Handles and Blades.

No. 40 OVB—

Length, in.....	8	8½
Per dozen.....	$17.00	18.00
	JFIJ	JGCJ

ONE-HALF DOZEN IN A BOX.



French Pattern, Full Polished Blades, Nickel Plated Handles.

Nos.	1027	1027½	1028
Length, in.....	7	7½	8
Per dozen.....	$15.00	17.00	19.00
	JIJJ	AJBJ	AADJ

ONE-HALF DOZEN IN A BOX.

ROPE OR MULE.



No. 1044 OVB—New patent serrated blade, full length 8½ in., japanned handles, nickel plated blades, per dozen .....ADDJ $20.00

With these shears one can cut rubber, leather belting and large sizes of rope as easily as you could cut a piece of muslin with a six inch trimmer.

ONE-HALF DOZEN IN A BOX.

MULE.



No. 27½ OVB—10 in., steel laid, heavy nickel plated blades, japanned handles.....per dozen AJHJ $31.00

In addition to being the best shears for docking mules' tails, these are also the best candy shears. For other mule shears, see page 1695.

ONE-HALF DOZEN IN A BOX.

SHEARS AND TRIMMERS.

MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledg of the requirements in that locality enables him to handle your orders intelligently.

Your voluntary orders are given the same careful attention asifyou were buying the goods from us personally and are billed at the *lowest market prices.*

SHIPPING FACILITIES

With our immense stock and unexcelled shipping facilities we can fill orders with unequaled promptness. On most roads we have through package cars which enable us to reach distant points many hours ahead of shipments made in the regular way.

STRAIGHT TRIMMERS.



No. 120.

REVONOC

Japanned Handles, Nickel Blades. Plated

No. 120 REVONOC— Length, in...	6	6½	7
Per dozen	$13.00	14.00	15.00
	JCFJ	JCIJ	JDBJ

No. 120 REVONOC— Length, in.....		7½	8
Per dozen		$16.00	17.00
		JDEJ	JDHJ

No. 120 REVONOC— Length, in.....		8½	9
Per dozen		$18.00	21.00
		JEAJ	JFJJ

Nickel Plated Handles and Blades.

No. 125 REVONOC— Length, in...	6	6½	7
Per dozen	$13.00	14.00	15.00
	JDBJ	JDEJ	JDHJ

No. 125 REVONOC— Length, in.....		7½	8
Per dozen		$16.00	17.00
		JEAJ	JEDJ

No. 125 REVONOC— Length, in.....		8½	9
Per dozen		$18.00	21.00
		JEGJ	JFFJ

ONE-HALF DOZEN IN A BOX.

BENT TRIMMERS.



No. 135.

REVONOC

Japanned Handles, Nickel Plated Blades.

No. 135 REVONOC— Length, in.....	7	8	9
Per dozen	$16.00	18.00	24.00
	JDHJ	JEDJ	JFFJ

Nickel Plated Handles and Blades.

No. 130 REVONOC— Length, in.....	7	8	9
Per dozen	$16.00	18.00	24.00
	JEDJ	JFJJ	JGBJ

ONE-HALF DOZEN IN A BOX.

BANKERS' OR PAPER HANGERS' SHEARS.



REVONOC

Japanned Handles, Nickel Plated Blades.

No. 160 REVONOC— Length, in.		12	14
Per dozen		$34.00	44.00
		JIFJ	ABJJ

ONE-HALF DOZEN IN A BOX.

BARBERS' SHEARS.



No. 1017½—French pattern, length 7½ in., solid steel, full polished, per dozen .....JGBJ $12.00

No. 1031—Length 7½ in., gun metal finish.....per dozen JGHJ $13.00

ONE-HALF DOZEN IN A BOX.

SHEARS, TRIMMERS AND ASSORTMENTS.

CAST SHEARS.



"VICTORIA," Japanned Handles, Unpolished Blades.

Nos.	1	2	3
Inches	6	7	8
Per dozen	$0.80	.90	1.00
	EJ	EE	JFJ



Nickel Plated, Brass Nut and Bolt.

No. 282—In.,	6	7	8	9
Per dozen	$2.00	2.40	2.60	2.80
	ABJ	ADE	AEE	AGJ

ONE DOZEN IN A BOX.



No. 01164—Champion, length 8 in., full nickel plated, fitted with patented spring tension adjustment,
per dozen .....BDJ $4.00

ONE-HALF DOZEN IN A BOX.

PARK CITY STRAIGHT TRIMMERS.



Cast Steel Nickel Plated Blades. Japanned Handles.

No. 360—Length, in.	7	8	9
Per dozen	$3.50	4.00	4.50
	BAJ	BDJ	BGJ

Nickel Plated Handles.

No. 320—Length, in.	7	8
Per dozen	$4.00	4.50
	BDJ	BGJ

ONE-HALF DOZEN IN A BOX.

SHEAR ASSORTMENTS.



Cast Steel, Heavily Nickel Plated, Cushion Bearing, Brass Bolt and Nut.

Pawnee Assortment, consisting of one dozen shears, comprising two only 6 in., four only 7 in., four only 8 in., two only 9 in., not sold separately, per assortment .....AHJ $3.00



Cast Steel, Heavily Nickel Plated, Bent Shears, Cushion Bearing, Brass Bolt and Nut.

Olympia Assortment, consisting of one dozen shears, comprising three only 7 in., six only 8 in., three only 9 in., not sold separately,
per assortment .....BDJ $4.00



Jointed Carbonized Steel, Heavily Nickel Plated, Highly Finished.

America Assortment, consisting, of one dozen shears, comprising two only 6 in., four only 7 in., four only 8 in., two only 9 in., not sold separately, per assortment .....BDJ $4.00



Solid Silver Steel, Nickel Plated, Brass Bolt and Nut, Easily Adjusted or Taken Apart for Sharpening.

Royal Assortment, consisting of one dozen shears, comprising three only 7 in., six only 8 in., three only 9 in., not sold separately,
per assortment .....BDJ $4.00



Cast Steel, Heavily Nickel Plated, Bent Trimmers, Cushion Bearing, Brass Bolt and Nut.

Continental Assortment, consisting of one dozen shears comprising three only 7 in., six only 8 in. and three only 9 in., not sold separately, per assortment .....BDJ $4.00

ONE ASSORTMENT IN A BOX.

SHEAR ASSORTMENTS.



Cast Steel, Nickel Plated, Cushion Bearing, Brass Bolt and Nut.

White Star Assortment, consisting of one dozen shears, comprising two only 6 in., four only 7 in., four only 8 in., two only 9 in., not sold separately, per assortment .....BDJ $4.00

ONE ASSORTMENT IN A BOX.

GRAPE SHEARS OR PICKERS.



No. 11239-C—Full length 7 in., drop forged steeel, black handle, bright blades, blued steel volute springs, per dozen .....BDJ $4.00

ONE-HALF DOZEN IN A BOX.

LAMP TRIMMERS.



No. 40—Length 5¾ in., polished steel blades, japanned handles,
per dozen .....EGE $8.00



No. 401—Length 6 in., polished steel blades and guard, nickel plated handles .....per dozen JGEJ $10.50

ONE-HALF DOZEN IN A BOX.

ELECTRICIANS' SCISSORS.



No. 2644¼—5¼ in., full nickel plated, file back, w't per doz. 2 lbs., per dozen .....JCFJ $10.50

ONE DOZEN IN A BOX.

LADIES' SCISSORS.



Superior Cast Steel, Polished, Brass Bolt and Nut, Inverted Bows.

No. 020—Length, in.	4½	5	6
Per dozen	$2.50	3.00	4.00
	AEJ	AHJ	BDJ



H. S. B. & Co.'s Solid Steel, Nickel Plated.

Nos.	44½	45	45½	46
Length, in.	4½	5	5½	6
Per dozen	$3.50	4.00	4.50	5.00
	BAJ	BDJ	BGJ	CJJ



H. S. B. & Co.'s Solid Steel, Nickel Plated, Inverted Bows.

Nos.	54½	55	55½	56
Length, in.	4½	5	5½	6
Per dozen	$4.00	4.50	5.00	5.50
	BDJ	BGJ	CJJ	CCJ



REVONOC Solid Steel, Nickel Plated.

Nos.	254½	255	255½	256
Length, in.	4½	5	5½	6
Per dozen	$4.00	4.50	5.00	5.50
	BDJ	BGJ	CJJ	CCJ



H. S. B. & Co.'s, Solid Steel, Nickel Plated.

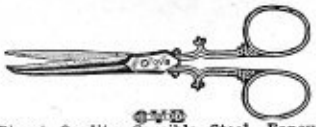
Nos.	705	705½	706
Length, in.	5	5½	6
Per dozen	$5.00	6.00	7.00
	CJJ	CFJ	DBJ



Finest Quality Solid Steel, Inverted Bows, Full Nickel Plated and Highly Finished, ©H.S.B. Trade Mark Handsomely Etched in Gold, Convex Blades.

No. 3959 ©H.S.B.— Length, in.	4½	5	5½
Per dozen	$8.50	9.00	9.50
	EAJ	EDJ	EGJ
No. 3959 ©H.S.B.— Length, in.		6	7
Per dozen		$11.50	14.00
		JFIJ	JHDJ

ONE-HALF DOZEN IN A BOX.



©H.S.B. Finest Quality Crucible Steel, Fancy Gold Plated Handles, Nickel Plated Blades, Full Crocus Polished.

Nos.	2063½	2064	2064½
Length, in.	3½	4	4½
Per dozen	$8.00	8.50	10.00
	DHJ	EAJ	JFJJ
Nos.	2065	2065½	2066
Length, in.	5	5½	6
Per dozen	$10.50	11.00	12.00
	JFCJ	JFFJ	JGBJ

No. 2063½ Scissors are especially adapted for lace work.



H. S. B. & Co.'s, High Grade Solid Steel Nickel Plated Blades, Gold Plated Handles.

Nos.	1163½	1164	1164½	1165
Length, in.	3½	4	4½	5
Per dozen	$7.50	8.00	8.50	9.00
	DGJ	DHJ	EAJ	EDJ
No.				1166
Length, in.				6
Per dozen				$10.00
				JFJJ



©H.S.B. Wardlow's Fine Solid Crucible Steel, Inverted Bows, Full Nickel Plated and Highly Finished, ©H.S.B. Trade Mark Handsomely Etched in Gold.

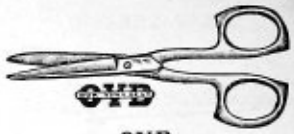
Nos.	1814	1814½	1815
Length, in.	4	4½	5
Per dozen	$8.50	9.00	10.00
	EAJ	EDJ	JFJJ
Nos.		1815½	1816
Length, in.		5½	6
Per dozen		$11.00	12.00
		JFFJ	JGBJ
Nos.		1816½	1817
Length, in.		6½	7
Per dozen		$13.00	15.00
		JGHJ	JIJJ



Wardlow's Fine Solid Crucible Steel, Double Pointed, Inverted Bows, Full Nickel Plated and Highly Finished, ©H.S.B. Handsomely Etched in Gold.

Nos.	1803½	1804	1804½
Length, in.	3½	4	4½
Per dozen	$8.00	8.50	9.00
	DHJ	EAJ	EDJ
Nos.	1805	1805½	1806
Length, in.	5	5½	6
Per dozen	$10.00	11.00	12.00
	JFJJ	JFFJ	JGBJ
Nos.		1806½	1807
Length, in.		6½	7
Per dozen		$13.00	15.00
		JGHJ	JIJJ

ONE-HALF DOZEN IN A BOX.



©H.S.B. Wardlow's Fine Crucible Steel, Nickel Plated Blades, White Enameled Handle.

Nos.	243½	244½	245
Length, in.	3½	4½	5
Per dozen	$8.00	8.50	10.00
	DHJ	EAJ	JFJJ
Nos.		245½	246
Length, in.		5½	6
Per dozen		$11.00	12.00
		JFFJ	JGBJ



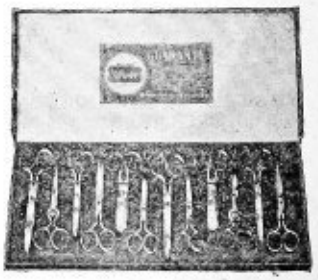
No. 866—"Hib-Spe-Bar," 6 in., superior, solid steel, nickel plated, with gold plated bows, handles set with red, green and blue brilliants, per dozen .....DHJ $8.00



Finest Quality Solid Crucible Steel, Nickel Plated, Highly Finished Blades, Fancy Oxidized Silver Plated Handles.

Nos. ©H.S.B.	2504	2504½	2505
Length, in.	4	4½	5
Per dozen	$9.00	9.50	10.00
	EDJ	EGJ	JFJJ
Nos. ©H.S.B.		2505½	2506
Length, in.		5½	6
Per dozen		$11.50	12.00
		JFIJ	JGBJ

ONE-HALF DOZEN IN A BOX.



No. 844—Assortment consists of one dozen scissors of fine quality steel, full nickel plated, assorted as follows, two each, 4½, 5, 5½ and 6 in. ladies', two each, 4½ in. buttonhole and two each 4½ in. pocket scissors, put up in a silk plush lined easel display case, size 12½x6 in., for counter display, per assortment .....DHJ $8.00

ONE ASSORTMENT IN A BOX.

SCISSORS.

LADIES.



No. 0100.

No. 0100 Assortment, highest grade solid steel, nickel plated, inverted bows, consisting of twelve scissors, comprising two 3½ in. embroidery, two each 4, 4½, 5, 5½ and 6 in. ladies', per ass't JFJJ $10.00

ONE ASSORTMENT IN A BOX.

No. 1 Clipper Assortment, cast steel, full nickel plated, inverted bows, assortment consists of twelve scissors, comprising two embroidery, 3½ in., two each, 4, 4½, 5, 5½ and 6 in. ladies' scissors, as shown above, per assortment ..... BDJ $4.00

ONE ASSORTMENT IN A BOX.

POCKET.



No. 0—Length 4½ in., superior cast steel, japanned inverted bows, unpolished blades, per dozen JFJ $1.00



No. 027—Length 4½ in., superior cast steel, blue japanned inverted bows, nickel plated blades, per dozen .....JIE $1.60



No. 1089—Length 4 in., superior cast steel, nickel plated, inverted bows, per dozen .....AEJ $2.50

ONE DOZEN IN A BOX.

POCKET.



Superior Cast Steel, Nickel Plated, Brass Bolt and Nut, Inverted Bows.

No. 21—Length, in.	4	4½
Per dozen	$2.50	3.00
	AEJ	AHJ



H. S. B. & CO.'S, Solid Steel, Nickel Plated, Inverted Bows.

No. 85—Length, in..	4	4½	5
Per dozen	$4.00	4.00	4.00
	BDJ	BDJ	BDJ



No. 201—H. S. B. & Co.'s, length 5 in., solid steel, polished, per dozen .....CJJ $5.00

ONE-HALF DOZEN IN A BOX.

POCKET.



Hib-Spe-Bar."

Fine Quality Solid Steel, Full Nickel Plated, Heavy Beveled Blades and Inverted Bows.

Nos.	424	424½	425
Length, in.	4	4½	5
Per dozen	$8.00	8.00	8.00
	DHJ	DHJ	DHJ



Finest Quality Solid Steel, Nickel Plated, Inverted Bows, Convex Blades.

No. 23959 — Length, in..	4	4½	5
Per dozen	$9.50	10.00	10.50
	EGJ	JFJJ	JFCJ

ONE-HALF DOZEN IN A BOX.



Wardlow's, Fine Solid Crucible Steel, Full Nickel Plated and Highly Finished, Trade Mark Handsomely Etched in Gold.

Nos.	1824	1824½	1825
Length, in.	4	4½	5
Per dozen	$10.00	10.50	11.00
	JFJJ	JFCJ	JFFJ

Each pair of scissors is put up in a handsome blue and gold lithographed envelope and each envelope is contained in an individual cardboard box.

ONE-HALF DOZEN IN A CARTON.



Finest Quality Solid Steel, Nickel Plated, Heavy Beveled Blades, Inverted Bows, Trade Mark Etched in Gold.

Nos.	324	324½	325
Length in.	4	4½	5
Per dozen	$11.00	11.50	12.50
	JFFJ	JFIJ	JGEJ

ONE-HALF DOZEN IN A BOX.

SCISSORS.

POCKET ASSORTMENTS.



No. 2—"Clipper" assortment, solid steel, nickel plated, assortment consists of one dozen scissors comprising four each, 3½, 4 and 4½ in., per assortment .....BDJ $4.00
ONE ASSORTMENT IN A BOX.

BUTTON HOLE.



No. 230—Length 4½ in., cast steel, nickel plated, brass set screw, adjustable, per dozen .....BDJ $4.00
ONE-HALF DOZEN IN A BOX.



H. S. B. & Co.'s Fine Grade Solid Steel, Nickel Plated, Adjustable.

Nos.	300½	303½
Length, in.	4	4½
Per dozen	$6.00	9.50
	CFJ	EGJ



H. S. B. & Co.
No. 400—Length 4¼ in., fine grade solid steel, full nickel plated, adjustable, brass set screw, per doz. DHJ $8.00



No. 300—H. S. B. & Co.'s, length 4⅛ in., fine grade solid steel, full nickel plated, adjustable, brass set screw, per dozen .....JFIJ $11.50



No. 301½—H. S. B. & Co.'s, length 5¼ in., fine grade solid steel, full nickel plated, adjustable, brass set screw .....per dozen JGBJ $12.00
ONE-HALF DOZEN IN A BOX.

BUTTON HOLE.



No. 2056 —Length 4½ in., finest quality solid steel, full nickel plated, simple sliding adjustment, per dozen .....JGBJ $12.00
ONE-HALF DOZEN IN A BOX.



No. 304½ —Length 4½ in., finest quality solid steel, nickel plated, adjustable, brass set screw, trade mark etched in gold, per dozen .....JGEJ $12.50



No. 354½ —Length 4½ in., Wardlow's fine crucible steel, nickel plated blades, white enameled handles, per dozen .....JGEJ $12.50

EMBROIDERY.



No. 253½ —Length 3½ in., solid steel, full nickel plated, per dozen .....BDJ $4.00

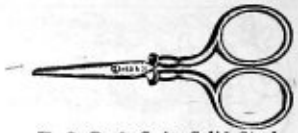


No. 743—Full length 2½ in., solid steel, nickel plated blades and gold plated handles or bows, per doz. BDJ $4.00



No. 101½—H. S. B. & Co.'s, length 3¼ in., solid steel, polished, per dozen .....BDJ $4.00
ONE-HALF DOZEN IN A BOX.

EMBROIDERY.



H. S. B. & Co.'s, Solid Steel.
No. 101—Length 3½ in., polished, per dozen .....CCJ $3.50
No. 100—Length 3 in., nickel plated, per dozen .....CFJ $6.00



No. 102—H. S. B. & Co.'s, length 3¾ in., solid steel, nickel plated, per dozen .....DBJ $7.00



No. E3959 —Lengt. 3½ in, finest quality solid steel, full nickel plated, trade mark etched in gold, per dozen .....DHJ $8.00
No. 213¾ —Length 3¾ in., nickel plated blades and gold plated bows, otherwise same as No. E3959, per dozen .....DHJ $8.00



No. 2412—Rooster pattern, 4¼ in. long, gold plated bows and body, nickel plated blades, high quality, per dozen .....DHJ $8.00
A most attractive item for Holiday trade.



No. 2503½ —Finest quality solid crucible steel, nickel plated blades fancy oxidized silver plated handles, length 3½ in., per dozen DHJ $8.00



No. 804—H. S. B. & Co.'s, length 4 in., fine grade solid steel, nickel plated blades, fancy gold plated handles set with red and green brilliants, per dozen .....DHJ $8.00
ONE-HALF DOZEN IN A BOX.

SCISSORS.

EMBROIDERY.



No. 595—Stork, 3½ in., gold plated bows, nickel plated blades, mounted on very neat and attractive card, having sprig of holly and Christmas bells on one end and "Merry Christmas and Happy New Year" at top, per dozen .....DHJ $8.00
ONE-HALF DOZEN IN A NICELY LABELED BOX.



Gold Plated Bows, Nickel Plated Blades.

No. 3393½—Length 3½ in., per dozen .....EDJ $9.00
No. 3394—Length 4 in., per dozen .....EGJ 9.50

H. S. B. & Co.'s, Full Gold Plated, Including Bows and Blades, Fine Quality Steel.

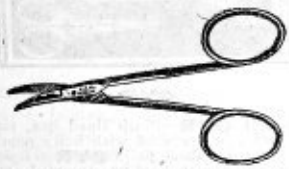
No. 2189—Length, in.	3	3½	4
Per dozen	$8.50	9.00	9.50
	EAJ	EDJ	EGJ

ONE-HALF DOZEN IN A BOX.



No. 1017¼—Length 4 in., finest quality steel, blades nickel plated, oxidized silver finish handles, put up one pair in an attractive box 5x2¾ in., covered with holly paper, per dozen .....JGBJ $12.00

MANICURE OR CUTICLE.

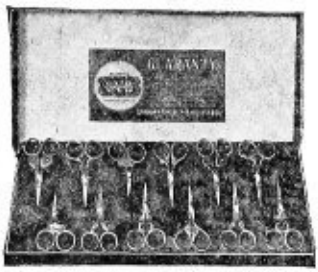


Forged Steel, Full Nickel Plated.

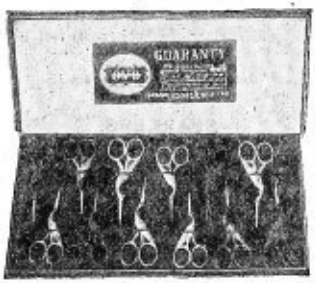
No. 1468—Length, in.	3½	4
Per dozen	$4.00	$4.00
	BDJ	BDJ

ONE-HALF DOZEN IN A BOX.

EMBROIDERY ASSORTMENTS.



No. 555—Assortment consists of one dozen finest quality embroidery scissors, length 2¾x3¼ in., fine nickel plated blades, two-thirds of the assortment with fancy gold plated handles and one-third with bright fancy handles, put up in a silk plush lined easel display case, size 12½x6½ in., for counter display, per assortment .....DHJ $8.00



No. 1015—Assortment consists of one dozen finest quality stork embroidery scissors, 6 each 3½ and 4 in. long, 5 pairs have nickel plated blades and oxidized silver finish handles, 3 pairs have nickel plated blades and gold plated handles, 2 pairs nickel plated blades and gun metal finish handles and 2 pairs gun metal finish blades and handles, put up in a silk plush lined easel display case, size 14x17 in., for counter display.....per assortment JFFJ $11.00

MANICURE OR CUTICLE.

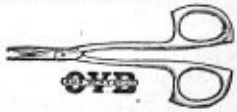


H. S. B. & CO.'S, Forged Steel, Full Nickel Plated.

Nos.	11083	11083½	11084
Length, in	3	3½	4
Per dozen	$8.00	8.00	8.00
	DHJ	DHJ	DHJ

ONE-HALF DOZEN IN A BOX.

MANICURE OR CUTICLE.



No. 224—Wardlow's fine crucible steel, nickel plated blades, white enameled handles, per dozen .....JIFJ $16.00



Wardlow's Finest Crucible Steel, Full Nickel Plated and Higly Finished, Trade Mark Etched in Gold.

Nos.	1833½	1834
Length, in.	3½	4
Per dozen	$12.00	12.00
	JGBJ	JGBJ

NAIL.



H. S. B. & CO.'S, Forged Steel, Nickel Plated, Heavy Bent Blades, Both of Which Have Single Cut Nail File Tops.

No. 500—Length 3½ in., per dozen ..... DHJ $ 8.00



No. 234—Length 4 in., Wardlow's fine crucible steel, full nickel plated blades, white enameled handles .....per dozen JFFJ $11.00



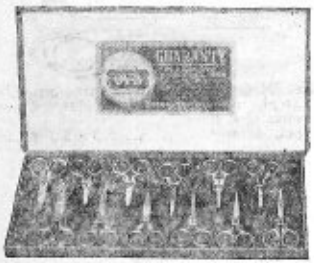
Wardlow's, Finest Solid Crucible Steel, Full Nickel Plated and Highly Finished, Trade Mark Handsomely Etched in Gold, Inverted Bows, Heavy Bent Blades, Both Having Single Cut Nail File Tops.

Nos.	1843½	1844
Length, in.	3½	4
Per dozen	$11.00	11.00
	JFFJ	JFFJ

Each pair of scissors is put up in a handsome blue and gold lithographed envelope and each envelope is contained in an individual cardboard box.
ONE-HALF DOZEN IN A BOX.

MANICURE ASSORTMENTS, SCISSOR SETS AND CIGAR LIGHTERS.

MANICURE ASSORTMENTS.



No. 1014 —Assortment consisting of one dozen finest quality cuticle and nail scissors, 6 pairs of each, nickel plated blades, six pairs with fancy nickel plated handles and six pairs with gold plated handles, put up in a silk plush lined easel display case, size 12½x6½ in., for counter display ..per assortment JGBJ $12.00

FOLDING SCISSORS.



No. 3342—Full length 4 in., length folded 2⅝ in., cast steel, nickel plated, both blades have single cut nail file top, each in a neat imitation leather case .....per dozen BDJ $4.00

ONE-HALF DOZEN IN A CASE.

KRAEMER LIGHTERS.



No. 100—Solid brass, full nickel plated, per dozen .....DHJ $8.00

The Kraemer Lighter—"The light that lights." Made in America by American workmen for American people. Can easily be taken apart. The above lighter is operated automatically. Pressure of a button on the front of the case releases the cover which sets off the flint spark, igniting the wick. The latter is saturated with benzine, which gets its supply from a reservoir in the bottom of the lighter. This reservoir can be replenished from time to time, the capacity being about seventy drops. The reservoir is lined with cotton which absorbs the benzine.

The Kraemer Lighter will last for years and is fully guaranteed.

ONE IN A PASTEBOARD BOX.

SPARKERS.

Extra Sparkers for Kraemer Vest Pocket Lighters..per dozen CE $0.60

These sparkers are very easily inserted in the lighter by raising up the spring clamp that extends over the channel directly above the ratchet wheel that has indentations or teeth on it.

IN BULK.

SCISSOR SETS.



No. 925 —Consisting of one pair 5 in. Ladies' scissors and one pair 3½ in. embroidery scissors, with handsome gold plated handles, full crocus polished blades, finest quality throughout, put up in a fine Morocco leather sheath with polished brass tip, per dozen sets JIFJ $16.00

ONE SET IN A BOX.

SCISSORS IN CASES.



No. 3443.

Fine Seal Grain Leatherette Case, Lined With Red Plush and Silk.

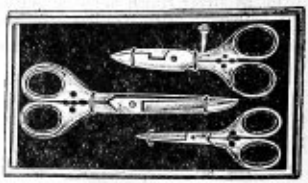
No. 3443 —Three piece set consisting of one pair each, 6 in. Ladies' scissors, 3½ in. embroidery scissors, 7 in. draw cut shears, complete with case, 8½x5¾x1¼ in.....per set BHJ $4.70

No. 3444 —Four piece set consisting of one pair each, 6 in. Ladies' scissors, 3½ in. embroidery scissors, 4½ in button hole scissors with set screw and 7 in. draw cut shears, complete with case, 9½x5½x1¼ in., per set ..... CCJ $5.50

No. 3445 —Five piece set, consisting of one pair each 6 in. Ladies' scissors, 4½ in. Ladies' scissors, 3½ in. embroidery scissors with set screw and one pair 7 in. draw cut shears complete with case 9x6x1¼ in., per set ..... CFJ $6.00

All of the scissors and shears contained in these cases are the very highest quality, nickel plated, etched and beautifully finished. The cases are very attractive, being made of fine materials. Extreme care has been shown in every detail.

SCISSOR SETS.



No. 1016 —Plush lined box, size 7⅛x4⅞ in., covered with holly paper, containing three pairs scissors of the finest quality, assorted, one pair each 5½ in. ladies', 4 in. button-hole and 3½ in. embroidery, nickel plated blades and fancy gold plated handles .....per set AHJ $3.00

SCISSOR AND DESK SETS.

SCISSOR SETS.



No. 657 —Fine black leather flexible, folding case, size closed 7x3x½ in., lined with heavy purple silk, contains 1 pair each 5½ and 5 in. ladies' scissors and 3 in. embroidery scissors, fancy oxidized finish handles, nickel plated blades.....per set **BDJ** $4.00



No. 660 —Fine black leather flexible, folding case, size closed, 7x3½x½ in., lined with heavy green silk, contains 1 pair each 6 in. and 4½ in. ladies' scissors, and 3½ in. embroidery scissors, all with double lace points, and 1 pair 4½ in. buttonhole scissors, all full nickel plated, per set .....**CFJ** $5.00



No. 658 —Fine red leather case, flexible folding style, size closed 7x3x½ in., lined with tan silk, contains 1 pair each 5½ and 4½ in. ladies' scissors and 1 pair 3½ in. embroidery scissors, all with fancy gold plated handles and nickel plated blades, complete, per set **CJJ** $4.00

ONE SET IN A BOX.

SCISSOR SETS.



No. 655 —Fine black leather flexible, folding case, size closed 7x3x⅜ in., lined with heavy blue silk, contains one pair ladies' 5½ in. nickel plated scissors and 1 pair 3¼ in. gold bow embroidery scissors, per set ..... **AEJ** $2.00



No. 659—Fine black leather case, flexible folding style, size closed 7x3½x½ in., lined with heavy green silk, contains 1 pair each 6, 5 and 4 in. ladies' scissors and 4½ in. buttonhole scissors, all with fancy gold plated handles and nickel plated blades, complete, per set **CFJ** $6.00

ONE SET IN A BOX.

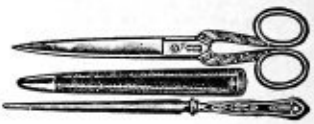
DESK SETS.



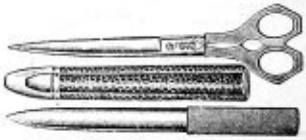
No. 11555 —Consisting of one pair finest quality paper shears, 8 in. in length and one letter opener 8½ in. in length, handsome gold plated fancy handles, bright finish with full crocus polished blades, beautifully finished throughout, put up in fine Morocco leather sheath with gold plated metal tip ....per dozen sets **AAGJ** $19.50



No. 11519 —Consisting of one pair finest quality paper shears 8¼ in. in length and one letter opener 8¼ in. in length, handsome gold plated fancy handles, bright finish and bearing silver plated decorations, full crocus polished blades, handsomely finished throughout, put up in fine leather sheath with gold plated tip, per dozen sets.....**ADDJ** $24.00



No. 11516 —Consisting of one pair finest quality paper shears, 8 in. in length and one letter opener 8½ in. in length, handsome silver plated fancy handles, French gray finish, with full crocus polished blades, beautifully finished throughout, put up in fine Morocco leather sheath with silver plated metal tip, per dozen sets ..... **ADDJ** $24.0



No. 11506 —Consisting of one pair finest quality paper shears, 9¼ in. in length and one paper cutter or letter opener 9¼ in. in length, handsome gold plated handles, dull finish, plain flat pattern and full crocus polished blades, handsomely finished throughout, put up in fine Morocco leather sheath with gold plated metal tip, per dozen sets.....**AHJJ** $40.00

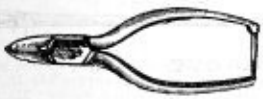
ONE SET IN A BOX.

MANICURE GOODS.

NAIL NIPPERS.



No. 1051—Length 4¼ in., concave nipper, fine steel, full nickel plated, with plated spring, per dozen **DCJ** $7.20



No. 1052—Length 4¾ in., concave nipper, extra grade steel, full nickel plated, with nickel plated spring, per dozen .....**JFAJ** $10.10

ONE-HALF DOZEN IN A BOX.

NAIL CLIPPERS.



No. 691—Snow, length 2½ in., high grade steel, nickel plated, powerful leverage, combination nail cutter, file and cleaner, cuts easy and smooth, per dozen .....**BAE** $3.60

ONE DOZEN ON A CARD.

NAIL CLIPPERS.



No. 2—Gem, length 1¾ in., nickel plated, combines nail clipper, nail file and nail cleaner, per doz. **BAJ** $3.50

ONE DOZEN ON AN EASEL CARD.



No. 10—Ideal, length 2 in., made of tool steel, hardened and tempered, nickel plated, combines nail cutter and cleaner with first class nail file attached .....per dozen **BAJ** $3.50

Special features of this nail clipper are the powerful compound lever and double cutting knives, so finely adjusted that they will cut a hair.

ONE DOZEN ON AN EASEL DISPLAY CARD.



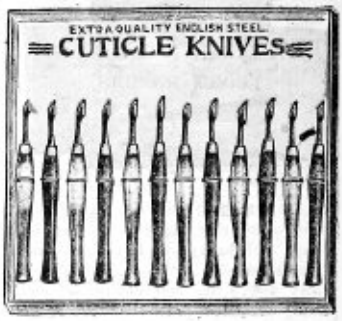
No. 44—Klip-Klip, length folded 2½ in., nickel plated, combines nail clipper, nail file and nail cleaner, per dozen .....**BDJ** $4.05

ONE DOZEN ON AN EASEL CARD.



No. 11080½—W. H. Morley & Sons, length 3½ in., combination nail clipper, nail file and nail cleaner, nicely nickel plated with pearl scale on top side of lever...per dozen **BDJ** $4.00

CUTICLE KNIVES.



No. 124 ◎✕▣—Assorted lengths 4¼ to 4¾ in., assorted handles, 4 each white bone, ebony and fine pearl, 1¾ in. high grade steel blades, straight edge, swaged and full crocus polished, round shanks...per dozen **BGJ** $4.50

ONE DOZEN ON AN EASEL DISPLAY CARD.

CORN KNIVES.



No. 130 ◎✕▣—Assorted lengths, 5¼ to 5½ in., handles assorted, 6 each white bone and ebony, high grade steel blades, assorted shapes and lengths, 1½ to 2 in., hollow ground and full crocus polished, 8 with round shanks and no ferrules, 4 with flat shanks and German silver ferrules, per dozen .....**BGJ** $4.50

ONE DOZEN ON AN EASEL CARD.

MANICURE GOODS.

MANICURE STICKS.



No. 2706—Orangewood, length 4¼ in., hoof pattern, sharp point,
per dozen .....AH $0.30
ONE DOZEN IN A BUNDLE.

CORN RAZORS



3¼ Inches Closed, Special Ground Blade, Highly Tempered and Set with Keenest Possible Edge, Crocus Polished, Strictly Antiseptic, Telescopic Case.
No. A1—Black, hard rubber handle,
per dozen .....DHJ $8.00
ONE-HALF DOZEN IN A BOX.

NAIL FILES.



No. 14 —Assorted lengths, 4 to 6 in., flexible, double cut on both sides, medium coarse, polished handles and points, fine grade of steel,
per dozen .....JIE $1.60
ONE DOZEN ON AN EASEL CARD.





No. 1 —Length 3½ in., curved flexible, double cut on both sides, medium fine polished cuticle knife point and polished handle, fine grade of steel, in a leather case,
per dozen .....JIE $1.60
ONE DOZEN IN A BOX.



No. 24—Length 6 in., flexible, double cut on both sides, medium coarse, polished handle, high grade steel,
per dozen .....AAJ $1.80
TWO DOZEN IN A BOX.

NAIL FILES.



No. 26 —Assorted lengths, 2½ to 3½ in., fine stiff steel, single cut on both sides, plain edges, polished cuticle pusher and point,
per dozen .....JHJ $1.30
ONE DOZEN ON AN EASEL CARD.



No. 13½ —Assorted lengths, 3½ to 6 in., flexible, double velvet cut on both sides, polished handles and points, fine grade of steel,
per dozen .....JHJ $1.30
ONE DOZEN ON A CARD.



No. 2050 —Length 3½ in., curved, polished cuticle knife points, polished handles, fine grade of steel, 6 flexible double cut on both sides and 6 stiff double cut on one side and single cut on the other, with grooved edge .....per dozen ABJ $2.00
ONE DOZEN ON A CARD.



Flexible, Double Velvet Cut on Both Sides, Polished Handles and Points, High Grade Steel
No. 13X5 —Length 5 in., per dozen .....JIJ $1.50
No. 13X6 —Length 6 in., per dozen .....AAJ $1.80
ONE DOZEN IN A BOX.

NAIL FILES.



No. 2043 —Assorted lengths, 3½ to 6 in., flexible, double velvet cut on both sides, polished handles and points, extra fine steel,
per dozen .....JIE $1.60



No. 2053 —Length 5 in., flexible, double velvet cut on both sides, high grade steel, length of file 3 in., polished points, assorted handles, 3 each cocobolo, ebonoid, ivoroid and fine pearl .....per dozen CDJ $5.70
ONE DOZEN ON AN EASEL CARD.

MANICURE GOODS.

TWEEZERS.



No. 50—Length 2½ in., square jaws, nickel plated ....per dozen **EJ** $0.80



No. 60—Assorted lengths 2½ to 3½ in., spring steel, nickel plated, assorted patterns, 6 with square jaws and ear spoons, 4 with plain narrow jaws and corrugated sides, 2 with needle point jaws .....per dozen **JHE** $1.40



No. 1006—Assorted lengths 3 to 3½ in., light, plain sharp point jaws, spring steel, nickel plated,
per dozen .....**ADJ** $2.30

TWEEZERS.



No. 1003—Length 2½ in., plain needle point jaws, spring steel, nickel plated .....per dozen **JFJ** $1.00



No. 1007—Length 3¼ in., medium heavy plain needle point jaws, spring steel, nickel plated ..per dozen **ADJ** $2.30



No. 1008—Length 3 in., square jaws, perfectly adjusted, ear spoon with long thin shank, spring steel, nickel plated .....per dozen **ADJ** $2.30

ONE DOZEN IN A BOX.

TWEEZERS.



No. 1012—Length 3⅛ in., narrow, square corrugated jaws, corrugated sides, high grade steel heavy stock forged to a light spring, nickel plated,
per dozen .....**CJE** $5.10



No. 1015—Length 3⅛ in., narrow, round corrugated jaws, corrugated sides, high grade steel, heavy stock, forged to most tensible spring, nickel plated inside and outside,
per dozen .....**CJE** $5.10

ONE DOZEN IN A BOX.

BLACKHEAD REMOVERS.

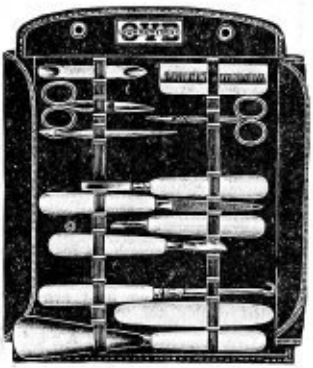


Tolman's, 2⅛ in. long, nickel plated steel .....per dozen **JIE** $1.60

Will instantly remove a blackhead or pimple by pressing gently over it. Does the work effectually without marring the face. It should be on every lady's dressing table and in every man's pocket. It is strictly sanitary.

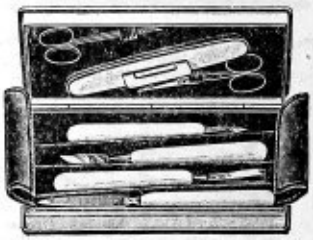
ONE DOZEN ON AN EASEL DISPLAY CARD.

MANICURE SETS.

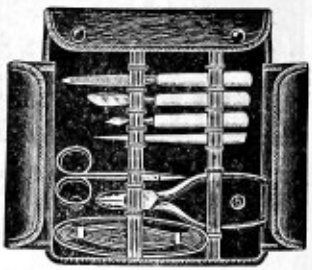


No. PI518—Handsome purple Morocco leather, roll of finest quality, satin lined, size closed 9¼x3½x1½ in., contains finest grade, large Parisian ivory handled cuticle knife, corn knife, flexible nail file, nail buffer, nail brush, tweezers, button hook, shoe horn, nail cleaner and cuticle stick, nickel plated cuticle scissors and nail scissors,
per set .....**JHAJ** $13.50

MANICURE SETS.



No. 906-PI—Celluloid dresser case made of French Ivory stock, lined with velvet and silk, seven-piece set, dimensions 7½x3½x1¼ in., consists of cuticle scissors, nail scissors, Parisian ivory handle cuticle knife, corn knife, tweezer, nail file and nail buffer, per set **JFEJ** $11.70



No. B520 .

Soft Flexible Folding Case, Made of Black Grain Sheep Skin, Lined with Poplin and Satin, Dimensions 6¾x3x1¼ In.

B520—Consists of nail nippers, cuticle scissors, nail scissors, emery boards, nail buffer, white bone handle cuticle knife, corn knife, nail file and emery sticks....per set **BDJ** $4.00

P520—Consists of nail nipper, cuticle scissors, nail scissors, emery boards, nail buffer, fine pearl handle cuticle knife, corn knife, nail file and emery sticks.....per set **BHE** $3.10

MANICURE GOODS.

MANICURE SETS.



Purple Morocco Leather Roll of Finest Quality, Satin Lined, Size Closed 5½x3x1 Inches.

No. B509—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick and nail cleaner, leather back nail buffer, nickel plated cuticle scissors and nail scissors, w't per set 6 oz. .....per set **CIJ** $6.50

No. P509—Contains pearl handle cuticle knife, corn knife and flexible nail file, pearl manicure stick and nail cleaner, leather back nail buffer, nickel plated cuticle scissors and nail scissors, w't per set 6 oz.. per set .....**DEJ** $7.50



No .B500—Artistic flat folding leather case of fine quality, assorted colors, size closed 4¼x1¾x⅜ in., contains white bone handle nail cleaner, nickel plated flexible nail file and cuticle scissors....per set **JHJ** $1.35



No. B501—Artistic flat folding leather case of fine quality, assorted colors, size closed 5½x2x⅜ in., contains white bone handle flexible nail file and cuticle knife, and large nickel plated cuticle scissors, per set .....**ABJ** $2.00

MANICURE SETS.

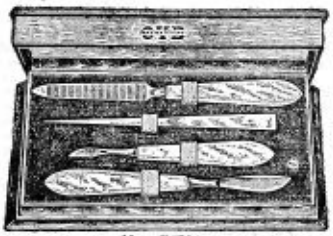


No. B0703.

Dresser Case, Size Closed 6⅝x3x1¼ In., Covered with Gray Moire, Lined with Velvet and Moire, Assorted Colors.

No. B0703—Contains white bone handle cuticle knife and flexible nail file, white bone manicure stick, per set .....**AAE** $1.90

No. P0703—Contains pearl handle cuticle knife and flexible nail file, pearl manicure stick, per set .....**AEJ** $2.50

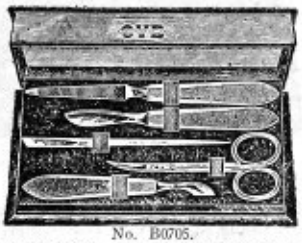


No. B0704.

Dresser Case, Size Closed 6⅛x3½x1⅛ Inches, Covered with Gray Moire, Lined with Velvet and Moire, Assorted Colors.

No. B0704—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick .....per set **AFJ** $2.70

No. P0704—Contains fine pearl handle cuticle knife, corn knife and flexible nail file, pearl manicure stick, per set .....**BBJ** $3.70



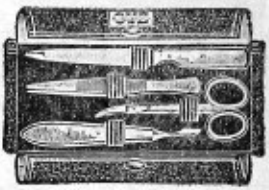
No. B0705.

Dresser Case, Size Closed 6⅜x4x1¼ In., Covered with Gray Moire, Lined with Velvet and Moire, Assorted Colors.

No. B0705—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick, nickel plated cuticle scissors, per set .....**BJE** $3.40

No. P0705—Contains pearl handle cuticle knife, corn knife and flexible nail file, pearl manicure stick, nickel plated cuticle scissors, per set .....**BGJ** $4.50

MANICURE SETS.

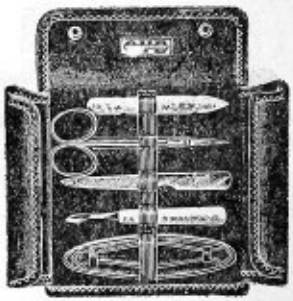


No. B504.

Genuine Black Leather Case, Flexible Folding Style, Size Closed 5½x2¾x⅝ In., Lined with Velvet and Moire, Assorted Colors.

No. B504—Contains white bone handle cuticle knife and flexible nail file, nickel plated cuticle scissors and plain needle point tweezers, per set .....**AHJ** $3.00

No. P504—Contains fine pearl handle cuticle knife and flexible nail file, nickel plated cuticle scissors and plain needle point tweezers, per set .....**BBJ** $3.70



No. B514.

Gray Suede Leather Roll of Fine Quality, Silk Lined, Size Closed 4⅛x2½x¾ Inches.

No. B514—Contains white handle cuticle knife, white bone nail cleaner, nickel plated flexible nail file, large nickel plated cuticle scissors, leather handled nail buffer, per set .....**AGE** $2.90

No. P514—Contains pearl handle cuticle knife, pearl nail cleaner, nickel plated flexible nail file, large nickel plated cuticle scissors and leather handle nail buffer, per set **BJE** $3.40

MANICURE SETS.

Comprising Cases and Contents of the Highest Quality.



No. B516.

Gray Suede Leather Roll of Fine Quality, Lined with Silk, Size Closed 5¾x2x½ Inches.

No. B516—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone nail cleaner and manicure stick, large nickel plated cuticle scissors, per set .....AHE $3.10

No. P516—Contains pearl handle cuticle knife, corn knife and flexible nail file, pearl nail cleaner and manicure stick, large nickel plated cuticle scissors .....per set BDJ $4.00

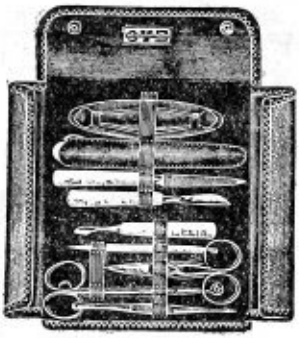


No. B506.

Artistic Flat Folding Leather Case of Fine Quality, Flaps Keratol Lined, Velvet Covered Instrument Board, Size Closed 5¾x4x1½ Inches.

No. B506—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick, large nickel plated cuticle scissors and leather handle nail buffer .....per set BJE $3.40

No. P506—Contains pearl handle cuticle knife, corn knife and flexible nail file, pearl manicure stick, large nickel plated cuticle scissors and leather handle nail buffer, per set .....BGJ $4.50

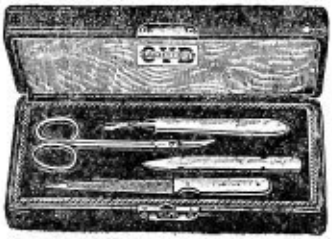


No. B519.

Gray Suede Leather Roll of Fine Quality, Silk Lined, Size Closed 6x3¼x¾ Inches.

No. B519—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick, nickel plated cuticle scissors, nail scissors and blackhead extractor, six emery boards in leather purse and leather handle nail buffer, per set .....BGE $4.60

No. P519—Contains pearl handle cuticle knife, corn knife and flexible nail file, white bone manicure stick, nickel plated cuticle scissors, nail scissors and blackhead extractor, six emery boards in leather purse and leather handle nail buffer, per set .....CDJ $5.70

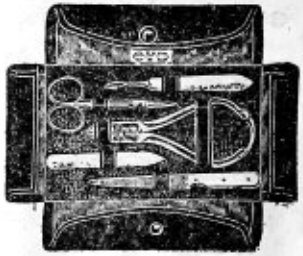


No. B704.

Genuine Black Leather Covered Case, Size Closed 7x3½x1½ Inches, Spring Hinge Top, Lined with Velvet and Moire, Assorted Colors.

No. B704—Contains white bone handle cuticle knife and flexible nail file, white bone cleaner, nickel plated cuticle scissors....per set BDJ $4.00

No. P704—Contains fine pearl handle cuticle knife and flexible nail file, pearl cleaner, nickel plated cuticle scissors .....per set CAJ $5.20



No. B541.

Flat Black Leather Folding Case of Fine Quality, Flaps Lined with Moire, Velvet Covered Instrument Board, Size Closed 6½x4x1½ Inches.

No. B541—Contains white bone handle cuticle knife and flexible nail file, white bone nail cleaner, nickel plated cuticle scissors and nickel plated nail nippers, per set BDJ $4.00

No. P541—Contains pearl handle cuticle knife and flexible nail file, pearl nail cleaner, nickel plated cuticle scissors and nickel plated nail nippers .....per set CJE $5.10

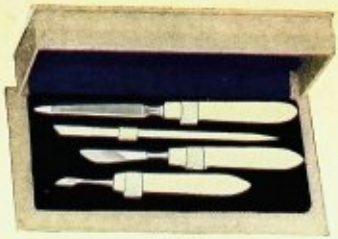


No. B547.

Flat Black Leather Folding of Fine Quality, Flaps Lined with Moire, Velvet Covered Instrument Board, Size Closed 6½x4¼x1½ Inches.

No. B547—Contains white bone handle cuticle knife, corn knife and flexible nail file, white bone manicure stick, four emery boards in leather purse, large nickel plated cuticle scissors and nickel plated nail scissors .....per set CDJ $5.70

No. P547—Contains pearl handle cuticle knife, corn knife and flexible nail file, pearl manicure stick, four emery boards in leather purse, large nickel plated cuticle scissors and nickel plated nail scissors, per set .....DDE $7.40



R 9205



P 519





H H 545



P 205

P I 518

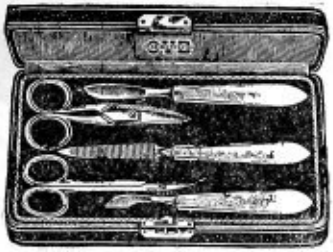


P 811



MANICURE SETS.

Comprising Cases and Contents of the Highest Quality.

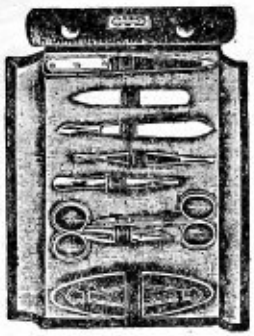


No. B705.

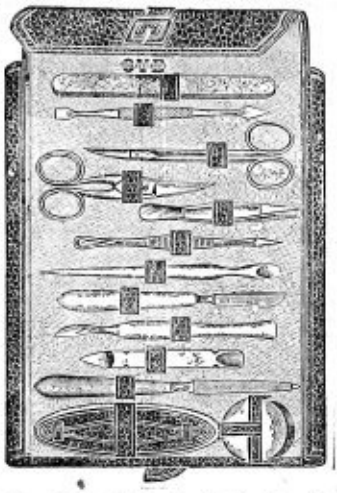
Genuine Black Leather Covered Case, Size Closed 8¼x4½x1½ In., Spring Hinge Top, Lined with Velvet and Moire, Assorted Colors.

No. B705 —Contains white bone handle cuticle knife, corn knife and flexible nail file, nickel plated cuticle and heavy nail scissors,
per set ..... CDJ $5.70

No. P705 —Contains fine pearl handle cuticle knife, corn knife and flexible nail file, nickel plated cuticle and heavy nail scissors,
per set ..... DBE $7.10



No. P508 —Brown buckskin roll of fine quality, lined with velvet, moire flaps, size closed 5¾x2¾x1½ in., contains pearl handle cuticle knife and flexible nail file, pearl nail scissors, cuticle scissors, blackhead extractor and leather covered nail buffer,
per set .....DGE $7.90



No. B517 —Professional Outfit, fine brown buckskin roll, chamois lined with velvet moire flaps, size closed 6¼x3x1¾ in., with strap and buckle, contains white bone handle cuticle knife, corn knife and flexible nail file, all white bone manicure stick, nail cleaner and powder box, leather back and handle nail buffer, nickel plated steel blackhead extractor with needle point cuticle pusher and corrugated needle point tweezers, nickel plated cuticle and nail scissors, 6 emery boards,
per set .....EGE $9.60



No. BH545 —Flat folding leather case, extra fine quality alligator pattern undressed, lined with silk moire, velvet covered instrument board, size closed 6½x4½x¾ in., contains brown Brazilian horn handle, cuticle knife, corn knife, flexible nail file and nail nipper, large nickel plated cuticle scissors .....per set JFHJ $11.30



No. B706 —Genuine black leather covered oval case, size closed 9x4½x1½ in., spring hinge top, lined with velvet and moire, assorted cole knife, corn knife and flexible nail ors, contains white bone handle cutifile, all white bone manicure stick nickel plated cuticle scissors and nail nippers, per set .....DFJ $7.70



No. 706-PI —Dresser case covered with crepe grain cowhide, lined with velvet and silk, six-piece set, dimensions 9⅝x5¼x1½ in., consists of nail nipper, cuticle scissors, Parisian ivory handle nail buffer, cuticle stick, nail file and cuticle knife,
per set .....DGE $7.90



No. 828-PI —Dresser case covered with seal grain India goat, lined with velvet and silk, jewelry compartment under implement block, ten-piece set, dimensions 10¼x6¾x2½ in., consists of cuticle scissors, nail scissors, Parisian ivory handle nail file, tweezer, corn knife, cuticle knife, nail cleaner, nail buffer and two powder boxes ..... per set JHAJ $13.50

MANICURE SETS.

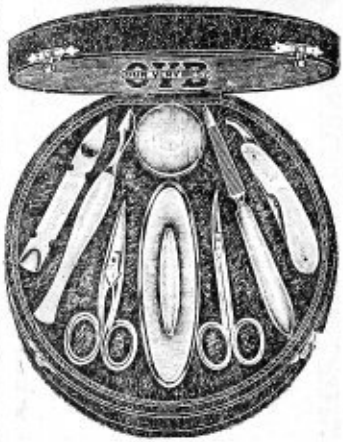
Comprising Cases and Contents of the Highest Quality.



Genuine Black Leather Covered Case, Octagon Shape, Size Closed 8½x8½x 2⅜ Inches, Lined with Velvet and Moire.

No. B811—Contains white bone handle cuticle knife, corn razor, corn pick, flexible nail file and nail buffer, all white bone manicure stick and nail cleaner, two white bone powder boxes, nickel plated cuticle and nail scissors.....per set J F H J $11.30

No. P811—Contains fine pearl handle, cuticle knife, corn razor, corn pick, flexible nail file and buffer, pearl manicure stick and nail cleaner, two pearl cover powder boxes, nickel plated cuticle and nail scissors, per set.....A B J J $30.00



No. B808.

Genuine Black Leather Covered Case, with Nickel Plated Clasps, Diameter 7½ Inches, Height Closed 2¼ Inches, Lined with Velvet and Moire, Assorted Colors.

No. B808—Contains white bone handle cuticle knife, corn razor, flexible nail file and nail buffer, white bone cleaner and powder box, nickel plated cuticle and nail scissors, per set .....E I J $9.80

No. P808—Contains fine pearl handle cuticle knife, corn razor, flexible nail file and nail buffer, pearl cleaner, pearl cover powder box, nickel plated cuticle and nail scissors, per set .....J I E J $15.80



No. BH1809—Genuine leather covered case, highest quality, bell shape, size closed 9x9x2½ in., overlapping edge making case dust proof lined with velvet and moire, contains fine brown Brazil horn cuticle knife, corn knife, corn pick, flexible nail file, nail buffer and nail nippers, brown Brazil horn powder box, nickel plated cuticle and nail scissors, per set .....A J B J $17.00



No. BH1708—Contains genuine leather covered case, fine quality embossed leather, size closed 9½x5½x 1½ in., lined with velvet and moire silk, contains fine brown Brazil horn cuticle knife, corn knife, corn pick and flexible nail file, brown Brazil horn manicure stick and nail cleaner, nickel plated cuticle and nail scissors, per set .....J F H J $11.30

TOILET CLIPPERS.

COATE'S.

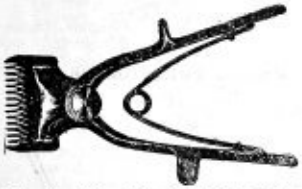


No. 14.

Nickel Plated, Lower Plate 1⅞ Inches Wide, Cuts ⅛ Inch.

No. 11—"Yankee," stamped steel handles.....per pair **EE** $0.90

No. 14—"Khedive," malleable steel handles.....per pair **EE** $0.90



No. 10—"Sport," nickel plated, lower plate 1⅞ in. wide, cuts ⅛ in., per pair .....**JFJ** $1.00



No. 241—Nickel plated, bevel plates, lower plate 1⅞ in. wide, cuts ⅛ in., per pair .....**JIJ** $1.50



No. 141—Ball bearing, nickel plated, lower plate 1⅞ in. wide, cuts ⅛ in., per pair .....**AAJ** $1.80

ONE PAIR IN A BOX.



No. 242—Liberty, beard and neck clipper, nickel plated, lower plate beveled, 1¼ in. wide, cuts 1-32 in., per pair .....**AEJ** $2.50

ONE PAIR IN A BOX.

COATE'S.



Perfected Ball Bearing, Nickel Plated, Patent Pull Spring, Corrugated Bottom Plate, 1⅞ Inches Wide.

No. 151-0—Cuts ⅛ in. per pr. **BJJ** $2.80
No. 151-1—Cuts ⅛ in. per pr. **BJJ** 2.80



No. 191—Perfected ball bearing, nickel plated, fitted with duplex tension plates, 1⅞ in. wide, cuts ⅛ in., per pair .....**BJJ** $3.00



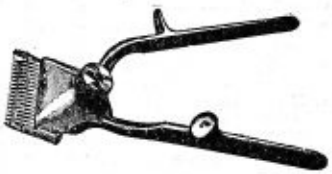
No. 101—Perfected ball bearing, nickel plated, with duplex tension plates, bent lower plate, 1⅞ in. wide, cuts ⅛ in.....per pair **BAJ** $3.50

This bent plate clipper is useful for getting into curves which are inconvenient for a straight plate. With this clipper a perfec taper can be cut on the back of any head.



No. 61—Coates perfected nickel plated, adjustable, lower plate 1¾ in. wide, fitted with removable adjustable comb, by means of which the clipper will cut from ⅛ to ¼ in., per pair .....**CJE** $5.10

PRIEST'S.



No. 15—"Speed," nickel plated, lower plate 1⅞ in. wide, cuts ⅛ in., per pair .....**JGE** $1.25

ONE PAIR IN A BOX.

HANDY HOME TOILET CLIPPERS.



No. 36—Nickel plated, lower plate 1⅛ in. wide, cuts ⅛ of an inch, nickel plated spring steel handles, per dozen .....**DCJ** $7.20

ONE PAIR IN A BOX.

PRIEST'S.



No. 16—Improved Columbian, nickel plated, light weight, grooved plate, 1¼ in. wide, cuts ⅛ in., per pair .....**JIJ** $1.50

ONE PAIR IN A BOX.

CLIPPER SPRINGS.



No. 11—Will fit Nos. 14, 11, 141, 151 and 241.....per dozen **DJ** $0.72
No. 16—Will fit Nos. 15, 16 and 17, per dozen .....**JHJ** $1.30
No. 9—Will fit No. 9, per dozen .....**JHJ** $1.30
Wide-awake for Wide-awake, per dozen .....**JHJ** $1.30
Visible Spiral.
No. 71—Will fit Nos. 71, 271, 12, 201, 117 and 10.....per dozen **AAE** $1.92
No. 64—Will fit No. 64, per dozen .....**AAE** $1.92

CLIPPER COMBS.



No. 2C—Coates, to cut hair ¼ in. long, will fit Coates' clippers Nos. 10, 11, 141, 151, 241 and 251, per dozen .....**BDJ** $4.00
No. 16C—For Nos. 16 Columbian and 17 Express clippers, to cut hair ¼ in. long.....per dozen **BDJ** $4.00

ONE-HALF DOZEN IN A BOX.

Perfection, nickel plated with roller, especially adapted for Brown and Sharp toilet clippers, but will fit Coates' and Priest's toilet clippers, per dozen ..... **JDHJ** $10.50

ONE IN A BOX.

BROWN & SHARPE CLIPPERS.

Entire page AJ⅝

IMPROVED.



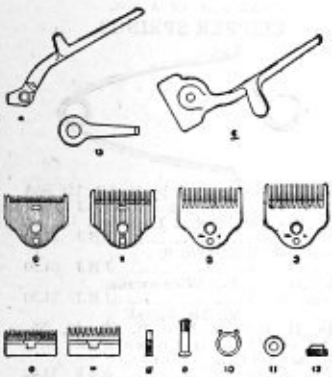
Nickel Plated.

No. 000—1⅛ in. corrugated plate, cuts extra close .....per pair $3.00
No. 00—1⅛ in. corrugated plate, cuts very close .....per pair $3.00
No. 0—1⅛ in. corrugated plate, cuts very close .....per pair $3.00
No. 1—1⅞ in. corrugated plate, cuts ⅜ in. .....per pair $3.00

In ordering above pattern specify "Improved" with the number.

ONE PAIR IN A BOX.

PARTS FOR IMPROVED.



No. 0—Bottom plate for Nos. 0, 00 or 000 clipper .....each $1.25
No. 1—Bottom plate for No. 1 clipper, each $1.25
No. 2—Bottom plate for No. 2 clipper, each★ $1.50
No. 3—Bottom plate for No. 3 clipper, each★ $1.75
No. 4—Lever★ .....each .75
No. 5—Frame★ .....each .75
No. 6—Top plate for Nos. 0, 00 or 000 clipper .....each $0.75
No. 7—Top plate for Nos. 1 and 2 clippers .....each $0.75
No. 8—Spring adjusting screw, each★ ..... .05
No. 9—Bolt★ .....each .10
No. 10—Spring .....each .05
No. 11—Washer★ .....each .04
No. 12—Nut★ .....each .15
No. 13—Screw driver★ .....each .15

BRESSANT.



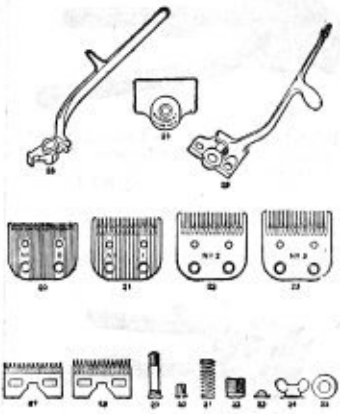
Nickel Plated.

No. B0—1⅞ in. corrugated plate, cuts very close .....per pair $3.00
No. B1—1⅞ in. corrugated plate, cuts ⅜ in. .....per pair $3.00
No. B2—1⅞ in. smooth plate, cuts ⅝ in., per pair $3.50

In ordering above pattern specify "Bressant" with the number.

ONE PAIR IN A BOX.

PARTS FOR BRESSANT.



No. 20—Bottom plate for No. B0 clipper, each $1.25
No. 21—Bottom plate for No. B1 clipper, each $1.25
No. 22—Bottom plate for No. B2 clipper, each★ $1.05
No. 23—Bottom plate for No. B3 clipper, each★ $1.75
No. 24—Cap★ .....each .40
No. 25—Lever★ .....each .75
No. 26—Handle★ .....each .75
No. 27—Top plate for No. B0 clipper, each $0.75
No. 28—Top plate for Nos. B1, B2 and B3 clippers .....each $0.75
No. 29—Bolt★ .....each .10
No. 30—Plate screw★ .....each .05
No. 31—Spring .....each .05
No. 32—Spring screw shell★..each .15
No. 33—Spring cap★ .....each .02
No. 34—Nut★ .....each .20
No. 35—Spring washer★ .....each .04

FIGARO.



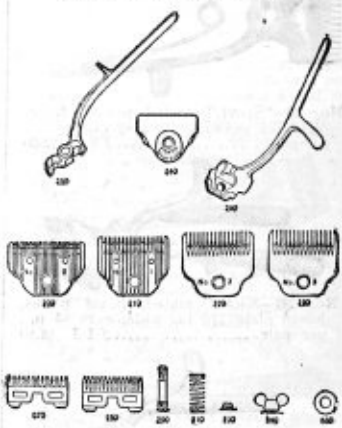
Nickel Plated.

No. F0—1⅞ in. corrugated plate, cuts very close .....per pair $3.00
No. F1—1⅞ in. corrugated plate, cuts ⅜ in. .....per pair $3.00

In ordering above pattern specify "Figaro" with the number.

ONE PAIR IN A BOX.

PARTS FOR FIGARO.



No. 200—Bottom plate for No. F0 clipper, each $1.25
No. 210—Bottom plate for No. F1 clipper, each $1.25
No. 220—Bottom plate for No. F2 clipper, each★ $1.50
No. 230—Bottom plate for No. F3 clipper, each★ $1.75
No. 240—Cap★ .....each .40
No. 250—Lever★ .....each .75
No. 260—Handle★ .....each .75
No. 270—Top plate for No. F0 clipper, each★ $0.75
No. 280—Top plate for Nos. F1, F2 and F3 clippers★ .....each $0.75
No. 290—Bolt★ .....each .10
No. 310—Spring★ .....each .05
No. 320—Spring screw shelf★..each .15
No. 330—Spring cap★ .....each .02
No. 340—Nut★ .....each .20
No. 350—Spring washer★ .....each .04

HORSE CLIPPERS AND SHEARS.

FETLOCK CLIPPERS.



No. A1—Chicago Flexible make, 1⅞ in. bottom plate, cuts ⅜ in., nickel plated, per pair .....**EE** $0.90

ONE PAIR IN A BOX.



No. 71—Coates', for trimming fetlocks and ears, and clipping dogs, 1⅞ in. late, cuts ⅜ in., nickel plated, per pair .....**JIJ** $1.50



No. 171—Coates', ball bearing, 1⅞ in. plate, cuts ⅜ in., nickel plated, per pair .....**ADE** $2.40

MULE SHEARS.



No. 27¾.

Full Length 10 Inches, Steel Laid, Heavy Nickel Plated Blades, Japanned Handles.

No. 27¾ —With serrated edge lower blade* per dozen **AADJ** $19.00
No. 27½ —With plain edge lower blade .....per dozen **AJHJ** $18.00



No. 28 —Length 10 in., steel laid, heavy nickel plated blades, japanned handles.....per dozen **AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.

Nos. 27¾, 27½ and 28 are the best shears made for docking mules' tails.

MULE SHEARS.



No. 110 —High grade crucible steel, full polished swaged blades, tempered and hardened, all one piece, blunt ends, round grips, full length 10 in. .....per dozen **JFBJ** $12.00

No. 99-B —Same as above, only trowel shank, w't per doz. 8¾ lbs., per dozen .....**JGBJ** $12.00



No. 55 —Full polished, curved blades, tempered and hardened, all one piece, full length 9 in., per dozen .....**DEJ** $7.50

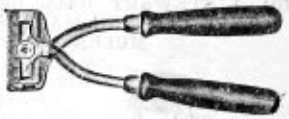


No. 1090—Cruso, half polished curved blades, all one piece, round grips, full length 9 in. ....per dozen **DIJ** $6.50

ONE-HALF DOZEN IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

HORSE CLIPPERS.



Length 10¾ Inches, Enameled Wood Handles.

No. 179—Coates', polished, per pair .....**JHE** $1.40

No. 85—Coates', nickel plated, per pair .....**JIE** $1.60



No. 129—Coates' Newmarket, improved, polished and case hardened, length 10¾ in., enameled wood handles, per pair .....**AAE** $1.90



No. 159—Coates', ball bearing, extra quality, dust proof, nickel plated, length 10¾ in., enameled wood handles .....per pair **AEJ** $2.50

ONE PAIR IN A BOX.

ROACHING SHEARS.



H. S. B. & Co.'s.

No. 9161—Curved blades, polished handles, 7 in. long, per doz. **JIJJ** $15.00

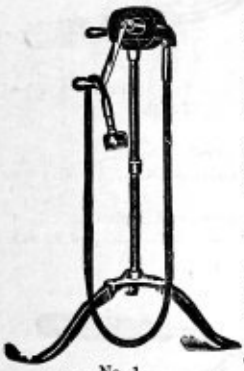
No. 9162—Curved blades, leathered handles, 7 in. long, per doz. **JIFJ** $16.00

ONE-HALF DOZEN IN A BOX.

STEWART CLIPPING MACHINES AND ATTACHMENTS.

Entire Page AJ%.

NO. 1 STEWART BALL BEARING, ENCLOSED TYPE CLIPPING MACHINE FOR HORSES, MULES AND COWS.



No. 1.

The gearing is all enclosed in a dust and dirt proof case and runs in oil constantly.

It has a solid tripod base, a strong upright and its gears are all cut from solid steel made file hard.

A slow turning of the handle is transformed by the ingenious mechanism of the gears to a tremendous speed in the knife.

It turns so easily that it is mere play to run it.

The entire machine is sturdy, compact and perfect in every detail of material and workmanship.

The price puts it within reach of every farmer and horse owner.

No. 1—Ball bearing, complete with 6 ft. of flexible shaft and Stewart clipping knife and handle, shipping w't 36 lbs., each $7.50

No. 18—Combination machine for clipping horses, mules and cows, and shearing sheep and goats, consists of No. 1 Stewart ball bearing clipping machine and Shearing attachment, shipping w't 52 lbs. .....each $15.25

NO. 2 CHICAGO CLIPPING MACHINE FOR HORSES, MULES AND COWS.



Stewart Patent.

A big, strong machine and a special favorite with liverymen, blacksmiths, and all who have much clipping to do. 18 inch large gear, is carefully machined all over, the teeth are cut from solid metal and engage with perfect precision in the teeth of the hardened steel pinion. Wearing parts are all hardened tool steel, shaft revolves with great speed and completely equalizes the motion. Easily turned with either hand. Light running and noiseless, will clip a horse in 30 minutes. Rigid tripod base and strong tubular upright.

No. 2—Equipped with 6½ ft. highest grade flexible shaft and Stewart one nut clipping knife and handle, w't boxed 75 lbs. .....each $10.75

See No. 06 Combination Horse Clipping and Sheep Shearing Machine listed on page 1696B.

CHICAGO VETERINARY POWER FLOATS.



These floats keep the teeth of horses in good condition. Half the food will do more good if the teeth are in good condition to chew it properly. Can be attached very easily to any of our hand power horse clipping machines.

Chicago veterinary power float including one rasp, each $4.25

Extra rasps .....each .50

PACKED IN CARDBOARD BOXES. W'T 2 LBS.

REPAIRS FOR STEWART HAND-POWER HORSE CLIPPING MACHINES ARE LISTED ON PAGE 1696A.

STEWART ELECTRIC HORSE CLIPPING MACHINES.



No. 850.

Each of these machines is equipped with a high grade motor suspended in a truman yoke. The flexible shaft is 7½ ft. long and connected directly with the armature shaft of the motor. Motors are perfectly made and are self-oiling.

To start the machine merely unscrew an ordinary electric lamp globe from the socket and screw in its place the plug already connected to cord on the motor. Anyone can make connections and the machine can be started or stopped by merely turning an ordinary switch the same as for an electric lamp.



Nos. 400 and 600.

When not in use the machine can be hung up out of the way. These machines run without noise and the cost of operating is only about one cent per hour. No mechanical knowledge is required to run them.

No. 400—Direct current, 110 volt electric horse clipper complete with Stewart patent knife and handle .....each $50.00

No. 600—Direct current, 220 volt electric horse clipper complete .....each $50.00

No. 850—Alternating current electric clipper, 104—115 volts, single phase, 60 cycles, complete .....each $75.00

Note—Alternating clippers will not operate on direct current circuits and vice versa.

SHEEP AND GOAT SHEARING ATTACHMENTS.



For Use on Stewart No. 1 or 2 Chicago Horse Clipping Machines.

Attachment consists of complete No. 5 Stewart Shear head, four sets of shearing knives, the solid core, universal jointed shafts and cogs as shown here.

No. 77—Sheep shearing attachment, w't 20 lbs., complete .....each $7.75

Parts and prices thereon for this attachment are the same as for the corresponding parts of the No. 8 shearing machine. See page 1698.

No. 95—Ball bearing, for Nos. 1 and 2 Chicago horse clipping machines or on any hand power Stewart sheep shearing machines, consists of solid core shearing shaft fitted with ball bearings, No. 7 Stewart ball bearing shear and 4 sets of combs and cutters, w't 20 lbs., complete, each $9.50

In ordering ball bearing sheep shearing machine attachments mention number of machine and when it was purchased.

REPAIRS FOR STEWART HORSE CLIPPING MACHINES.

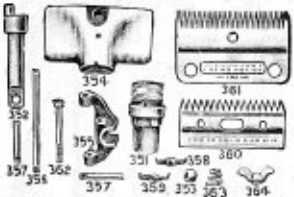
PARTS FOR STEWART LATEST MODEL CUTTING HEAD FOR HORSE CLIPPING MACHINES.

Patented.

As Supplied Since January 1, 1915. Entire Page AJ%.

Caution—Do not file or grind any part of the clipping head in any way. It is exactly right to cut best. The only grinding to be done is to re-sharpen the cutting plates when they get dull, and that must be done right.

Be sure to let parts Nos. 358 and 359 alone. If they should be removed in any way, do not attempt to use the clipper head until they are properly replaced. Remove before grinding and replace after.



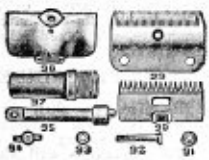


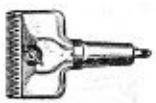
Complete.

No. B1—Handle and Knife, complete	each	$3.50
No. B2—Knife, without Handle	each	2.50
No. B3—Handle only	each	1.00
No. 350—Shaft socket	each	.25
No. 351—Taper sleeve	each	.40
No. 352—Drive pin	each	.35
No. 353—Drive ball	each	.10
No. 354—Brace	each	.50
No. 355—Cross head	each	.50
No. 356—Cross head pin	each	.10
No. 357—Guide pins	each	.05
No. 358—Ball boss	each	.05
No. 359—Socket boss	each	.05
No. 360—Top plate	each	1.00
No. 361—Bottom plate	each	1.50
No. 362—Tension bolt	each	.05
No. 363—Tension spring	each	.05
No. 364—Tension nut	each	.05

STEWART HORSE CLIPPING KNIVES AND PARTS OF SAME.

As Supplied Before January 1, 1915.





Complete.

No. C1—Handle and Knife, complete	each	$3.50
No. C2—Knife without Handle	each	2.50
No. C3—Handle only	each	1.00
No. 90—Top plate	each	1.00
No. 91—Tension spring of handle	each	.05
No. 92—Tension bolt of handle	each	.05
No. 93—Eccentric roll of handle	each	.10
No. 94—Tension nut of handle	each	.05
No. 95—Pin and shaft of handle	each	.35
No. 97—Shank of handle	each	.40
No. 98—Front part of handle	each	.50
No. 99—Bottom plate	each	1.50

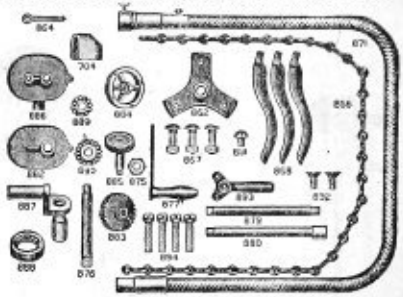
The construction is exceedingly simple, there are no unnecessary parts, simple nut adjustment produces equal tension throughout.

Grinding all kinds of horse clipping knives	per set	.50

ACCESSORIES FOR ALL STEWART HORSE CLIPPING MACHINES.

Flexible shaft complete	per foot	$0.75
Chain for flexible shaft	per foot	.30
Chain links, separate, for flexible shaft	per dozen	.30
Shaft without chain	per foot	.50
Oil, in quart cans	per quart	.50
Oil, in gallon cans	per gallon	1.00
Chain paste, 1 lb. can	each	.25
Chain paste, 3 lb. can	each	.50
Small squirt can, filled with oil	each	.15

PARTS FOR STEWART NO. 1 BALL BEARING ENCLOSED GEAR CLIPPING MACHINES



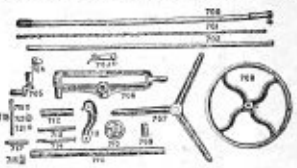
As Supplied Since August 1, 1908.

No. 704—Gear cap	each	$0.50
No. 862—Leg bracket	each	.35
No. 864—Cotter pin	each	.02
No. 866—Chain, 6 ft. long	each	1.80
No. 871—Shaft without chain, 6 ft. long	each	3.00

When shaft is for machine purchased since Jan. 1, 1915, specify it as No. 871-A.

No. 867—Bracket, stud and nut	per set	.15
No. 868—Legs	each	.35
No. 875—Handle nut	each	.05
No. 876—Eye spindle	each	.50
No. 877—Crank handle	each	.50
No. 879—Upper part of upright	each	.40
No. 880—Lower part of upright with coupling	each	.60
No. 882—Gear case cover	each	.75
No. 883—Intermediate gear and pinion	each	2.00
No. 884—Balance wheel and spindle	each	1.00
No. 885—Drive gear and spindle	each	1.50
No. 886—Gear case	each	1.00
No. 887—Gear head	each	1.50
No. 888—Balls and ball cup	per set	.75
No. 889—Small cog	each	.25
No. 890—Large cog	each	.50
No. 891—Gear cap screw	each	.05
No. 892—Grip handle screws	each	.05
No. 893—Grip handle	each	.25
No. 894—Gear case screws	each	.05

PARTS FOR NO. 2 CHICAGO CLIPPING MACHINE.

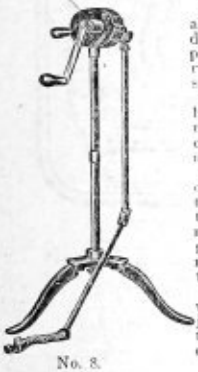


No. 700—Shaft without chain, 6½ ft.	each	$3.25
No. 701—Chain for shaft, 6½ ft.	each	1.95
No. 702—Spiral spring, without cover	each	1.80
No. 703—Top sleeve	each	.50
No. 704—Gear cap	each	.50
No. 705—Gear head	each	1.50
No. 706—Bracket	each	2.00
No. 707—Tripod	each	2.00
No. 708—Drive wheel	each	2.50
No. 709—Bottom sleeve	each	.25
No. 710—Balance wheel	each	1.00
No. 711—Crank	each	.50
No. 712—Wood handle	each	.15
No. 713—Axle	each	.50
No. 714—Handle bolt	each	.25
No. 715—Upright	each	1.00
No. 716—Pinion	each	.50
No. 717—Eye spindle	each	.50
No. 718—Pinion shaft	each	.50
No. 719—Small cog	each	.25
No. 720—Large cog	each	.50
No. 721—Hexagon nut for handle bolt	each	.06

SHEEP SHEARING MACHINES, ETC.

Entire Page AJ%.

STEWART SHEEP AND GOAT SHEARING MACHINES.



No. 8.

The gearing is all enclosed in a dust and dirt proof case, and runs in oil constantly.

Solid tripod base, strong upright, and gears cut from steel made file hard.

A slow turning of the handle is transformed, by the ingenious mechanism of the gears, to a tremendous speed in the knife.

Solid core shaft with universal joints, may be turned in any direction.



No. 9, Ball Bearing.

No. 8—Complete with Stewart No. 5 shear, 4 combs and 4 cutters, w't boxed 45 lbs. .....each $9.75

See No. 18 combination horse clipping and sheep shearing machine described on page 1696.

No. 9—Ball bearing, each joint in the shaft and the shear is fitted with ball bearings, has a larger gear case than the No. 8 machine and a larger balance wheel aids in easy turning, fitted with No. 7 Stewart ball bearing shear, 4 combs and 4 cutters, w't boxed 50 lbs. .....each $11.50



New Model.

18 in. large gear, enclosed in a stationary frame and drives a steel cut pinion to which is attached a solid core jointed shaft having universal joints permitting it to be turned in any direction, small turned balance wheel fitted to the pinion shaft runs at a high speed and steadies the motion of the machine at all times, all parts are interchangeable.



No. 6.

New Model—Complete with No. 5 Stewart shear, 4 combs and 4 cutters, w't boxed 60 lbs. .....each $12.75

No. 6—Set upon rigid tripod standard and strong tubular upright, w't boxed 75 lbs., otherwise same as New Model sheep shearing machine described .....each $13.00

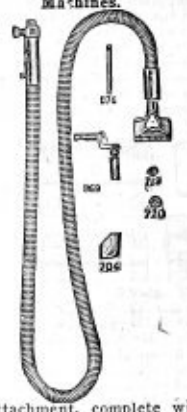
The knives can be resharpened many times and made equal to new by using the automatic grinder shown on this page.

No. 06—Combination machine for clipping horses, mules and cows and shearing sheep and goats, consists of New Model shearing machine mounted on tripod stand, also clipping attachment consisting of 6½ ft. flexible shaft and clipping knife and handle, shipping w't 80 lbs. .....each $18.50

Repairs for hand power sheep and goat shearing machines are listed on page 1698.

CLIPPING ATTACHMENT FOR CLIPPING HORSES, MULES AND COWS.

For Use on Nos. 6, 8, 9 and "New Model" Sheep Shearing Machines.



No. 550—Clipping attachment, complete with 6 ft. of high grade flexible shaft and chain, eye spindle, Stewart horse clipping knife and handle and connecting parts as illustrated, shipping w't 10 lbs. .....each $5.50

THE IMPROVED STEWART NO. 11 GRINDERS.



For use on the No. 1 horse clipping machine and on the Nos. 8 or 9 sheep shearing machines. Constructed of metal throughout, may be attached to the machine in place of the shaft by means of an ingenious mechanism. This attachment makes it possible to put a perfect edge on the knives of No. 1 horse clipper or Nos. 8 or 9 sheep shearer in a few seconds time, obviating the time and expense incurred in sending them away to be sharpened.

No. 11—Grinder attachment complete, w't boxed 8 lbs., each $3.50

AUTOMATIC CLIPPER KNIFE GRINDERS.



Requires no skill or experience as it is automatic and cannot go wrong.

This machine will sharpen a knife in a few minutes to cut as good as new. Saves sending plates to the factory to be ground. Made of metal throughout. Can be run by power by substituting a pulley for the crank handle.

No. 13—For sheep shearing knives .....each $6.00
No. 15—For horse clipper knives .....each 6.00
No. 16—For both horse clipper and sheep shearing knives, each 6.50

W'T BOXED 36 LBS.

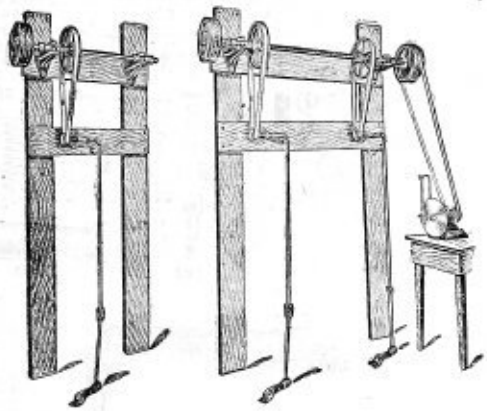
Extra holders for knives for Nos. 5 and 7 shears, per pair $0.50
Extra holders for knives for No. 4 shear .....per pair .50
Extra holders for horse clipping knives .....per pair .50
Emery paste grinder preparation, in 1 lb. package, per package ..... .25

Note—Shearing knives for No. 4 shear cannot be used with holders for Nos. 5 and 7 shears and vice versa.

REPAIRS FOR AUTOMATIC GRINDERS ARE LISTED ON PAGE 1698.

STEWART POWER SHEEP AND GOAT SHEARING MACHINES.

NEW POWER SHEEP AND GOAT SHEARING MACHINES.



Single Power Machine. Double Power Machines with Grinder.

Single Power Sheep and Goat Shearing Machine, complete with No. 5 Stewart shear and 4 sets combs and cutters, w't boxed 130 lbs.★ .....each **BJJJ** $22.50

Double Power Sheep and Goat Shearing Machine, complete with 2 No. 5 Stewart shears and 8 combs and cutters, and Little Wonder Grinder, w't boxed 295 lbs., each★ .....**EHEJ** $65.00

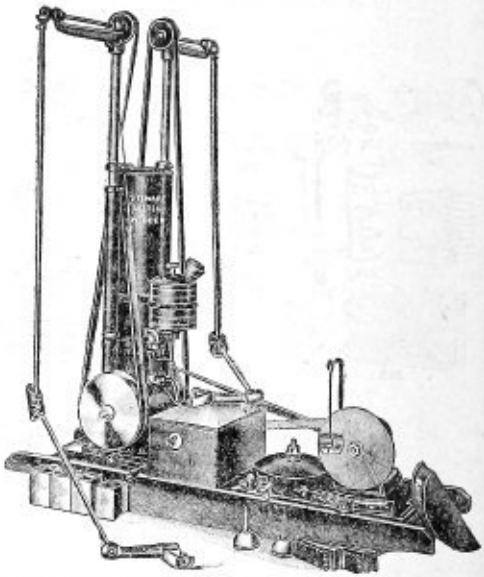
Triple Power Sheep and Goat Shearing Machine, complete with 3 No. 5 Stewart shears, 12 combs and 12 cutters and Little Wonder Grinder, w't boxed 350 lbs., each★ .....**GHGE** $87.50

Little Wonder Power Grinder, complete, w't boxed 102 lbs., each★ .....**AHJJ** $20.00

It is especially designed for owners of from 300 to 3,000 sheep who have their own power. This machine can be run with a small gasoline or other engine, only one-quarter horse power being necessary for each machine. It has a large, strong steel shaft, 1¼ in. in diameter, supported by heavy adjustable brackets, insuring correct lining up of the shaft. It has a unique starting and stopping device for engaging or disengaging the power without stopping the engine, avoiding all losses of time and enabling the operator to remain at the shear constantly. It is equipped with a strong shearing arm of the same type as on our highest grade machine. All wearing parts are of the best grade steel carefully and scientifically hardened and tempered, insuring smooth running and absence of wear.

Complete machines ready to set and belt to power, not including wood frame.

LITTLE WONDER SHEEP AND GOAT SHEARING MACHINES.



Little Wonder, complete with 2 wide pattern shears each fitted with 1 comb and 1 cutter, and Little Wonder Grinder, w't boxed 450 lbs., with batteries—
Without high tension magneto ★ .....each **JIJJJ** $100.00
With high tension magneto★ .....each **JIIJJ** $110.00
Note—The skid is not included.

Extras.

Wide Combs★ .....each **DE** $0.50
Wide Cutters★ .....each **AD** .15

WE RECOMMEND 12 WIDE COMBS AND 24 WIDE CUTTERS.

These machines are portable and can be used anywhere; are a complete plant in themselves and can be set up in doors or out of doors and used at once without erecting either shed or framework.

They are fitted with the very latest wide Stewart shears, the kind carried by all expert shearers. The wide shear has a four-tooth cutter and a thirteen tooth comb. It cuts very close but never maims or cuts a sheep. With each machine there is a complete grinding machine with which combs and cutters may be kept sharp.

The construction, compactness and completeness, together with the results obtained, make the machines a wonderful value for the price and one of the most attractive outfits to the farmer that could be built.

They are a complete power shearing plant at a price within the reach of any owner of 300 to 5,000 sheep.

A sturdy little two horse power gasoline engine of modern type, which can be employed for a score of other useful purposes, such as pumping water, sawing wood, churning, etc., furnishes the motive power of the two shears. All parts of the engine are interchangeable and new parts to fit can be promptly furnished. The raw material used has been tested for quality. Every part of the machinery has been chosen for its efficiency and parts subjected to friction are hardened by a scientific process.

The shears and the jointed shafts are supported by two movable horizontal arms. Two shearers can work together, reaching every part of the sheep with ease. Either shear can be operated alone, when desired, a simple shifting device being provided with which either shear can be thrown out of engagement.

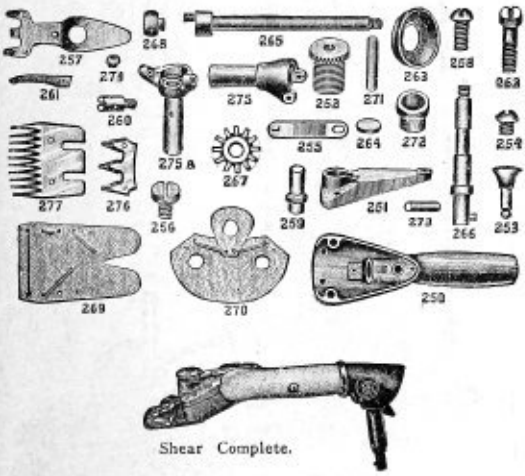
Every machine is covered by an unqualified guarantee.

★*FOR FACTORY SHIPMENTS ONLY, CHICAGO, ILL.*

STEWART SHEARS AND PARTS.

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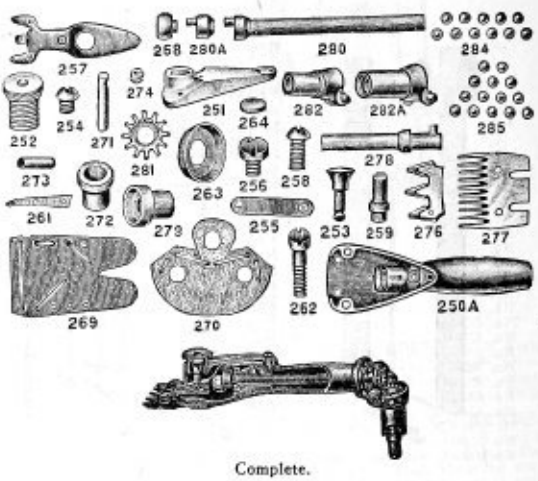
NO. 5 STEWART SHEAR AND PARTS.



Shear Complete.

No. 5—Stewart Shear, complete with one comb and one cutter, w't 3¼ lbs. ..... each $4.50
No. 250—Shell ..... each 1.00
No. 251—Lid ..... each .50
No. 252—Tension Nut ..... each .25
No. 253—Tension Pin ..... each .25
No. 254—Oil hole screw ..... each .05
No. 255—Tension spring ..... each .10
No. 256—Comb screw ..... each .10
No. 257—Fork ..... each 1.50
No. 258—Tension spring screw ..... each .05
No. 259—Fork pin ..... each .05
No. 260—Joint screw ..... each .05
No. 261—Fork tongue ..... each .25
No. 262—Lid screw ..... each .05
No. 263—Ferrule ..... each .05
No. 264—Tension nut disc ..... each .10
No. 265—Main spindle ..... each .50
No. 266—Joint spindle ..... each .25
No. 267—Cog ..... each .40
No. 268—Crank roller ..... each .20
No. 269—Leather handle grip ..... each .25
No. 270—Joint guards, set ..... each .25
No. 271—Tongue pin ..... each .02
No. 272—Shell cup ..... each .10
No. 273—Joint spindle pin ..... each .02
No. 274—Fulcrum ball ..... each .10
No. 275—Upper joint yoke ..... each .50
No. 275A—Lower joint yoke ..... each .50
No. 276—Cutter ..... each .15
No. 277—Comb ..... each .50
Sharpening all kinds of sheep shearing knives, per pair .10

NO. 7 STEWART BALL BEARING SHEARS AND PARTS.



Complete.

No. 7—Complete with 1 set comb and cutter, w't 3¼ lbs. each $6.00

This is the shear supplied with all No. 9 ball bearing shearing machines.

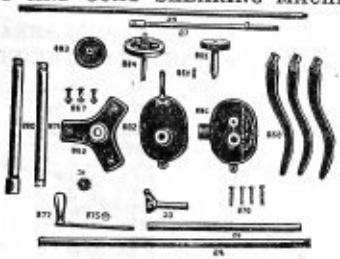
Will fit on any Stewart hand power sheep shearing machine no matter when purchased. All that is necessary is to mention THE YEAR IN WHICH THE MACHINE WAS BOUGHT. With this new shear there can be no question about the ease with which the work of sheep shearing is done.

Parts for No. 7 Ball Bearing Shear.

No. 250A—Frame ..... each $1.00
No. 251—Lid ..... each .50
No. 252—Tension nut ..... each .25
No. 253—Tension pin ..... each .25
No. 254—Oil hole screws ..... each .05
No. 255—Tension spring ..... each .10
No. 256—Comb screws ..... each .10
No. 257—Fork ..... each 1.50
No. 258—Tension spring screw ..... each .05
No. 259—Fork pin ..... each .05
No. 261—Fork tongue ..... each .25
No. 262—Lid screws ..... each .05
No. 263—Ferrule ..... each .05
No. 264—Tension nut disc ..... each .10
No. 268—Crank roller ..... each .20
No. 269—Leather handle grip ..... each .25
No. 270—Joint guards, set ..... each .25
No. 271—Tongue pin ..... each .02
No. 272—Shell cup ..... each .15
No. 273—Joint spindle pin ..... each .02
No. 274—Fulcrum ball ..... each .10
No. 276—Cutter ..... each .15
No. 277—Comb ..... each .50
No. 278—Joint spindle ..... each .25
No. 279—Main spindle ball race ..... each .25
No. 280—Main spindle ..... each .50
No. 280A—Crank head ..... each .25
No. 281—Cogs without threads ..... each .40
No. 282—Upper joint yoke ..... each 1.00
No. 282A—Lower joint yoke ..... each 1.00
No. 284—Ball bearings for main spindle ..... each .10
No. 285—Ball bearings for gears ..... each .15

PARTS FOR SHEARING MACHINES AND GRINDERS.

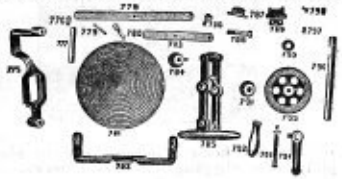
PARTS FOR NO. 8 STEWART ENCLOSED GEAR SHEEP AND GOAT SHEARING MACHINES.



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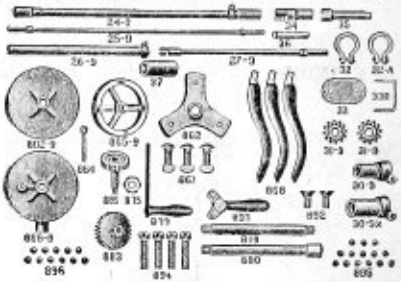
No.	24	—Long tube	each $1.50
No.	25	—Long spindle, complete	each 2.00
No.	26	—Short tube	each .50
No.	27	—Short spindle	each .75
No.	30	—Joint yoke, ⅜ in. shank	each .75
No.	30	—Joint yokes, ½ in. shank	each .75
No.	31	—Cogs	each .40
No.	862	—Leg bracket	each .35
No.	864	—Cotter pin	each .02
No.	867	—Bracket stud and nut	each .05
No.	868	—Legs	each .35
No.	875	—Handle nut	each .05
No.	877	—Crank handle	each .50
No.	879	—Upper part of upright	each .40
No.	880	—Lower part of upright with coupling	each .60
No.	882	—Gear case cover	each .75
No.	883	—Intermediate gear and pinion	each 2.00
No.	884	—Balance wheel and spindle	each 1.00
No.	885	—Drive gear and spindle	each 1.50
No.	886	—Gear case	each 1.00
No.	894	—Gear case screws	each .05
		Grip handle	each .25
		Grip handle screws	each .05
		Tube clamp	each .25
		Tube clamp screw	each .02
		End of long spindle	each .25
		End of short spindle	each .25
		Bayonet ferrule for No. 27 spindle	each .25

PARTS FOR STEWART AUTOMATIC GRINDER.



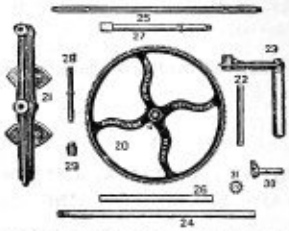
No.	775	—Sliding bar ejector	each $0.50
No.	776	—Revolving roll	each .25
No.	777	—Disc spindle	each .50
No.	778	—Sliding bar	each .75
No.	779	—Revolving roll pin	each .10
No.	780	—Ejector plug	each .25
No.	781	—Steel disc	each 2.50
No.	782	—Sliding bar holder	each .75
No.	783	—Holder bar	each .10
No.	784	—Eccentric cam	each .50
No.	785	—Frame	each 2.00
No.	786	—Thumb screw	each .05
No.	787	—Horse top plate holder	each .25
No.	788	—Ejector bolt	each .25
No.	789	—Horse bottom plate holder	each .25
No.	791	—Pinion	each .50
No.	792	—Wood handle	each .10
No.	793	—Handle bolt and nut	each .15
No.	794	—Crank	each .25
No.	795	—Gear	each 1.00
No.	796	—Axle	each .50
No.	797	—Bolt and nut for sliding bar	each .10
No.	798	—Center pin	each .10
No.	5	—Sheep comb and cutter holder	each .25
No.	4	—Sheep comb holder	each .25
No.	4	—Sheep cutter holder	each .25
		Horse or sheep knife holders, complete	each .50

PARTS FOR No. 9 SHEARING MACHINE.



No.	24-9	—Long tube	each $1.50
No.	25-9	—Long spindle, complete	each 2.00
No.	26-9	—Short tube	each .50
No.	27-9	—Short spindle	each .75
No.	30-9	—Yoke	each 1.00
No.	30-9X	—Yoke	each 1.00
No.	31-9	—Cog threaded	each .40
No.	31-9	—Cog not threaded	each .40
No.	32	—Upper tube clamp	each .25
No.	32-A	—Lower tube clamp	each .25
No.	33	—Leather guard	each .15
No.	33-B	—Hook for leather guard	each .02
No.	34	—Bayonet ferrule	each .25
No.	35	—End of long or short spindle	each .25
No.	36	—End of short spindle pin	each .02
No.	37	—Back bushing	each .10
No.	862	—Leg bracket	each .35
No.	864	—Cotter pin	each .02
No.	865-9	—Balance wheel and spindle	each 1.00
No.	867	—Bracket stud and nut	each .05
No.	868	—Legs	each .35
No.	875	—Hexagon nut for crank	each .05
No.	877	—Crank handle	each .50
No.	879	—Top portion of upright	each .40
No.	880	—Bottom portion of upright with coupling	each .60
No.	882-9	—Gear case cover	each .75
No.	883	—Intermediate gear and pinion	each 2.00
No.	885	—Drive gear and spindle	each 1.50
No.	886-9	—Gear case	each 1.00
No.	892	—Grip handle screws	each .05
No.	893	—Grip handle	each .25
No.	894	—Gear case screws	each .05
No.	895	—Set of ball bearings for gears	each .15
No.	896	—Set of ball bearings for spindles	each .10

PARTS FOR STEWART NEW MODEL SHEEP AND GOAT SHEARING MACHINES.



No.	20	—Large gear	each $2.50
No.	21	—Frame	each 2.00
No.	22	—Main spindle	each 1.00
No.	23	—Crank complete	each 1.00
No.	24	—Long tube	each 1.50
No.	25	—Long spindle complete	each 2.00
No.	26	—Short tube	each .50
No.	27	—Short spindle	each .75
No.	28	—Pinion shaft	each .50
No.	29	—Pinion	each .50
No.	30	—Joint yoke, ⅜ in. shank	each .75
No.	30	—Joint yokes, ½ in. shank	each .75
No.	31	—Cogs	each .40
		Balance wheel	each 1.00
		Tube clamp	each .25
		Tube clamp screw	each .02
		End of long spindle	each .25
		End of short spindle	each .25
		Bayonet ferrule for No. 27 spindle	each .25

STEWART GRINDING AND DRILLING MACHINES, AUTOMATIC GRINDERS, ETC.

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GRINDING AND DRILLING MACHINES.



Ball Bearing Throughout.

Intended primarily for grinding discs on harrows, etc., without removing the discs from the implement. Complete it weighs only 45 lbs., so can be taken into the field anywhere.

The universal jointed shaft makes it easy to manipulate.

In winter time it is admirable for sharpening toe calks without removing the shoe from the horse's foot.

Grinding disc can be quickly removed and the attachment which takes any standard square shank drill substituted for drilling or boring.

Stewart Grinding and Drilling Machine, complete, each $11.50

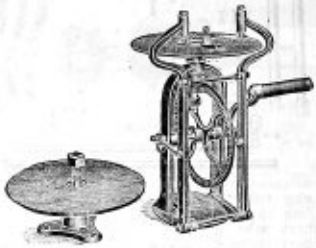
GRINDING AND DRILLING ATTACHMENT FOR STEWART SHEEP SHEARING MACHINES.



This attachment when put on any Stewart sheep shearing machine permits the machine to be used as the Stewart Grinding and Drilling Machine shown above.

Grinding and Drilling Attachment for Stewart Sheep Shearing Machine, complete, including device to take drills, each $5.50

THE NEW No. 2 AUTOMATIC GRINDER.



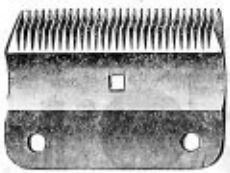
The best hand operated sharpening device made for horse clipping or sheep shearing machine plates.

Grinding disc is covered with emery cloth on the same principle as the large power grinding machines used in large shearing plants. This emery cloth surface can be renewed any time at very little expense. Grinder is practically everlasting. It is the most practical grinder for dealers or others who have considerable grinding to do and who do not wish to purchase a power grinder.

In ordering give our names and numbers of plates to be sharpened so proper clamp rods will be supplied. No cams to change on this grinder. Each grinder shipped complete with emery cloth, liquid cement, clamp block and clamp rod. Diameter of disc 14½ in., height of grinder over all 2 ft., w'e boxed for shipment 110 lbs.

No. 2—Automatic grinder, complete as described, each $10.00

TOPPING PLATE No. 99A.



Used on Stewart horse clipping head in place of usual bottom plate. For clipping legs and fetlocks.

Has teeth about ¼ in. thick which leaves the hair about ½ in. long.

Of extra good quality and finish.

No. 99-A—Topping plate .....each $1.75

WRIST JOINT.



May be used on any Stewart horse clipping machine. Has great flexibility and permits of faster work than with regular shaft and head attachment, turns in any direction.

Wrist Joint, not including the clipper head .....each $2.50

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO.'S WARRANTED.



No. 1674 —½ in. blade, square point, Hamburg hollow ground, oval rubber handle, double file tang, per dozen .....ADDJ $24.00

No. 1675 —⅝ in. blade, square point, Hamburg hollow ground, oval rubber handle, file tang, per dozen .....ADDJ $24.00



Square Point, Full Hollow Hamburg Ground, Crocus Polished, Flat Rubber Handle, Double File Tang.

No. 383 —⅜ in. blade, per dozen .....AGDJ $29.00

No. 384 —½ in. blade, per dozen .....AGGJ 29.50

No. 385 —⅝ in. blade, per dozen .....AHJJ 30.00

No. 386 —¾ in. blade, per dozen .....AHCJ 30.50



No. 1654 —⅝ in. blade, square point, Hamburg full hollow ground, file tang, oval rubber shaped handle, per dozen .....AHJJ $30.00

No. 1655 —⅝ in. blade, square point, Hamburg full hollow ground, file tang, oval rubber shaped handle, per dozen .....AHJJ $30.00



No. 525 —⅝ in. blade, square point, Hamburg hollow ground, oval rubber handle, per doz. AHJJ $30.00

ONE-HALF DOZEN IN A BOX.



No. 415.

. ⅝ Inch Blade, Full Hollow Hamburg Ground, Crocus Polished, Double File Tang, Fancy Ivoride Handle.

No. 415 —Round point, per dozen .....BJDJ $34.00

No. 425 —Square point, per dozen .....BJDJ 34.00



No. 1665 —⅝ in. blade, square point, fine Hamburg full hollow ground, crocus polished, fancy back, double file tang, flat rubber handle, per dozen .....BAFJ $36.00



No. 535 —⅝ in. blade, hollow point, full hollow Hamburg ground, crocus polished, ivory tang, ivoride handle.....per dozen BHHJ $48.00



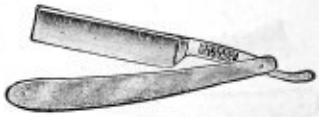
No. 3015.

⅝ Inch Blade, Extra Hollow Hamburg Ground, Oval Rubber Handle, File Tang.

No. 3015—Square point, per dozen .....JIFJ $16.00

No. 3025 —Round point, per dozen .....JIFJ 16.00

ONE-HALF DOZEN IN A BOX.



No. 3045 —⅝ in. blade, square point, extra hollow Hamburg ground with file tang, flat amber celluloid handle, w't per doz. 1¾ lbs., per dozen .....JIFJ $16.00



No. 3035 —⅝ in. blade, square point, extra hollow Hamburg ground, beautifully finished, mottled brown celluloid handle, w't per doz. 1¾ lbs., per dozen .....AHJJ $30.00



No. 595—Mohawk, ⅝ in. blade, round point, Hamburg hollow ground, etched in gold, oval rubber handle, file tang.....per dozen AJHJ $18.00



No. 1835—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved ivory, double file, tang, fancy carved rubber handle, per dozen .....BCDJ $39.00



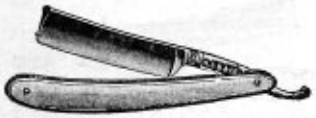
No. 1634—Antiseptic, ½ in. blade, square point, Hamburg hollow ground, flat rubber handle, double file tang, per dozen .....ABJJ $20.00

No. 1635—Antiseptic, ⅝ in. blade, square point, Hamburg hollow ground, flat rubber handle..per doz. ABJJ $20.00

ONE-HALF DOZEN IN A BOX.

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO.'S WARRANTED.



No. 1815-S—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved pearl tang, white ivoride handle, per doz. **BBHJ** $18.00

No. 1815-R—⅝ in. blade, round point, otherwise same as No. 1815-S, per dozen .....**BBHJ** $18.00



No. 505—Solid Comfort, ⅝ in. blade, full hollow Hamburg ground, crocus polished, etched in gold, file tang, rubber handle..per doz. **ACHJ** $23.00



No. 25—Luxury, ⅝ in. blade, hollow point, extra hollow Hamburg ground, file tang, flat ivoride handle, per dozen .....**ADDJ** $24.00



No. 575—Mohican, ⅝ in. blade, square point, extra hollow Hamburg ground, crocus polished, double file tang, fancy ivoride handle, per dozen .....**ADDJ** $24.00



No. 585—Mohican, ⅝ in. blade, round point, extra hollow Hamburg ground, crocus polished, double file tang, fancy ivoride handle, per dozen .....**ADDJ** $24.00



No. 1825—⅝ in. blade, square point, Hamburg full hollow ground, crocus polished, improved pearl tang, flat rubber handle, per doz. **BAFJ** $36.00

ONE-HALF DOZEN IN A BOX.



No. 965—America, ⅝ in. blade, square point, extra hollow Hamburg ground, double file tang, etched in gold, oval rubber handle, per doz. **ADDJ** $24.00



No. 1145—Barber's Al, ⅝ in. blade, square point, extra hollow Hamburg ground, flat rubber handle, per dozen .....**ADDJ** $24.00



No. 1155—H. S. B. & Co., ⅝ in. blade, square point, extra hollow Hamburg ground, crocus polished, file tang, malachite handle German silver lined, per dozen .....**ADDJ** $24.00



No. 1165—H. S. B. & Co., ⅝ in. blade, hollow point, extra hollow Hamburg ground, crocus polished, etched, file tang, fancy ivoride handle, per dozen .....**ADDJ** $24.00



No. 1325—Hindoo, ⅝ in. blade, square point, extra hollow Hamburg ground, file tang, fancy celluloid handle, per dozen .....**ADDJ** $24.00



No. 1335—U. S. A., ⅝ in. blade, square point, full hollow Hamburg ground, crocus polished, double file tang, oval mock shell handle, per dozen .....**ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.



No. 1624—Yankee, ½ in. blade, square point, Hamburg hollow ground, double file tang, oval rubber handle, per dozen .....**ADDJ** $24.00



No. 1645—Antiseptic, ⅝ in. blade, square point, Hamburg hollow ground, oval rubber handle with German silver tops.....per dozen **ADDJ** $24.00



No. 1845—Blue Steel, ⅝ in. blade, square point, Hamburg hollow ground, crocus polished, flat rubber handle, double file tang, per dozen **ADDJ** $24.00



"OUR DAISY," Full Hollow Hamburg Ground, Etched in Gold, Double File Tang, Oval Rubber Shaped Handle.

No. 444-R—½ in. blade, round point, per dozen .....**AHJJ** $30.00

No. 445-R—⅝ in. blade, round point, per dozen .....**AHJJ** $30.00

No. 445-S—⅝ in. blade, square point, per dozen .....**AHJJ** $30.00



"OUR MASCOTTE," Square Point, Full Hollow Hamburg Ground, File Tang, Oval Rubber Handle.

No. 794—½ in. blade, per dozen .....**AHJJ** $30.00

No. 795—⅝ in. blade, per dozen .....**AHJJ** 30.00

ONE-HALF DOZEN IN A BOX.

RAZORS.

H. S. B. & CO.'S WARRANTED.



No. 805.

HIBBARD, ⅝ Inch Blade, Full Hollow Hamburg Ground, File Tang, Oval Rubber Handle.

No. 805—Square point, per dozen .....AHJJ $30.00
No. 815—Round point, per dozen .....AHJJ $30.00



No. 455—Golden Rod, ⅝ in. blade, hollow point, full hollow Hamburg ground, etched in gold, fancy rubber handle, long file tang, per dozen .....AIHJ $33.00



No. 555-S—Mayflower, ⅝ in. square point blade, fancy back, full hollow Hamburg ground, crocus polished, etched in gold, double file tang, ivoride handle, with metal decoration, per dozen .....BJDJ $34.00



No. 915—⅝ in. blade, hollow point, full hollow ground, crocus polished, etched in gold, oval rubber handle, ivory tang.....per dozen BAFJ $36.00

WADE AND BUTCHER'S.



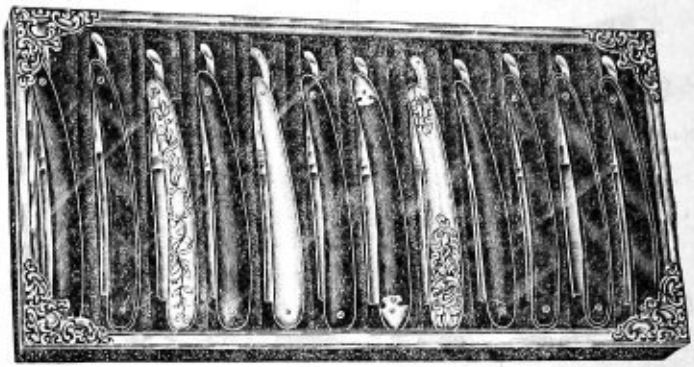
No. 3850—⅝ in. heavy blade, etched, hollow ground, hollow point, rubber handle.....per dozen JGHJ $13.00



No. 2044—"Special" ⅝ in. blade, full crocus polished, full hollow ground, round point, double file tang, ivory celluloid handle, blue printing, per dozen .....BEBJ $42.00

ONE-HALF DOZEN IN A BOX.

RAZOR ASSORTMENTS.



No. 1915-C—Consists of twelve razors in the well known [illegible] and and H. S. B. brands, assorted 4-8 and 5-8 in. blades, plain and fancy handles, put up in a handsome 7x14 in. green plush lined counter display case with glass front, wt per asst. 4 lbs., per assortment .....ABJJ $25.00

No. 1915-R—Consists of twelve razors of the well-known [illegible] and H. S. B. brands, assorted 4-8 and 5-8 in. blades, plain and fancy handles, put up in a leatherette green plush lined razor roll, wt per asst. 2 lbs., per assortment .....ABJJ $25.00

ONE ASSORTMENT IN A LIGHT WOODEN BOX.

ROXO RAZORS.



Made in Sheffield, England.

No. 40—⅝ in. blade, square point, hollow ground, flat rubber handle, per dozen .....AHJJ $30.00

No. 50—⅝ in. blade, square point, hollow ground, flat rubber handle, per dozen .....AHJJ $30.00

No. 050—⅝ in. blade, round point, hollow ground, flat rubber handle, per dozen .....AHJJ $30.00

The Roxo is a first-class special barber's razor and is well and favorably known to the trade. We are sole U. S. and Canadian agents for the above goods. Special prices in gross lots.

ONE-HALF DOZEN IN A BOX.

GEO. WOSTENHOLM & SON'S IXL.



No. 126—"Pipe" ½ in. blade, square point medium hollow ground, oval rubber handle, per doz. JGBJ $12.00



No. 127—⅝ in. blade, full hollow ground, oval rubber handle, per dozen .....ACHJ $23.00



No. 129—"Pipe" ⅝ in. blade, square point, hollow ground, etched in gold, oval rubber handle, per dozen .....ACHJ $23.00

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS RAZORS, RAZOR HANDLES AND STROPPERS.

WM. ELLIOT & CO.'S RAZORS.



No. 19—⅝ in. blade, hollow ground, square point, made from very best quality English steel, fancy rubber handle.....per dozen **AJHJ** $18.00



No. 21—½ in. blade, hollow ground, made from very best quality English steel, ivoride handle, per dozen .....**JHDJ** $14.00

No. 21—⅝ in. blade, otherwise same as No. 21.....per dozen **JHDJ** $14.00



No. 63—⅝ in. blade, hollow ground, square point, English steel, rubber handle, inlaid with pearl and silver, per dozen .....**AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.

MISCELLANEOUS RAZORS.



No. 588—"The Boss," ⅝ in. blade, square point, high grade Swedish steel, extra hollow German ground, file tang, oval rubber handle, per dozen .....**DHJ** $8.00

ONE-HALF DOZEN IN A BOX.

AUTOMATIC STROPPERS.



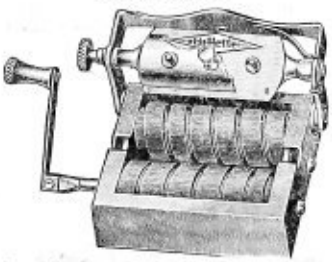
Sharpens All Razors, Safety or Ordinary.

No. 62—Kanner's Slyde—Stroke, highly nickel plated, equipped with the finest grain leather which is guaranteed to stay soft and pliable in any climate, packed complete with holders for all Safety Razor Blades, fully warranted, per dozen .....**BAFJ** $36.00

The blade moves up and down as the leather is drawn back and forth across the edge. A double action with one operation, giving a perfect heel to toe stroke. The result is the sharpest, keenest and smoothest cutting edge possible.

It is the only stropping machine on the market that sharpens a razor or safety blade with the true diagonal edge.

ONE IN A BOX.



For Gillette Safety Razor Blades Only. Sharpens Two Edges at One Time.

No. 63—Royal, highly nickel plated, equipped with two hard wood rollers that are seasoned so that they cannot warp, covered with 14 inches of the finest grain strip leather wound on the rollers in spiral form so that when in operation it produces the heel to toe diagonal stroke, fully warranted, per dozen .....**AJJJ** $16.40

It is constructed so that it will last a lifetime. There are no parts that can possibly get out of order. It is so simple that anyone can use it without any previous experience. The crank roller can be removed when not in use.

ONE IN A BOX.



No. 61 Sterling, length of strop 19 in., width 2⅝ in., two extra blade holders, metal parts nickel plated, per dozen .....**JIFJ** $ 16.00

Will strop any style regular razor, or any make of safety razor blades, will sharpen Gillette *and* Ever Ready *Razor Blades nicely.* ONE-HALF DOZEN IN A CARTON.

NEW IMPROVED ZIG-ZAG STROPPER.



No. 080—**New Improved Zig-Zag,** all metal frame, black enameled hard wood handle, non-slipping grip with patented device which absolutely prevents cutting of razor strop, 14 in. black zig-zag razor strop of highest quality specially treated leather, complete with auxiliary blade holders for holding Gillette, Ever Ready, Gem, Ever Ready and other safety razor blades, per dozen .....**JIFJ** $16.00

ONE-HALF DOZEN IN A CARTON.

Gem HAND STROPPERS.



For Stropping Gem and Ever Ready Safety Razor Blades.

No. 150 Gem—Length 6 in., metal tubing, heavily silver plated, fitted with an ingenious spring device which securely holds the blades while stropping.....per dozen **AHJ** $3.00

This stropper is so designed as to produce a fine razor edge by a few simple strokes on the strop. The best 25 cent retailer on the market.

ONE DOZEN IN A DISPLAY BOX.

RAZOR HANDLES.



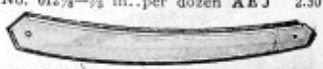
Oval Rubber, Complete with German Silver Rivets and Washers.

No. 12½—½	in....per dozen	**ABJ**	$2.00
No. 12⅝—⅝	in....per dozen	**ABJ**	2.00
No. 12¾—¾	in....per dozen	**ABJ**	2.00
No. 12⅞—⅞	in....per dozen	**ABJ**	2.00



Flat Rubber, Complete with German Silver Rivets and Washers.

No. 012½—½	in..per dozen	**AEJ**	$2.50
No. 012⅝—⅝	in..per dozen	**AEJ**	2.50
No. 012¾—¾	in..per dozen	**AEJ**	2.50
No. 012⅞—⅞	in..per dozen	**AEJ**	2.50



Flat White Ivory Celluloid, Complete with German Silver Rivets and Washers.

No. 200½—½	in..per dozen	**BAJ**	$3.50
No. 200⅝—⅝	in..per dozen	**BAJ**	3.50
No. 200¾—¾	in..per dozen	**BAJ**	3.50

ONE DOZEN IN A BOX.

GILLETTE SAFETY RAZORS AND BLADES.



Standard Razor Set, Triple Silver Plated Razor, Twelve Blades, Velvet Lined Case.

No. 460—Morocco grain case, per dozen sets .....EDJJ $60.00

No. 460-B—Nickel plated case, per dozen sets .....EDJJ $60.00



Pocket Edition.

Triple Silver Plated Razor and Case, Velvet Lined, 12 Blades.

No. 500—Plain pattern, per dozen sets .....EDJJ $60.00

No. 501—Basket pattern, per dozen sets .....EDJJ 60.00

No. 502—Shell pattern, per dozen sets .....EDJJ 60.00

No. 503—Flower pattern, per dozen sets .....EDJJ 60.00

No. 504—Empire pattern, per dozen sets .....EDJJ 60.00

ONE IN A BOX.



The "Bull Dog" Gillette Razor.

Bull Dog—Oval case of gray antique leather, velvet lined, stocky, bull dog handle, triple silver plated, 12 double-edged Gillette blades, 24 shaving edges, blade boxes to match case, per dozen sets .....EDJJ $60.00



No. 461—Combination set consisting of triple silver plated razor, 12 blades in a metal box, telescope pattern badger hair shaving brush, stick Gillette shaving soap in triple silver plated holder, velvet lined morocco grain leather covered case, per dozen sets .....FDHJ $72.00

ONE IN A BOX.



No. 00—Standard combination set consisting of triple silver plated razor, badger hair shaving brush in triple silver plated holder, stick Gillette shaving soap in triple silver plated holder, two metal blade boxes, and 12 blades, seal grain leather case, per dozen sets .....GJBJ $78.00



The "Aristocrat" Gillette Razor.

Aristocrat—Square French ivory velvet lined case, triple silver plated razor, 12 double-edged Gillette blades, 24 shaving edges, blade boxes French ivory to match the case, per dozen sets .....EDJJ $60.00

ONE IN A BOX.

GILLETTE BLADES.

No. 12—1 doz. blades, 24 cutting edges, in a nickel plated box, per dozen packages .....JIIJ $12.00

FIVE-SIXTH DOZEN PACKAGES IN A CARTON.

No. 6—½ doz. blades, 12 cutting edges, in a paper box, per dozen packages .....DIE $6.00

ONE AND TWO-THIRDS DOZEN PACKAGES IN A CARTON.

SAFETY RAZORS AND ACCESSORIES.

AUTOSTROP—STANDARD OUTFIT.



Size 1⅛x4½ Inches.

No. 600—Black leather case, satin lined, silver plated self-stropping razor, 12 blades, shell horsehide strop, per dozen sets .....EDJJ $60.00

AUTOSTROP SAFETY RAZOR BLADES.

Guaranteed.

No. 610—12 blades in a package, per dozen packages .....AJHJ $12.00

No. 610½—6 blades in a package, per dozen packages .....EDJ $6.00

ONE DOZEN PACKAGES IN A BOX.

AUTOSTROP RAZOR STROPS.

No. 620—First quality horsehide, 12x 1¾ in.....per dozen EDJ $6.00

No. 621—Extra quality "De Luxe" Strop, 18x1¾ in. long, per dozen .....AJHJ $12.00

ONE IN A BOX; ONE DOZEN IN A CARTON.

DURHAM DEMONSTRATOR SAFETY RAZOR.



Black Fibre Handle, Nickel Plated Shank, Removable Safety Guard.

No. 554—With one double edge blade, wt per doz. 2¼ lbs., per dozen .....CFJ $6.00

No. 555—**Demonstrator combination** with six double edge blades, w't per doz. 3 lbs. .....per dozen JFEJ $10.80

DURHAM STROPPING ATTACHMENTS.

No. 81—Length 2½ in., nickel plated, will fit all Durham safety razors, per dozen .....FEJ $7.20

ONE IN A BOX.

DURHAM SAFETY RAZOR BLADES.



No. 78—Extra blades for use with all Durham safety razors, in sets of six, per dozen sets .....EDJ $6.00

ONE DOZEN PACKAGES IN A CARTON.

DURHAM DOMINO SAFETY RAZORS.



No. 546—White American ivory handle, safety guard, stropping attachment, six Durham-Duplex double edge blades in genuine red leather folding kit .....per dozen AJHJ $12.00

ONE IN A BOX.

THE GEM DAMASKEENE RAZOR.



No. 7—The Gem Damaskeene Razor is unequalled for simplicity of construction, uniform goodness of blades, compactness of package and attractiveness. It consists of Gem Damaskeen frame and handle, extra stropping handle and 7 Damaskeene blades, all complete in velvet-lined genuine morocco leather case, size 3¾x1⅞x2⅛ in., w't per doz. 4 lbs., per dozen .....AJAJ $12.00

ONE DOZEN IN A CARTON.

GEM DAMASKEENE RAZOR BLADES.



Extra Blades—Strong reinforced convex edge assures a perfectly smooth shave. Made to fit Gem Jr., Gem Damaskeene, Gem, Superior, Star and Ever-Ready frames. Put up in sets of seven blades, w't per doz. sets, 1 lb., per dozen sets .....CFJ $6.00

TWENTY-FOUR SETS ON A DISPLAY CARD.

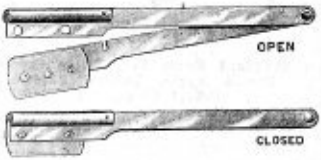
SAFETY RAZOR GUARDS.



No. 5—Shav-ezy, brass, nickel plated, can be adjusted to fit any razor, per dozen .....BDJ $4.00

ONE DOZEN IN AN EASEL DISPLAY CARTON.

STROPPING MACHINES AND STROPPERS.



Vim, steel, for safe and secure adjustment of thin, flexible, double edged safety razor blades, per dozen .....DHJ $8.00

Especially adapted to Gillett Blades.

ONE IN A BOX.



No. 115—King of All, length 6¼ in., nickel plated steel, holds all safety razor blades without any adjustment, per dozen .....BDJ $4.00

For GEM Safety Razor Blades.

ONE DOZEN ON A DISPLAY CARD. WE DO NOT BREAK CARDS.

SAFETY RAZOR BLADES.

No. 2005 GEM—per dozen packages.....BFJ $4.30

TWO AND ONE-HALF DOZEN PACKAGES IN A CARTON.

Enders, per dozen packages BFJ $4.32

In lots of 100 Packages or more, per dozen packages .....BCE $3.96

ONE AND TWO-THIRDS DOZEN PACKAGES IN A CARTON.

Penn, per dozen packages BDJ $4.00

ONE DOZEN PACKAGES IN A CARTON.

'Ever-Ready'
Safety Razor

Dollar Outfit with 12 Radio Blades



OUTFIT as pictured—retailing for $1.00 complete. The best known and known as the best popular priced safety razor. Guaranteed unconditionally. Marvelously efficient—frame guaranteed ten years—solid handle—handsome case and twelve (12) Radio blades—the finest blades made. Each razor in individual carton.



Order This Quick Selling Card of Blades

THIS quick selling display stand holds twenty-four packages of six Ever-Ready blades to the package — one gross blades in all.

Display stand as pictured (size 11 x 14 inches), heavy metal, lithographed in six colors and gold, made with patented spring that holds each package securely — easily released for selling. Quick—profitable.

Complete card to dealers of 24 packages. Retails for **$7.20.**

Two 25c coupons as 50c bonus, with each card of blades, gratis.

Four coupons given with two cards of blades, will be redeemed by the makers for one Standard Ever-Ready Dollar Safety Razor.

EVER-READY "RADIO" BLADES

YOU might just as well doubt a "sterling" mark that you see stamped on silver as to question the value of a blade marked "Ever-Ready."

Ever-Ready "Radio" blades are the fastest selling, most profitable blades that the retailer can stock. There are millions of users alone buying Ever-Ready blades for Ever-Ready razors, and besides, users of other razors are constantly buying "Radio" Steel blades for their frames.

Irrespective of price, irrespective of quantity, a dealer by careful mathematical calculation can readily see that there is not alone a better profit in each sale of Ever-Ready blades but a greater number of sales and a greater satisfaction in selling Ever-Ready blades. Besides there is the assurance of the maker's protection in satisfying your customer.



The perfect package for each blade.

Each blade is individually wrapped in a patented package. Protecting hood, climatic proof paper and sealed by label to keep out all dampness, dust or damaging edge contact. See sectional view above.

The New Price Reduction on Ever-Ready Blades Means Bigger Profits to Dealers!

Ever-Ready "Radio" Blades are sold in packages of 6, 10 or 12 to the carton. Packages of 6 and 10 blades are the most popular in the U. S. A.

Package of 6 blades retails at **30c.**
Package of 10 blades retails at **50c.**
Package of 12 blades retails at **60c.**

Blades in any desired packing. Order by the card above—it's better. Average profit of 60%.

GENUINE GRAY HORN AND ALUMINUM COMBS.

GRAY HORN.



Plain Pocket Comb in Metal Rim, Leather Case, 9-16 Inch Teeth, Coarse and Fine.

No. H340-C—Length 4 in., per dozen .....**EE** $0.90

No. H550-C—Length 5 in., per dozen .....**JIJ** $1.50



Gentlemen's Dressing, Nicolene Back and Ends, ¾ Inch Teeth, Coarse and Fine Polished.

Camel, length 6 in., per dozen .....**JIJ** $1.50

Stag, length 7 in., per dozen .....**AJE** $1.75

ONE DOZEN IN A BOX.

ALUMINUM.



Pocket Combs, Plain Polished, in Leatherette Cases.

No. 625—Length 4¼ in., coarse and fine teeth, ⅜ to ¼ in. slant, per dozen .....**EJ** $0.80

No. 665—Length 4⅞ in., otherwise same as No. 625.....per dozen **EE** $0.90



No. 775—Pocket, length 5⅛ in., ⅜ in. teeth, coarse and fine, oval back, embossed, step center, in leatherette case,.....per dozen **JHE** $1.40

ONE DOZEN IN A BOX.

GRAY HORN.



No. **6380**—Ladies' dressing, length 8 in., 1¼ in. teeth, coarse and fine, polished, nicolene back and ends, per dozen .....**BJJ** $3.35



No. **0770**—Hotel, length 7 in., ¾ in. teeth, all coarse burred and rounded, nicolene back, one end formed and drilled for chain, without chain, per dozen .....**ABJ** $2.00



No. **711**—Blonde fine comb, superior pointed, selected stock, plain raw horn, polished, 2¾x1⅜ in., per dozen .....**AJE** $1.75

ONE DOZEN IN A BOX.

ALUMINUM.



No. **910**—Gentlemen's, length 6⅜ in., ⅝ in. teeth, coarse and fine, straight back, plain polished, per dozen .....**AJE** $1.75



Ladies', Straight Back, Plain Polished, ¾ Inch Teeth, Coarse and Fine.

No. 925—Length 6⅜ in., per dozen .....**AAE** $1.90

No. 965—Length 7⅜ in. per dozen .....**ADE** $2.40

ONE DOZEN IN A BOX.

GRAY HORN.



No. **107-7**—Barbers', length 7 in., ⅜ in. teeth, plain, raw horn, per dozen .....**AAE** $1.90



No. **604**—Barbers', half slant, length 7⅛ in., ¾ to ⅝ in. coarse and fine teeth, plain raw horn, polished, per dozen .....**AEE** $2.60



Barbers' Tapered, Coarse and Fine Teeth, 19-32 to 7-16 Inch Slant, Plain Raw Horn, Polished.

No. 6157—Length 7 in., per dozen .....**ADE** $2.40

No. 6157½—Length 7½ in., per dozen .....**AEJ** $2.50



No. 5457—Barbers', thin clipping, length 7 in., ½ to ⅜ in. slant teeth, all coarse, plain haw horn, polished, per dozen .....**AHJ** $3.00

ONE DOZEN IN A BOX.

ALUMINUM.



No. **405**—Barbers', length 7 in., tapered coarse and fine teeth, ½ in. to ¼ in. slant, straight back, plain polished, per dozen .....**JHE** $1.41

H.S.B.B. RAZOR STROPS.



No. 60 H.S.B.B.—22x2¼ in., double swing, heavy black horsehide, self-honing and sharpening strop, ox blood horse hide finishing strop, stitched double leather handles and loop, nickel plated loop swivel, w't per doz. 4½ lbs., per dozen .....**EDJ** $9.00

ONE-HALF DOZEN IN A BOX.



24x2¼ in., Double Swing, Heavy Horsehide, Formed Handles, Nickel Plated Loop Swivel.

No. 400 H.S.B.B.—Seal brown, self-honing sharpening strop, black finishing strop, w't per doz. .. lbs., per dozen .....**JHAJ** $13.50

No. 403 H.S.B.B.—Black, self-honing, sharpening strop, ox blood finishing strop.....per dozen **JHAJ** $13.50

ONE-HALF DOZEN IN A BOX.



No. 70 H.S.B.B.—25x2½ in., single swing, imported shell, buff color sharpening side, highly polished seal black finishing side, stitched double leather handle, nickel plated swivel, w't per doz. 3½ lbs.....per dozen **JIJJ** $15.00

ONE-HALF DOZEN IN A BOX.



No. 105 H.S.B.B.—20x2 in., double swing, extra russet heavy sharpening strop, black finishing strop, nickel plated swivel strop holder, w't per doz. 4 lbs., per dozen .....**DHJ** $8.00



No. 404 H.S.B.B.—20x2¼ in., U. S. Cavalry, double swing, heavy black horsehide sharpening strop, fine russet calfskin finishing strop, heavy nickel plated handle and loop swivel, w't per doz. 6 lbs. ....per dozen **JGBJ** $12.00



No. 5-X H.S.B.B.—24x2½ in., single swing, heavy russet shell horsehide tanned in Scotland, worked down ready for use, stitched double, black leather handles and top pieces, handsome gold lettering, nickel plated eyelet, w't per doz. 4 lbs. .....per dozen **JIIJ** $16.50

ONE-HALF DOZEN IN A BOX.



No. 32 H.S.B.B.—24x2½ in., double swing, heavy white Scotch linen sharpening strop, russet heavy shell horsehide finishing strop, fine double stitched leather handles and loop, nickel plated loop swivel, w't per doz. 5 lbs., per dozen .....**ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.



No. 45 H.S.B.B.—24x2½ in., double swing, genuine heavy Russia finishing side, fine white Irish linen hose sharpening side, stitched double, black leather handles and top pieces, with handsome gold lettering, nickel plated loop and swivel, wt per doz. 6 lbs., per dozen .....**AFBJ** $27.00

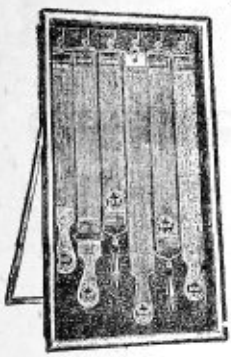


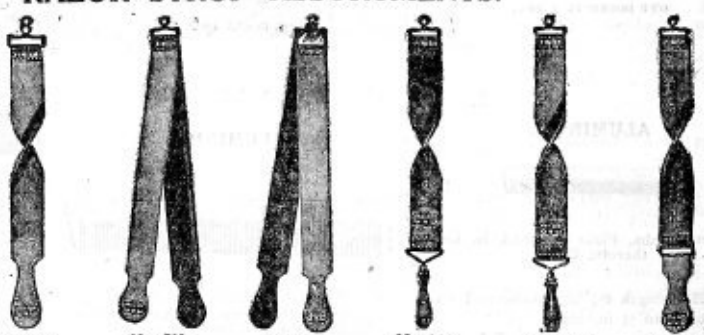
No. 999 H.S.B.B.—27x2¼ in., double swing, heavy red horsehide sharpening strop, with satin finish, heavy tan color mule skin finishing strop, gold plated patent swivel, can be attached to screw eye or bed post at will, genuine alligator stuffed handle, w't per doz. 8 lbs.....per dozen **AHJJ** $30.00

This is the finest that has ever been produced in the swing razor strop line.

ONE IN A BOX.

H.S.B.B. RAZOR STROP ASSORTMENTS.





No. 704. No. 708. No. 710. No. 711. No. 712. No. 715.

CONTENTS.

2 only **No 704** H.S.B.B.—23½x2 in, swing, horsehide, red side for finishing, black side for sharpening, leather trimmings, stitched double leather jointed handle, nicke plated loop swivel .....each $0.50 $1.00

2 only **No. 708** H.S.B.B.23½x2 in., swing, horsehide, red side for finishing, black side for sharpening, leather trimmings, nickel plated loop swivel.....each 1.00 2.00

2 only **No. 710** H.S.B.B.—25x2¼ in., double swing, horsehide, black sharpening strop, red finishing strop, with nickel plated leather protector and loop swivel.....each 1.50 3.00

2 only **No. 711** H.S.B.B. 22x2 in., double swing, horsehide, black sharpening strop, red finishing strop, leather trimmings, nickel plated loop swivel, enameled wood handle.....each .75 1.50

2 only **No. 712** H.S.B.B. 24½x2¼ in., double swing, horsehide, black sharpening strop, red finishing strop, leather trimmings, nickel plated loop swivel, enameled wood handle.....each 1.25 2.50

2 only **No. 715** H.S.B.B.—23½x2 in., swing, horsehide, black side for sharpening, red side for finishing, leather trimmings, stitched double leather handle, nickel plated double loop swivel.....each .25 .50

No. 3100—Assortment consisting of one dozen H.S.B.B. razor strops, as described above, in a handsome glass front oak easel display case 28½x15½ in., shipping weight 23 lbs.....per assortment **JHDJ** $10.50

ONE ASSORTMENT IN A CASE.

RAZOR STROPS.

CRUSO.



No. 772—Cruso, 20½x2 in., double swing black horsehide sharpening side, ox-blood horsehide finishing side stitched leather handle, nickel plated loop and swivel, w't per doz. 3½ lbs., per dozen .....**CFJ** $6.00

ONE-HALF DOZEN IN A BOX.

SUNASACK.



No. 35-S—17½x1¾ in., double swing, russet horsehide sharpening strop, black finishing strop, double stitched leather handles, nickel plated swivel, w't per doz. 2½ lbs., per dozen..... **BDJ** $4.00

ONE DOZEN IN A BOX.



No. X 12-S.

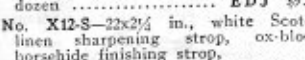
Double Swing, Double Stitched Leather Handles, Nickel Plated Loop Swivel, Weight Per Dozen 4½ Pounds.

No. 04-S—22x2 in., filled cotton hose sharpening strop, black horsehide finising strop, per dozen **CJJ** $5.00

No. 60-S—22x2¼ in., heavy black horsehide, self-honing and sharpening strop, ox-blood horsehide finishing strop, per dozen .....**EDJ** $9.00

No. X4-XS—21x2 in., ox-blood horsehide self-honing and sharpening strop, smooth black finishing strop, per dozen ..... **EDJ** $9.00

No. X12-S—22x2¼ in., white Scotch linen sharpening strop, ox-blood horsehide finishing strop, per dozen .....**JFCJ** $10.50



No. 500-S—16x2 in., U. S. cavalry pattern, double swing, heavy black horsehide sharpening strop, heavy ox-blood horsehide finishing strop, heavy nickel plated handle, loop and swivel, w't per doz. 5 lbs. .....per dozen **EDJ** $9.00



No. O3-S.

22¼x2¼ Inches, Double Swing, Scotch Linen Sharpening Strop and Heavy Horsehide Finishing Strop, Double Stitched Handles, Nickel Plated Loop Swivel, Weight Per Dozen 4½ Lbs.

No. 3-S—Black linen and black leather per dozen.....**JFCJ** $10.50

No. 03-S—Black linen and russet leather, per dozen .....**JFCJ** $10.50

ONE-HALF DOZEN IN A BOX.

SUNASACK.



No. 5-S.

24x2¼ Inches, Single, Swing, Shell Horsehide, Double Stitched Leather Loop and Handle, Weight Per Dozen 5 Lbs.

No. 5-S—Russet color, per dozen.....**JFFJ** $11.00

No. 6-S—Black color, per dozen.....**JFFJ** 11.00

No. 9-S—Ox Blood color per dozen.....**JFFJ** 11.00



No. 300-S—Ox Blood leather and black linen, 23x2¼ in., double swing detachable Scotch linen sharpening strop, shell finish, horsehide finishing strop stitched double red leather handle, nickel plated swivel, w't per doz. 5 lbs.....per dozen **JGBJ** $12.00



No. 488-S—22½x2 in., double swing, black heavy horsehide, self honing sharpening strop, tan heavy horse hide finishing strop, shaped handles, nickel plated swivel holder, w't per doz. 4½ lbs.....per dozen **JGBJ** $12.00



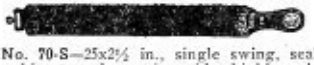
No. 840-S—23¼x2½ in., double swing, ox-blood horsehide, self-honing and sharpening strop, black horsehide finishing strop, stitched double leather handles and loop, heavy nickel plated loop swivel, w't per doz. 5½ lbs., per dozen.....**JGBJ** $12.00



24x2¼ Inches, Double Swing, Heavy Horsehide, Self Honing, Formed Handles, Nickel Plated Loop Swivel, Weight Per Dozen 6 Lbs.

No. 400-S—Seal brown sharpening strop and black finishing strop, per dozen .....**JHAJ** $13.50

No. 403-S—Black sharpening strop and ox blood finishing strop, per dozen.....**JHAJ** $13.50



No. 70-S—25x2½ in., single swing, seal skin, tan sharpening side, highly polished black finishing side, stitched double leather handle, nickel plated swivel, w't per doz. 3½ lbs., per dozen .....**JIJJ** $15.00



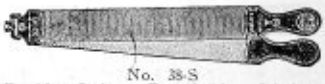
No. 1-S—24½x2¼ in., double swing, black Scotch linen sharpening strop, black horsehide finishing strop, stitched double leather handles and loop, nickel plated loop swivel, w't per doz. 6 lbs.....per dozen **JIJJ** $15.00



"Ethiopian Beauty," Double Swing, Black Filled, Scotch Linen Hose Sharpening Strop, Heavy Black Horsehide Finishing Strop, Stitched Double Leather Handles and Loop, Black Enameled Loop Swivel, Handles and Loop Lettered in Gilt.

No. 3-7-11-S—23x2¼ in., w't per doz. 5¼ lbs.....per dozen **JGBJ** $12.00

No. 5-10-15-S—25x2½ in., w't per doz. 6½ lbs.....per dozen **JIJJ** $15.00



No. 38-S

Double Swing, Detachable, Stitched Double Leather Handle, Nickel Plated Loop Swivel, Weight Per Dozen 6 Pounds.

No. 79-S—24-2¼ in., black Scotch linen hose sharpening strop, ex-blood shell horsehide finishing strop, per dozen .....**AAGJ** $19.50

No. 38-S—24x2½ in., imported Scotch shell horsehide, finishing strop tan color, fine Irish linen white hose sharpening strop, per doz. ..... **ADDJ** $24.00



No. 218-S—24½x2¾ in., double swing, reversible black Scotch linen sharpening strop, black shell horsehide finishing strop, all four sides finished, stitched double leather handles, nickel plated swivel on each strop, connected with nickel plated ring, w't per doz. 7 lbs.....per dozen **ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.



No. 700-S.

24x2½ Inch, Double Swing, Stitched Double Leather Handles, Nickel Plated Swivel, Weight Per Dozen 5 Lbs.

No. 700-S—Filled, white Scotch linen hose sharpening strop and tan dry porpoise hide finishing strop, per dozen .....**ADDJ** $24.00

No. 701-S—Brown horsehide sharpening strop and black horsehide finishing strop .....per dozen **ADDJ** $24.00

No. 702-S—Black mule hide sharpening strop and gray moose hide finishing strop .....per dozen **ADDJ** $24.00

ONE-HALF DOZEN IN A BOX.

CARBORUNDUM RAZOR STROPS.

Carborundum Razor Strops are made from the finest of selected horsehide, hand-buffed and finished. The sharpening sides of the strops are corrugated and into the corrugations and into the texture of the leather the finest hand-washed Carborundum Powder is worked.



This feature, which is only found in Carborundum Strops, brings the dullest razor to an edge after but two or three strokes. The strops are fitted with new, novel and practical hardware and will retain their pliability for years.

SHOWING CORRUGATIONS AND CARBORUNDUM POWDER UNDER MAGNIFYING GLASS.



No. 457—Medium weight selected horsehide, the handle is plain and the holder of brass eyelet type, size 2 in. wide and 22 in. long,
per dozen.....DFJ $6.00



No. 459—A splendid quality of horsehide, it has the single ring holder and embossed handle, size 22 in. long and 2¼ in. wide.....per dozen EJJ $6.00



No. 434—Genuine light weight horsehide, of splendid quality, the handle is of russet leather, embossed, the hardware is of the figure eight nickel ring type, size, 2¼ in. wide and 26 in. long.....per dozen FFJ $9.00



No. 436—Cut from medium weight genuine horsehide, the handle is of the plain type of russet, embossed leather, the hardware is heavily nickel plated, size 2¼ in. wide and 26 in. long, per dozen.....JGBE $10.20



No. 451—Single strop of medium weight horsehide, has the full cavalry style of hardware finished in brass, the sharpening side of the strop is corrugated and filled with Carborundum, size 2¼ in. wide and 22 in. long, per dozen .....JGBE $10.20



No. 402—The stock in this strop is of heavy weight, tan, selected horsehide, it is fitted with the heavy single swivel ring holder and the razor case handle into which the razor can be slipped when not in use, the hardware is nickel plated and the handle of russet leather, embossed, size 2¼ in. wide and 27 in. long,
per dozen.....JHFJ $12.00



No. 438—The leather in this strop is of heavy genuine horsehide, the hardware is gilt finished and the handle of russet, embossed leather, size 2¼ in. wide and 26 in. long,
per dozen.....JGFJ $10.80



No. 435—This is a combination strop, one strop is of light weight genuine horsehide, corrugated and filled with carborundum powder, the other strop is a specially treated canvas honing strop, fastened by a patent swivel clamp, the hardware is of the figure eight nickel wire pattern, size 2¼ in. wide and 26 in. long,
per dozen .....JHFJ $12.00



No. 440—Is cut from heavy genuine horsehide, the split-ring hardware is in the brass gilt finish, equipped with the ordinary handle of embossed leather, size 2¼ in. wide and 26 in. long, per dozen.....JHFJ $12.00



No. 425—The best quality of genuine heavy shell horsehide, finished in black, the strop has the plain handle of russet, embossed leather, the single swivel ring hardware is nickel plated, size 2¼ in. wide, and 26 in. long, per dozen.....JIDJ $15.00



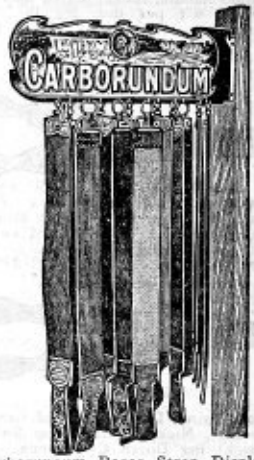
No. 431—A medium weight strop of genuine shell horsehide, finished in satin tan, the split-ring hardware is of brass gilt, the plain handle is of russet leather, embossed, size 2¼ in. wide and 26 in. long, per doz. AAAJ $18.00



A Combination Strop, One Finished in Black, the Other in Satin Tan. The Black Strop is Genuine Horsehide and the Tan Genuine Shell Horsehide. The Full Cavalry Style Hardware is Brass Finished.

No. 453—Size 2¼ in. wide and 20 in. long.....per dozen ACHE $21.00

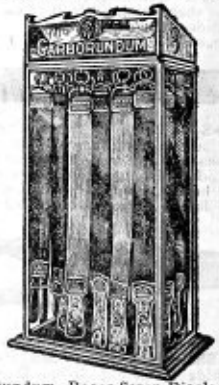
No. 454—Size 2¼ in. wide and 22 in. long.....per dozen AEHE $24.00



Carborundum Razor Strop Display Hanger.

Consists of a beautiful lithographed steel display panel, done in 8 colors and white, showing a striking view of Niagara Falls and Indian Head trade-mark of the Carborundum line. Display panel is fitted with bracket that can be put up in display window corner, counter or store wall. At bottom of panel is a series of hooks to which are hung a dozen Carborundum Razor Strops.

Given Free with two dozen Razor Strops.



Carborundum Razor Strop Display Case.

29 in. high, 9 in. deep and 15 in. wide. Steel frame, copper oxide finish and heavy glass panels. Interior of case is fitted with a series of hooks arranged on sliding bars, strops all hang full length, the case is practically dust-proof and is a decidedly attractive display. The case will hold six dozen strops

GIVEN FREE WITH SIX DOZEN RAZOR STROPS.

ALL RAZOR STROPS PACKED ONE-HALF DOZEN IN A BOX; AVERAGE W'T PER DOZ. 4 LBS.

RAZOR HONES.

RAZOR HONES.
Use Dry or Wet.



[illegible]—5½x2 in., each in handsomely lithographed metal box with hinged cover, w't per doz. 6½ lbs., per dozen .....**JGBJ** $12.00

Composed of carefully selected superior quality hone grit scientifically compounded. Every particle of grit is strictly uniform. Hone is free from all imperfections commonly found in natural hones. ONE-HALF DOZEN IN A CARTON.



No. 01 [illegible]—4½x2 in., brown, finest quality, with a coarse and fine side, for use with either water or oil, will quickly produce a perfect cutting edge, w't per doz. 4½ lbs., per dozen .....**CCJ** $5.50

No. 02 [illegible]—Slate color, otherwise same as No. 01 [illegible], per dozen .....**CFJ** $6.00

ONE IN A NEAT CARDBOARD BOX, NICELY LABELED; ONE DOZEN IN A PACKAGE.



Roxo—5x2 in., in gold lettered cloth covered box, w't per doz. 6½ lbs., per dozen .....**DHJ** $8.00

Made from secret composition—which combines qualities most desirable in razor honing. ONE IN A BOX.



A Combination of Finest Materials Scientifically Blended.

No. 50—Apart, 5½x2 in., for either oil or water, w't per doz. 6 lbs., per dozen .....**DHJ** $8.00

ONE IN A BOX.

Use Water or Oil.



No. 12—6x1¼ in., genuine Escher, dark blue, complete with rub stone to create lather, w't per doz. 6 lbs., per dozen .....**AHJ** $3.00

No. 1—7x1½ in., genuine Escher, dark blue, complete with full size rub stone to create lather, w't per doz. 12 lbs.....per dozen **BDJ** $4.00

ONE-HALF DOZEN IN A BOX.

RAZOR HONES.
Use Dry or Wet.



Genuine "Franz Swaty," Finest Quality, Coarse on One Side and Fine on the Other.

No. 62—5x2 in., "Two Line," w't per doz. 5½ lbs.....per dozen **EDJ** $9.00

No. 63—5x2 in., "Three Line," w't per doz. 5½ lbs....per dozen **EDJ** $9.00

No. 72—8x2 in., "Two Line," w't per doz. 8 lbs. ..per dozen **ADDJ** $24.00

No. 73—8x3 in., "Three Line," w't per doz. 8 lbs. ..per dozen **ADDJ** $24.00

ONE-HALF DOZEN IN A PACKAGE.

Use Lather or Water.



No. 45—6x1¼ in., genuine Belgian, w't per doz. 6½ lbs., per dozen .....**AEJ** $2.50

No. 2—6x1¼ in., fine genuine Belgian, w't per doz. 7½ lbs., per dozen .....**CCJ** $5.50

ONE-HALF DOZEN IN A PASTEBOARD BOX.

CARBORUNDUM RAZOR HONES.



Finest Floated Carborundum Powder Possible to Produce. Unexcelled for Fast Cutting Qualities and for Giving a Keen Hair Splitting Edge.

No. C101-A—5x2x½ in., w't per doz. 6 lbs.....per dozen **JHFE** $12.00

No. C102—4x1½x½ in., w't per doz. 3 lbs.....per dozen **DCJ** $6.00

No. C103—4x2x½ in., w't per doz. 4 lbs..... per dozen **FEJ** $9.00

Can be used with either lather or water.

ONE IN A BOX.

ALOXITE RAZOR HONE.



No. C200—Aloxite hone, size 5x2x½ in., w't per doz. 6 lbs., per dozen .....**FEJ** $9.00

Aloxite is a new abrasive material manufactured by the Carborundum Company. The finest of the Aloxite grain is made into Aloxite Razor Hones that have the combined quality of being fast cutting, yet possessing that smooth, velvety surface that quickly gives the razor a keen non-pulling edge.

ONE IN A BOX.

CARBORUNDUM DRY RAZOR HONE.



No. C106—Carborundum dry hone, size 4x2x½ in., w't per doz. 4 lbs., per dozen .....**FEJ** $9.00

A splendid hone for those who prefer to use a dry hone. It gives quickly a fine, smooth edge and can always be used without water, lather, or any preparation. Made in one size.

ONE IN A BOX.

CARBORUNDUM RAZOR HONE ASSORTMENT BOX.



A quick selling assortment of the Carborundum Razor Hones is put up in a green and gold paper-covered carton. The lift cover is attractively done in four colors showing a general view of Niagara Falls, and the Indian Head trade-mark. The display box is given with the assortment. Any hones in the line will be supplied, but the assortment we suggest is made up of what our experience tells us are the best sellers. The assortment, containing 12 hones, is as follows—

4 Carborundum Hones No. 101-A....$4.00
4 Carborundum Hones No. 103..... 3.00
2 Carborundum Hones No. 102..... 1.00
2 Carborundum Hones No. 106..... 1.50
No. C30—w't per assortment 5 lbs., per assortment .....**FHE** $9.50

CARBORUNDUM KNIFE HONES.



No. C333—12x2½x1 in., one side coarse one side fine, w't per doz. 26½ lbs., per dozen .....**AGCJ** $28.80

The above hone is unsurpassed for quickly putting a keen edge on the dullest pocket, kitchen or paring knife, etc.

ONE IN A BOX.

TOILET SOAPS.

Jas. S. Kirk & Co.'s Celebrated Make.



Jap Rose, transparent, richly scented, per dozen cakes .....AAJ $1.80
Per box, 4 1-6 dozen .....DCJ 7.20
EACH CAKE IN AN INDIVIDUAL CARTON, FIFTY CARTONS IN AN ATTRACTIVE BOX.



Princess, Richly Scented.
No. 570—Rose ..... per dozen DE $0.75
No. 571—Lilac .....per dozen DE .75
No. 572—Violet .....per dozen DE .75
EACH CAKE WRAPPED SEPARATELY, THREE CAKES IN AN ATTRACTIVE BOX.



No. 777—Violet Cologne, transparent, richly scented, per dozen cakes .....JIJ $1.50
THREE CAKES WRAPPED, IN AN ATTRACTIVE BOX.



No. 675—Cologne Bouquet, richly scented .....per dozen cakes JIJ $1.50
The individuality of the perfume makes this soap immensely popular.
THREE CAKES WRAPPED, IN AN ATTRACTIVE BOX.



Jap Cold Cream, delightfully refreshing, made from pure vegetable oils, per dozen jars .....BGJ $4.50
TWELVE JARS IN A BOX.



Medicated Tar Soap, a transparent tar soap, ideal for shampoo, will not injure the hair, per dozen cakes .....JIJ $1.50
THREE CAKES IN A BOX.



No. 88—Oatmeal, richly scented, per dozen cakes .....JIJ $1.50
THREE CAKES WRAPPED, IN AN ATTRACTIVE BOX.



No. 118—Turkish Bath, per dozen cakes .....EJ $0.80
ONE DOZEN CAKES IN A BOX, UNWRAPPED.



Jap Rose Talcum Powder, delightfully perfumed, put up in a beautiful shaker can .....per dozen cans BJJ $2.70
Per gross .....AIDE 32.00
TWELVE CANS IN A BOX.



Cocoa Hardwater Castile Soap, made especially for use in hard water, will not injure the skin, per dozen cakes .....JIJ $1.50
TWELVE CAKES IN A BOX.



Richly Scented.

	Per dozen cakes.	
No. 01—Cold cream	EH	$0.80
No. 02—Buttermilk	EJ	.80
No. 03—Geranium	EJ	.80
No. 04—Oatmeal	EJ	.80
No. 05—Tar	EJ	.80
No. 06—Witch Hazel	EJ	.80

ONE DOZEN CAKES IN A BOX, UNWRAPPED.



No. 800—White Hardwater Castile, per dozen cakes .....EE $0.90
ONE DOZEN CAKES IN A BOX, UNWRAPPED.



No. 580—Pure Olive Oil Castile, large cake .....per dozen cakes JIJ $1.50
ONE DOZEN CAKES IN A BOX, UNWRAPPED.

WE DO NOT SELL LESS THAN ONE DOZEN CAKES.

WILLIAMS' SHAVING SUNDRIES.

SHAVING SOAP.



No. 8—Quick and Easy, per lb. **CJ** $0.50

A new shaving soap which lathers quickly and freely in the hardest water. It is put up 8 cakes to the pound.

TEN POUNDS IN A BOX.



No. 6—Barber's Bar, round cakes, ⅞x2½ in., for shaving or toilet use, per dozen .....**JFE** $1.08

TEN POUNDS IN A BOX.



No. 4.



No. 5.

No. 4—Mug, in round cakes, per dozen .....**EJ** $0.80

No. 5—Barbers' Favorite, in round cakes .....per dozen **JHE** $1.40

ONE DOZEN IN A BOX.



No. 7.



No. 10.

No. 7—Shavers' Delight, in round cakes, per dozen .....**JIJ** $1.50

No 10—Luxury, in round cakes, per dozen .....**BDJ** $4.00

The medicinal properties contained in Luxury soap are recommended by the most eminent specialists in the treatment of cutaneous diseases and are especially calculated to relieve the most obstinate cases of pimples, eczema or irritation of any kind.

NO. 7, ONE DOZEN; NO. 10, ONE-QUARTER DOZEN IN A BOX.

SHAVING STICKS.



Nos. 1 and 2. No. 3.

No. 1—Small, in metal box, per dozen .....**ABJ** $2.00

No. 2—Large, in metal boxes, per dozen .....**BDJ** 4.00

No. 3—Large, in leatherette box, per dozen .....**BAE** 3.60

NO. 1, ONE DOZEN; NOS. 2 AND 3, ON-HALF DOZEN IN A DISPLAY BOX.



No. 57—Holder top, large size, highly perfumed, nickel plated metal box, per dozen .....**BDJ** $4.00

The shaving stick is fitted to the box cover in such a manner that same forms an excellent holder for the soap while applying to the face. Will keep the fingers dry.

ONE-HALF DOZEN IN A RACK COUNTER DISPLAY BOX.

SHAVING POWDER.



No. 12—Quick and Easy, in handsome nickel plated box with hinged cover, per dozen .....**BCE** $3.90

A little of the powder sprinkled on a wet brush will produce a fine, thick lather.

ONE-HALF DOZEN IN A RACK DISPLAY BOX.

SHAVING CREAM.



No. 14—Put up in collapsible tubes, w't each 3 oz., per doz. **BDJ** $4.00

Williams' Luxury Shaving Cream yields profuse rich cream-like lather that has characterized Williams' Shaving Soap everywhere since 1840.

SHAVING SETS.



No. 700—Trio Outfit, consisting of one Williams' Shaving Stick in heavy nickel plated case, one cake Williams' Jersey Cream toilet soap in handsome silver plated soap box, and one heavy nickel plated can of Williams' Violet Supreme tacum powder, all packed in handsome Christmas box embossed in colors, per dozen sets **JIFJ** $16.00

TALCUM POWDERS.



No. 20.



No. 21.

Delicately Perfumed, Put Up in a Higly Decorated Can with Hinged Cover.

No. 20—Violet, white, per dozen .....**AIJ** $3.20

No. 21—Carnation, white, per dozen .....**AIJ** 3.20

Perfect powders, excellent for toilet use, after shaving and as a face powder, produces a soft healthy condition of the skin.

ONE-HALF DOZEN IN A DISPLAY BOX.

SHAVING SUNDRIES AND RAZOR STROP DRESSING.

COLGATES' SHAVING SOAP.



No. 80—Barber's, 8 cakes in a package, w't 1 lb. .....per pound **CJ** $0.50
TEN POUNDS IN A BOX.

COLGATES' SHAVING STICK.



No. 81—Sticks, large size, in a nickel plated box ....per dozen **BEJ** $4.18
ONE-HALF DOZEN IN A DISPLAY BOX.

COLGATE'S SHAVING POWDER.



Colgate's Rapid Shave, in handsome lithographed metal box, per dozen .....**BEJ** $4.18
This celebrated powder is intended to take the place of shaving soap or stick. It shortens the time for a shave several minutes and is strictly sanitary. Simply sprinkle a little on the wet brush and apply to face.
ONE-HALF DOZEN IN A BOX.

KRANK'S LATHERKREEM.



Replaces Soap, Brush and Cup for Shaving.

No. 200—Large size tubes, per dozen .....**BDJ** $4.00
ONE DOZEN IN A CARTON.
No. 300—Glass jars, about 1 lb., per dozen jars .....**DHJ** $8.00

"Latherkreem" is unlike any other preparation on the market. It is not a soap and requires no brush to work up a lather. Simple to apply, is clean, sanitary and permits of a quick shave. "Latherkreem" is soothing and healing to the skin. It makes shaving a pleasure even to the most wiry beard, leaving the skin soft and velvet-like. Positively will not dry on the face.

REVONOC SHAVING SOAP.



No. 60 REVONOC—Cream, round cakes, 7/8x2 1/4 in. .....per dozen **EJ** $0.84
REVONOC cream shaving soap will produce a fine creamy lather of the kind best suited for easy shaving. Lathers quickly and freely. We also recommend this soap for toilet use.
SIX CAKES IN A PACKAGE, FIVE DOZEN CAKES IN A BOX.

REVONOC SHAVING STICKS.



No. 61 REVONOC—Foil covered sticks, nicely scented, in a nickel plated box .....per dozen **ACJ** $2.20
ONE DOZEN IN A BOX.

STYPTIC PENCILS.



No. 10—H. S. B. & Co.'s, length 3 1/4 in., per dozen .....**CJ** $0.50
Indispensable in shaving, stops bleeding, heals cuts, chapped or split lips, canker, rashes, sore mouths, insect bites, fever blisters, etc., strengthens tender skin. Guaranteed under the pure food and drug act, June 30, 1906.
ONE DOZEN IN A BOX.

RAZOR STROP DRESSING.



Razoo, 3/4x2 1/4 in. cakes, no grit or tallow, color dark red, w't per doz. 8 oz., per dozen .....**JIJ** $1.50
ONE DOZEN ON AN EASEL DISPLAY CARD.

RAZOR STROP DRESSING.



No. 21—Velvet, contains no injurious ingredients, olive green color, put up in a small tin box, w't per doz. 10 oz., per dozen .....**JGJ** $1.20
Saves honing, time and money, never gets hard or dries up. Keeps the strop soft and pliable. Sells on its merits. No shaving equipment complete without it.
ONE DOZEN IN EASEL DISPLAY BOX.



Razoredge, 1x1 1/2 in. cakes, puts a keen edge on any dull razor, color dark red, w't per doz. 8 oz., per dozen .....**JHJ** $1.30



Razorine, 1x1 1/2 in. cakes, dark red color .....per dozen **ABJ** $2.00
Puts a keen edge on any dull razor, guaranteed to contain no emery, tallow or other ingredients that will injure a razor.
ONE DOZEN ON AN EASEL CARD.

RUBBERSET LATHER BRUSHES.



No. 400—Full length 4⅛ in., ebonized handle with non-corrosive metal ferrule, 2 in. improved white bristles set in vulcanized rubber,
per dozen .....**BDJ** $4.00



No. 49 Series—The Barbers' Favorite Lather Brushes.
Hard Polished Boxwood Handles with Hard Rubber Ferrules.

No. 49-1—Full length 5¼ in., 2 in. imported white bristles set in vulcanized rubber ....per dozen **DBJ** $7.00
No. 49-2—Full length 5¼ in., 2⅛ in. imported white bristles set in vulcanized rubber ....per dozen **DHJ** $8.00
No. 49-3—Full length 5¼ in., 2¼ in. imported white bristles set in vulcanized rubber .....per dozen **EEJ** $9.20
No. 49-4—"The Big 4," full length 6¾ in., 2½ in. imported white bristles set in vulcanized rubber,
per dozen .....**JFGJ** $11.20

The "Big 4" lather brush is intended for barbers who desire an extra large shaving brush that will stand hard service.

These brushes can be sterilized without injury to the hard rubber in which the bristles are set. Guaranteed to withstand hot water, cold water, soap and hard usage.

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



No. 200 SERIES—The Finest Barbers' Lather Brush Manufactured. Solid White Celluloid Handles with Hard Rubber Ferrules.

No. 200—1—Full length 5¼ in., 2 in. imported white bristles set in vulcanized rubber, per dozen **DHJ** $8.00
No. 200—2—Full length 5¼ in., 2⅛ in. imported white bristles, set in vulcanized rubber, per dozen **EDJ** $9.00
No. 200—3—Full length 5¾ in., 2¼ in. imported white bristles, set in vulcanized rubber, per doz. **JFFJ** $11.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



No. 221—Full length 4¼ in., highly polished white bone handle, hard rubber ferrule, 1¾ in. badger hair bristles set in vulcanized rubber,
per dozen .....**DHJ** $8.00

ONE-HALF DOZEN IN A BOX.

PROOF.



This is a real photograph of a real bull dog and a real "Rubberset" Lather Brush. It shows that the bristles cannot be pulled or twisted out of the hard rubber setting.

DISPLAY CASES.



No. 2—Length 14 in., width 7¼ in., height 8½ in., heavy pasteboard, covered with gloss paper closely resembling polished antique oak, glass front and slide drawer.

This handsome display case furnished free with an order for 3 dozen assorted "Rubberset" Lather Brushes—not including No. 400. Not more than one display case furnished to a customer.



No. 216—Size 1, full length 4¼ in., highly polished white celluloid handle, equal in appearance to ivory, hard rubber ferrule, 2 in. extra fine white French bristles set in vulcanized rubber .....per dozen **JIJJ** $15.00



No. 225—Full length 4½ in., 2 in. mixed badger, black rubber ferrule, white celluloid handle, set in vulcanized rubber, octagon handle,
per dozen .....**JFJJ** $10.00



No. 226—Full length 4½ in., 2 in. mixed badger, black rubber ferrule, white celluloid handle, round and highly polished, set in vulcanized rubber, per dozen .....**JFJJ** $10.00

No. 228—Full length 4¾ in., 2⅛ in. mixed badger, black rubber ferrule, white celluloid round handle, set in vulcanized rubber, an unusually heavy brush .....per dozen **JGBJ** $12.00

No. 232—Large size, full length 5 in., highly polished white celluloid handle, hard rubber ferrule, 2¼ in. badger hair bristles set in vulcanized rubber, per dozen .....**AEJJ** $25.00

ONE-HALF DOZEN IN A BOX.



No. 322—Full length 5 in., highly polished white celluloid handle, equal in appearance to ivory, hard rubber cup shape ferrule prevents lather and water from running down the handle while the brush is in use, 2¼ in. fine badger hair bristles, set in vulcanized rubber .....per dozen **AIBJ** $32.00



No. 342—Full length 4⅜ in., highly polished white celluloid handle, equal in appearance to ivory, 2¼ in. fine badger hair bristles set in vulcanized rubber .....per dozen **AIBJ** $32.00

ONE IN A BOX.

LATHER BRUSHES.



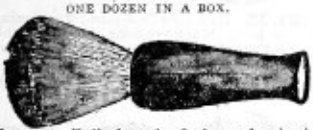
No. 4—Full length 5 in., black enameled handle, twine bound, 1⅜ in. bristles, round point small,
per dozen.....**JIE** $1.20

ONE DOZEN IN A BOX.



No. 55—Full length 5 in., brown enameled handle, wire bound, 1⅜ in., bristles, square point, medium, per dozen .....**JIE** $1.50

ONE DOZEN IN A BOX.



No. 841—Full length 5 in., ebonized handle, 2 in., selected white bristles, round point, large,
per dozen.....**ABJ** $2.00

ONE-HALF DOZEN IN A BOX.



No. 860—Full length 5¼ in., ebonized handle, nickel plated trimming, 2 in. fine white bristles, square point, medium.....per dozen **AEJ** $2.50

ONE-HALF DOZEN IN A BOX.



No. 331-X—Full length 4½ in., ebonized handle, 1¾ in. imitation Badger bristles .....per dozen **BDJ** $3.00

ONE-HALF DOZEN IN A BOX.



No. 10—"Kant-Kum-Out," full length 4½ in., soft ebony finish handle, extra fine nickeled ferrule, 2 in. selected French bristles..per dozen **BDJ** $3.30

This brush is put together under a new process, making it absolutely non-shedding, guaranteed in every respect.

ONE-HALF DOZEN IN A BOX.



No. 1-X—Never-Shed, full length 4½ in., 2 in. best white bristles, ebonized handle, aluminum ferrule, will not corrode or shed bristles,
per dozen.....**BDJ** $3.30



ALUMINUM, Antiseptic, Compressed Aluminum Ferrule, Genuine and Stamped M-Bros., Bristles Set in Vulcanized Rubber.

No. 1M—2¾ in. fine bristles, small, per dozen .....**BDJ** $4.00

No. 2M—2⅝ in., fine bristles, medium, per dozen .....**CJJ** $4.50

No. 3M—2½ in., fine bristles, large, per dozen .....**CFJ** $5.50

An indestructible brush, so constructed that it holds nearly twice the ordinary amount of lather. The bristles cannot become loose, nor the ferrule break. Bristles are cured in an antiseptic solution, which prevents spread of disease.



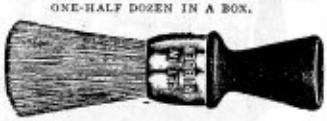
No. 945—Full length 4¾ in., ebonized handle, 2 in., imitation Badger, hair bristles, round point,
per dozen.....**CJJ** $4.00

ONE-HALF DOZEN IN A BOX.



No. 445—Full length 4 in., nickel plated handle, 2 in. imitation Badger bristles, round point....per dozen **BDJ** $4.00

ONE-HALF DOZEN IN A BOX.



Bristle Set in Vulcanized Rubber.

No. 3042—Full length 4¼ in., ebonized handle, nickel plated ferrule, 2¼ in. fine white bristles, square point, per dozen .....**BGJ** $4.00

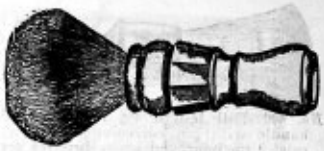
ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



Bristles Set in Vulcanized Rubber.

No. 3041—Full length 4¼ in., ebonized handle, nickel plated ferrule, 2⅛ in. imitation Badger bristles, round point .....per dozen **CJJ** $4.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.



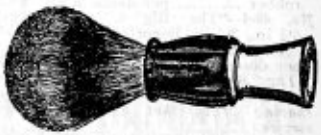
No. 1496—Full length 5 in., white celluloid handle, 2 in. mixed Badger hair bristles, round point,
per dozen .....**EDJ** $8.00

ONE-HALF DOZEN IN A BOX.



No. 990—Tourists' Telescopic, full length 5¾ in., 2 in. mixed Badger hair bristles, round point, nickel plated combination handle and case, per dozen .....**DHJ** $8.00

ONE-HALF DOZEN IN A BOX.



No. 1490—Full length 4½ in., white celluloid handle, horn ferrule, 2 in. mixed Badger hair bristles, round point.....per dozen **EDJ** $8.00

ONE-HALF DOZEN IN A BOX.



Firm in Rubber Band.

No. 2096—Full length 5⅜ in., white celluloid handle, black rubber ferrule, 2¼ in. mixed Badger bristles, round point, firmly gripped in hard vulcanized rubber.....per dozen **EDJ** $8.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

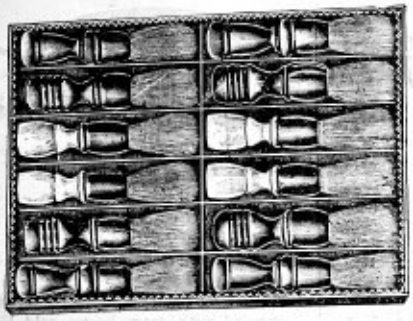


Bristles Set in Vulcanized Rubber.

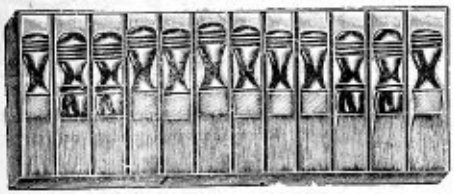
No. 2008—Full length 4¾ in., white bone handle, black rubber ferrule, 2¼ in. fine white French bristles, per dozen.....**EDJ** $8.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

LATHER BRUSHES AND BEARD SOFTENERS.



Jewel Assortment, consisting of 1 dozen lather brushes, comprising 4 brown enameled handled, 4 white maple handles and 4 cherry handles, all have fine white bristles, per assortment .....AEJ $2.50



Duke Assortment, consisting of 1 dozen lather brushes, comprising 2 black enameled handles, 2 brown enameled handles, 4 twine bound assorted colors, with black handles, 4 wire bound assorted colors, black handles, all have white bristles .....per assortment JIE $1.50



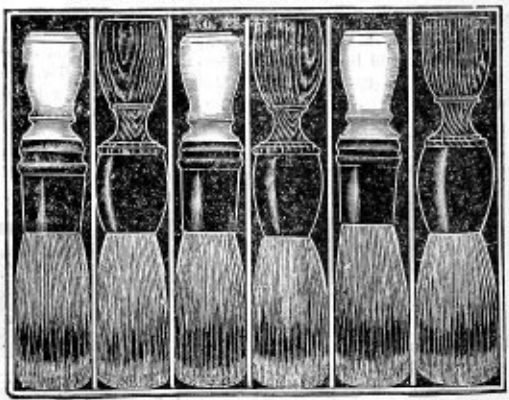
Pyramid Assortment, consisting of 1 dozen lather brushes, comprising 2 apple handles, 2 brown enameled twine bound handles, 2 ebony wire bound handles, 2 black enameled twine bound handles, 2 cocobola handles with bone ferrules, 2 wire bound apple handles, the two latter have rare badger hair, all of the former have fine white bristles, per assortment .....BDJ $3.50



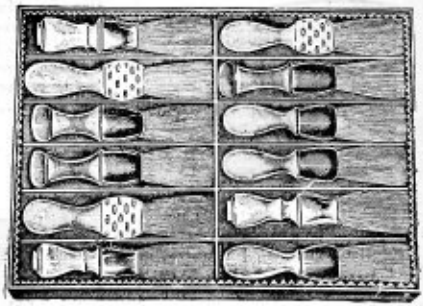
Bristles Set in Vulcanized Rubber.

No. 2010—Full length 4½ in., dark horn handle, rubber ferrule, 2¼ in., fine mixed Badger hair bristles, round point, firmly gripped in hard vulcanized rubber, per dozen.....JHGJ $12.00

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

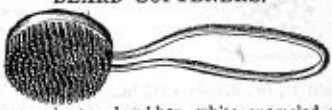


No. 563 Assortment, consists of ½ dozen assorted white enamel and cherry finished handles, ebonized ferrules, 2 in. mixed hair bristles, round point, per dozen BFJ $4.00



Winner Assortment, consisting of one dozen lather brushes, comprising 4 apple handles, ebonized ferrules, 2 apple handles with bone ferrule, 2 ebonized handles, solid metal ferrule, and 4 white carved bone handles, nickel plated solid metal ferrules, fine white bristles, per assortment .....CJJ $4.00

BEARD SOFTENERS.



No. 6—Morgan, best red rubber, white enameled non-rustable handles, full length 5¼ in., w't per card 10 oz., per dozen .....BDJ $4.00

To retail for 25 cents.

ONE-HALF DOZEN ON AN ATTRACTIVE DISPLAY CARD.

SHAVINC MUGS.



No. 19—Height 3½ in., diameter 3¼ in., white German china with floral spray decoration, gold line at top and bottom .....per dozen **AEJ** $2.50



No. 020—Height 3½ in., diameter 3¼ in., white German china with broad gold band at top and gold hair line at top and bottom....per dozen **AHJ** $3.00



No. 21—Height 3½ in., diameter 3¼ in., white German china, assorted horse head decorations, gold hair line at top, per dozen..... **AHJ** $3.00



No. 022—Height 3¼ in., diameter 3⅛ in., white German china with assorted hunting scene decorations, per dozen ..... **BAJ** $3.50

ONE-HALF DOZEN IN A PACKAGE.



No. 23—Height 3½ in., diameter 3¼ in., German china, with wide gold bands at top, floral rose spray decoration and two gold hair lines at top and bottom .....per dozen **BAJ** $3.50



No. 26—Height 3½ in., diameter 3¼ in., German china, decorated with pink, blue and green bands, assorted figure decorations, lace gold stamped border between bands with heavy gold band inside of mug, and full gold handle, per dozen .....**DHJ** $8.00



No. 27—Height 3¾ in., diameter 3⅝ in., convex shape, German china, yellow pearl luster background divided in panels by bronze lustre bands, each section decorated with gold grass spray decoration with heavy gold line at top and bottom, handles traced with heavy gold lines, per dozen..... **JFJJ** $10.00

ONE-HALF DOZEN IN A PACKAGE.



No. 30—Height 3¾ in., diameter 3⅝ in., extra fine German china, convex shape, with full pearl luster background and wide bronze luster top, paneled with extra heavy gold lines and gold scroll spray decoration in each panel with wide gold band at bottom and top of inside, full gold handle, per dozen .....**JGBJ** $12.00

ONE-HALF DOZEN IN A PACKAGE.

SHAVING MUG ASSORTMENTS.

Retailers' Assortment, consisting of 1 dozen shaving mugs as given below—

Nos.	19	21	23	26	27	30
Quantity.....	2	2	2	2	2	2

No. 200—W't per assortment 15 lbs., per assortment .....**DBJ** $5.50

ONE ASSORTMENT IN A CASE.

SHAVING MUG ASSORTMENTS.

Retailers' Assortment, consisting of 1 dozen shaving mugs as given below—

Nos.	19	020	21	022	26	30
Quantity	2	2	2	2	2	2

No. 1911—Weight per assortment 15 lbs., per assortment .....**DBJ** $5.50

ONE ASSORTMENT IN A CASE.

METAL POLISH

BURNISHINE.



White Liquid.

No. 2C—¼ pt. cans, w't per doz. 4½ lbs.....per dozen **JIJ** $1.50
No. 3C—½ pt. cans, w't per doz. 6 lbs.....per dozen **AEJ** $2.50
No. 4C—1 pt. cans, w't per doz. 9 lbs., per dozen .....**BDJ** $4.00
No. 5C—1 qt. cans, w't per doz. 24 lbs., per dozen .....**DBJ** $7.00
No. 6C—2 qt. cans, with bail, w't per doz. 51 lbs....per dozen **JGBJ** $12.00
No. 7C—1 gal. cans, with bail, w't per doz. 96 lbs....per dozen **ABJJ** $20.00

For cleaning and polishing brass, copper, nickel zinc, tin and all metals. Contains nothing injurious to any metal.

NO. 2C, SIX DOZEN; NO. 3C, THREE DOZEN; NO. 4C, TWO DOZEN; NOS. 5C AND 6C, ONE DOZEN; NO. 7C, ONE-HALF DOZEN IN A CASE.

SOLARINE.



White Liquid.

No. 150H—1-6 pt. cans, w't per doz. 3 lbs.....per dozen **JIJ** $1.50
No. 152H—¼ pt. cans, w't per doz. 7 lbs.....per dozen **AEJ** $2.50
No. 154H—1 pt. cans, w't per doz. 13 lbs.....per dozen **BDJ** $4.00
No. 156H—1 qt. cans, w't per doz. 26 lbs.....per lozen **CGJ** $6.20
No. 158H—½ gal. cans, w't per doz. 60 lbs.....per dozen **JFCJ** $10.50
No. 160H—1 gal. cans, w't per doz. 120 lbs.....per dozen **AJHJ** $18.00

For polishing gold, silver, brass, nickel, tin, etc. Contains neither grease, grit, acid or poison and will not injure the most delicate surface.

NOS. 150H AND 152H, ONE-HALF GROSS; NO. 154H, ONE-QUARTER GROSS; NO. 156H, ONE DOZEN; NOS. 158H AND 160H, ONE-HALF DOZEN IN A CASE.

MEXOLINE.



White Liquid.

No. 120H—½ pint cans, w't per doz. 7 lbs.....per dozen **AAE** $1.90
No. 122H—1 pint cans, w't per doz. 13 lbs.....per dozen **BCJ** $3.80
No. 124H—1 qt. cans, w't per doz. 26 lbs.....per dozen **CFE** $6.10

For cleaning and polishing signs, railings, band instruments, nickel, zinc, copper and other metals. Contains no poisons or acids.

ONE DOZEN IN A BOX.



No. 50C.



No. 60C.

No. 50C—4 oz. bottles, liquid, w't per doz. 7 lbs.....per dozen **JIJ** $1.50

For cleaning and polishing gold, silver, nickel, brass, copper, tin, etc. Contains nothing injurious to any metal.

ONE DOZEN IN A CARTON; THREE DOZEN IN A CASE.

No. 60C—½ pt. tin cans, liquid, w't per doz. 6½ lbs.....per dozen **AEJ** $2.50

THREE DOZEN IN A CASE.

PUTZ POMADE.



Genuine Red Paste Polish.

No. 01½C—1¼ oz. boxes, w't per doz. 1 lb.....per dozen **CJ** $0.50
No. 04C—3½ oz. boxes, w't per doz. 2 lbs.....per dozen **EJ** $0.80
No. 06C—4 oz. boxes, w't per doz. 3 lbs.....per dozen **JIE** $1.60
No. 012C—½ lb. boxes, w't per doz. 6 lbs.....per dozen **AIJ** $3.20
No. 016C—1 lb. boxes, w't per doz. 12 lbs.....per dozen **BGJ** $4.50

NO. 01½C, TWO DOZEN, NOS. 04C AND 06C, ONE DOZEN IN A BOX; BALANCE IN BULK.

MATCHLESS.



White Paste.

No. 17H—3 oz. boxes, w't per doz. 1¼ lbs.....per dozen **EE** $0.90
No. 18H—½ lb. boxes, w't per doz. 6 lbs.....per dozen **AEJ** $2.50
No. 19H—1 lb. boxes, w't per doz. 12 lbs.....per dozen **BEJ** $4.20

NO. 17H, THREE DOZEN; NOS. 18H AND 19H, ONE DOZEN IN A BOX.

NON SUCH.



Black Paste.

No. 20H—3 oz. boxes, w't per doz. 1¼ lbs.....per dozen **JFJ** $1.00
No. 21H—½ lb. boxes, w't per doz. 6 lbs.....per dozen **AFJ** $2.70
No. 22H—1 lb. boxes, w't per doz. 12 lbs.....per dozen **BHJ** $4.70

ONE DOZEN IN A BOX.

CLEANING AND POLISHING COMPOUNDS.



No. 65C.



No. 01C.

No. 65C—1 lb. packages, powder, w't per doz. 13 lbs., per dozen **BDJ** $4.00

For cleaning and polishing all kinds of tin, zinc, brass, copper, nickel and plated utensils of every kind as well as cleaning glass, wood, marble, porcelain etc.

No. 01C—1 lb. packages, powder, w't per doz. 12 lbs., per dozen **AHJ** $3.00

For cleaning and polishing nickel, copper, brass, zinc, bar fixtures and general household articles.

THREE DOZEN IN A CASE. W'T ABOUT 43 LBS.

SILVER CLEANING MATERIALS.

METAL POLISH.



REVONOC *Cleans and shines like magic. A few brisk rubs will remove all tarnish and stains and produce a beautiful luster which lasts unusually long. Contains no acid or ammonia. Will not injure fine wood work or loosen or affect screws. Absolutely pure and non-injurious. Recommended for brass, copper, zinc, nickel, stove trimmings and all metals exposed to outdoors, except gold or silver.*

Nos.	94C	95C	96C	97C
Cap., pts.	¼	½	1	2
W't, case, lbs.	13	13½	27½	28
Per dozen	$1.50	2.50	4.00	7.00
	JIJ	AEJ	BBJ	DBJ

Nos.	98-C	99-C
Capacity, gal.	½	1
W't per case, lbs.	65	65
Per dozen	$11.00	18.00
	JFFJ	AJHJ



REVONOC *Cleans and polishes all metals quickly and easily. Articles cleaned with* REVONOC *metal polish hold a high lustre unusually long, non-explosive. Government bids now specify non-explosive polish. Some states have legislated against the explosive polish, and it cannot be shipped by freight without large red label attached, bearing the word infla mmable.* REVONOC *polish will not burn. Antiseptic, contains no acid. Absolutely uninjurious, cleans the finest articles without injury. Will soften and heal the hands. Especially recommended for automobilists, engineers, mechanics, housekeepers, hotels, restaurants, fire departments, stove dealers, sporting goods dealers.*

Nos.	70C	75C	80C
Capacity, pts.	¼	½	1
W't per case lbs.	14	18	34
Per dozen	$1.70	2.50	3.60
	AJJ	AEJ	BAE

Nos.	85C	90C
Capacity, gal.	¼	1
W't per case, lbs.	36	70
Per dozen	$5.70	16.00
	CDJ	JIFJ

NOS. 94C, 70C, THREE DOZEN; NOS. 95C, 96C, 75C AND 80C, TWO DOZEN; NOS. 97-C, 98-C AND 85-C, ONE DOZEN; NOS. 90-C AND 99-C, ONE-HALF DOZEN IN A CASE.

STEEL POLISH.



Polita, for cleaning and polishing steel knives, etc., will remove rust, w't per doz. 1 lb. .....per dozen **AJJ** $1.20

ONE DOZEN ON A CARD, SIX CARDS IN A BOX.

SILVER POLISH.



No. 150 REVONOC—Silver Polish, in 16 oz. glass jars, 3½x2½ in., unequalled for cleaning and polishing silver, gold, cut glass, etc., w't per doz. boxed 18 lbs. .....per dozen **AHJ** $3.00

The above polish is pronounced by some of the leading jewelers and silverware dealers in this country, as the finest silver polish they have ever tried. Packed one dozen in a box with sawdust, and a handsome display easel as shown in the above illustration furnished with each dozen. Guaranteed to give satisfaction.

WE DO NOT BREAK CASES.

REVONOC SILVER CLEANER.



No. 2 REVONOC—Silver Cleaner for removing tarnish from silver or gold, packed in tin end cans as illustrated and described above, w't per doz. cans 11 lbs. .....per dozen **JIJ** $1.50

Directions on each box.

REVONOC SILVER CLEANING OUTFITS.



No. 1 REVONOC—Consisting of one six-quart extra heavy tinned pan, one heavy tinned wire basket or drainer and one box REVONOC Silver Cleaner, w't per doz. 36 lbs., per dozen outfits .....**JGHJ** $10.00

With the above outfit and a few minutes' time the dealer can clean and remove the tarnish from his silverware without injuring the goods.

METAL MARKING FLUID.



For Use With a Pen.

No. 10—Dark blue, in 1½ oz. bottles, w't per doz. 3 lbs., per dozen .....**AEJ** $2.00

Prepared especially for marking all bright metal surfaces such as knife blades, saws, chisels, etc. Will not rust the metal, crack or rub off. Can be easily removed with wood alcohol.

ONE IN A BOX.

VEL-CHAMEE POLISHING CLOTHS.



Superior to Chamois, as Good as New When Washed.

No. 2—Size 10½x10½ in., per dozen	**AEE**	$2.60
No. 3—Size 14¼x14¼ in., per dozen	**BDJ**	4.00
No. 4—Size 14¼x17½ in., per dozen	**CEJ**	5.80
No. 5—Size 17½x21 in., per dozen	**DHJ**	8.00

NOS. 2 AND 3, FOUR DOZEN; NO. 4, THREE DOZEN; NO. 5, TWO DOZEN IN A BOX.

CHAMOIS SKINS.



		Per Dozen.
No. 22½—Size 10x13 in.	**BAJ**	$3.50
No. 23½—Size 12x16 in.	**CFJ**	6.00
No. 24½—Size 15x20 in.	**JFJJ**	10.00
No. 26—Size 19x25 in.	**JICE**	15.60
No. 27—Size 23x26 in.	**ACBJ**	22.00

ONE KIP (2½ DOZEN) IN A BOX. AVERAGE WEIGHT PER KIP 3 LBS.

HARMONICAS.

FR. HOTZ.



No. 00—The Blue Ribbon, 10 single holes, 20 reeds, fine nickel plated zinc plates, nickel plated covers, length 3¾ in....per dozen **JIE** $1.60



No. 01—The Sport, 10 single holes, 20 reeds, fine nickel plated zinc plates, nickel plated covers, length 3¾ in., per dozen .....**AAJ** $1.80



No. 04—The Lion Brand, 10 single holes, 20 reeds, heavy brass plates, and the finest nickel plated covers, length 3⅞ in. ..per dozen **BJE** $2.70



No. 05—The Amateur, 10 single holes, 20 reeds, the finest brass plates and heavy nickel plated covers, length 3⅞ in. .....per dozen **BAE** $3.20

ALL KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 018—Assortments, consisting of handsome cardboard counter display, size 8½x8 in., printed in four colors, green, red, buff and black, twelve excellent selling harmonicas, all 10 hole, 20 reed instruments, assorted in seven different keys, accurately tuned and of uniform quality throughout, each harmonica in a durable, hinged box decorated in colors,
per assortment .....**ABJ** $1.70

MISCELLANEOUS.



No. 16—Ludwig's Pine Tree, 10 holes, 10 reeds, well tuned, nickel plated covers, zinc plates, length 4 in., per dozen .....**JFE** $1.06



No. 33—Ludwig's Pine Tree, 10 holes, 20 reeds, nickel plated covers, brass plates, length 3⅞ in.,
per dozen .....**ADE** $2.40



No. 409—The King, 10 holes, 8 reeds, nickel plated covers, zinc plates, length 3 1-6 in., per dozen **EJ** $0.80

No. 416—The King, 20 reeds, length 3¾ in., otherwise same as No. 409, per dozen .....**JIJ** $1.50

ASSORTED KEYS.
NO. 16, ONE DOZEN; BALANCE, ONE-HALF DOZEN IN A BOX.

GENUINE HOHNER.



No. 34B—The Old Standby, 10 single holes, 20 reeds, brass plates, nickel covers, length 4 in.,
per dozen .....**BBJ** $3.65

ALL KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.

GENUINE HOHNER.



No. 50B—The Old Favorite, 10 double holes, 20 reeds, brass plates, nickel covers, length 4 in.,
per dozen .....**BBJ** $3.65

In fine hinged box.



No. 1905—The Rainbow, 10 single holes, 20 reeds, brass plates and nickeled covers, so covered as to give a pleasing tone and make it comfortable for the mouth, length 4 in.,
per dozen .....**BCJ** $3.84

ALL KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 61—The up-to-date Surprise, 10 single holes, 20 reeds, brass plates and nickel plated covers, length 4 in., per dozen .....**BEE** $4.22



No. 31—American Boy Scout, length 4 in., 10 holes, 20 accurately tuned reeds, brass plates, heavy nickel plated covers, open back,
per dozen .....**BEE** $4.22

Each in tin box with hinged cover and lithographed in four colors.

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A BOX.

GENUINE HOHNER HARMONICAS.

Notice—The following prices on Hohner Harmonicas are subject to a cash discount of 2%—10 days—



No. 310—The Regulation Band, 14 double holes, 28 reeds, brass plates, nickel covers, length 4¼ in., per dozen .....**BDJ** $4.03

The covers are handsomely engraved and are so shaped as to form a semi-circular channel which runs through the center of the instrument, along its entire length, and gives it a more resonant tone. The harmonica is tremolo tuned.



No. 30—The Ironclad, length 4 in., 10 single holes, 20 reeds, brass plates, heavy nickel plated covers, open back .....per dozen **BEE** $4.22

Each in an attractive cardboard box.



No. 130—Iron Clad, length 4⅝ in., 10 double holes, 20 reeds, brass plates, heavily nickel plated covers, open back, mahogany finish frame, per dozen .....**EBJ** $7.68

Each instrument in a most elaborate box, lettered and embossed in gold.

Each in a telescope cardboard box.

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 1896—The Marine Band, 10 single holes, 20 reeds, brass plates, heavy convex brass covers, open back, finely nickel plated, length 4 in., per dozen .....**BEE** $4.22

In fine hinged box.



No. 6194—The Hohner Band, 12 double holes, 24 reeds, tuned in double octave, nickel plated covers, turned in ends, brass plates, patented, curved mouthpiece, length 4 in., per dozen .....**BEE** $4.22



No. 686—Tremolo Harmonica, 14 double holes, 28 reeds, brass plates, nickel covers, extension ends, length 4¼ in., per dozen .....**BEE** $4.22



No. 688—Showing the U. S. Capitol, 14 double holes, 28 reeds, brass plates, nickel covers, with the much desired trio tuning, length 4⅝ in., per dozen .....**BEE** $4.22

The covers of this instrument are lithographed in colors giving a fine bird's eye view of the capitol at Washington.



No. 842—The Grand Symphony, a large size Richter instrument, 10 single holes, 20 reeds, brass plates, nickeled covers, length 4⅝ in., per dozen .....**BEE** $4.22

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 481—The Marine Band Echo, 10 single holes, 20 reeds, brass plates, brass covers, finely nickel plated with extra sound channel for each reed, length 4 in., in neat box with hinged cover .....per dozen **BEE** $4.22

A, B AND C KEYS ONLY. ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 555—Tremolo Harmonica, 12 double holes, 24 reeds, brass plates, nickel covers, extension ends, length 5½ in., per dozen .....**BGE** $4.03

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 67—The Marine Band, 10 double holes, 20 reeds, brass plates, nickel plated convex covers with flat sides, length 4½ in....per dozen **DHJ** $6.91

In fine leatherette case which closes with button clasp.

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A BOX.



No. 487—The Marine Band Echo, 24 double holes, 48 reeds, nickel plated covers with extra sound channel for each reed, brass plates, tremolo tuned, length 6½ in.....per dozen **EGE** $8.16

In fine hinged box with embossed lettering.

ONE-HALF DOZEN IN A BOX.

GENUINE HOHNER HARMONICAS.

All Harmonicas shown on this page are subject to a cash discount of 2% for 10 days.



No. 1896½—The Up-to-Date, 10 single holes, 20 reeds, brass plates, brass covers, convex shaped, concert size, length 4⅝ in., per dozen **DHJ** $6.91

In fine silk lined leatherette case with lock and gold lettering.

ALL KEYS, ONE-HALF DOZEN OF ONE KIND IN A BOX.



No. 221—The Marine Band, 12 double holes, 24 reeds, beautifully tuned heavy convex nickel plated covers, extension ends, length 6 in., per dozen .....**DHJ** $6.90

Each in a very attractive hinged box with imitation leather covering. The instrument is built on the style of the full concert instrument and with four additional reeds, which enable player to obtain a much higher range than with any single mouth organ.



No. 6148—Premier, 28 reeds, tremolo tuning, brass plates, extension ends, covers neatly decorated in floral design in harmonious colors and gold plating .....per dozen **DHJ** $6.90

ASSORTED KEYS, ON-HALF DOZEN OF ONE KIND IN A BOX.



No. 3-CND—Full Concert Harp, 10 double holes, 40 reeds, brass plates, brass covers finely nickel plated, length 4 in. .....per dozen **EBJ** $7.68

In white hinged pasteboard box.

ALL KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 35—Tremolo Harmonica, 24 double holes, 48 reeds, brass plates, nickel covers, extension ends, two harmonicas in one, two different keys, length 6½ in. .....per dozen **EBJ** $7.68

No. 36—32 double holes, 64 reeds, length 7 in., otherwise same as No. 35, per dozen .....**GBJ** $9.60

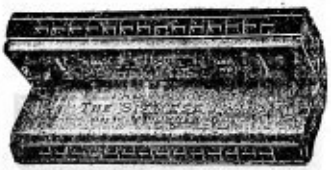


No. 605—The Echo, 5⅛x2¼ in., double sided, 32 double holes, 64 bell metal reeds, tremolo tuned, brass plate, heavy nickel plated covers with turned in ends .....per dozen **EBJ** $7.68

This large harmonica is excellent in every respect and can be used for professional work

Each in a telescope cardboard box.

ONE-HALF DOZEN IN A PACKAGE.



No. 1006—The Siamese Twins, 28 double holes, 56 reeds, nickel plated covers, brass plates, two different keys, length 4¼ in., per dozen .....**EBJ** $7.68

The best Harmonica for quickly changing from one key to another. The connecting cover is curved in the rear so as to form a hollow tube in which the tone resounds. This instrument is tremolo tuned.

ONE-HALF DOZEN IN A BOX.



No. 440—The Marine Orchestra, regular full concert harmonica, 10 double holes, 40 reeds, heavy nickel plated convex covers with turned in ends, length 4¼ in. ..per dozen **EBJ** $7.68

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A PACKAGE.



No. 2561—Aero Band, 14 double holes, 28 tremolo tuned reeds, brass plates, polished extension ends, beautifully designed metal cover, imitation gold and silver plating, per dozen .....**EGE** $8.16

The particular feature of this instrument is the beautifully designed metal cover; it is so shaped as to exactly resemble the new type derigible balloon or airship.



No. 6195—The Hohner Band, 16 double holes, 32 reeds, beautifully turned in double octave, heavy nickel plated covers, turned in ends, brass plated patented curved mouthpiece, length 5 in. .....per dozen **EBJ** $7.68

ASSORTED KEYS, ONE-HALF DOZEN OF ONE KIND IN A BOX.

HARMONICAS.

All Harmonicas shown on this page are subject to a cash discount of 2% for 10 days.



No. 3100—Harmonette, length 5¾ in., 32 reeds, brass plates, finely nickel plated covers and turned-in ends, with well constructed resonator or sound box, finished in rich mahogany piano polish .....per dozen **EGE** $8.16

This harmonica in its entirety resembles a miniature harp. In center of sound box is a circular opening, which by a slight wavering of the hand over same, produces effects of enticing richness.



No. 157—Victoria Tremolo Concert, 8x2¼ in., double sided, 40 double holes, 80 reeds, tremolo tuned, two different keys, brass plates, heavy nickel plated covers with artistic scroll designing, extension ends with fancy silver pressed decorations, per dozen .....**AJDJ** $15.82



No. 46½—The Up to Date Tremolo, 32 double holes, 64 reeds, brass plates, nickel covers, fancy silver stamped extension ends, two harmonicas in one, two different keys, length 7½ in., per dozen .....**AJDJ** $15.84

In fine silk lined leatherette case with gilt lettering.

ONE-HALF DOZEN IN A BOX.



No. 426—Trumpet Call, length 6¼ in., 8 double sided Tremolo Harmonicas, 16 double holes in each side, 64 reeds of wonderfully pleasing tone, per dozen .....**AJDJ** $15.36

The predominating feature is the covers, which are of burnished brass, perforated and engraved with cornucopiae and other designs of classic suggestion.

The plates in harmony with the general effect are coated with imitation gold, with floral decorations in colors.

Each instrument is contained in a heavy box with impressed gilt lettering and scroll designing.



No. 48½—The Up to Date Tremolo, 48 double holes, and 96 reeds, brass plates, nickel covers, fancy silver stamped extension ends, two harmonicas in one, two different keys, length 9½ in., per dozen **AHJJ** $23.04

In fine silk lined leatherette case, with gilt lettering.



No. 345—The Marine Band Full Concert Harp, 12 double holes, 48 reeds, an additional eight over the ordinary instrument, permitting larger range, heavy nickel plated covers and extension ends, length 6 in., in a fine durable case ....per dozen **JGBJ** $10.56

ASSORTED KEYS; ONE-HALF DOZEN OF ONE KIND IN A BOX.

These extra large tremolo harps are first class in every respect. Each in a handsome telescope case.

ONE-HALF DOZEN IN A BOX.

CRYSTAL LINE ASSORTMENTS.



Fine Easel Display Cases, Sides of Which, and Also the Hinged Covers, are of Glass, with Nickel Plated Frames and Corner Assortments.

No. 725—Assortment, consisting of display case 9¼x8¼ in., and one doz. genuine Hohner harmonicas in three different styles, and all keys, to retail at 25 cents each, w't 3½ lbs., per assortment .....**CJJ** $4.38

No. 750—Assortment, consisting of display case 10½x9¼ in., and one doz. genuine Hohner harmonicas, in six different styles, and all keys, to retail at 50 cents each, w't 5½ lbs., per assortment .....**EBJ** $7.68

The harmonicas in the above assortments are specially selected in the best selling numbers in the Hohner line. The glass show cases not only show the goods to the best advantage, but keep the stock in perfect condition.

ONE ASSORTMENT IN A CARTON.

GENUINE HOHNER HARMONICAS.

HARMONICA ASSORTMENTS.



The New Hohner Display Stand, 24½x16¼ in., with Harmonicas Attached.

No. 225—Assortment consists of one new Hohner display card, with one dozen harmonicas, to retail at 25 cents each. The harmonicas are made up in three different styles, with an assortment of keys in each display, per ass't **BGJ** $4.03

No. 235—Assortment consists of one new Hohner display card, with one dozen harmonicas, to retail at 35 cents each. The harmonicas are made up of the 5 best selling styles in the Hohner line, and there is an assortment of keys on each card .....per assortment **CJJ** $4.99

No. 250—Assortment consists of 1 new Hohner display card, with one dozen harmonicas to retail at 50 cents each. The harmonicas are made up of 5 different styles, which are selected from the best sellers. In each assortment there will be found all the different keys required, per assortment .....**EBJ** $7.68

The stand is a masterpiece of both the artist's hand and originality. It is lithographed in four colors and gold, and supported by a substantial easel. The harmonicas are fastened on new patented clamps, which hold the goods firmly and display them to advantage.



No. 200—Lyre Harminoca Assortment, combining a very attractive harmonica stand, made in the shape of a lyre, size 19x21 in., and an assortment of 12 Hohner harmonicas consisting of 4 instruments to retail at 25 cents each, 3 to retail at 35 cents each, 3 to retail at 50 cents each, 1 to retail at 75 cents and another to retail at $1.00. The dealer sells the harmonicas for $5.30, making a profit of about 50% as well as being put in possession of a fine harmonica stand, which can be used for years .....per assortment **DHJ** $6.91

HARMONICA ASSORTMENTS.



No. 600—Consisting of a display stand and following harmonicas.....per stand and assortment **AFHE** $25.52

12 assorted harmonicas, retail value	$0.25	$ 3.00
8 assorted harmonicas, retail value	.35	2.80
8 assorted harmonicas, retail value	.50	4.00
4 assorted harmonicas, retail value	.75	3.00
4 assorted harmonicas, retail value	1.00	4.00
Total retail value		$16.80

This revolving display stand furnishes to the retail dealer an ideal method of displaying his harmonicas. The stand is obelisca in shape, mounted on a metal disc connected by means of a cylindrical bar to a set of durably constructed clockworks of sufficient strength to revolve the obelisk for over 3½ hours by one winding.

The entire stand is furnished in a deep rich mahogany piano polish with very attractive silver pressings and having the number and retail price of each instrument stenciled in neat design. Its extreme measurements are 32 inches high by 10½ inches square at the base, and 6¾ inches square at the top.

On the obelisk is fastened by means of steel clamps and supports a quantity of thirty-six genuine Hohner Harmonicas in the keys of A, B, C, D, E, F and G, with a variety of twenty different styles. Each instrument is an excellent seller and is bound to meet with instantaneous success.

HARMONICAS AND JEWS' HARPS.

GENUINE HOHNER HARMONICAS.



No. A25—Hohner Harmonica Assortment, consisting of 12 Hohner harmonicas, put up in a handsome display case, to retail at 25 cents each, assorted styles, in seven different keys .....per assortment **BGJ** $4.03

No. A50—Assortment of 12 harmonicas to retail at 50 cents each, otherwise same as No. A25, per assortment **EBJ** $7.68

DISPLAY CABINETS.



No. 400—New Hohner, collapsible, consists of a three tray cabinet of best seasoned wood, beautifully finished in dark mahogany piano polish, opened and closed in a moment's time, contains 38 pieces of the best selling Hohner harmonicas, assorted in 16 different styles, all keys,

16 assorted harmonicas, retail value	$0.25	$4.00
12 assorted harmonicas, retail value	.35	4.20
10 assorted harmonicas, retail value	.50	5.00
Total retail value		$13.20
Per cabinet and assortment	**AJCJ**	$17.86

When the cabinet is open, the harmonica display is exceptionally attractive, exhibiting the entire contents of 38 harmonicas at one time and showing them to great advantage. When closed, it resembles an elaborate jewel case and occupies less than a square foot of space.

The cabinet costs the dealer nothing and, besides, he is the gainer by 50%.

HARMONICA ASSORTMENTS.



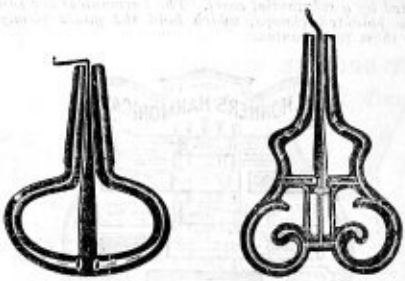
Heavy Cut Card Board Display Stand, 31 Inches High. 15 Inches Wide, Printed in Five Colors, Supported with a Patented Easel. Attached to the Stand are Metal Clasps for Holding Harmonicas.

No. 425—Hohner Boy, assortment consists of one display card, and one dozen genuine Hohner Harmonicas to retail at 25 cents each, assorted in different styles with a variety of seven keys, w't 4 lbs. .....per assortment **BGJ** $4.04

No. 450—Hohner Boy, assortment consists of one display card, and one dozen genuine Hohner Harmonicas to retail at 50 cents each, assorted in different styles, with a variety of seven keys, w't 5 lbs. .....per assortment **EBJ** $7.68

ONE ASSORTMENT IN A CARDBOARD BOX.

JEWS' HARPS.



Plain Pattern. Fancy Pattern.

No. 5027—Plain Pattern, 2⅝ in., wrought iron frame, blued steel tongue .....per dozen **CE** $0.66

No. 5030—Plain Pattern, 2⅞ in., wrought iron frame, blued steel tongue .....per dozen **JFJ** $1.00

No. 217-B—Plain Pattern, 2½ in., heavy brass frame, brass tongue .....per dozen **EE** $0.90

No. 812—Fancy Pattern, 3¼ in., japanned iron frame, brass tongue .....per dozen **JIJ** $1.50

No. 813—Fancy Pattern, 3¼ in., japanned iron frame, brass tongue .....per dozen **AEJ** $2.50

THREE DOZEN IN A BOX.

ALUMINUM NOVELTIES AND SPECIALTIES.

Made from First Quality Pure Aluminum.

INDIVIDUAL JELLY MOULDS.



No. 1.



No. 2.



No. 3.



No. 4.



No. 5.



No. 6.

Satin Finished, Heavy Weight, Valuable in Preparing Gelatine Desserts of All Kinds.

Nos.	1	2	3
Width, in.	2¼	2¼	2¼
Height, in.	1¼	1¾	1¾
Per dozen	$0.90	.90	.90
	EJ	EJ	EJ
Nos.	**4**	**5**	**6**
Width, in.	2½	2½	2¼
Height, in.	1¾	1¾	1¼
Per dozen	$0.90	.90	.90
	EJ	EJ	EJ

No. 7—Assorted, consisting of two each of the above six patterns, per dozen .....EJ $0.90

JELLY OR CAKE MOULD.



No. 20B—Satin finished, heavy weight, height 3 in., diam. at top, 5¼ in., at bottom 3 in., per dozen AEJ $2.50

COMBINATION BISCUIT CUTTERS.



No. 2573—Satin finish, diam. 2¼x1 in., with 2 in. wood handle and removable inside cutter, per dozen .....AJJ $1.70

ONE DOZEN IN A BOX.

SUGAR SIFTERS.



No. 42—Satin finished, polished top, polished and knurled bands, height 3¼ in., diam. 2 in., per dozen .....AJJ $1.70

TEA STRAINERS.



No. 1555—Polished, diam. 2 in., per dozen .....EJ $0.80

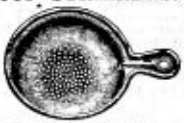
ONE DOZEN IN A BOX.



No. 2507—Polished, diam. 1¾ in., has nickel silver wire spring which can be attached to any pot spout, per dozen .....JIJ $1.50

MOUNTED, ONE DOZEN ON DISPLAY CARD; WE DO NOT BREAK CASES.

CUP STRAINERS.



No. 1554—Satin finish, diam. 3½ in., per dozen .....DJ $0.70

NAPKIN RINGS.



No. 2601—Satin finished, with burnished etched border, medium size, 1½x1½ in. .....per dozen JFJ $1.00

ONE DOZEN IN A BOX.

FRUIT FUNNELS.



No. 2930—Satin finish, with handle, height 2⅝ in., diameter at top 3¼ in., at bottom 1¾ in., w't per doz. 12 oz., per dozen .....JIE $1.60

Very useful during the preserving season.

TEA BALLS.



No. 1561—Satin finished, egg shaped, size 2¼x1⅞ in., per dozen JHE $1.40

WHITE CROSS COFFEE PERCOLATORS.



No. 2561—Polished, detachable perforated top and bottom, height 3¼ in., diam. 2½ in., 4 in. chain for suspending percolator in pot, per dozen .....AAJ $1.80

LEMON JUICE EXTRACTORS.



No. 1552—Satin finished, height 2 in., extreme width 3⅛ in., per dozen .....JHJ $1.30

A serviceable article.

TOOTH PICK HOLDERS.



No. 1123—Satin finished top, polished bottom, self-righting, loaded at base to prevent tipping, height 2 in., diam. at base 1¼ in., at center 2 in., per dozen .....JHJ $1.30

ALUMINUM NOVELTIES AND SPECIALTIES.

Made from First Quality Pure Aluminum.

CHILDREN'S CUPS.



No. 80—Plain satin finished with knurled bands, height 2¾ in., diam. at top 2⅛ in....per dozen **JIJ** $1.50



No. 800—Plain satin finished, height 2¾ in., diam. at top 2⅜ in., per dozen .....**EE** $0.90

No. 812—Large size, satin finished, burnished and knurled bands, height 2⅝ in., diam. at top 3½ in., per dozen .....**AAE** $1.90

MEASURING CUPS.



No. 1029—Satin finished, height 2½ in., capacity ½ pt., lines placed to measure ¼ and 1-6 pts, per doz. **JIE** $1.60

This is a standard size measuring cup for household use.

REVONOC NESTED CUPS.



No. 016-C REVONOC—Consisting of 6 nested cups with snap cover, highly polished, height 3¾ in., width 2⅝ in., per dozen sets .....**JGBJ** $12.00

No. 013-C—REVONOC—Same as above only 3 nested cups, outside polished, capacity of each cup 2¾ oz., height 2½ in., outside diameter on top 2 in., per dozen .....**ADJ** $2.30

For automobilists, campers, picnickers, and sportsmen.

ONE DOZEN IN A BOX.

CREAM SEPARATOR.



No. 2825—Satin finished, length including handle 9 in., diam. 1 in., handy for extracting cream from standard dairy milk bottles, per dozen .....**AJJ** $1.70

ONE DOZEN IN A BOX.

COLLAPSIBLE CUPS.



No. 972C. No. 22C.

No. 972C—Three sections, satin finish, height open 2⅞ in., closed 1 in., diam. at top 2 in., at bottom 1¾ in., per dozen .....**EJ** $0.80

No. 22C—Four sections, satin finish, 2⅝x2¼ in., closed 1¾ in., per dozen .....**JGJ** $1.30



No. 971-C. No. 27-C. No. 969-C.

No. 971C—Four sections, satin finished base, handsome burnished top, height open 2¼ in., height closed 1 in., diam. at top 2 in., at bottom 2¼ in., w't per doz. 10 oz. .....per dozen **JHE** $1.40

No. 27C—Five sections, highly polished, height open 3 in., closed 1 in., diam. 2½ in., snap embossed cover, impossible to come open in pocket, a strictly sanitary article, per dozen .....**BAJ** $3.50

No. 969C—Four sections, extra heavy construction, highly burnished finish throughout, height open 3 in., height closed 1 in., diam. at top 2⅞ in., at bottom 2½ in., per dozen **BGJ** $4.50

BOTTLE FUNNELS.



No. 1600 — Polished outside, satin finish inside, height 2½ in., diam. at top 2¼ in., at bottom ⅜ in., per doz. **JIJ** $1.50

ONE DOZEN IN A BOX.

COMBINATION LEMONADE SHAKER AND LEMON REAMER.



No. 2632—Polished finish, has strainer and lemon juice extractor inside which also will act as an egg breaker, capacity 21 oz., height 8½ in., diameter on top 3¼ in., per doz. **AJHJ** $18.00

LEMONADE SHAKERS.



No. 1535—Full polished, height 6 in., per doz. **DBJ** $7.00

ONE DOZEN IN A BOX.

SALT AND PEPPER SHAKERS.



No. 1521—Satin finished and polished, self-righting, loaded at base, height 2⅞ in., diam. at base 1¼ in., at center 2 in. .....per dozen pairs **AEJ** $2.50

No. 1522—Satin finished and polished, self-righting, loaded at base, height 2¼ in., diam. at base 1 in., at center 1½ in. ...per dozen pairs **AJJ** $1.70

Being loaded at base, they are thus prevented from tipping over and spilling contents. Should they fall over, they immediately right themselves.

ONE PAIR IN A PASTEBOARD BOX.



No. 2351—Satin finished, polished top and polished etched bands, height 3⅛ in., diameter 2½ in., per dozen pairs .....**CFJ** $6.00

Suitable for kitchens and camps.

ALUMINUM NOVELTIES AND SPECIALTIES.

Made from First Quality Pure Aluminum.

SCOOPS.



No. 2878—Bowl shape, length 5⅞ in., width 3 in., depth 1½ in., acid finish, per dozen .....**AHJ** $3.00

No. 2879—Same as above, length 7⅛ in., width 3⅝ in., depth 1¾ in., per dozen .....**BGJ** $4.50

ONE DOZEN IN A BOX.

WATER PITCHER WITH ICE BRIDGE.



No. 2755—2 qt., extra heavy metal, beaded rim, strong and substantial, will not rust.....per dozen **CCEE** $55.95

No. 2757—3 qt., otherwise same as No. 2755 .....per dozen **DJCJ** $67.20

Suitable for hotels, cafe, bars, home use, etc.

ONE IN A BOX.

FUNNELS.



No. 2933—Strainer Funnel, polished finish outside, capacity 1 pint, diameter on top 4¾ in., diameter at bottom ⅜ in.....per dozen **BGJ** $4.50

ONE DOZEN IN A BOX.

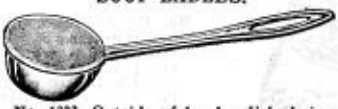
SOAP DISHES.



No. 3054—Length 4¼ in., width 3¼ in., with a separate tray insert which is perforated.....per dozen **AAJ** $1.80

ONE DOZEN IN A BOX.

SOUP LADLES.



No. 1323—Outside of bowl polished, inside satin finished, capacity ½ pt., aluminum handle, length 9 in., length over all 12½ in., per doz. **AHJ** $3.00

ONE DOZEN IN A BOX.

SOUP STRAINERS.



No. 1322—Satin finished, perforated bottom, height 2⅝ in., diam. 4 in., length 8½ in., capacity ¾ pt., per dozen .....**AJJ** $1.70

ONE DOZEN IN A BOX.

DIPPERS.



No. 1324—Extra heavy, polished, with round black enameled wood handle, capacity 1 pt., per dozen **BDJ** $4.00

No. 1325—½ pint, otherwise same as No. 1324 .....per dozen **AAE** $1.90

Will not corrode, very sanitary, strong and serviceable.

ONE DOZEN IN A BOX.

EGG TIMERS.



No. 1536—Satin finished with embossed border, size 6½x 2 in., timed to 3 minutes.....per dozen **AJJ** $1.70

ONE IN A BOX; ONE DOZEN IN A CARTON.

COMBINATION FUNNELS.



No. 2934—Consists of six parts interchangeable. The funnel as a fruit funnel or dipper holds 1 pint, as a bottle funnel 17 oz., diameter on top 5⅛ in.....per dozen **CAE** $5.25

This funnel can be used as a cup or dipper, as a fruit funnel, fruit funnel with strainer, bottle funnel with strainer and an ordinary bottle funnel.

ONE DOZEN IN A BOX.

SHAVING MUGS.



No. 2—Plain satin finished, burnished and knurled bands, height 3¼ in., diam. at top 3⅛ in., per dozen .....**EAJ** $8.50

ONE DOZEN IN A BOX.

SOAP BOXES.



No. 858—Satin finished with embossed letters, oval, size 3¼x1½x1½ in., slip cover without hinge, per dozen .....**AJJ** $1.70

ONE DOZEN IN A BOX.

MEASURING SPOONS.



No. 2575—Aluminum, measure ¼, ½ and 1 teaspoon, ...per dozen **AJJ** $1.70

ONE DOZEN IN A BOX.

MATCH SAFES.



No. 1457—Satin finished, embossed and engraved with match scratcher at bottom, size 4½x3¼ in., per dozen .....**AAE** $1.90

ONE DOZEN IN A BOX.

ALUMINUM NOVELTIES PACKED IN HOLLY BOXES.

Made from First Quality Pure Aluminum.



No. 114—7 piece Child's Set, consisting of 7 in. satin and burnished plate, 4 in. satin and burnished saucer, 2⅛ in. satin and burnished cup, engraved baby, 2⅛ in. satin and burnished napkin ring, and handsome embossed 3 piece childs' set, per dozen sets $8.00 DHJ



No. 116—Handsome embossed knife, fork and spoon, per dozen sets .....BDH $4.00

SALT AND PEPPER SETS.



No. 1524—Satin finished and polished, salt, pepper and toothpick holder, loaded at base to prevent tipping, height of salt and pepper 2⅞ in., diam. at center 2 in., height of toothpick holder 2 in., diameter at center 2 in. .....per dozen sets BDJ $4.00



No. 1523½—Satin finished and polished, self-righting, loaded at base to prevent tipping, height 2⅞ in., diam. at base 1¼ in., at center 2 in., per dozen pairs .....AGJ $2.80



No. 11—Satin finished and polished, self-righting, loaded at base to prevent tipping, height 2¾ in., diameter at center 1⅝ in., per dozen pairs .....JIE $1.60

LUNCH CASTERS.



No. 36—Satin finished caster, complete with full sized satin finished self-righting salt and pepper shaker and toothpick holder, height 4 in., diam. 4 in., per doz. sets CCJ $5.50

TABLE SETS.



No. 22—Full sized salt and pepper shakers, bottom half polished, octagon with embossed tray 4¼x3¼ in., per dozen sets .....BDJ $4.00



No. 50—Salt and pepper., 2⅝ in. high, diam. 2⅛ in., tooth pick holder 1⅝ in. high, diam. 1⅝ in., tray 9¼x3¼ in. embossed..per dozen sets BGJ $4.50

GLOVE BOXES.



No. 804—Satin finished, with hinged cover with embossed letters and polished bands, size 10½x3¼x2 in., per dozen .....DHJ $8.00

CRUMB TRAYS AND SCRAPERS.



No. 1547—Satin finished with polished high lights, high embossing on back of tray with scraper to correspond, size of tray 8⅝x8⅝ in., per dozen .....JIFJ $16.00

BON BON TRAYS.



No. 441—Satin finished, highly embossed, size 5½x5½ in., 1 in. deep, per dozen .....BDJ $4.00

INK STAND.



No. 76—Highly polished base with poppy decoration, satin finished, pen rack with poppy decoration, crystal glass ink well with embossed aluminum top, height 4 in., width 4¼ in., per dozen .....DHJ $8.00

ALL OF THE ABOVE PACKED ONE EACH OR ONE SET IN A HOLLY BOX.

ALUMINUM NOVELTIES PACKED IN HOLLY BOXES.

Made from First Quality Pure Aluminum.

MINIATURE COMBINATION CONDIMENT SET.



No. 45—Consists of Salt, Pepper and Tooth Pick Holder, all miniature size, self-righting, satin finish with parts polished, and tray of neat design, highly embossed, size of tray 3½x5½ in. .....per dozen sets **BFJ** $4.30

CHILDS' SET.



No. 113—Consists of Coffee Pot, 5¾ in. extreme height, capacity 14 oz., polished finish, wood knob and handle, ebony finish, four cups and saucers, mottled satin finish, saucer 3⅛ in. in diameter, cup 2⅛ in. diameter, per dozen sets .....**AFBJ** $27.00

CHILDS' CUPS.



No. 155—Tapering cup, diameter at top 2½ in., height 2½ in., per dozen .....**AAE** $1.90

TEA OR COFFEE STRAINER WITH DRIP.



No. 110—Extreme length 6 in., bowl measures 1⅝ in. deep, 2¼ in. diameter at top, polished finish, insides satin finish....per dozen **BDJ** $4.00

TEA BALL.



No. 2552—Egg shaped tea ball, highly polished, size 2¼x1⅞ in., per dozen .....**ADE** $2.40

PICTURE FRAME.



No. 123—Height 7½ in., width 6 in., oblong opening 3½x5 in., with glass folding easel, satin finish, parts mottled and engraved, per dozen .....**BDJ** $4.00

WALL MATCH SAFE.



No. 126—Size 6¼ in. long, extreme width 3¼ in., back oak leaf design, satin finish receptacle of acorn design, satin finish with bulge at top, polished.....per dozen **BAJ** $3.50

COMBINATION ASH TRAY.



No. 66—Satin finished and polished, has a felt bottom, is arranged for holding one box of matches, and has two cigar rests, diameter 5 in., height 2¼ in., per dozen .....**EDJ** $9.00

SHAVING SET.



No. 101—Consists of mug and brush, mug measures 3 in. high, diameter at top 3 in., at bottom 2¾ in., satin finish, ornamental engraving and knurled bands, polished at top and bottom, cast handle, length of brush 4¼ in., satin finish, high quality hair.....per dozen sets **AJHJ** $18.00

SOAP BOXES.



No. 859—Stamped "Soap," size 3¼x 2¼x1¼ in., satin finished, slip cover, heavier metal than is commonly used, per dozen .....**ACJ** $2.20

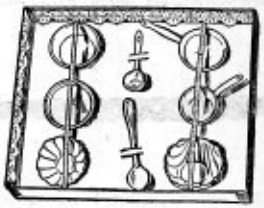
CHILDS' SETS.



No. 115—Consists of three pieces, cup, saucer and plate, satin finished, capacity of cup 3½ oz., diameter 2⅜ in., depth 1¾ in., saucer diameter 4 in. plate diameter 6⅜ in., per dozen .....**BGJ** $4.50

CHILDREN'S TOY COOKING SETS.

Children's Toy Cooking Sets, Mounted on Pink Cardboard, Each Card Placed in a Satin Finished Brown Box, with Paper Lace Edging.



No. 3270.

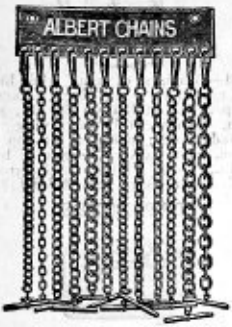
No. 3270—8 pieces, consisting of pure aluminum satin finished 2⅛ in. pie plate, 2⅛ in. muffin mould, 2⅛ in. pudding pan, 2 in. skillet, 1⅝ in. stew pan, 2⅛ in. jelly mould, 3 in. ladle and 4¼ in. spoon, per dozen sets .....**BDJ** $4.00

No. 3271—12 pieces, consisting of pure aluminum satin finished 2⅛ in. pie plate, 2⅛ in. muffin mould, 2⅛ in. pudding pan, 2 in. skillet, 1⅝ in. stew pan, 2⅛ in. jelly mould, 3 in. ladle, 4¼ in. spoon, 2¾ in. cake pan, 1¾ in. Berlin kettle, 3 in. dish pan, and 2½ in. covered roaster, per dozen sets .....**DHJ** $8.00

ALL OF THE ABOVE ONE EACH OR ONE SET IN A HOLLY BOX.

WATCH AND KEY CHAINS, ETC.

WATCH CHAINS.



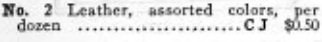
No. 6—"Albert," steel, nickel plated and polished, length 11 in., 6 patterns, assorted .....per card **EJ** $0.80
ONE DOZEN ON A CARD. WE DO NOT BREAK CARDS.



No. 10—Expansion, solid German silver, finest piano wire springs, nickel plated .....per dozen **BDJ** $4.00
ONE DOZEN ON A CARD.



No. 2 Leather, assorted colors, per dozen .....**CJ** $0.50

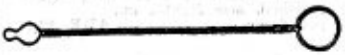


No. 177—Leather, assorted colors, with hand engraved aluminum charm, per dozen ..... **EJ** $0.70
No. 104—Genuine alligator, with hand engraved aluminum charm, per dozen ..... **FE** $0.80
ONE DOZEN ON A CARD.

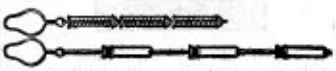
KEY CHAINS.



No. 33—Expansion, nickel plated piano spring wire coil, German silver caps, button loop, length closed 13½ in., expanded 23 in., per doz. **JIJ** $1.50



No. 22—Expansion, nickel plated piano spring wire coil, covered with German silver tubes and caps, button loop, length closed 13½ in., expanded 23 in., per dozen .....**BAE** $3.60



Showing Three Links, Closed and Extended.

No. 1—Expansion, solid German silver, finest piano wire springs, nickel plated .....per dozen **BDJ** $3.60

It is a long and a short key chain in one. When expanded it is 23 inches long; when closed only 14 inches long. Springs guaranteed absolutely not to break or weaken.

ONE DOZEN IN A BOX.



Nos. 3, 1GB, 32. Washburn Fastener.

No. 1GB—Solid gold bronze, clover leaf loop and split key ring, length 19 in., per dozen ..... **JIJ** $2.00

No. 3—Aluminum, length 20 in., one end as loop for suspender button and other end as a 1 in. split key ring, per dozen .....**JGJ** $1.20

No. 1GBW—Solid aluminum links, Washburn fastener and nickel plated key ring, length 18 in., per dozen ..... **JIE** $2.50

No. 32—Switchmen's, steel, nickel plated, with 1 in. split key ring, length 32 in. ...per dozen **JIE** $1.60

ONE DOZEN ON A DISPLAY CARD.

KEY CHAINS.



No. 11N. No. 5.

No. 11N—Bright wire chain, clover leaf loop and nickel plated key ring, length 19 in.....per dozen **EJ** $0.90
No. 11NW—Bright wire chain, nickel plated, Washburn fastener and nickel plated key ring, length 18 in., per dozen .....**JGJ** $1.40
No. 5—Aluminum, with patent hook, length 20 in....per dozen **JGJ** $1.20

NOS. 11N AND 5, ONE DOZEN ON A CARD; NO. 11NW ONE IN A BOX; ONE DOZEN IN A CARTON.



No. 2—Nickel plated steel wire, button loop and split key ring, assorted lengths, 16 to 20 in., per dozen .....**JGJ** $1.20



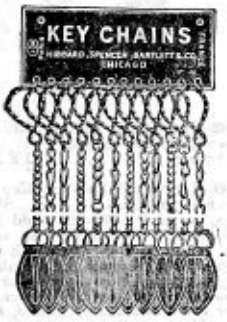
No. 717—Nickel plated steel chain, assorted styles of links, fancy split key ring, leather loop, length 19 in., per dozen .....**JIJ** $1.50
ONE DOZEN ON A DISPLAY HOLDER.

KEY CHAINS, CHAINELETTES AND HOOKS.

KEY CHAINS.



No. 701—Nickel plated steel chain, leather loop, spring snap, assorted styles, length 19 in.....per dozen **ABJ** $2.00



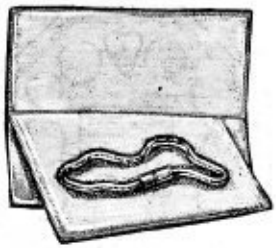
No. 711—Nickel plated steel chain, assorted styles, leather loop, nickel plated key ring, length 19 in., per dozen .....**BAJ** $3.50



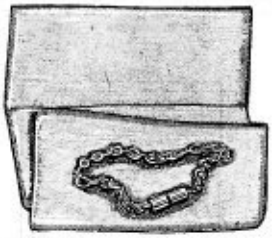
No. 740—Silver plated steel chain, leather loop, spring snap, assorted styles, length 20 in.....per dozen **BAJ** $3.50

ONE DOZEN ON DISPLAY HOLDER.

KEY CHAINELETTES.



No. 95—Foxtail, German silver, silver plated, length open 5½ in., length closed 2½ in., per dozen **CDJ** $5.70



No. 96—Curb Link, German silver, silver plated, length open 6 in., length closed 3 in. ....per dozen **CDJ** $5.70

The special feature of the chainelette is the flexible chain on which the keys lie flat; so that they will not bunch in the pocket.

After putting on the keys the parts of the barrel lock are screwed together tightly. The barrel lock will pass through the eye of any key and, being double swivel, will not unlock itself. This is a beautiful article.

ONE IN A CANTON FLANNEL PAD, WRAPPED IN A SEALED TISSUE PAPER.

SAFETY KEY RING HOOKS.



No. 64—Butlers, made of best spring metal, extra heavy nickel plating, each hook complete with key ring, per dozen .....**JHJ** $1.30

Operation of Butlers Safety Key Ring.

Place key ring in proper place; then take ring and lay it in top opening as if you were to put it in proper place then pull to one side.

ONE DOZEN ON A DISPLAY CARD.

KEY HOOKS.



No. 01—Ricker's, heavy brass, nickel plated, adapted for attaching to belt of trousers to carry a bunch of keys on a key ring, each hook complete with nickel plated split key ring, per dozen .....**JIJ** $1.50

No. 65—Light brass, nickel plated, adapted for attaching to belt of trousers, complete with 1½ in. heavy nickel plated split key ring, per dozen .....**JHJ** $1.30

No. 66—Heavy nickel plated on tempered steel, complete with 1 in. nickel plated key ring, per dozen **DJ** $0.70

ONE DOZEN ON A DISPLAY CARD. WE DO NOT BREAK CARDS.



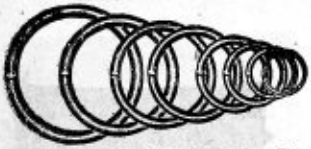
No. 20—Tite-On, heavy nickel plated hook with patent clasp that grips tight, adapted for attaching to belt of trousers, to carry a bunch of keys, each hook complete with nickel plated split key ring, per dozen **JEJ** $1.60

The special features of the Tite-On key holders are the patent clasp, by means of which the hook cannot be pulled off, and the extra tongue which keeps the key ring in place and prevents it from dropping out.

ONE DOZEN ON A DISPLAY BOARD.

KEY RINGS.

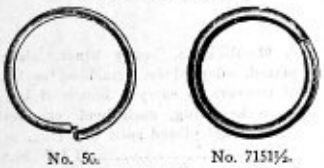
SPLIT KEY RINGS.



Polished Steel, for Manufacturing Purposes, in Bulk.

Nos.	06	39	02	53	12
Diam., in.	½	⅝	¾	⅞	1
Per gross	$0.60	.75	1.10	1.40	1.60
	CE	DE	JFE	JHE	JIE
Nos.	14	16	18	24	
Diam., in.	1⅛	1¼	1⅜	2	
Per gross	$2.00	2.40	3.00	12.00	
	ABJ	ADE	AHJ	JGBJ	

ONE GROSS IN A BOX.



No. 50. No. 7151½.

No. 50—"The Only Key Ring," extra strong, 1¼ in. round, full nickel plated with patent safety catch, per dozen .....JCJ $0.80

No. 7151½—Split, nickel plated, beveled, assorted sizes ..per dozen JCJ $1.20

ONE DOZEN ON A CARD.



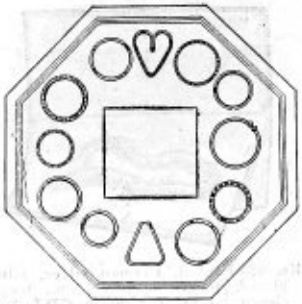
No. 150. No. 530.

No. 150—Twentieth Century, round, ¾ in. split, highly polished, per dozen .....JBE $1.00

No. 530—Round, split, nickel plated, assorted sizes, per dozen JCJ $1.40

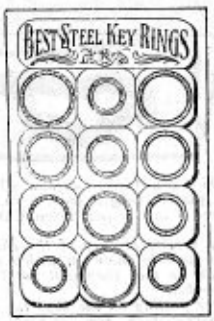
ONE DOZEN ON A CARD.

KEY RINGS.



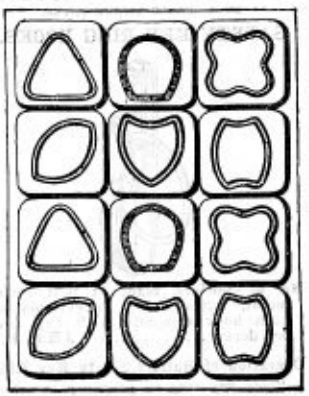
No. 100—Nickel plated, assorted sizes and styles .....per dozen JCJ $1.20

ONE DOZEN ON A CARD.



No. 548—Nickel plated, split, assorted sizes and styles, per doz. JCJ $1.20

ONE DOZEN ON A CARD.



No. 560—Nickel plated, assorted sizes and styles.....per dozen JCE $2.00

ONE DOZEN ON A CARD.

KEY RINGS.



No. 440. No. 15.

No. 440—Highly polished, 1¼ in. long, per dozen .....CJ $0.80

ONE DOZEN ON A CARD.

No. 15—Gipe's, flexible, solid German silver link chain, per doz. JFJ $1.00

No plating to peel off and no rusting. The sliding lock makes it easy to put on or detach keys.

ONE DOZEN ON A CARD.



No. 48—Individual, nickel plated steel, securely locked chain, per dozen .....JEJ $1.20

No. 49—Individual Emblem Key Rings, assorted emblems, 2 each, Shriners, Elks, K. of P., Masons, Odd Fellows and plain shield, otherwise same as No. 48.....per dozen JEJ $1.20

A great convenience for a night latch, saving time and annoyance of searching through the bunch for this particular key.

The chain is securely locked, it being impossible to pull it apart. It can be removed from either end by pressing down individual part of loop and slipping the loop in either direction through the slide.

ONE DOZEN ON A CARD.

TRIPLETS.



No. 11—Triplet, combination key holder, cigar box opener, bottle cap remover, screw driver, prestolite gas tank key and paper cutter, nickel plated, per dozen .....JIJ $1.50

ONE DOZEN ON A DISPLAY CARD.

EYE PROTECTORS, GOGGLES, ETC.

GOGGLES.



Especially Adapted for Mechanics' Use.

No. 650—Albex, nickel plated frame, with easy cable riding bows, wire screen sides, large amber lenses, 1¾ in. in diameter,
per dozen .....JIFJ $16.00

No. 650½—With clear lenses, otherwise same as No. 650,
per dozen .....JIFJ $16.00

ONE IN A STEEL CASE.



No. 26—Aluminum cups, with ventilating holes, fitted with 1⅝ in. clear glass lenses, set in leather frame with elastic cord....per dozen AJJ $1.60

No. 27—With smoked lenses, otherwise same as No. 26, per doz. AAJ $1.80



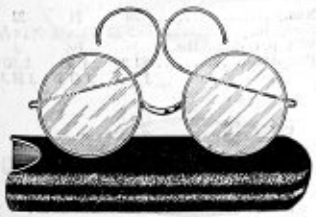
Non-Strain.

No. 284—For engineers, firemen, auto-drivers, with full vision non-strain, clear white removable glasses, special adjustment aluminum frame which can be fitted perfectly to contour of the face, genuine leather lined, with silk chenille binding,
per dozen .....JFJJ $10.00

No. 284 can b supplied with smoked and blue lenses for factory shipment only.

ONE-HALF DOZEN IN A BOX.

AMBER DRIVING SPECTACLES.



No. 901—Nickel plated frame, with flexible cable riding bows, extra large amber lenses 2 in. in diameter, packed one each in a strong leatherette covered spectacle case,
per dozen .....BAJ $3.50

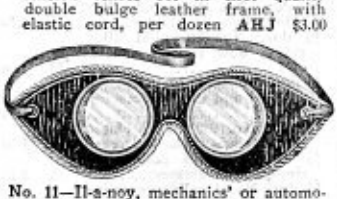
GOGGLES.



No. 600—Albex, nickel plated frame, with flexible cable riding bows, soft leather shields, special nose bridge which allows the protector to fit the contour of any face, extra large lenses, 2 in. in diameter, packed one each in a plush lined, spring back, leatherette covered metal case, per dozen .....JHBE $13.50



No. 36—Double Bulge, oval glass extension lenses set in first quality double bulge leather frame, with elastic cord, per dozen AHJ $3.00



No. 11—Il-a-noy, mechanics' or automobile, large, genuine leather mask, extra quality velvet binding, full size aluminum eye cups, extra quality elastic band.....per dozen BJJ $3.60

No. 111—Il-a-noy, with smoked lenses, otherwise same as No. 11,
per dozen .....CJJ $5.00

ONE-HALF DOZEN IN A BOX.

FOLDING GOGGLES.



No. 700—Albex, silver plated frames, flexible cable riding bow, amber lenses, fine quality, ground and polished .....per dozen AFBJ $27.00

EACH PAIR PACKED IN A HANDSOME SEAL GRAIN CASE.

GOGGLES.



No. C1—Zylbex, fine quality imitation tortoise shell frame, high grade 1⅞ in. amber lenses, soft leather sides, gilt alloy cable riding bow temples, made to fit any face, per doz. JIJJ $15.00

Can be worn over other glasses. For motoring, boating, fishing and golfing.

ONE PAIR IN A NEAT CLOTH COVERED STEEL CASE.



No. C21—Zylbex, fine quality imitation tortoise shell frame, high grade amber lenses, gilt alloy cable riding temples .....per dozen JFCJ $10.50

For all sports where the eyes need protection from the wind and glare.

ONE PAIR IN A NEAT BOX.



No. C50—Universal, rust proof white metal, riding bow temples, high grade amber lenses, 1⅞ in. diameter, per dozen .....DBJ $7.00

ONE PAIR IN A HINGED COVERED BOX.

SPECTACLES, CURLING IRONS, MAGNETS, ETC.

SPECTACLES.



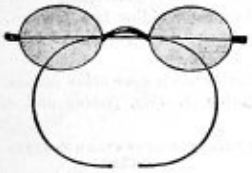
Straight Temple.

No. 600½—Nickel plated frame, common convex lenses, per dozen .....**JIJ** $1.50

No. 500½—Nickel plated frame, medium convex lenses, per dozen **AEE** $2.60

No. 100—German silver frame, extra convex lenses, large white, per dozen .....**BDJ** $4.00

No. 150—Gilt alloy frame, extra convex lenses large white, per dozen .....**BDJ** $4.00



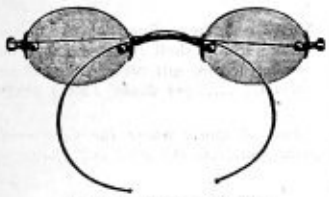
Riding Bow.

No. 407½—Nickel plated frame, extra convex lenses, per dozen **AGJ** $2.80

No. 107—German silver frame, extra convex lenses, large white, per dozen .....**BDJ** $4.00

No. 157—Gilt alloy frame, extra convex lenses, large white, per dozen .....**BDJ** $4.00

No. 603½—Nickel plated frame, assorted smoked and blue lenses, per dozen .....**AHJ** $3.00



Rimless, Riding Bows.

No. 710—Gold alloy mountings, superior convex lenses, per dozen **CFJ** $6.00

ONE DOZEN ASSORTED LENSES IN A BOX.

EYE GLASSES.



Rimless.

No. 950—White metal mounting, offset nose guard, large white lenses, per dozen .....**AHJ** $3.00

No. 955—Gilt alloy mountings, offset nose guard, large white lenses, per dozen .....**BAJ** $3.50

ONE DOZEN IN A BOX.

SPECTACLE ASSORTMENT.



No. 12 Assortment—Containing 3½ doz. spectacles, 1 doz. eyeglasses, 3 doz. spectacle cases, ½ doz. eye glass cases, total retail value $21.00, complete with handsome glass top counter case containing 12 plush top display boxes ....per assortment **ADEJ** $24.00

	Retail Value.
½ doz. No. 600 nickel plated straight temple spectacles, each $0.15	$0.90
½ doz. No. 500½ nickel plated straight temple spectacles, each ..... .20	1.20
½ doz. No. 150 gold alloy straight temple spectacles, each ..... .35	2.10
½ doz. No. 107 solid nickel silver spectacles.....each .25	1.50
½ doz. No. 157 gold alloy riding bow spectacles..each .35	2.10
½ doz. No. 710 gold alloy riding bow rimless spectacles .....each .50	3.00
½ doz. No. 603½ nickel plated smoked and blue spectacles, each ..... .25	1.50
½ doz. No. 950 nickel plated rimless eye glasses.....each .25	1.50
½ doz. No. 955 gold alloy rimless eye glasses.....each .35	2.10
½ doz. No. 1 eclipse genuine kid covered eye glass cases, each ..... .25	1.50
1½ doz. No. 60 leatherette straight temple spectacle cases .....each .10	1.80
1½ doz. No. 65 leatherette riding bow spectacle cases, each ..... .10	1.80

RESPIRATORS.



No. 80—Cover's Automatic, made of pure white rubber perforated front, with antiseptic first quality sponge, automatic valve on the side so constructed that the air is drawn in through the sponge, and discharged through the valve, broad elastic head band.....per dozen **AFJJ** $27.00

CASES.



No. 1—Eyeglass case, 1¾x4 in., metal, covered with genuine kid, plush lined, fits any size eyeglass, per dozen .....**BAE** $3.60

No. 2—Riding bow spectacle case, fits any size riding bow spectacles, 2¾x5 in., otherwise same as No. 1, per dozen .....**BDJ** $4.00



No. 60—Straight temple spectacle case, leatherette covered, flannel lined, per dozen .....**DE** $0.70

No. 65—Riding bow spectacle case, leatherette covered, flannel lined, per dozen .....**DE** $0.70

ONE DOZEN IN A BOX.

CURLING IRONS.

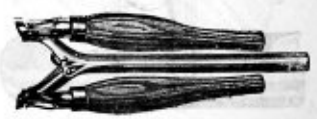


Polished Steel, Not Plated, Polished Wood Handles.

Nos.	10	11	12
Size, in.	6x5-32	7¼x¼	9¼x⅜
W't per doz., lbs...	¾	2	3¾
Per dozen	$0.60	.80	1.00
	EJ	**EE**	**JFE**

Polished Steel, Antique Oak Handles.

Nos.	20	21	22
Size, in.	6x5-32	7¼x¼	9¼x⅜
W't per doz., lbs...	¾	1½	3
Per dozen	$1.20	1.35	1.50
	JFJ	**JGJ**	**JHJ**



No. 60—Tourist, polished steel, 9x¼ in., folded 4x5½ in., antique oak handles, w't per doz. 2 lbs., per dozen .....**AAJ** $2.00

ONE DOZEN IN A BOX.

CORK SCREWS.



No. 40—3½ in., white-wood handle, tinned wire screw, wood protecting case, w't per doz. 1-lb., per dozen.....DJ $0.70

ONE DOZEN IN A BOX.



No. 77—5¾ in. in case, 4½ in. out of case, strong tinned wire screw, white hardwood protecting case which also serves as a handle, w't per doz. 1¾ lbs., per dozen.....JFJ $1.00

No. 78—Black hardwood protecting case, otherwise same as No. 77, per dozen .....JFJ $1.00

ONE DOZEN IN A BOX.



No. 241—2½ in. closed German, steel, spiral screw, small, w't per doz. ¾ lb., per dozen.....JHJ $1.30

No. 241½—2¾ in. closed, German, steel, spiral screw, medium, w't per doz. 1 lb., per dozen.....JIJ $1.50

ONE DOZEN IN A BOX.



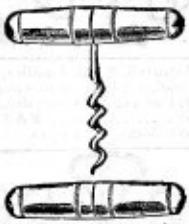
No. 10—3¼ in. closed, twisted wire spiral screw, nickel plated and polished, nickel plated case, small, w't per doz. ½ lb., per dozen..AAJ $1.80

ONE DOZEN IN A BOX.



No. 17—4 in., tempered steel wire, nickel plated white-wood handle, w't per doz. ¾ lb.....per dozen AEJ $2.50

ONE DOZEN IN A BOX.



No. 270—Pocket, 2¾ in. closed, wire spiral screw, nickel plated barrel case, w't per doz. ¾ lb., per dozen.....AHJ $3.00

ONE DOZEN IN A BOX.



No. 243½ — Walker's, 5⅝ in., convex screw, polished steel, maple handle, large, w't per doz. 2¼ lbs., per doz. BDJ $4.00



No. 16—Walkers' Self-pulling, length 6 in., with bottle opener and wire cutter, a combination that will open all bottles, made of special steel, carefully tempered, nickel plated, polished maple handle, w't per doz. 3 lbs., ...per dozen BDJ $4.00

Will not cut or pull through the cork.

ONE IN A CARTON; ONE DOZEN IN A BOX.

COMBINATION CORK SCREW, CROWN AND SEAL OPENER.



No. 64—Pocket, length 4¼ in., nickel plated, steel screw and handle, with varnished white wood protecting case, w't per doz. 12 oz., per dozen .....JFJ $1.40

TWO DOZEN ON AN EASEL DISPLAY CARD.

WE DO NOT BREAK CARDS.

★*FOR FACTORY SHIPMENT ONLY.*



No. 6152—4½ in., forged steel, large round shank, with wire cutter and bottle opener, white-wood handle, w't per doz. 1¼ lbs..per dozen BDJ $4.00

ONE DOZEN IN A BOX.



No. 56—Walker's, 5¼ in., heavy cast steel, convex screw, nickel plated, will not cut or pull through cork, wire cutter and crown opener, w't per doz. 3 lbs.....per dozen CJJ $5.00

ONE-HALF DOZEN ON A CARD.

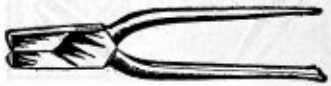
CHAMPAGNE TAPS.



No. 2100—Nickel plated brass, length 4¼ in., w't per doz. 2 lbs., per dozen.....JIJJ $15.00

ONE-HALF DOZEN IN A BOX.

CHAMPAGNE NIPPERS.

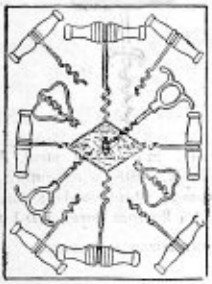


No. 2000—Forged steel, nickel plated, length 6½ in., w't per doz. 3½ lbs., per dozen★ .....JGBJ $12.00

ONE-HALF DOZEN IN A BOX.

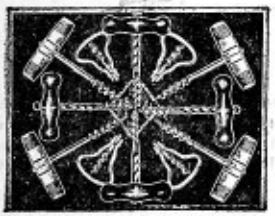
CORK SCREWS AND PULLERS.

CORK SCREWS.



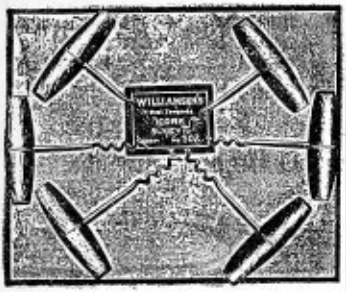
No. 425—Tempered steel wire, 8 assorted color wood, and 4 all metal handles, w't per doz. ¾ lb.
per dozen .....**EE** $0.90

ONE DOZEN ON A CARD.



No. 435—Eight assorted color wood handles, with nickel plated wire cork screws, four Delmonico nickel plated folding cork screws, all good quality steel, w't per doz. 1 lb.,
per dozen.....**AAJ** $1 80

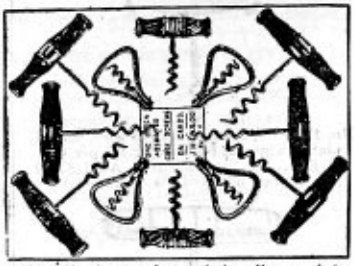
ONE DOZEN ON A CARD.



No. 502—Forged steel, nickel plated spiral screws, maple handle, w't per doz. 1 lb. .....per dozen **ABJ** $2.00

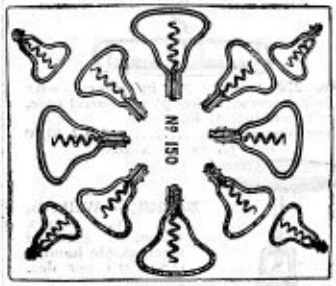
ONE-HALF DOZEN ON A CARD.

CORK SCREWS.



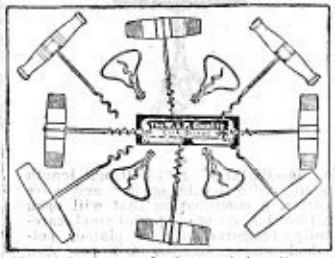
No. 501—Assorted, 8 oak handles, and 4 folding, nickel plated tempered steel wire spiral screws, w't per doz. 1 lb., per dozen .....**BAJ** $3.50

ONE DOZEN ON A CARD.



No. 150—Delmonico, spiral coil, nickel plated, assorted, small, medium and large, w't per doz. ¾ lb.,
per dozen.....**ABJ** $2.00

ONE DOZEN ON A CARD.



No. 450—Assorted, 8 wood handles, 2 beech, 4 boxwood, 2 oak, 4 nickel plated folding tempered steel wire, spiral screws....per dozen **AEJ** $2.50

ONE DOZEN ON A CARD.



A simple and effective pocket cork screw of great lever power. Besides pulling any cork with the greatest ease this pensable in cap removing and wire cutting.

No. 200—Universal, lever extractor, wrought steel, finely nickel plated with cap remover and wire cutter, w't per doz. 1¼ lbs.....per dozen **BDJ** $4.00

ONE DOZEN ON A CARD; THREE DOZEN IN A BOX.

CORK PULLERS.



No. 35—Yankee, nickel plated, convex tool steel screw, adjustable cone bearing nut, solid metal handle, can be attached to wall, w't per doz. 26 lbs., per dozen
★**AHJJ** $24.00

Extra Cork Screws, each ★....**CF** $0.60

Invaluable as a household article, and eliminates all danger of cutting the hands by breaking of bottle.

ONE IN A BOX, WITH SCREWS.

With a slight pressure on the handle of the clasp, the bottle is firmly held in position while cork is being drawn, which prevents all possibility of injury to the operator. Wires are cut when cork is pulled.



No. 26—Walker's "Quick and Easy," nickel plated, with rubber cushioned bottle clasp attachment, w't 10 lbs., each. ★.....**CCJ** $5.50
Extra Cork Screws.★...each **CF** .60

ONE IN A WOOD BOX.



No. 30—Phoenix, nickel plated and polished, steel cork screw, polished ebonized handle, w't 4¼ lbs.,
Each★ .....**BBJ** $3.00
Extra Cork Screws ★....each **CF** .60

With a slight pressure on the handle of the clasp, the bottle is firmly held in position while cork is being drawn, which prevents all possibility of injury to the operator. Cork can be reinserted, if desired, to any depth.



No. 45—Daisy, nickel plated and polished, steel cork screw, polished ebonized handle, with adjustable bottle holder and wire cutter, w't 8 lbs., each★ .....**CFE** $6.00
Extra Cork Screws ★....each **CF** .60

★*FOR FACTORY SHIPMENT ONLY.*

SPECIAL STAMP SILVER PLATED KNIVES AND FORKS.

Goods to be stamped with customer's name and address, no order for less than one gross; either assorted or one kind will be accepted. These goods are made up at the factory after order is received.

GOODS PRICED BELOW GUARANTEED 12 DWTS. OF PURE SILVER TO EVERY DOZEN MEDIUM KNIVES AND FORKS.

14 dwt. goods can be furnished at an advance of 50c list per dozen on the prices below.
16 dwt. goods can be furnished at an advance of $1.00 list per dozen on the prices below.

JUMBO HANDLE KNIVES AND FORKS.

Knives Are Made of the Finest Crucible Steel, Forks Are High Grade Nickel Silver and Have Four Times.



Burnished Round End Handles, Full Triple Plated.

No. 1102—6 medium knives and 6 forks to match.. .. .. per set CJJ $5.00

No. 1105—6 dessert knives and 6 forks to match.. .. .. per set BIJ 4.80



Burnished Round End Handles, Scimeter Swaged Blades, Full Triple Plated.

No. 1107—6 medium knives and 6 forks to match .. .. per set CAJ $5.20

No. 01105—6 breakfast knives and 6 forks to match..... per set CAJ 5.20



Burnished Windsor Handles, Scimeter Swaged Blades, Full Triple Plated.

No. 1110—6 medium knives and 6 forks to match.. .. ..per set CJJ $5.00

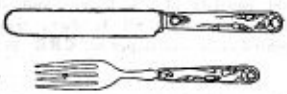
JUMBO HANDLE KNIVES AND FORKS.

Knives Are Made of the Finest Crucible Steel, Forks Are High Grade Nickel Silver and Have Four Times.



Shell Satin Handles, Scimeter Swaged Blades, Full Triple Plated.

No. 1123—6 medium knives and 6 forks to match.. .. ..per set CAJ $5.20



French Gray Handles, Scimeter Swaged Blades, Full Triple Plated.

No. 1134—Violet pattern, 6 medium knives and 6 forks to match, per set .. ..CFJ $6.00

HOLLOW HANDLE KNIVES AND FLAT FORKS.

Knife Blades Are Made From Finest Crucible Steel, Knife Handles and Forks Are High Grade Nickel Silver and Forks Have Four Times.



Full Triple Plated.

No. 1151—Violet pattern, hollow handle, medium knives, French gray finished, per dozen.. .. ..JIFJ $16.00

No. 1152—Violet pattern, medium flat forks, French gray finished, per dozen .. ..EDJ 9.00



No. 1161—Classic pattern, medium hollow handle knives, bright, per dozen .. ..JIFJ $16.00

No. 1162—Classic pattern, medium flat forks, bright.. .. .. .per dozen EDJ 9.00

THE ABOVE GOODS ALL PACKED IN NEAT CLOTH LINED RACK BOXES.

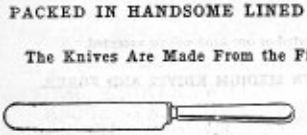
MAIL ORDER DEPARTMENT

Our constant attention in sixty years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

SILVER PLATED KNIVES AND FORKS.

PACKED IN HANDSOME LINED RACK BOXES. ONE-HALF DOZEN KNIVES OR FORKS IN A BOX—ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

The Knives Are Made From the Finest Crucible Steel, the Forks Are High Grade Solid Nickel Silver and Have Four Tines.



Burnished Round End Handles.

No. 1200—Medium knives, 12 dwt., triple plated ..per dozen CCJ $6.10

No. 1201—Medium forks, 12 dwt., triple plated .....per dozen CCJ $6.10

No. 1202—Medium knives and forks, set consists of six No. 1200 knives and six No. 1201 forks, as described above .....per set CCJ $6.10

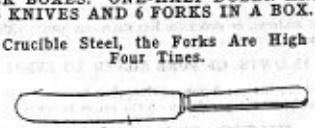
No. 1242—Medium knives and forks, set consists of six knives and six forks to match, all 16 dwt. quadruple plated, per set .....CHJ $7.00

No. 1272—Medium knives and forks, set consists of six knives and six forks, to match, all 20 dwt. quintuple plated, per set .....DEJ $8.33



Burnished Windsor Handles.

No. 1210—Medium knives and forks, set consists of six knives and six forks, to match, all 12 dwt., triple plated, per set .....CCJ $6.10



Burnished Round End Handles.

MEDIUM KNIVES AND FORKS.

No. 1206—Medium knives, 12 dwt., triple plated, scimeter swaged, per dozen .....CDJ $6.33

No. 1207—Medium knives and forks, set consists of six No. 1206 knives and six forks to match, all 12 dwt., triple plated .....per set CCE $6.22

BREAKFAST KNIVES AND FORKS.

No. 01205—Breakfast knives and forks, set consists of six knives and six forks to match, all 12 dwt., triple plated .....per set CBE $6.00

MEDIUM KNIVES AND FORKS.

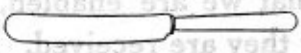
No. 1247—Medium knives and forks, set consists of six knives and six forks to match, all 16 dwt., quadruple plated, per set .....CHE $7.10

No. 1277—Medium knives and forks, set consists of six knives and six forks, to match, all 20 dwt., quintuple plated, per set .....DEE $8.44



Shell Satin Handles.

No. 1223—Medium knives and forks, set consists of six knives and six forks, to match, all 12 dwt., triple plated, per set .....CDJ $6.33



No. 01207—Medium knives and forks, 12 dwt., triple plated, set consists of six plain scimeter swaged knives and six forks to match, all 12 dwt., triple plated, burnished, round end handles, per set .....CCE $6.22



Medium Knives and Forks in Wood Boxes.

No. 1202C—Consists of one set of No. 1202 knives and forks in wood box, per set .....CFJ $6.66
No. 1210C—Consists of one set of No. 1210 knives and forks in wood box, per set .....CFJ $6.66
No. 1212C—Consists of one set of No. 1212 knives and forks in wood box, per set .....CFJ $6.66
No. 1207C—Consists of one set of No. 1207 knives and forks in wood box, per set .....CFE $6.76
No. 1217C—Consists of one set of No. 1217 knives and forks in wood box, per set .....CFE $6.76
No. 1434C—Consists of one set of No. 1434 Heather knives and forks in wood box .....per set DBJ $7.76
No. 1234C—Consists of one set of No. 1234 Pilgrim knives and forks in wood box .....per set DBJ $7.76
No. 1254C—Consists of one set of No. 1254 Ivanhoe knives and forks in wood box .....per set DBJ $7.76

JUMBO HANDLE KNIVES AND FORKS.



Knives Are Made From Finest Crucible Steel. Forks Are High Grade Nickel Silver and Have Four Tines.

No. 1234—Pilgrim, medium knives and forks, set consists of six knives and six forks to match, all 12 dwt., triple forks, set consists of six knives and plated .....per set CIJ $7.22
No. 1235—Pilgrim, dessert knives and forks, set consists of six scimeter swaged knives and six forks to match, all 12 dwt., triple plated, French gray .....per set CHJ $7.00
No. 1238—Pilgrim, medium knives and forks, set consists of six knives and six forks to match, all 16 dwt., quadruple plated.....per set DEJ $8.33

JUMBO HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.

No. 1236—Pilgrim, medium knives and forks, French gray, set consists of six scimeter swaged knives, 12 dwt., triple plated, and six A1 flat spoon handle forks, four tines, per set .....DBJ $7.78

EVERY PIECE OF SILVER PLATE BEARING THE TRADE MARK GUARANTEED TO GIVE PERFECT SATISFACTION AND UNCONDITIONALLY WARRANTED.

SILVER PLATED WARE.

PACKED IN HANDSOME LINED RACK BOXES. ONE-HALF DOZEN KNIVES OR FORKS IN A BOX—ONE SET 6 KNIVES AND 6 FORKS IN A BOX.



No. 1254.

Knives Are Made From Finest Crucible Steel, Forks Are High Grade Nickel Silver and Have Four Tines.

No. 1254—Ivanhoe, medium knives and forks, set consists of six scimeter swaged knives and six forks to match, all 12 dwt., triple plated, per set .....**CIJ** $7.22

No. 1255—Ivanhoe, dessert knives and forks, set consists of six scimeter swaged knives and six nickel forks to match, all 12 dwt., triple plated, French gray .....per set **CHJ** $7.00

No. 1258—Ivanhoe, medium knives and forks, set consists of six scimeter swaged knives and six forks to match, all 16 dwt., quadruple plated, per set .....**DEJ** $8.33



No. 1433.

Knives Are Made of the Finest Crucible Steel, Forks Are High Grade Nickel Silver and Have Four Tines.

No. 1433—Heather, medium knives, 12 dwt., triple plated, French gray, scimeter swaged ..per dozen **CIJ** $7.22

No. 1434—Heather, medium knives and forks, set consists of six No. 1433 knives and six forks to match, all 12 dwt., triple plated, French gray, per set .....**CIJ** $7.22

No. 1435—Heather, dessert knives and forks, set consists of six scimeter swaged knives and six forks to match, all 12 dwt., triple plated, French gray .....per set **CHJ** $7.00

No. 1438—Heather, medium knives and forks, set consists of six scimeter swaged knives and six forks to match, all 16 dwt., quadruple plated, French gray .....per set **DEJ** $8.33

JUMBO HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1436—Heather, medium knives and forks, set consists of six scimeter swaged knives, 12 dwt., triple plated, and six A1 spoon-handle forks, French gray .... .per set **DBJ** $7.78

HOLLOW HANDLE KNIVES AND FORKS.

Knife Blades Are Made From Finest Crucible Steel, Knife Handles and Forks Are High Grade Nickel Silver and Forks Have Four Tines.



No. 1320.

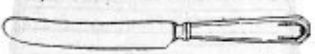
No. 1320—Pilgrim, medium knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JIFJ** $17.78
No. 1321—Pilgrim, medium forks, 16 dwt., quadruple plated, French gray, per dozen .....**JIJJ** $16.66
No. 1323—Pilgrim ,dessert knives, 16 dwt., quadruple plated, French gray scimeter swaged, per dozen .....**JHDJ** $15.55
No. 1324—Pilgrim, dessert forks, 16 dwt., quadruple plated, French gray, per dozen .....**JHAJ** $15.00
No. 1330—Pilgrim, medium knives, 20 dwt., quintuple plated, French gray, scimeter swaged, per dozen .....**AJHJ** $20.00
No. 1331—Pilgrim, medium forks, 20 dwt., quintuple plated, French gray, per dozen .....**AJBJ** $18.88
No. 1332—Pilgrim, medium knives and forks, set consists of six knives and six forks, all 20 dwt., quintuple plated, French gray, per set .....**AJEJ** $19.44

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.

No. 1327—Pilgrim, set consists of six 16 dwt. quadruple plated hollow handle knives, scimeter swaged, and six flat spoon-handle forks, 12 dwt., triple plated, French gray, per dozen .....**JGGJ** $14.22

HOLLOW HANDLE KNIVES AND FORKS.

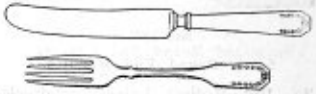
Knife Blades Are Made From Finest Crucible Steel, Knife Handles and Forks Are High Grade Nickel Silver, and Forks Have Four Tines.



No. 1350.

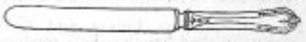
No. 1350—Ivanhoe, medium knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JIFJ** $17.78
No. 1351—Ivanhoe, medium forks, 16 dwt., quadruple plated, French gray, per dozen .....**JIJJ** $16.66
No. 1353—Ivanhoe, dessert knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JHDJ** $15.55
No. 1354—Ivanhoe, dessert forks, 16 dwt., quadruple plated, French gray, per dozen .....**JHAJ** $15.00

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1357—Ivanhoe, set consists of six 16 dwt. quadruple plated hollow handle knives, scimeter swaged, and six flat spoon-handle forks, all 12 dwt., triple plated, French Gray, per set .....**JGGJ** $14.22

HOLLOW HANDLE KNIVES AND FORKS.



Knife Blades Are Made From Finest Crucible Steel, Knife Handles and Forks Are High Grade Nickel Silver and Forks Have Four Tines.

No. 1420—Heather, medium knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JIFJ** $17.78

No. 1421—Heather, medium forks, 16 dwt., quadruple plated, French gray, per dozen .....**JIJJ** $16.66

No. 1422—Heather, dessert knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JHDJ** $15.55

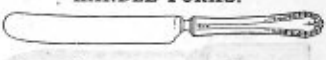
No. 1424—Heather, dessert forks, 16 dwt., quadruple plated, French gray, per dozen .....**JHAJ** $15.00

No. 1430—Heather, medium knives 20 dwt., quintuple plated, French gray, scimeter swaged, per dozen .....**AJHJ** $20.00

No. 1431—Heather, medium forks, 20 dwt., quintuple plated, French gray, per dozen .....**AJBJ** $18.88

No. 1432—Heather, medium knives and forks, set consists of six knives and six forks, all 20 dwt., quintuple plated, French gray, per set .....**AJEJ** $19.44

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1427—Heather, set consists of six 16 dwt. quadruple plated hollow handle knives, scimeter swaged, and six flat spoon-handle forks, 12 dwt., triple plated French gray, per dozen .....**JGGJ** $14.22

EVERY PIECE OF SILVER PLATE BEARING THE TRADE MARK GUARANTEED TO GIVE PERFECT SATISFACTION AND UNCONDITIONALLY WARRANTED.

"1847 ROGERS BROS." SILVER PLATED KNIVES AND FORKS.

SOLID HANDLE KNIVES AND FORKS.



No. 1600.

Solid, Round End Handles.

No. 1600—Medium knives, quadruple plated, 16 dwt., on finest crucible steel, all burnished, straight blade, per dozen .....**DJJ** $7.00

No. 1601—Medium forks, 4 tines, all nickel silver, triple plated, 12 dwt., all burnished ..per dozen **DJJ** $7.00

No. 1602—Medium knives and forks in a combination set of 6 each, No. 1600 knives and No. 1601 forks, in a lined rack box .....per set **DJJ** $7.00

No. 1617—Medium knives and forks, satin finished handles, in a combination set, consisting of 6 each of satin finish handle knives and triple plated 4 tine forks to match, in a lined rack box .....per set **DJJ** $7.00

No. 1605—Dessert knives and forks in a combination set consisting of 6 each round end handle knives and forks, in a lined rack box,
per set .....**CIJ** $6.80



No. 1606.

Scimeter Swaged, Solid Round End Handles.

No. 1606—Medium knives, quadruple plated on finest crucible steel, all burnished .....per dozen **DBE** $7.40

No. 1601 medium forks match No. 1606 medium knives.

No. 1607—Medium knives and forks in a combination set consisting of 6 each No. 1606 knives and No. 1601 forks in a lined rack box, per set **DAE** $7.20

No. 1628—Dessert knives and forks in a combination set consisting of 6—16 dwt. quadruple plated knives and 6 12 dwt. triple plated forks to match, in a lined rack box,
per set .....**DJJ** $7.00



Windsor Pattern, Solid Handles.

No. 1610—Medium knives and forks in a combination set consisting of 6 each of knives and forks in a lined rack box .....per set **DJJ** $7.00

SOLID HANDLE KNIVES AND FORKS.



No. 1621.

Shell Pattern, Satin Finish, Solid Handles.

No. 1621—Medium knives, quadruple plated, 16 dwt., on finest crucible steel, straight blade,
per dozen .....**DAE** $7.20
No. 1622—Medium forks, 4 tines, all nickel silver, triple plated, 12 dwt., per dozen .....**DAE** $7.20
No. 1643—Dessert knives, triple plated, 12 dwt., on finest crucible steel, straight blade, per dozen **DJJ** $7.00
No. 1644—Dessert forks, 4 tines, all nickel silver, triple plated, 12 dwt., per dozen .....**DJJ** $7.00



Vintage Pattern, French Gray Finish, Solid Handles.

No. 1684—Medium knives, quadruple plated, 16 dwt., on finest crucible steel, straight blade,
per dozen .....**DCJ** $7.50



Old Colony Pattern, French Gray Finish, Solid Handles.

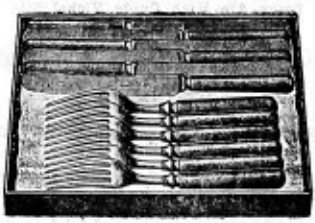
No. 1704—Medium knives, quadruple plated, 16 dwt., on finest crucible steel, straight blade,
per dozen .....**DCJ** $7.50



Cromwell Pattern, Burnished, Solid Handles.

No. 1714—Medium knives, quadruple plated, 16 dwt., on finest crucible steel, straight blade,
per dozen .....**DCJ** $7.50

PLAIN HOLLOW HANDLE KNIVES AND FORKS.



No. 1649—Medium knives and forks, burnished, in a combination set consisting of 6 all steel knives, quadruple plated, 16 dwt., scimeter swaged blade, and 6 forks, 4 tines, triple plated, with nickel silver tines and shanks .....per set **DHJ** $8.40
ONE SET IN A LINED RACK BOX.

HOLLOW HANDLE KNIVES AND FORKS.

Knives Have Nickel Silver Hollow Handles and Crucible Steel Scimeter Blades, Forks Are All Nickel Silver and Have Four Tines.



Vintage Pattern, French Gray.

No. 1680—Medium knives,
per dozen .....**JIHE** $17.28
No. 1682—Medium forks,
per dozen .....**JIHE** 17.28
No. 1681—Dessert knives,
per dozen .....**JIBE** 16.20
No. 1683—Dessert forks,
per dozen .....**JIBE** 16.20



Continental Pattern, French Gray.

No. 1890—Medium knives,
per dozen .....**JIHE** $17.28
No. 1892—Medium forks,
per dozen .....**JIHE** 17.28
No. 1891—Dessert Knives,
per dozen .....**JIBE** 16.20
No. 1893—Dessert forks,
per dozen .....**JIBE** 16.20



Old Colony, French Gray.

No. 1700—Medium knives,
per dozen .....**JIHE** $17.28
No. 1702—Medium forks,
per dozen .....**JIHE** 17.28
No. 1701—Dessert knives,
per dozen .....**JIBE** 16.20
No. 1703—Dessert forks,
per dozen .....**JIBE** 16.20



Cromwell Pattern, Burnished.

No. 1710—Medium knives,
per dozen .....**JIHE** $17.28
No. 1712—Medium forks,
per dozen .....**JIHE** 17.28
No. 1711—Dessert knives,
per dozen .....**JIBE** 16.20
No. 1713—Dessert forks,
per dozen .....**JIBE** 16.20
ONE-HALF DOZEN IN A FLANNEL ROLL;
ONE DOZEN IN A BOX.

KNIVES OR FORKS SEPARATE, HALF DOZEN; KNIVES AND FORKS IN SETS, ONE DOZEN IN RACK BOX.

NUT PICKS AND CRACKS.

NUT CRACKS.



No. 3—5½ in., malleable iron, nickel plated unpolished, per doz. **EJ** $0.80

ONE DOZEN IN A BOX.



No. 22—5 in., full nickel plated, embossed steel, round pattern, with spring .....per dozen **AJH** $1.80



No. 1-S—5 in., embossed steel, nickel plated, round pattern, with spring, per dozen .....**AEJ** $2.50

ONE-HALF DOZEN IN A BOX.



No. 20-S—5 in., embossed steel, nickel plated, square pattern, with spring, per dozen .....**CJJ** $5.00



No. 110—Squirrel, 5x5 in., not including handle, full nickel plated, per dozen ....**JIFJ** $16.00

This is conceded the most perfect nut cracker for kitchens, restaurants, etc., on the market. Simple, strong and quick. Removes the kernels from pecans perfectly.

ONE-HALF DOZEN IN A BOX.

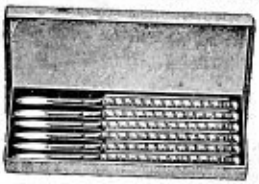
NUT CRACKS AND NUT SETS.



No. 16-C—Harper's nut crake, 5½ in., nickel plated, strong, prevents the hulls from falling on the floor, per dozen .....**BDJ** $4.00

No. 18-C—Harper's, set, containing one No. 16-C nut cracker and six nickel plated embossed picks, packed in a covered box, per doz. sets **EGE** $9.60

NUT PICKS AND NUT SETS.



Embossed Steel, Nickel Plated.

No. 120—Set of 6 picks, $\frac{7}{16}$ in., length 5 in., in a pasteboard box, per dozen sets .....**AAJ** $1.80

No. 2—Set of 6 picks, $\frac{3}{16}$ in., length 5 in., extra quality, in a pasteboard box .....per dozen sets **ABJ** $2.00

No. 010—Set of 6 picks, ¼ in., length 5 in., extra quality, in a finished cherry wood case, per dozen sets .....**JGBJ** $12.00

NOS. 120 AND 2, ONE DOZEN IN A BOX.

NO. 010, ONE SET IN A BOX.



No. 122—Embossed steel, nickel plated, set of 6 picks, $\frac{7}{16}$ in., and round pattern crack with spring, in a pasteboard box, per dozen sets **BCJ** $3.60

No. 30-S—Embossed steel, nickel plated, set of 6 picks, $\frac{7}{16}$ in., extra quality, and 1 round pattern crack with spring, in a pasteboard box, per dozen sets .....**BDJ** $4.00

ONE-HALF DOZEN SETS IN A CARTON.



No. 80-S—Embossed steel, nickel plated, set of 6 picks, $\frac{7}{16}$ in., extra quality, and 1 round pattern crack, with spring, in a varnished wood case, cloth lined.....per dozen sets **EDJ** $9.00

ONE SET IN A BOX.

NUT SETS.



No. 115-S—Set of 6 picks, $\frac{7}{16}$ in., extra quality, and 1 round pattern crack, with spring, in white leatherette cases, cloth lined, per dozen sets .....**JGBJ** $12.00

No. 115-D—Set of 12 picks, $\frac{7}{16}$ in., extra quality, and 2 round cracks with spring....per dozen sets **ACGJ** $22.80

ONE SET IN A BOX.



No. 15-S—Embossed steel, nickel plated, set of six picks, 1¼ in., extra quality and 1 square pattern crack, with spring, in a finished cherry wood case, cloth lined, per dozen sets .....**AJHJ** $18.00

ONE SET IN A BOX.



No. 020-S—Embossed steel, nickel plated, set of 12 picks, ½ in., extra quality and 2 square pattern cracks, with springs, in a cherry wood case, cloth lined ....per dozen sets **AIDE** $32.40

ONE SET IN A BOX.

NUT CRACKS, CHILDREN'S SETS AND MOIETS.

NUT CRACKS.



No. 40—Greatest length 6¼ in., greatest width 1⅞ in., made of malleable iron—cannot break—beautifully nickel plated, w't per doz. 6 lbs., per dozen .....**DHJ** $8.00

This nut cracker is hinged at four points, and the resulting powerful leverage, makes the cracking of a nut so easy that even small children can use the Rollman nut cracker.

ONE IN A BOX; ONE DOZEN IN A PACKAGE.

DOUBLE-KAY NUT CRACKER.



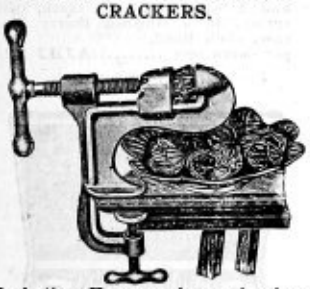
Cracks Nuts On the Ends, Makes the Kernels Come Out Whole, Eliminates Nut Picks.

No. 50—Greatest length 5¾ in., greatest width 2¾ in., spring steel backs, and weighted steel jaws, all nicely polished, w't per doz. 5 lbs., per dozen .....**BDJ** $4.00

Any one can operate it. Cracks all kinds of ordinary table nuts, such as pecans, hazelnuts, walnuts, and hickory nuts, without the use of a hammer. Can be used in the kitchen, on the train or in the country.

ONE IN A BOX, ONE DOZEN IN A PACKAGE. RETAILS FOR TWENTY-FIVE CENTS EACH.

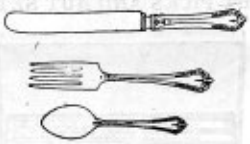
PERFECTION PECAN NUT CRACKERS.



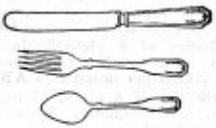
Perfection—Heavy malacca plated on solid wrought metal frame, size closed 6x6 in., per doz. **JGBJ** $12.00

The Perfection Sheller at first did not create a great deal of interest, as many thought that the screw clamp would prove a slow process. It has been proven, however, that the clamp can be quickly moved forward or backward an inch or more with a slight stroke on the handle, and the screw clamp cracks every size pecan absolutely perfect. In addition to this the clamp can be stopped within a thousandth of an inch when the pecan is properly cracked without crushing same.

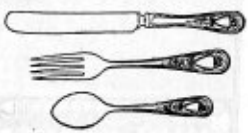
CHILDREN'S SETS.



No. 136—Heather, hollow handle knife, French gray, per dozen sets .....**AEEJ** $28.66
No. 135—Heather, French gray, solid steel knife, per doz. sets **AADE** $21.22



No. 122—Ivanhoe, French gray, hollow handle knife, per dozen sets .....**AEEJ** $28.66
No. 124—Ivanhoe, French gray, solid steel knife, per doz. sets **AADE** $21.22



No. 118—Pilgrim, hollow handle knife, French gray, per dozen sets .....**AEEJ** $28.66
No. 119—Pilgrim, French gray, solid steel knife, per doz. sets **AADE** $21.22

ONE SET IN A LINED BOX.

MOIETS.



No. C1235.

[illegible], Highest Grade Steel Knife and Fork, on Cards, Beautifully Finished Throughout.

No. C1060—Cocoa handle, without bolster .....per dozen cards **BAJ** $3.50
No. C2060—Ebony handle, without bolster .....per dozen cards **BAE** $3.70
Nos. C1060 *and* C2060 *on plain printed cards.*

No. C1161—Cocoa handle, single bolster .....per dozen cards **BDJ** $4.00
No. C3161—White bone handle, single bolster, per dozen cards **CCJ** $5.50
No. C1235—Cocoa handle, double fancy bolsters, per dozen cards **CBJ** $5.30
No. C3235—White bone handle, double fancy bolsters, per dozen cards .....**DBJ** $7.00
Nos. C1161 *to* C3235 *on colored picture cards.*

ONE-HALF DOZEN CARDS IN A BOX.

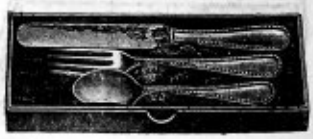
CHILDREN'S SETS.



No. ABC—3 pieces, all malacca plated, handles stamped with the various letters of the alphabet, one set in a lined box, per dozen sets **JIE** $1.60



No. 92—3 pieces, all silver plated, solid steel knife with fancy round end handle, in a lined box, per dozen sets .....**EDJ** $9.00

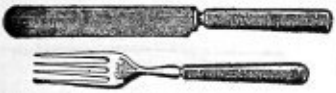


No. 98—3 pieces, all silver plated, in a lined box, per dozen sets **BAJ** $3.50

ONE DOZEN IN A CARTON.

STEEL AND NICKEL SILVER WARE.

KNIVES AND FORKS.



Tinned Steel, Solid Handle, Square End.

No. 6600—Medium knives only, per single gross .....**JIEJ** $15.80

No. 6600—Medium forks only, per single gross .....**JIEJ** $15.80

ONE DOZEN IN A BOX.



No. 6900—Medium knives and forks consisting of six solid handles square end knives, No. 6600, and six tipped pattern flat spoon handle forks, four tines ....per dozen sets **JFCJ** $10.50

No. 6900—Medium forks only, tipped pattern, flat spoon handle, four tines, per single gross .....**CCJ** $5.50

KNIVES AND FORKS, ONE SET; FORKS ONLY, ONE-SIXTH GROSS IN A BOX.

No. 6950—Malacca plate on steel, medium knives and forks, consisting of six solid handle round end knives and six tipped pattern flat spoon handle four tine forks, per dozen sets.....**EAJ** $8.50

SIX SETS IN A BOX.



No. 10—Hollow handle, heavily nickel plated on polished steel, per set .....**AJJ** $1.70
per dozen sets .....**AAEJ** 19.20

These knives are light weight and nicely finished and the low price will make them ready sellers.



Silver Plated Steel.

No. 100—Medium knives and forks, in sets of six knives and six forks, four tines....per dozen sets **ADDJ** $24.00

No. 100—Medium knives only, per dozen sets .....**ADDJ** $24.00

KNIVES AND FORKS, ONE SET; KNIVES ONLY ONE DOZEN IN A BOX.

KNIVES, FORKS AND SPOONS.



Heavy Nickel Plated on Steel, Beaded Shell.

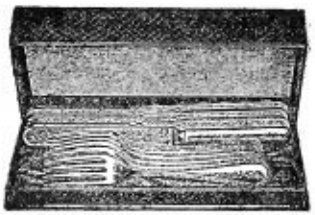
No. 2—Teaspoons, per dozen **JCJ** $0.50
No. 4—Tablespoons, per doz. **JFJ** 1.00

TEASPOONS, THREE DOZEN; TABLESPOONS, TWO DOZEN IN A BOX.



No. 6—Medium knives and forks, in sets of six solid handle knives and six flat spoon handle forks, heavily nickel plated on steel, beaded shell pattern, per set .....**JIJ** $1.50

SIX SETS IN A BOX.



Silver Plated Steel.

No. 0500—Medium knives and forks in sets consisting of six solid handle, round end knives and six beaded spoon handle forks, four tines, per set .....**ACJ** $2.20

ONE SET IN A LINED LEATHERETTE CASE.

MALACCA PLATE GOODS.



Extra Heavy Malacca Plate on Solid Steel Tipped Pattern.

No. 2000—Teaspoons, six in a package, per gross packages .....**AJHJ** $18.00

No. 3000—Dessert spoons, three in a package, per gross pkgs. **AJHJ** $18.00

No. 4000—Tablespoons, three in a package, per gross packages **AJHJ** $18.00

NO. 2000, ONE-HALF DOZEN PACKAGES; NOS. 3000 AND 4000, TWO-THIRDS DOZEN PACKAGES IN A BOX.

NICKEL SILVER WARE.



Solid Handle, Round End, Medium Weight.

No. 2004—Knives and forks, set of six scimeter swage knives and six four tine forks .....per set **BAE** $3.00

No. 2005—Knives only, per dozen .....**BAE** 3.00

NO. 2004, ONE SET; NO. 2005 ONE DOZEN IN A BOX.

BAR SPOONS.



Extra Heavy Malacca Plate on Solid Silver Steel.

Nos.	32	33	34	35
Length, in.	4½	5½	7	8
Per dozen	$1.20	$1.30	1.40	1.50
	JGJ	**JHE**	**JHE**	**JIJ**

ONE DOZEN IN A BOX.

ICE CREAM SODA OR ICE TEA SPOONS.



Heavily Silver Plated on Solid Nickel Silver.

No. 3—Windsor, 8 in., oval bowl, per dozen .....**BBJ** $3.00

ONE DOZEN IN A BOX.

Every article branded GVB is made with an accurate knowledge of requirements by the most skilled workmen.

SOLID NICKEL SILVER AND SILVER PLATED WARE.

Solid nickel silver knives and forks are made of the same bright metal throughout, the knives may be sharpened to a keen edge on an ordinary table steel.



Solid Handle, Round End.

No. 2002 —Medium knives and forks in sets consisting of six scimeter swaged knives and six 4 tine forks, per set .....BDJ $3.00

No. 2000 —Medium knives only, scimeter swaged blade, per dozen .....CJJ $3.75

No. 2001 —Dessert knives and forks.....per set BCE $2.92

NO. 2002, ONE SET; NOS 2000 AND 2001, ONE DOZEN IN A BOX.



No. 2003 —Medium knives and forks in sets consisting of six scimeter swaged, round end knives and six forks.....per set BDE $3.08

ONE SET IN A BOX.



Full Weight.

No. 025 —Tipped, teaspoons, per gross .....JIJJ $11.25

No. 025 —Tipped, dessert spoons, per gross .....AEFJ $19.50

No. 025 —Tipped, tablespoons, per gross .....AHJJ $22.50
TWO DOZEN IN A BOX.

Extra Heavy Hotel Weight.

No. 050 —Tipped, teaspoons, per gross .....ACBJ $16.50

No. 050 —Tipped, dessert spoons, per gross .....BAFJ $27.00

No. 050 —Tipped, tablespoons, per gross .....BFDJ $33.00

ONE DOZEN IN A BOX.



Full Weight.

No. 035 —Windsor, teaspoons, per gross .....JIJJ $11.25

No. 035 —Windsor, dessert spoons.....per gross AEFJ $19.50

No. 035 —Windsor, tablespoons, per gross .....AHJJ $22.50
TWO DOZEN IN A BOX.

Extra Heavy Hotel Weight.

No. 070 —Windsor, teaspoons, per gross .....ACBJ $16.50

No. 070 —Windsor, dessert spoons.....per gross BAFJ $27.00

No. 070 —Windsor, tablespoons, per gross .....BFDJ $33.00

ONE DOZEN IN A BOX.

pure nickel silver table ware is made from a special metal which is pure and bright in color and the same material all the way through. This metal is absolutely the best substitute for Sterling Silver ever found. No plating or application whatever is used to change the color of the metal.



Full Weight.

Beaded, teaspoons, per gross .....JIJJ $11.25

Beaded, dessert spoons, per gross .....AEFJ $19.50

Beaded, tablespoons, per gross .....AHJJ $22.50
TWO DOZEN IN A BOX.



Full Weight.

Plymouth, teaspoons, per gross .....JIJJ $11.25

Plymouth, dessert spoons, per gross .....AEFJ $19.50

Plymouth, tablespoons, per gross .....AHJJ $22.50
ONE DOZEN IN A BOX.



Plymouth, medium knives only, solid handle, scimeter swaged blade, per dozen .....BHJ $3.52

Plymouth, forks only, flat handle, 4 tines.....per dozen AEJ $1.87

Plymouth, medium knives and forks, consisting of 6 each of above in lined box.....per set BAE $2.70

WM. ROGERS AND SONS KNIVES AND FORKS.



No. 1502—Medium, triple plated, burnished round end handles, per set .....CAJ $6.00

No. 1505—Dessert, triple plated, burnished round end handles, per set .....BIE $5.80



No. 1507—Medium, triple plated, scimeter swaged blades, burnished round end handles .....per set CBJ $6.20



No. 1510—Medium, triple plated, burnished Windsor handle, per set .....CAJ $6.00

KNIVES AND FORKS, IN SETS, ONE-HALF DOZEN EACH IN A BOX.

On orders of not less than one gross (12 sets) Solid Nickel Silver Knives and Forks, we will etch the customer's name and address on the blades without extra cost, provided the name runs in straight lines and has no curved or odd shaped trade mark. Shipment can be made within three weeks from receipt of order. If customer desires his own or other name stamped in the handle instead of etched on the blade, there will be an extra charge for the steel stamping die of BJ cents per letter.

Where the goods are ordered to be stamped with a steel die, spoons can also be stamped without additional cost.

ALUMINUM WARE.

KNIVES AND FORKS.



No. 222 —Medium knives and forks, consisting of six knives, with light, large size polished aluminum handles, and full polished crucible steel cimeter blades, ground to a keen cutting edge, and six heavy weight solid nickel silver medium forks, per set .....**BDJ** $4.00

No. 223 —Medium knives only, per dozen .....**BDJ** $4.50

These knives have the appearance of regular full size hollow handle goods and are very light, making an exceptionally neat knife for every day use. As neither knives or forks have any plating or other application to wear off, they will last indefinitely.

ONE-HALF DOZEN KNIVES IN A BOX; SIX KNIVES AND SIX FORKS IN A BOX.

ALUMINUM HANDLED STEAK KNIVES.



No. 224 —Medium knives, full size, attractive solid aluminum handles, octagon shaped with pointed end, blade of the finest crucible steel specially shaped for cutting meat, per dozen .....**CFJ** $6.00

These knives are of the highest quality, of the best workmanship and gotten out to meet the demand for good attractive steak or meat knives for both the household and restaurant use.

ONE-HALF DOZEN IN A BOX.

BASTING SPOONS.



No. 500—Windsor pattern ribbed center handle, solid, pure aluminum, length 11 in. .....per dozen **AIJ** $3.20

ONE DOZEN IN A BOX.

SLOTTED MIXING SPOONS.



No. 565—Windsor pattern ribbed center handle, slotted bowl, pure aluminum, length 11 in., a first class article for beating eggs, mixing potatoes and similar uses ....per dozen **AIJ** $3.20

ONE DOZEN IN A BOX.

POT SPOONS.



No. 520—Windsor pattern ribbed center handle, solid, pure aluminum, length 13¼ in. .....per dozen **BFJ** $4.30

Unequaled for pot use. Handle has a large hole in the end for hanging up and strong hook on the back which catches on the edge of the pot or pan and prevents spoon from sliding into the contents.

ONE DOZEN IN A BOX.

COOKING SPOONS.



No. 522—Solid, pure aluminum, length 7 in., large round bowl with short round handle and knob on the end, handy in the kitchen, per dozen .....**AAE** $1.90

TWO DOZEN IN A BOX.

DIPPERS.



No. 1324—Extra heavy metal, polished, with round black enameled wood handle, capacity ½ pt., per dozen .....**BDJ** $4.00

Will not corrode, very sanitary, strong and serviceable.

ONE-HALF DOZEN IN A BOX.

LADLES.



Windsor Pattern, Ribbed Center Handle, Solid, Pure Aluminum.

No. 401—Small size, length 8 in., per dozen .....**AHJ** $3.00

No. 402—Medium size, length 10½ in., per dozen .....**CJJ** $5.00

No. 403—Large size, length 12½ in., per dozen .....**DHJ** $8.00

NO. 401, ONE DOZEN; NO. 402, ONE-HALF DOZEN IN A BOX; NO. 403, ONE-QUARTER DOZEN IN A BUNDLE.

SOUP LADLES.



No. 1323—Outside of bowl polished, inside satin finished, capacity ½ pt., 9 in. aluminum handle, length over all 12½ in. .....per dozen **AHJ** $3.00

ONE-HALF DOZEN IN A BOX.

EGG WHIPS AND CAKE TURNERS.



No. 576.



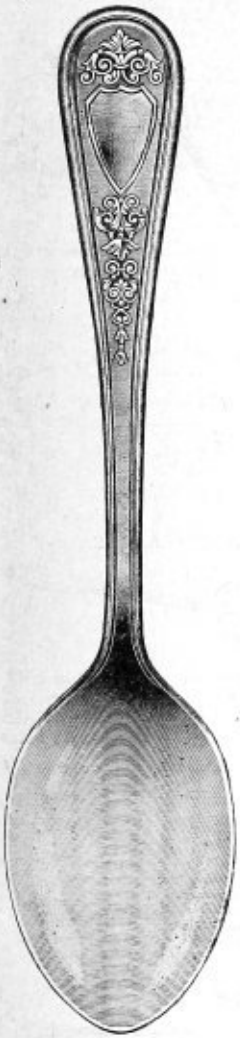
No. 582.

No. 576—Egg Whips, pure aluminum, strong, light and practical, length 11½ in. .....per dozen **BAE** $3.60

No. 582—Cake Turners, pure aluminum, thin slotted blade, ribbed handle, strong and light, length 12 in., per dozen .....**BGJ** $4.50

ONE DOZEN IN A BOX.

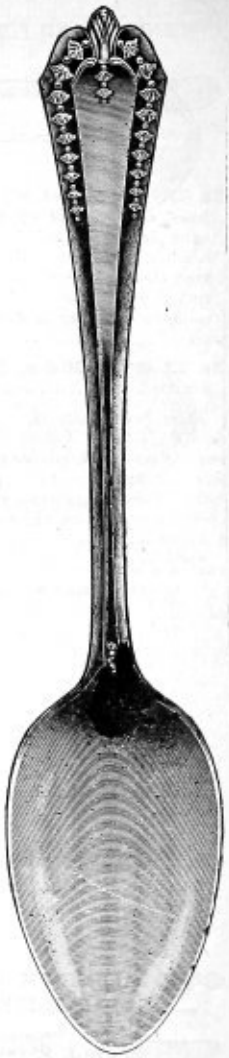
◆V◆ SILVER PLATED WARE.



Pilgrim.
Patented 6-20-1911.
See pages 1768 to 1770



Ivanhoe.
Patented 6-20-1911.
See pages 1771 to 1773.



Heather.
Patented Feb. 25, 1913.
See pages 1774 to 1774B.

Our line of ◆V◆ Silverware consists of five distinct patterns,
We have added to this line many details whereby it excels all others for quality, elegance and artistic appearance.

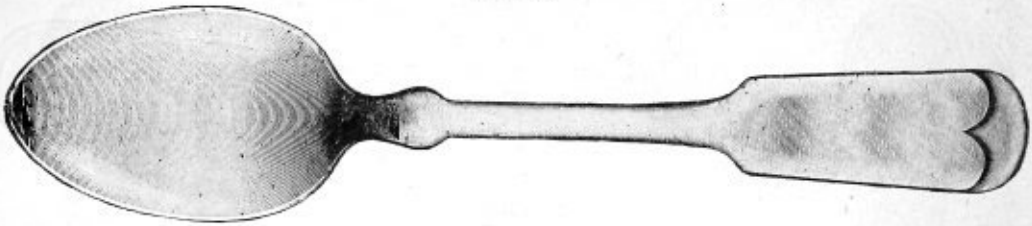
Every item is packed in handsome boxes as shown on the preceding page, and has a heavy, pure silver plate on the highest quality solid white nickel silver.

◆V◆ Silverware is unconditionally warranted.

Any article desired can be furnished in the Pilgrim, Ivanhoe and Heather patterns, as illustrated complete on pages 1768 to 1774C.

SILVER PLATED WARE.

TIPPED.



WINDSOR.



Full Size Cut of Tea Spoon.

	Tea Spoons	Dessert Spoons	Table Spoons	Butter Knives	Sugar Shells
A1 or extra plate ..... per dozen	$3.90	6.80	7.80	9.10	7.22
	BAJ	CFE	DBJ	DIJ	DEJ
Triple plate ..... per dozen	$4.76	8.45	9.52		
	BFJ	DEE	EAE		

ONE DOZEN IN A BOX.

PRIMROSE SILVER PLATED WARE.



TEA SPOONS.

Primrose, French gray, per dozen ..... **ACJ** $2.20

DESSERT SPOONS.

Primrose, French gray, per dozen ..... **BDJ** $4.00

TABLE SPOONS.

Primrose, French gray, per dozen ..... **BFE** $4.40

SUGAR SHELLS.

Primrose, French gray, per dozen ..... **BDJ** $4.00

BUTTER KNIVES.

Primrose, French gray, per dozen ..... **BGE** $4.60

ONE DOZEN IN A BOX.



MEDIUM KNIVES AND FORKS.

No. 3000—Primrose, solid handle, French gray, knives only, per dozen ..... **BFE** $4.40

No. 3001—Primrose, flat handle, French gray, forks only, per doz. **BFE** $4.40

No. 3002—Primrose, knives and forks, consisting of 6 No. 3000 and 6 No. 3001, packed in a combination box, per set ..... **BFE** $4.40

ONE DOZEN KNIVES OR ONE DOZEN FORKS PACKED IN LINED RACK BOXES; ONE SET SIX KNIVES AND SIX FORKS PACKED IN LINED RACK BOXES.



26-PIECE FAMILY ASSORTMENT.

No. 3005—Green leatherette covered wood case, hinged lid above and drawer below containing—

6 Primrose French gray tea spoons,
6 Primrose French gray table spoons,
6 Primrose French gray medium knives,
6 Primrose French gray medium forks,
1 Primrose French gray sugar shell,
1 Primrose French gray butter knife,
per assortment, complete **EGJ** $9.50

H B SILVER PLATED WARE.



Patented June 20, 1911.

The Pilgrim pattern combines elegance and durability, and is strictly colonial with a modern finish. The delicate French gray shading on the handle with the bright shield in the center produces a very pleasing effect.
Cut of Pilgrim Tea Spoon, Showing the Design of all Goods in this Pattern.

	Tea Spoons.	Dessert Spoons.	Table Spoons.	Med. Forks.
Pilgrim—A1 extra plate, French gray ..... per dozen	$4.22 BCJ	7.55 DAJ	8.44 DEE	8.44 DEE
Pilgrim—Triple plate, French gray ..... per dozen	5.33 BIJ	9.33 EJE	10.66 JEGE	10.66 JEGE

ONE DOZEN IN A BOX.

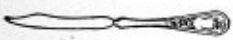
SUGAR SHELLS.



Pilgrim—French gray, per dozen ..... DBJ $9.22

ONE DOZEN IN A BOX.

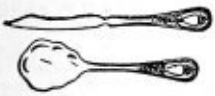
BUTTER KNIVES.



Pilgrim—French gray, per dozen ..... JEJE $10.66

ONE DOZEN IN A BOX.

BUTTER AND SUGAR SETS.



Pilgrim—French gray, per dozen sets ..... AJDE $19.33

ONE SET IN A LINED BOX.

BABY SPOONS.



Pilgrim—French gray, per dozen ..... CFJ $6.66

ONE IN A LINED BOX.

COFFEE SPOONS.



Pilgrim—French gray, per dozen ..... BCJ $4.22

ONE-HALF DOZEN IN A LINED BOX.

ORANGE SPOONS.



Pilgrim—French gray, per dozen ..... BIJ $5.33

ONE-HALF DOZEN IN A LINED BOX.

ICED TEA SPOONS.



Pilgrim—French gray, length 7¼ in., per dozen ..... DJJ $7.44
Just the thing for iced tea or lemonade.

ONE-HALF DOZEN IN A LINED BOX.

ROUND BOWL SOUP AND BOUILLON SPOONS.



Pilgrim—Soup spoons, French gray, per dozen ..... EJJ $9.22
Pilgrim—Bouillon spoons, French gray, per dozen ..... DBE $7.88

ONE-HALF DOZEN IN A LINED BOX.

BERRY SPOONS.



Pilgrim—French gray, per dozen ..... AADE $21.22

ONE IN A LINED BOX.

COLD MEAT FORKS.



Pilgrim—French gray, per dozen ..... JGAE $13.22

ONE IN A LINED BOX.

Every piece of Silver Plate bearing the H B trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

OUR VERY BEST SILVER PLATED WARE.

ALL OUR VERY BEST SILVERWARE PACKED IN HANDSOME LINED BOXES.

OYSTER FORKS.



Pilgrim—French gray, per dozen .....CJJ $5.55

ONE-HALF DOZEN IN A BOX.

PICKLE FORKS.



Pilgrim—French gray, per dozen .....EAE $9.55

ONE IN A BOX.

INDIVIDUAL SALAD FORKS.



Pilgrim—French gray, per dozen .....DEJ $8.34

ONE-HALF DOZEN IN A BOX.

BERRY FORKS.



Pilgrim—French gray, per dozen .....BHJ $5.22

ONE-HALF DOZEN IN A BOX.

PIE FORKS.



Pilgrim—French gray, per dozen .....DEJ $8.34

ONE-HALF DOZEN IN A BOX.

PIE SERVERS.



Pilgrim—French gray, hollow handle, per dozen .....BJCE $37.66

ONE IN A BOX.

R. B. CREAM LADLES.



Pilgrim R. B.—French gray, round bowl, per dozen .....JFDJ $11.88

ONE IN A BOX.

LADLES.



Pilgrim—Cream ladle, French gray, per dozen .....JFDJ $11.88

Pilgrim—Gravy ladle, French gray, per dozen .....JHFJ $15.88

ONE IN A BOX.

CREAM LADLE AND GRAVY LADLE SETS.

Pilgrim—Set consists of one each, cream ladle and gravy ladle, French gray, per set .....ADJ $2.55

ONE SET IN A BOX.

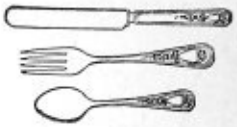
MEDIUM LADLES.



Pilgrim—French gray, per dozen .....BBHJ $42.22

ONE IN A BOX.

CHILDREN'S SETS.



No. 119—Pilgrim, French gray, solid steel knife, per doz. sets AADE $21.22

ONE SET IN A BOX.



No. 118—Pilgrim, hollow handle knife, French gray, per dozen sets .....AEEJ $28.66

ONE SET IN A BOX.

B. K, S. S. AND C. L. SETS.



Pilgrim—Set consists one each butter knife, sugar shell and cream ladle, French gray .....per set ADE $2.66

ONE SET IN A BOX.

TABLE SETS.



Pilgrim—Set consists of butter knife, sugar shell and six A1 plate tea spoons .....per set BAJ $3.88

ONE SET IN A BOX.

Every piece of Silver Plate bearing the OUR VERY BEST trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

ALL SILVERWARE PACKED IN HANDSOME LINED BOXES.

PASTRY SETS.



Pilgrim—Set consists of hollow handle pie server and six pie forks, French gray .....per dozen **DAE** $7.66

ONE SET IN A BOX.

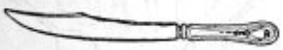
BERRY SETS.



Pilgrim—Set consists of berry spoon and six berry forks, French gray, per set .....**BFE** $4.88

ONE SET IN A BOX.

HOLLOW HANDLE CARVERS.



Pilgrim—Two-piece bird carvers, knife and fork, 5 in. blade, French gray, per pair .....**CHJ** $7.00

Pilgrim—Three-piece beef carvers, knife, fork and steel, 9 in. blade, French gray ....per set **JGHJ** $14.44

ONE PAIR OR ONE SET IN A BOX.

FRUIT KNIVES.



No. 107—Pilgrim, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.

H. H. FRUIT KNIVES.



No. 113—Pilgrim, hollow handle, French gray .....per dozen **JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

BUTTER SPREADERS.



No. 108—Pilgrim, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.



No. 111—Pilgrim, flat handle, French gray .....per dozen **DAJ** $7.55

ONE-HALF DOZEN IN A BOX.

H. H. BUTTER SPREADERS.



No. 112—Pilgrim, hollow handle, French gray .....per dozen **JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

JUMBO HANDLE KNIVES AND FORKS.



Knives are Made of the Finest Crucible Steel, Forks are High Grade Nickel Silver and Have Four Tines.

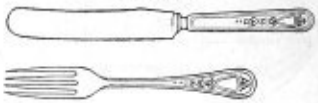
No. 1234—Pilgrim, medium knives and forks, set consists of six knives and six forks to match, all 12 dwt. triple plated, French gray, per set .....**CIJ** $7.22

No. 1235—Pilgrim, dessert knives and forks, set consists of six cimeter swaged knives and six forks to match, all 12 dwt. triple plated, French gray, per set .....**CHJ** $7.00

No. 1238—Pilgrim, medium knives and forks, set consists of six knives and six forks to match, all 16 dwt. quadruple plated, French gray, per set .....**DEJ** $8.33

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

JUMBO HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1236—Pilgrim ,medium knives and forks, set consists of six cimeter swaged knives, 12 dwt. triple plated and six A1 spoon handle forks, French gray .....per set **DBJ** $7.78

HOLLOW HANDLE KNIVES AND FORKS.



Knife Blades are Made from Finest Crucible Steel. Knife Handles and Forks are High Grade Nickel Silver and Forks Have Four Tines.

No. 1320—Pilgrim, medium knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JIFJ** $17.78

No. 1321—Pilgrim, medium forks, 16 dwt., quadruple plated, French gray, per dozen .....**JIJJ** $16.66

No. 1323—Pilgrim, dessert knives, 16 dwt., quadruple plated, French gray, scimeter swaged, per dozen .....**JHDJ** $15.55

No .1324—Pilgrim, dessert forks, 16 dwt., quadruple plated, French gray, per dozen .....**JHAJ** $15.00

No. 1330—Pilgrim, medium knives, 20 dwt. quintuple plated, French gray, cimeter swaged, per dozen .....**AJHJ** $20.00

No. 1331—Pilgrim, medium forks, 20 dwt. quintuple plated, French gray, per dozen .....**AJBJ** $18.88

No. 1332—Pilgrim, medium knives and forks, set consists of six knives and six forks, all 20 dwt. quintuple plated, French gray ....per set **AJEJ** $19.44

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



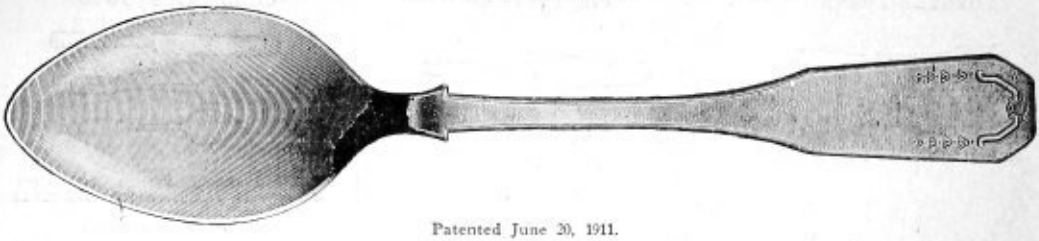
No. 1327—Pilgrim, set consists of six 16 dwt. quadruple plated hollow handle knives, cimeter swaged, and six flat spoon handle forks, 12 dwt. triple plated, French gray, per dozen .....**JGGJ** $14.22

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

Every piece of Silver Plate bearing the trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

SPOONS AND FORKS.



Patented June 20, 1911.

Embodied in our IVANHOE pattern is a combination of those three truly Colonial attributes, Beauty, Simplicity and Strength. The simple Colonial wreath is finished in a dark French gray, the balance of the handle being toned off in a lighter gray which gives an artistic appearance unsurpassed by the finest sterling silver. This pattern is so suggestive of the tableware used during the time of Sir Walter Scott that it seems highly proper that it be designated as the IVANHOE.

Full Size Cut Ivanhoe Tea Spoons, Showing the Design of all Goods in this Pattern.

	Tea Spoons.	Dessert Spoons.	Table Spoons.	Med. Forks.
Ivanhoe—A1 or extra plate, French gray ..... per dozen	$4.22 BCJ	7.55 DAJ	8.44 DEE	8.44 DEE
Ivanhoe—Triple plate, French gray ..... per dozen	$3.33 BIJ	9.33 EJE	10.66 JEGE	10.66 JEGE

ONE DOZEN IN A BOX.

SUGAR SHELLS.



Ivanhoe—French gray, per dozen .....DBJ $7.78

ONE DOZEN IN A BOX.

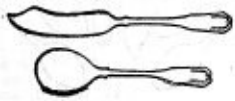
BUTTER KNIVES.



Ivanhoe—French gray, per dozen .....EJE $9.33

ONE DOZEN IN A BOX.

BUTTER KNIFE AND SUGAR SHELL SETS.



Ivanhoe—French gray, per dozen .....AJDE $19.33

ONE SET IN A LINED BOX.

BABY SPOONS.



Ivanhoe—French gray, per dozen .....CFJ $6.66

ONE IN A LINED BOX.

COFFEE SPOONS.



Ivanhoe—French gray, per dozen .....BCJ $4.22

ONE-HALF DOZEN IN A LINED BOX.

ORANGE SPOONS.



Ivanhoe—French gray, per dozen .....BIJ $5.33

ONE-HALF DOZEN IN A LINED BOX.

ICED TEA SPOONS.

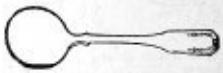


Ivanhoe—French gray, length 7¼ in., per dozen .....DJJ $7.44

Just the thing for iced tea or lemonade.

ONE-HALF DOZEN IN A LINED BOX.

ROUND BOWL SOUP AND BOUILLON SPOONS.

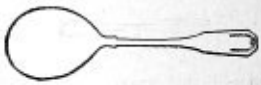


Ivanhoe—Soup spoons, French gray, per dozen .....EJJ $9.22

Ivanhoe—Bouillon spoons, French gray, per dozen .....DBE $7.88

ONE-HALF DOZEN IN A LINED BOX.

BERRY SPOONS.



Ivanhoe—French gray, per dozen .....AADE $21.22

ONE IN A LINED BOX.

COLD MEAT FORKS.



Ivanhoe—French gray, per dozen .....JGAE $17.22

ONE IN A LINED BOX.

Every piece of Silver Plate bearing the trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

OYSTER FORKS.



Ivanhoe—French gray, per dozen .....**CJJ** $5.55

ONE-HALF DOZEN IN A LINED BOX.

PICKLE FORKS.



Ivanhoe—French gray, per dozen .....**EAE** $9.55

ONE IN A LINED BOX.

INDIVIDUAL SALAD FORKS.



Ivanhoe—French gray, per dozen .....**DEJ** $8.34

ONE-HALF DOZEN IN A LINED BOX.

BERRY FORKS.



Ivanhoe—French gray, per dozen .....**BHJ** $5.22

ONE-HALF DOZEN IN A LINED BOX.

PIE FORKS.



Ivanhoe—French gray, per dozen .....**DEJ** $8.34

ONE-HALF DOZEN IN A LINED BOX.

PIE SERVERS.



Ivanhoe—Hollow handle, French gray, per dozen .....**BJCE** $37.66

ONE IN A LINED BOX.

LADLES.



Ivanhoe—Cream ladle, French gray, per dozen .....**JFDJ** $11.88

Ivanhoe—Gravy ladle, French gray, per dozen .....**JHFJ** $15.88

Ivanhoe—Medium ladle, French gray, per dozen .....**BBHJ** $42.22

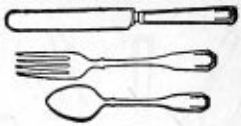
ONE IN A LINED BOX.

CREAM AND GRAVY LADLE SETS.

Ivanhoe—French gray, set consists of one each cream ladle and gravy ladle, per set .....**ADJ** $2.55

ONE SET IN A LINED BOX.

CHILDREN'S SETS.



No. 124—Ivanhoe, French gray, per dozen sets .....**AADE** $21.22

ONE SET IN A LINED BOX.

H. H. CHILDREN'S SETS.



No. 127—Ivanhoe, French gray, hollow handle knife, per doz. sets**AEEJ** 28.66

ONE SET IN A LINED BOX.

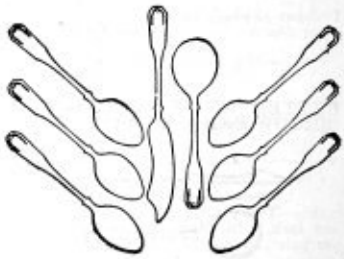
B. K. S. S. & C. L. SETS.



Ivanhoe—French gray, set consists of one each butter knife, sugar shell and cream ladle .....per set **ADE** $2.66

ONE SET IN A LINED BOX.

TABLE SETS.



Ivanhoe—French gray, set consists of one butter knife, one sugar shell and six A1 plate teaspoons, per set .....**BAJ** $3.88

ONE SET IN A LINED BOX.

Every piece of Silver Plate bearing the GVB trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

ALL SILVERWARE PACKED IN HANDSOME LINED BOXES.

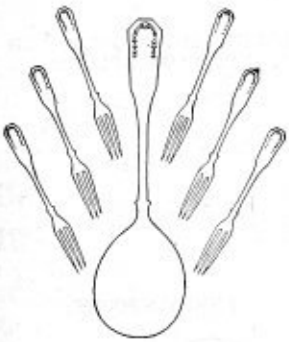
PASTRY SETS.



Ivanhoe—French gray, set consists of one hollow handle pie server and six pie forks .....per set **DAE** $7.66

ONE SET IN A BOX.

BERRY SETS.



Ivanhoe—French gray, set consists of one berry spoon and six berry forks, per set .....**BFE** $4.88

ONE SET IN A BOX.

HOLLOW HANDLE CARVERS.



Ivanhoe—Two-piece game carvers, knife and fork, 9 in. blade, per pair .....**CHJ** $7.00

Ivanhoe—Three-piece beef carvers, knife, fork and steel, 9 in. blade, per set .....**JGHJ** $14.44

ONE PAIR OR ONE SET IN A BOX.

FRUIT KNIVES.



No. 109—Ivanhoe, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.

H. H. FRUIT KNIVES.



No. 121—Ivanhoe, hollow handle, French gray .....per dozen **JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

BUTTER SPREADERS.



No. 110—Ivanhoe, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.



No. 123—Ivanhoe, flat handle, per dozen .....**DAJ** $7.55

ONE-HALF DOZEN IN A BOX.

H. H. BUTTER SPREADERS.



No. 120—Ivanhoe, hollow handle, per dozen .....**JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

SOLID JUMBO HANDLE KNIVES AND FORKS.



No. 1254.

Knives are Made of the Finest Crucible Steel, Forks are High Grade Nickel Silver and Have Four Tines.

No. 1254—Ivanhoe, medium knives and forks, set consists of six cimeter swaged knives and six forks to match, all 12 dwt. triple plated, French gray, per set .....**CIJ** $7.22

No. 1255—Ivanhoe, dessert knives and forks, set consists of six cimeter swaged knives and six forks to match, all 12 dwt. triple plated, French gray, per set .....**CHJ** $7.00

No. 1258—Ivanhoe, medium knives and forks, set consists of six cimeter swaged knives and six forks to match, all 16 dwt. quadruple plated, French gray .....per set **DEJ** $8.33

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

HOLLOW HANDLE KNIVES AND FORKS.



No. 1350.

Knife Blades are Made from Finest Crucible Steel, Knife Handles and Forks are High Grade Nickel Silver, and Forks Have Four Tines.

No. 1350—Ivanhoe, medium knives, 16 dwt. quadruple plated, French gray, cimeter swaged, per dozen .....**JIFJ** $17.78

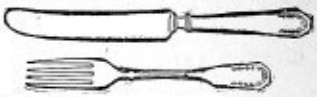
No. 1351—Ivanhoe, medium forks, 16 dwt. quadruple plated, French gray, per dozen .....**JIJJ** $16.66

No .1353—Ivanhoe, dessert knives, 16 dwt. quadruple plated, French gray, cimeter swaged, per dozen .....**JHDJ** $15.55

No. 1354—Ivanhoe, dessert forks, 16 dwt. quadruple plated, French gray, per dozen .....**JHAJ** $15.00

ONE-HALF DOZEN IN A BOX.

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1357—Ivanhoe, set consists of six 16 dwt. quadruple plated hollow handle knives, cimeter swaged, and six flat spoon handle forks, all 12 dwt. triple plate, French gray, per dozen .....**JGGJ** $14.22

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

Every piece of Silver Plate bearing the trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.



Patented February 25, 1913.

In designing our Heather pattern we have obtained a striking effect never before equaled on a heavy weight blank, such as used in this line.

The handle has a pronounced beveled edge from tip to bowl, and the simple Heather design placed on the bevel is unsurpassed in detail and clearness. The handle finished in a delicate French gray with a highly burnished bowl produces a very pleasing effect.

	Tea Spoons.	Dessert Spoons.	Table Spoons.	Med. Forks.
Heather—A1 or extra plate, French gray ..... per dozen	$4.22 BCJ	7.55 DAJ	8.44 DEE	8.44 DEE
Heather—Triple plate, French gray ..... per dozen	$5.33 BIJ	9.33 EJE	10.66 JEGE	10.66 JEGE

ONE DOZEN IN A BOX.

SUGAR SHELLS.



Heather—French gray, per dozen .....DBJ $9.22

ONE IN A LINED BOX.

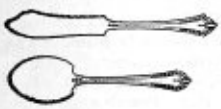
BUTTER KNIVES.



Heather—French gray, per dozen .....JEJE $10.66

ONE IN A LINED BOX.

BUTTER AND SUGAR SETS.



Heather—French gray, per dozen sets .....AJDE $19.33

ONE SET IN A LINED BOX.

BABY SPOONS.



Heather—French gray, per dozen .....CFJ $6.66

ONE IN A LINED BOX.

COFFEE SPOONS.



Heather—French gray, per dozen .....BCJ $4.22

ONE-HALF DOZEN IN A LINED BOX.

ORANGE SPOONS.



Heather—French gray, per dozen .....BIJ $5.33

ONE-HALF DOZEN IN A LINED BOX.

ICED TEA SPOONS.



Heather—French gray, length, 7¼ in., per dozen .....DJJ $7.44

Just the thing for iced tea or lemonade.

ONE-HALF DOZEN IN A LINED BOX.

ROUND BOWL SOUP AND BOUILLON SPOONS.



Heather—Soup spoons, French gray, per dozen .....EJJ $9.22

Heather—Bouillon spoons, French gray, per dozen .....DBE $7.88

ONE-HALF DOZEN IN A LINED BOX.

BERRY SPOONS.



Heather—French gray, per dozen .....AADE $21.22

ONE IN A LINED BOX.

COLD MEAT FORKS.



Heather—French gray, per dozen .....JGAE $13.22

ONE IN A LINED BOX.

Every piece of Silver Plate bearing the GVB trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

OYSTER FORKS.



Heather—French gray, per dozen .....CJJ $5.55

ONE-HALF DOZEN IN A LINED BOX.

PICKLE FORKS.



Heather—French gray, per dozen .....EAE $9.55

ONE IN A LINED BOX.

INDIVIDUAL SALAD FORKS.



Heather—French gray, per dozen .....DEJ $8.34

ONE-HALF DOZEN IN A LINED BOX.

BERRY FORKS.



Heather—French gray, per dozen .....BHJ $5.22

ONE-HALF DOZEN IN A LINED BOX.

PIE FORKS.



Heather—French gray, per dozen .....DEJ $8.34

ONE-HALF DOZEN IN A LINED BOX.

PIE SERVERS



Heather—French gray, hollow handle, dozen .....BJCE $37.66

ONE IN A LINED BOX.

LADLES.



Heather—Cream ladle, French gray, per dozen .....JFDJ $11.88

Heather—Gravy ladle, French gray, per dozen .....JHFJ $15.88

ONE IN A LINED BOX.

Heather—Medium ladle, French gray, per dozen .....BBHJ $42.22

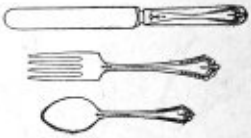
ONE SET IN A LINED BOX.

CREAM LADLE AND GRAVY LADLE SETS.

Heather—Set consists of one each Cream ladle and gravy ladle, French gray, per set .....ADJ $2.55

ONE SET IN A LINED BOX.

CHILDREN'S SETS.



No. 135—Heather, French gray, solid steel knife, per doz. sets AADE $21.22

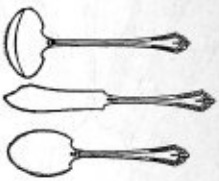
ONE SET IN A LINED BOX.



No. 136—Heather, hollow handle knife, French gray, per dozen sets .....AEEJ $28.66

ONE SET IN A LINED BOX.

B. K. S. S. AND C. L. SETS.



Heather—Set consists one each butter knife, sugar shell and cream ladle, French gray .....per set ADE $2.66

ONE SET IN A LINED BOX.

TABLE SETS.



Heather—Set consists of butter knife, sugar shell and six A1 plate tea spoons .....per set BAJ $3.88

ONE SET IN A LINED BOX.

Every piece of Silver Plate bearing the trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVER PLATED WARE.

ALL SILVERWARE PACKED IN HANDSOME LINED BOXES.

PASTRY SETS.



Heather—Set consists of hollow handle pie server and six pie forks, French gray .....per set **DAE** $7.66

ONE SET IN A BOX.

BERRY SETS.



Heather—Set consists of berry spoon and six berry forks, French gray, per set .....**BFE** $4.88

ONE SET IN A BOX.

HOLLOW HANDLE CARVERS.

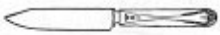


Heather—Two-piece bird carvers, knife and fork, 5 in. blade, French gray, per pair .....**CHJ** $7.00

Heather—Three-piece beef carvers, knife, fork and steel, 9 in. blade, French gray....per set **JGHJ** $14.44

ONE PAIR OR ONE SET IN A BOX.

FRUIT KNIVES.



No. 130—Heather, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.

H. H. FRUIT KNIVES.



No. 131—Heather, hollow handle, French gray .....per dozen **JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

BUTTER SPREADERS.



No. 132—Heather, solid handle, French gray .....per dozen **CDJ** $6.33

ONE-HALF DOZEN IN A BOX.



No. 133—Heather, flat handle, French gray .....per dozen **DAJ** $7.55

ONE-HALF DOZEN IN A BOX.

H. H. BUTTER SPREADERS.



No. 134—Heather, hollow handle, French gray .....per dozen **JHGE** $16.22

ONE-HALF DOZEN IN A BOX.

JUMBO HANDLE KNIVES AND FORKS.



No. 1433.

Knives are Made of the Finest Crucible Steel, Forks are High Grade Nickel Silver and Have Four Tines.

No. 1433—Heather, medium knives, 12 dwt. triple pate, French gray, cimeter swaged .....per dozen **CIJ** $7.22

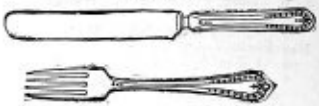
No. 1434—Heather, medium knives and forks, set consists of six No. 1433 knives and six forks to match, all 12 dwt. triple plate, French gray, per set .....**CIJ** 07.22

No. 1435—Heather, dessert knives and forks, set consists of six cimeter swaged knives and six forks to match, all 12 dwt. triple plate, French gray, per set .....**CHJ** $7.00

No. 1438—Heather, medium knives and forks, set consists of six cimeter swaged knives and six forgs to match, all 16 dwt. quadruple plate, French gray .....per set **DEJ** $8.33

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

JUMBO HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1436—Heather, medium knives and and forks, set consists of six cimeter swaged knives, 12 dwt. triple plate and six A1 spoon handle forks, French gray .....per set **DBJ** $7.78

ONE SET IN A BOX.

HOLLOW HANDLE KNIVES AND FORKS.



No. 1420.

Knife Blades are Made from Finest Crucible Steel, Knife Handles and Forks are High Grade Nickel Silver and Forks Have Four Tines.

No. 1420—Heather, medium knives, 16 dwt. quadruple plate, French gray, cimeter swaged, per dozen **JIFJ** $17.78

No. 1421—Heather, medium forks, 16 dwt. quadruple plate, French gray, per dozen .....**JIJJ** $16.66

No. 1422—Heather, dessert knives, 16 dwt. quadruple plate, French gray, cimeter swaged, per dozen **JHDJ** $15.55

No. 1424—Heather, dessert forks, 16 dwt. quadruple plate, French gray, per dozen .....**JHAJ** $15.00

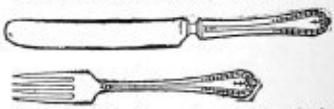
No. 1430—Heather, medium knives, 20 dwt. quintuple plate, French gray, cimeter swaged, per doz. **AJHJ** $20.00

No. 1431—Heather, medium forks, 20 dwt. quintuple plate, French gray, per dozen .....**AJBJ** $18.88

No. 1432—Heather, medium knives and forks, set consists of six knives and six forks, all 20 dwt. quintuple plate, French gray.....per set **AJEJ** $19.44

ONE-HALF DOZEN IN A BOX.

HOLLOW HANDLE KNIVES AND FLAT SPOON HANDLE FORKS.



No. 1427—Heather, set consists of six 16 dwt. quadruple plated hollow handle knives, cimeter swaged, and six flat spoon handle forks, 12 dwt. triple plate, French gray, per set .....**JGGJ** $14.22

ONE-HALF DOZEN KNIVES OR FORKS IN A BOX; ONE SET 6 KNIVES AND 6 FORKS IN A BOX.

Every piece of Silver Plate bearing the GVB trade mark guaranteed to give perfect satisfaction and unconditionally warranted.

SILVERWARE ASSORTMENTS IN CHESTS.

Substantial Wood Chest, Covered with Green Leatherette, White Brocade Lined Brass Catch and Drawer Pull, Containing 26 Pieces as Follows—

6 Triple Plated Solid Handle Medium Knives.
6 Triple Plated Solid Handle Medium Forks.
6 A1 Tea Spoons.
6 A1 Table Spoons.
A1 Sugar Shell.
A1 Butter Knife.

No. 23 —Pilgrim pattern, per assortment .....JHGE $16.12

No. 24 —Ivanhoe pattern, per assortment .....JHGE 16.12

No. 25 —Heather pattern, per assortment .....JHGE 16.12

Substantial Wood Chest, Covered with Green Leatherette, White Brocade Lined, Brass Catch and Drawer Pull, Containing 50 Pieces, as Follows—

12 Triple Plated Solid Handle Knives.
12 Triple Plated Solid Handle Forks.
12 A1 Tea Spoons.
6 A1 Dessert Spoons.
6 A1 Table Spoons.
A1 Sugar Shell.
A1 Butter Knife.

No. 30 —Pilgrim pattern, per assortment .....AFGE $31.10

No. 31 —Ivanhoe pattern, per assortment .....AFGE 31.10

No. 32 —Heather pattern, per assortment .....AFGE 31.10



No. 15 Assortment.

Medium Weight Chest, Made of First Quality Oak, Light Golden Oak Finish, Hand Rubbed, White Satin Lined, First Quality Brass Corners, Handles and Drawer Pull, Containing 26 Pieces, as Follows—

6 Hollow Handle Medium Knives.
6 Triple Plated Medium Forks.
6 Triple Plated Tea Spoons.
6 Triple Plated Taole Spoons.
A1 Sugar Shell.
A1 Butter Knife.

No. 16 —Pilgrim pattern, per assortment .....AEBE $28.32

No. 15 —Ivanhoe pattern, per assortment .....AEBE 28.32

No. 14 —Heather pattern, per assortment .....AEBE 28.32

Heavy Weight Chest, Made of the Finest Quality Oak, Light Golden Oak Finish, Hand Rubbed Three Times, White Silk Lined, Fitted with Lock and Key, Containing 30 Pieces, as Follows

6 Hollow Handle Medium Knives.
6 Triple Plated Medium Forks.
12 Triple Plated Tea Spoons.
6 Triple Plated Table Spoons.

No. 33 —Pilgrim pattern, per assortment .....AIGE $36.66

No. 34 —Ivanhoe pattern, per assortment .....AIGE 36.66

No. 35 —Heather pattern, per assortment .....AIGE 36.66

Heavy Weight Case, Made of the Finest Quality Oak, Light Golden Oak Finish, Hand Rubbed Three Times, White Silk Lined, Fitted with Lock and Key, Containing 48 Pieces, as Follows—

12 Hollow Handle Medium Knives.
12 Triple Plated Medium Forks.
12 Triple Plated Tea Spoons.
6 Triple Plated Dessert Spoons.
6 Triple Plated Table Spoons.

No. 36 —Pilgrim pattern, per assortment .....CCJJ $61.10

No. 37 —Ivanhoe pattern, per assortment .....CCJJ 61.10

No. 38 —Heather pattern, per assortment .....CCJJ 61.10

SILVERWARE ASSORTMENTS IN FLAT CASES.



Case Covered with Fine White Kid, Embossed Paper, Lined with White Brocade, Containing 24 Pieces, as follows—

6 Triple Plated Solid Handle Knives.
6 Triple Plated Solid Handle Forks.
6 A1 Tea Spoons.
6 A1 Table Spoons.

No. 40 —Pilgrim pattern, per assortment JHDJ $15.54
No. 41 —Ivanhoe pattern, per assortment JHDJ 15.54
No. 42 —Heather pattern, per assortment JHDJ 15.54

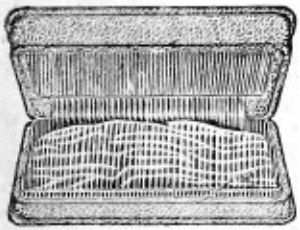
Case Covered with Fine White Kid Embossed Paper, Lined with White Brocade, Containing 48 Pieces, as follows—

12 Triple Plated Solid Handle Medimu Knives.
12 Triple Plated Solid Handle Medium Forks.
12 Triple Plated Tea Spoons.
6 Triple Plated Dessert Spoons.
6 Triple Plated Table Spoons.

No. 43 —Pilgrim pattern, per assortment AHJJ $33.32
No. 44 —Ivanhoe pattern, per assortment AHJJ 33.32
No. 45 —Heather pattern, per assortment AHJJ 33.32

SILVERWARE BOXES, SILVERWARE CHESTS AND SHOW CASE TRAYS.

LEATHERETTE SILVERWARE BOXES.



Covered with Fine White, Brown or Green Kid Embossed Paper, Lined With White Brocade, Flange Top and Base.

No. 63-K—6 Tea Spoons, per dozen .....DBJ $7.00

No. 65-K—6 Table Spoons, per dozen .....JFCJ $10.50

No. 85-K—6 Knives and 6 Forks, per dozen .....JIJJ $15.00

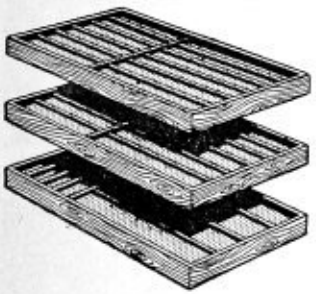
No. 75-K—6 Fruit Knives, per dozen .....EJJ $8.30

No. 176-K—6 Knives, 6 Forks, 6 Tea Spoons and 6 Table Spoons, per dozen .....AGAJ $38.50

No. 186-K—12 Knives, 12 Forks, 12 Tea Spoons and 12 Table Spoons, per dozen .....EJDJ $84.00

No. 156-K—Comb, Brush and Mirror, per dozen .....AAGJ $19.50

SILVER WARE DISPLAY TRAYS.



No. 50—12 in. wide x 16 in. long, heavy wood frame, purple plush lined, each tray divided into various sized sections for holding different pieces of silver from largest to smallest, three trays in a set, w't per set 3½ lbs., per set .....CFJ $6.00

The above trays fit on second shelf of all floor cases, and will enable dealer to make a handsome display of his silver by placing one piece of the various sets on the tray.

WE DO NOT BREAK SETS.

PAPER SILVERWARE BOXES.



Covered with Green Skytogen or Mist Gray Paper, Lift Off Covers, Lined with White Ribbed Sateen.

No. 1901—6 Tea Spoons, per dozen .....BAJ $3.50

No. 1904—6 Dessert Spoons, per dozen .....BDJ $4.00

No. 1902—1 Sugar Shell, per dozen .....ACJ $2.20

No. 1906—1 Butter Knife, per dozen .....ACJ $2.20

No. 1909—6 Knives and 6 Forks, per dozen .....CFJ $6.00

No. 1915—6 Table Spoons, per dozen .....CJJ $5.00

UNLINED PAPER BOXES.



Covered with Green Enameled Paper.

No. 112—Pocket Knife, per dozen .....BE $0.40

No. 178—1 Tea Spoon, per dozen .....CE $0.60

No. 179—6 Tea Spoons, per dozen .....CE $0.60

No. 187—6 Table Spoons, per dozen .....JFJ $1.00

SILVERWARE ROLLS.



Maroon Cotton Flannel.

No. 1-R—6 Tea Spoons, per dozen .....BIJ $4.80

No. 2-R—12 Tea Spoons, per dozen .....CFJ $6.00

No. 3-R—6 Table Spoons, per dozen .....DCJ $7.20

No. 4-R—12 Table Spoons, per dozen .....EJE $8.40

No. 8-R—12 Knives, per dozen .....EGE $9.60

No. 21-R—6 Knives and 6 Forks, per dozen .....EAJ $8.49

SILVERWARE CHESTS.



Wood Frame, Covered with Green Leatherette, White Brocade Lined.

No. 260—Holds 6 Knives, 6 Forks, 6 Tea Spoons, 6 Table Spoons, 1 Butter Knife and 1 Sugar Shell, each .....JIJ $1.50

No. 500—Holds 12 Knives, 12 Forks, 12 Tea Spoons, 6 Dessert Spoons and 6 Table Spoons.....each AHJ $3.00



Medium Weight Chest, Made of First Quality Oak, Light Golden Oak Finish, Hand Rubbed, White Satin Lined, Burnished Brass Corners, Handles and Drawer Pull.

No. 265—Holds 6 Knives, 6 Forks, 6 Tea Spoons, 6 Table Spoons, 1 Butter Knife and 1 Sugar Shell, each .....BGJ $4.50

Heavy Weight Chest, Made of the Finest Quality Oak, Light Golden Oak Finish, Hand Rubbed Three Times, White Silk Lined, Plain without Mountings, Fitted with Lock and Key.

No. 305—Holds 6 Knives, 6 Forks, 12 Tea Spoons and 6 Table Spoons, each .....JGBJ $12.00

No. 485—Holds 12 Knives, 12 Forks, 12 Tea Spoons and 12 Table Spoons, each .....AJHJ $18.00

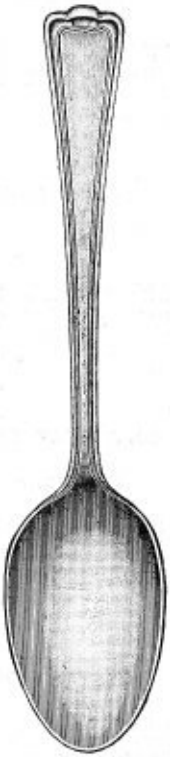
"1847 ROGERS BROS." SILVER PLATED WARE.



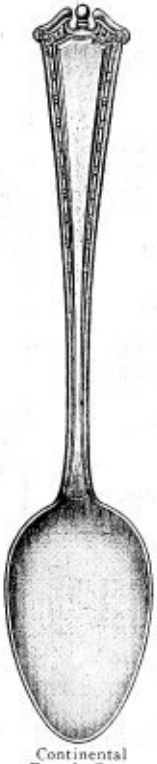
Tipped Bright.



Old Colony
French Gray.



Cromwell
Bright.



Continental
French Gray.



Vintage
French Gray.

XS TRIPLE PLATE.

	Tea Spoons.		Dessert Spoons.		Table Spoons.		Dessert Forks.		Medium Forks.	
Tipped .....per dozen	BEJ	4.59	DDE	8.10	EJJ	9.18				
Old Colony .....per dozen	BHJ	5.13	EJJ	9.18	JEFJ	10.26	EJJ	$9.18	JEFJ	$10.26
Cromwell .....per dozen	BHJ	5.13	EJJ	9.18	JEFJ	10.26	EJJ	9.18	JEFJ	10.26
Continental .....per dozen	BHJ	5.13	EJJ	9.18	JEFJ	10.26	EJJ	9.18	JEFJ	10.26
Vintage .....per dozen	BHJ	5.13	EJJ	9.18	JEFJ	10.26	EJJ	9.18	JEFJ	10.26

ONE DOZEN IN A BOX.

"1847 ROGERS BROS." SILVER PLATED WARE.

FANCY PIECES, X. S. TRIPLE PLATED.

BUTTER KNIVES.

Tipped	per dozen	J E I E	$10.80
Old Colony	per dozen	J F B E	11.34
Cromwell	per dozen	J F B E	11.34
Continental	per dozen	J F B E	11.34
Vintage	per dozen	J F B E	11.34

ONE DOZEN IN A BOX.

SUGAR SHELLS.

Plain Bowl.

Tipped	per dozen	D G E	$8.64
Old Colony	per dozen	E C E	9.72
Cromwell	per dozen	E C E	9.72
Continental	per dozen	E C E	9.72
Vintage	per dozen	E C E	9.72

ONE DOZEN IN A BOX.

BABY SPOONS.

Old Colony	per dozen	D D E	$8.10
Cromwell	per dozen	D D E	8.10
Continental	per dozen	D D E	8.10
Vintage	per dozen	D D E	8.10

ONE IN A LINED BOX.

COFFEE SPOONS.

Plain Bowl.

Old Colony	per dozen	B H J	$5.08
Cromwell	per dozen	B H J	5.08
Continental	per dozen	B H J	5.08
Vintage	per dozen	B H J	5.08

ONE-HALF DOZEN IN A LINED BOX.

ORANGE SPOONS.

Plain Bowl.

Old Colony	per dozen	C E E	$6.48
Cromwell	per dozen	C E E	6.48
Continental	per dozen	C E E	6.48
Vintage	per dozen	C E E	6.48

ONE-HALF DOZEN IN A LINED BOX.

BOUILLON SPOONS.

Plain Bowl.

Old Colony	per dozen	E C E	$9.72
Cromwell	per dozen	E C E	9.72
Continental	per dozen	E C E	9.72
Vintage	per dozen	E C E	9.72

ONE-HALF DOZEN IN A LINED BOX.

ROUND BOWL SOUP SPOONS.

Plain Bowl.

Old Colony	per dozen	J F B E	$11.34
Cromwell	per dozen	J F B E	11.34
Continental	per dozen	J F B E	11.34
Vintage	per dozen	J F B E	11.34

ONE-HALF DOZEN IN A LINED BOX.

BERRY SPOONS.

Plain Bowl.

Old Colony	per dozen	A D D J	$25.92
Cromwell	per dozen	A D D J	25.92
Continental	per dozen	A D D J	25.92
Vintage	per dozen	A D D J	25.92

ONE IN A LINED BOX.

COLD MEAT FORKS.

Plain Tines.

Old Colony	per dozen	J I A A	$16.20
Cromwell	per dozen	J I A A	16.20
Continental	per dozen	J I A A	16.20
Vintage	per dozen	J I A A	16.20

ONE IN A LINED BOX.

OYSTER FORKS.

Old Colony	per dozen	C G E	$6.80
Cromwell	per dozen	C G E	6.80
Continental	per dozen	C G E	6.80
Vintage	per dozen	C G E	6.80

ONE-HALF DOZEN IN A LINED BOX.

PICKLE FORKS.

Length 7½ Inches.

Old Colony	per dozen	J G H J	$14.64
Cromwell	per dozen	J G H J	14.64
Continental	per dozen	J G H J	14.64
Vintage	per dozen	J G H J	14.64

ONE IN A LINED BOX.

INDIVIDUAL SALAD FORKS.

Old Colony	per dozen	J F B J	$11.26
Cromwell	per dozen	J F B J	11.26
Continental	per dozen	J F B J	11.26
Vintage	per dozen	J F B J	11.26

ONE-HALF DOZEN IN A LINED BOX.

BUTTER SPREADERS.

Old Colony	per dozen	E J E	$9.18
Cromwell	per dozen	E J E	9.18
Continental	per dozen	E J E	9.18
Vintage	per dozen	E J E	9.18

ONE-HALF DOZEN IN A LINED BOX.

PIE SERVERS.

Hollow Handle.

Old Colony	per dozen	B A F J	$38.88
Cromwell	per dozen	B A F J	38.88
Continental	per dozen	B A F J	38.88
Vintage	per dozen	B A F J	38.88

ONE IN A LINED BOX.

CREAM LADLES.

Old Colony	per dozen	J G H J	$14.64
Cromwell	per dozen	J G H J	14.64
Continental	per dozen	J G H J	14.64
Vintage	per dozen	J G H J	14.64

ONE IN A LINED BOX.

GRAVY LADLES.

Old Colony	per dozen	A J H J	$19.44
Cromwell	per dozen	A J H J	19.44
Continental	per dozen	A J H J	19.44
Vintage	per dozen	A J H J	19.44

ONE IN A LINED BOX.

MEDIUM LADLES.

Old Colony	per dozen	E H H J	$51.84
Cromwell	per dozen	E H H J	51.84
Continental	per dozen	E H H J	51.84
Vintage	per dozen	E H H J	51.84

ONE IN A LINED BOX.

CHILD SETS.

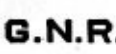
Flat Handle, Knife, Fork and Spoon.

Old Colony	per dozen	A D D J	$25.92
Cromwell	per dozen	A D D J	25.92
Continental	per dozen	A D D J	25.92
Vintage	per dozen	A D D J	25.92

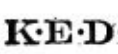
ONE SET IN A LINED BOX.

SILVERWARE HAND ENGRAVING.

We are prepared to take orders for engraving of silverware in accordance with the styles presented below for shipment with other goods. These orders can be filled reasonably prompt, the only delay being a matter of about 24 hours in what is known as the Christmas and Holiday season. We cannot accept any orders for engraving after the 15th of December for delivery during that same year.



Style 1.



Style 2.



Style 3.



Style 4.

Style 1—Block	per letter	JE	$0.08
Style 2—Roman	"	JE	.08
Style 3—Fancy script	"	JF	.10
Style 4—Old English	"	JF	.10



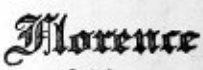
Style 5.



Style 6.



Style 7.



Style 8.

Style 5—Script initials	per letter	JC	$0.08
Style 6—Script	"	JC	.05
Style 7—Fancy script	"	Cc/d	.06
Style 8—Shaded old English	"	AB	.20

Styles 1, 2, 3, 4, 5, 6, 7 and 8 are particularly adapted to Sterling Silver Flat Ware such as Spoons, Forks, etc.


Style 9.


Style 10.


Style 11.

Style 9—Block monogram	each	BDJ.	$4.00
Style 10—Script monogram	"	ABJ	2.00
Style 11—Skeleton monogram	"	ABJ	2.00


Style 12.


Style 13.


Style 14.


Style 15.

Style 12—Fancy monogram	each	ABJ	$2.00
Style 13—Drop monogram	"	ABJ	2.00
Style 14—Ribbon monogram	"	BAJ	3.50
Style 15—Rustic monogram	"	BAJ	3.50

MONOGRAMS AND ENGRAVING LARGER THAN ABOVE ILLUSTRATIONS CORRESPONDINGLY HIGHER IN PRICES.

Styles 9, 10, 11, 12, 13, 14 and 15 are particularly adapted to Hollow Ware such as Tea Sets, Creamers, Sugars, etc.

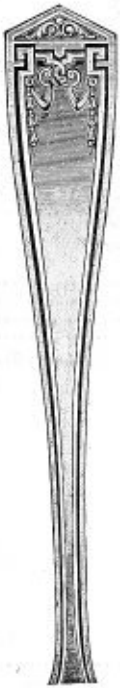
SOLID STERLING SILVER WARE.

Entire page DJ%
Guaranteed 925-1000 Fine.

SIMPSON, HALL, MILLER & CO.



Brandon,
Plain Finish.



Devonshire.
French Grey.



New Margaret.
Plain Finish.



Westminster,
French Gray.



Leicester.
Combination Finish
of Bright and
French Gray.

The cuts on this page illustrate the patterns not only on spoons, but other articles as well described on the following pages.

	Tea Spoons.		Dessert Spoons.		Table Spoons.		Dessert Forks.		Medium Forks.	
Brandon, medium weight ..... per dozen	8 oz.	$15.54	16 oz.	$31.10	20 oz.	$38.88	16 oz.	$31.10	20 oz.	$38.88
Brandon, heavy weight ..... per dozen	10 oz.	19.44	20 oz.	38.88	24 oz.	46.66	20 oz.	38.88	24 oz.	46.66
Brandon, extra heavy weight ..... per dozen	12 oz.	23.32	.....	.....	28 oz.	54.44	.....	.....	28 oz.	54.44
Devonshire, light weight ..... per dozen	6 oz.	11.66	.....	.....	.....	.....	.....	.....	.....	.....
Devonshire, medium weight ..... per dozen	8 oz.	15.54	16 oz.	31.10	20 oz.	38.88	16 oz.	31.10	20 oz.	38.88
Devonshire, heavy weight ..... per dozen	10 oz.	19.44	20 oz.	38.88	24 oz.	46.66	20 oz.	38.88	24 oz.	46.66
Devonshire, extra heavy weight ..... per dozen	12 oz.	23.32	.....	.....	28 oz.	54.44	.....	.....	28 oz.	54.44
New Margaret, light weight ..... per dozen	6 oz.	11.66	.....	.....	.....	.....	.....	.....	.....	.....
New Margaret, medium weight ..... per dozen	8 oz.	15.54	15 oz.	29.44	20 oz.	38.88	15 oz.	29.44	20 oz.	38.88
New Margaret, heavy weight ..... per dozen	10 oz.	19.44	19 oz.	37.22	24 oz.	46.66	19 oz.	37.22	24 oz.	46.66
New Margaret, extra heavy weight..... per dozen	12 oz.	23.32	.....	.....	.....	.....	.....	.....	.....	.....
Westminster, light weight ..... per dozen	6 oz.	11.66	.....	.....	.....	.....	.....	.....	.....	.....
Westminster, medium weight ..... per dozen	8 oz.	15.54	16 oz.	31.10	22 oz.	43.32	16 oz.	31.10	20 oz.	38.88
Westminster, heavy weight ..... per dozen	10 oz.	19.44	20 oz.	38.88	24 oz.	46.66	20 oz.	38.88	24 oz.	46.66
Westminster, extra heavy weight ..... per dozen	12 oz.	23.32	.....	.....	28 oz.	54.44	.....	.....	28 oz.	54.44
Leicester, light weight ..... per dozen	6 oz.	11.66	.....	.....	.....	.....	.....	.....	.....	.....
Leicester, medium weight ..... per dozen	8 oz.	15.54	16 oz.	31.10	22 oz.	42.76	16 oz.	31.10	22 oz.	42.76
Leicester, heavy weight ..... per dozen	10 oz.	19.44	20 oz.	38.88	26 oz.	50.54	20 oz.	38.88	26 oz.	50.54
Leicester, extra heavy weight..... per dozen	12 oz.	23.32	.....	.....	.....	.....	.....	.....	.....	.....

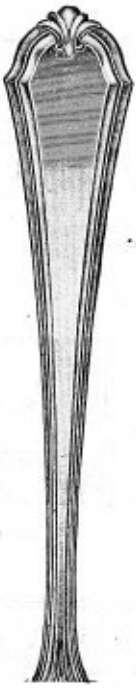
SOLID STERLING SILVER WARE

Entire page DJ%
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SIMPSON, HALL, MILLER & CO.



Edgewood.
French Gray Finish.



Shirley.
Plain Finish.



Berkeley.
Plain Finish.



New Marathon.
Bright.
Hand Engraved.



Frontenac.
French Gray Finish.

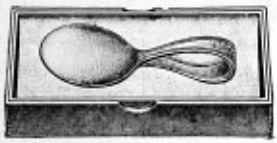
The cuts on this page illustrate the patterns not only on spoons, but other articles as well, described on following pages.

		Tea Spoons.		Dessert Spoons.		Table Spoons.		Dessert Forks.		Medium Forks.	
Edgewood, light weight	per dozen	6 oz.	$11.66	.....	.....	.....	.....	.....	.....	.....	.....
Edgewood, medium weight	per dozen	8 oz.	15.54	16 oz.	$31.10	20 oz.	$38.88	15 oz.	$29.44	20 oz.	$38.88
Edgewood, heavy weight	per dozen	10 oz.	19.44	18 oz.	35.00	24 oz.	46.66	18 oz.	35.00	24 oz.	46.66
Edgewood, extra heavy weight	per dozen	12 oz.	23.32	.....	.....	.....	.....	.....	.....	.....	.....
Shirley, light weight	per dozen	6 oz.	11.66	.....	.....	.....	.....	.....	.....	.....	.....
Shirley, medium weight	per dozen	8 oz.	15.54	15 oz.	29.44	20 oz.	38.88	15 oz.	29.44	20 oz.	38.88
Shirley, heavy weight	per dozen	10 oz.	19.44	18 oz.	35.00	24 oz.	46.66	18 oz.	35.00	24 oz.	46.66
Shirley, extra heavy weight	per dozen	12 oz.	23.32	.....	.....	.....	.....	.....	.....	.....	.....
Berkeley, medium weight	per dozen	8 oz.	15.54	.....	.....	.....	.....	.....	.....	.....	.....
Berkeley, heavy weight	per dozen	10 oz.	19.44	18 oz.	35.00	24 oz.	46.66	18 oz.	35.00	24 oz.	46.66
Berkeley, extra heavy weight.....	per dozen	12 oz.	23.32	.....	.....	.....	.....	.....	.....	.....	.....
New Marathon, medium weight	per dozen	8 oz.	19.44	15 oz.	34.44	20 oz.	45.00	15 oz.	34.44	20 oz.	45.00
New Marathon, heavy weight	per dozen	10 oz.	23.32	19 oz.	42.20	24 oz.	52.76	19 oz.	42.20	24 oz.	52.76
New Marathon, extra heavy weight...	per dozen	12 oz.	27.22	.....	.....	.....	.....	.....	.....	.....	.....
Frontenac, medium weight	per dozen	8 oz.	16.66	18 oz.	36.66	.....	.....	18 oz.	36.66	.....	.....
Frontenac, heavy weight	per dozen	10 oz.	20.00	22 oz.	43.88	24 oz.	48.32	22 oz.	43.88	24 oz.	48.32
Frontenac, extra heavy weight	per dozen	12 oz.	23.88	26 oz.	52.22	28 oz.	56.66	26 oz.	52.22	28 oz.	56.66
Frontenac, massive weight	per dozen	14 oz.	27.76	.....	.....	.....	.....	.....	.....	.....	.....

SOLID STERLING SILVER WARE

SIMPSON, HALL, MILLER & CO.

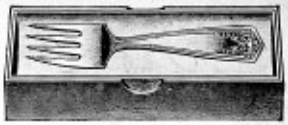
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Guaranteed 925-1000 Fine.



Baby Spoon—Devonshire Pattern.



Ind. Salt Spoon—New Margaret Pattern.



Baby Fork, Flat Handle—Devonshire Pattern.



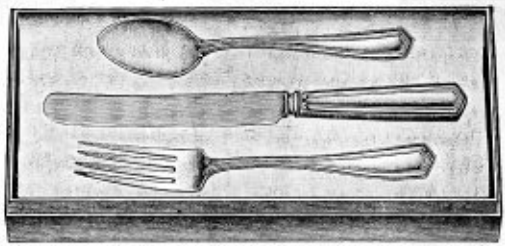
Sterling silver hollow handle knife—Frontenac Pattern, steel blade, heavily silver plated.



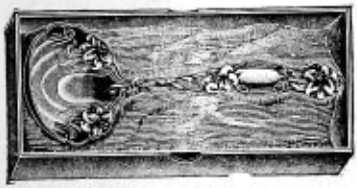
Sterling silver hollow handle knife—New Margaret Pattern, steel blade, heavily silver plated.



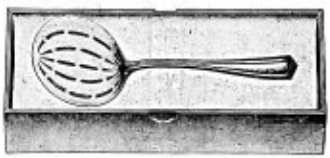
Sterling silver hollow handle knife—Brandon Pattern, steel blade, heavily silver plated.



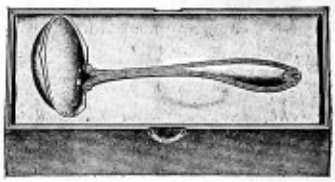
Child's Set—Brandon Pattern.



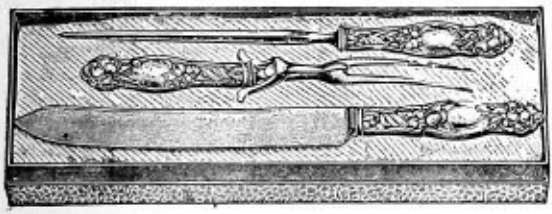
Gravy Ladle Frontenac Pattern.



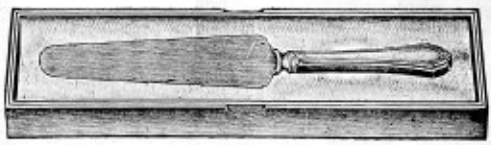
Tomato Server—Brandon Pattern.



Gravy Ladle—New Margaret Pattern.



Carving Set with guard—Frontenac Pattern.



Pie Server, hollow handle—Shirley Pattern.

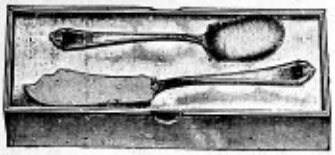
	Frontenac Plain	Brandon Plain	Devon-Shire Plain	Edge-Wood Plain	New Margaret Plain	Leicester Plain	West-Minster Plain	Berk-eley Plain	New Marathon Plain	Shirley Plain
Baby Spoons, each	$1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	2.24	1.88
Individual Salt Spoon, per dozen	7.50	6.00	6.00	6.00	6.00	6.00	6.00	6.00	10.38	6.00
Children's Sets, set	6.88	6.88	6.88	6.88	6.88	6.88	6.88	7.50	7.38	6.88
Tomato Servers, each	....	8.13	8.13	7.50	7.50	7.50	8.13	8.13	8.13	7.50
Baby Forks, each	....	1.88	1.88	....	....	....	1.88	1.88	....	....
Medium Knives, per dozen	42.50	42.50	42.50	42.50	41.25	42.50	42.50	42.50	48.13	42.50
Dessert Knives, per dozen	37.50	37.50	37.50	37.50	36.25	37.50	37.50	37.50	41.88	37.50
Carving Sets, 3 pieces, per set	27.50	26.25	26.25	27.50	27.50	27.50	26.25	26.25	29.38	27.50
Game Sets, 2 pieces, per set	16.25	16.25	16.25	16.25	16.25	16.25	16.25	16.25	17.50	16.25
Chop Sets, 2 pieces, per set	7.50	8.75	8.75	7.50	7.50	7.50	9.25	8.75	8.50	7.50
Pie Servers, hollow handle, each	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.50	5.00
Cream Ladles, large, each	4.25	3.75	3.75	3.75	3.75	3.75	3.75	3.75	4.13	3.75
Mayonnaise Ladles, each	2.88	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.88	2.50
Gravy Ladles, each	10.00	7.50	7.50	7.50	6.25	7.50	6.88	7.50	6.75	7.50
Oyster Ladles, each	21.88	18.75	18.75	15.00	14.38	15.00	18.75	18.75	15.00	15.00
Medium Ladles, each	....	....	....	....	20.00	....	....	....	20.63	....
Soup Ladles, each	30.00	18.75	18.75	23.38	....	22.50	18.75	18.75	....	22.50
Punch Ladles, each	....	20.00	20.00	....	20.00	....	27.50	....	20.63	....

The articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 *and* 1781.

SOLID STERLING SILVER WARE.

Entire Page DJ%.
Guaranteed 925-1000 Fine.

SIMPSON, HALL, MILLER & CO.



Butter Knife and Sugar Shell Set—Shirley Pattern.



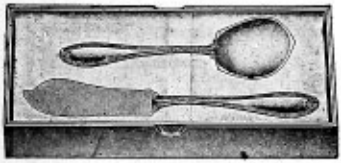
Sugar Shell—Edgewood Pattern.



Sugar Shell—Frontenac Pattern.



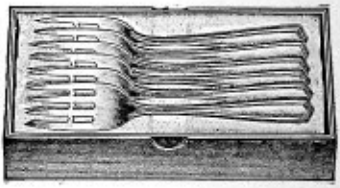
No. 65—Combination Set, Butter Knife, Sugar Shell and Cream Ladle—Frontenac Pattern.



Butter Knife and Sugar Shell—New Margaret Pattern.



Butter Knife—Brandon Pattern.



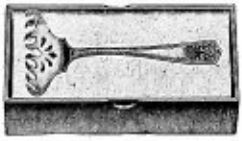
Individual Salad Forks—Brandon Pattern.



Butter Knife—New Margaret Pattern.



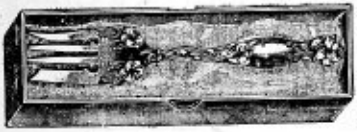
Butter Knife and Sugar Shell Set . Edgewood Pattern.



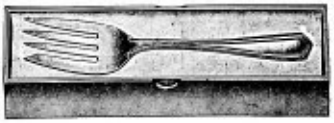
Sardine Fork—Devonshire Pattern.



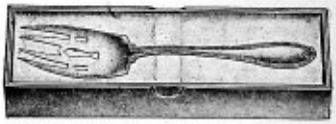
Small Cold Meat Fork.—Shirley Pattern.



Large Meat Fork—Frontenac Pattern.



Large Meat Fork—Brandon Pattern.



Small Meat Fork—New Margaret Pattern.

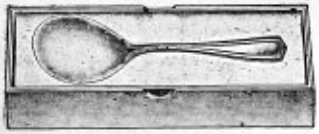
	Frontenac	Brandon	Devonshire	Edgewood	New Margaret	Leicester	Westminster	Berkeley	New Marathon	Shirley
	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain
Butter Knife and Sugar Shell Set, per set	$7.00	6.25	6.25	6.75	6.50	6.50	6.25	6.63	7.25	6.50
Butter Knives each	4.13	3.75	3.75	3.75	3.75	3.75	3.75	3.75	4.13	3.75
Sugar Shells each	2.88	2.50	2.50	3.00	2.75	2.75	2.50	2.88	3.13	2.75
No. 65 Combination Sets per set	11.25	8.75	8.75	9.25	9.00	9.00	8.75	9.03	10.13	9.00
Ind. Salad Forks per dozen	45.00	39.00	39.00	37.50	33.75	35.00	33.75	39.00	39.38	37.50
Cold Meat Forks, large each	7.50	8.13	8.13	7.50	7.50	7.50	8.13	8.13	8.13	7.50
Cold Meat Forks, small each	5.00	5.00	5.00	4.75	4.75	4.75	5.00	5.63	5.25	4.75
Sardine Forks each	3.75	4.00	4.00	3.75	3.75	3.75	4.00	4.00	4.13	3.75

Most of the articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 *and* 1781.

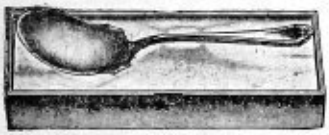
SOLID STERLING SILVER WARE.

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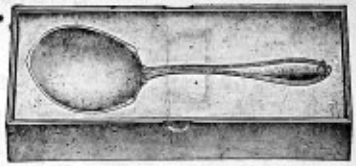
Berry Spoon—Brandon Pattern.



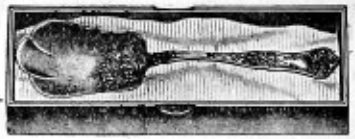
Berry Spoon—Shirley Pattern.



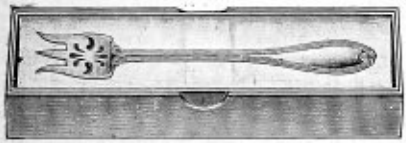
Bent Baby Spoon and Food Pusher—Brandon Pattern.



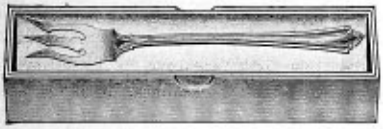
Berry Spoon—Edgewood Pattern.



Berry Spoon—New Margaret Pattern.



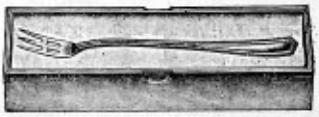
Pickle Fork—New Margaret Pattern.



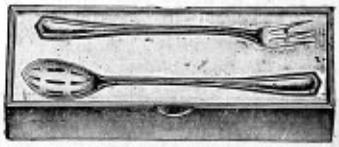
Olive Fork—Westminster Pattern.



Bonbon Spoon.
New Margaret Pattern.



Pickle Fork—Brandon Pattern.



Olive Set—Brandon Pattern.



Coffee Spoons.
Edgewood Pattern.



Coffee Spoons.
Shirley Pattern.



Coffee Spoons.
Leicester Pattern.



Coffee Spoons.
New Margaret Pattern.

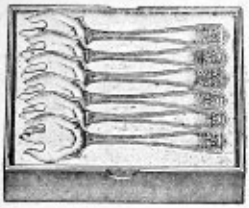
		Frontenac	Brandon	Devonshire	Edgewood	New Margaret	Leicester	Westminster	Berkeley	New Marathon	Shirley
		Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain
Berry Spoons	each	$10.63	10.00	10.00	9.38	9.38	9.38	10.00	10.00	10.00	9.38
Pickle Forks, regular	each	2.50	2.38	2.38	2.50	2.50	2.50	2.38	2.50	2.88	2.50
Pickle Forks, large	each	4.13	3.75	3.75	3.75	....	3.75	3.75	3.75	....	3.75
Olive Forks, large	each	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	4.13	3.75
Olive Forks, small	each	2.50	2.38	2.38	2.50	2.13	2.13	2.38	2.50	2.50	2.13
Olive Sets, large	per set	8.13	7.88	7.88	7.88	7.88	7.88	7.88	8.13	8.63	7.88
Olive Sets, small	per set	5.25	4.88	4.88	5.00	4.38	4.38	4.88	5.25	5.13	4.38
Baby Sets	per set	3.75	4.38	4.38	4.00	4.00	4.00	4.38	4.38	4.75	4.00
Bon Bon Spoons, large	each	3.25	2.75	2.75	2.88	2.50	2.88	....	2.75	2.88	2.88
Bon Bon Spoons, small	each	2.13	....	....	.....	.....	.....	.....	.....	.....	.....
Coffee Spoons, large	per dozen	13.75	13.75	13.75	13.13	13.13	13.13	....	13.75	17.50	13.13
Coffee Spoons, small	per dozen	12.50	11.88	11.88	11.25	11.25	11.25	11.88	11.88	15.63	11.25

Most of the articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 and 1781.

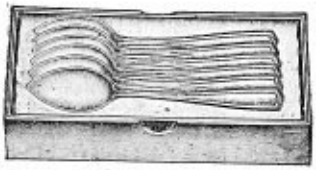
SOLID STERLING SILVER WARE.

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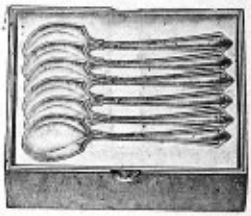
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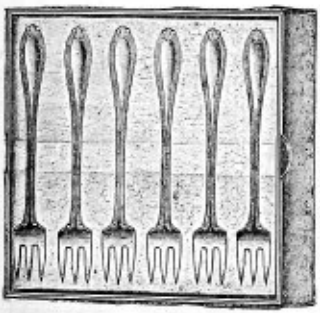
Ice Cream Forks—Devonshire Pattern.



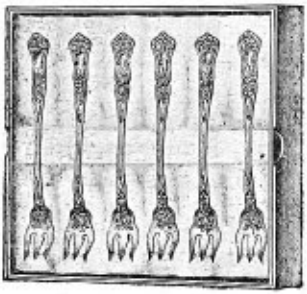
Orange Spoons—Brandon Pattern.



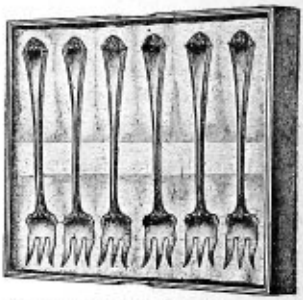
Ice Cream Spoons—Westminster Pattern



Orange Spoons—New Margaret Pattern.



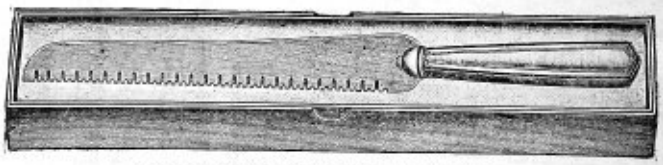
Oyster Forks—Edgewood Pattern.



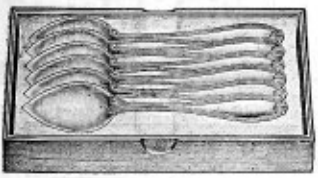
Oyster Forks—Shirley Pattern.



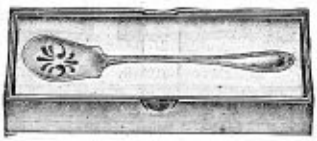
Salad Fork—Devonshire Pattern.



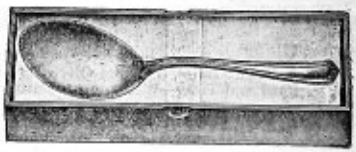
Bread Knife, Hollow Handle—Brandon Pattern.



Olive Spoon—New Margaret Pattern.



Olive Spoon—New Margaret Pattern.



Salad Spoon—Brandon Pattern.

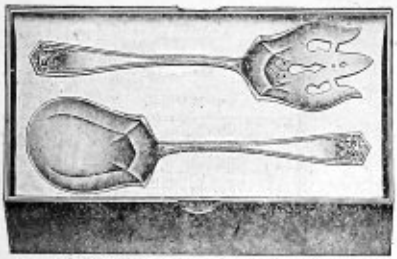
	Frontenac	Brandon	Devonshire	Edgewood	New Margaret	Leicester	Westminster	Berkeley	New Marathon	Shirley
	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain
Ice Cream Spoons .....per dozen	$35.00	26.25	26.25	32.50	25.00	32.50	26.25	26.25	29.38	32.50
Ice Cream Forks.....per dozen	33.75	27.50	27.50	32.50	25.00	32.50	27.50	27.50	29.38	32.50
Oyster Forks .....per dozen	22.50	22.50	22.50	22.50	22.50	22.50	17.50	22.50	26.88	22.50
Orange Spoons .....per dozen	33.75	27.50	27.50	31.25	.....	27.50	27.50	27.50	30.63	27.50
Bread Knives, hollow handle, each	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	6.25	5.63
Olive Spoons, large .....each	4.38	4.13	4.13	4.13	4.13	4.13	4.13	4.38	4.50	4.13
Olive Spoons, small .....each	2.75	2.50	2.50	2.50	2.25	2.25	2.50	2.75	2.63	2.25
Salad Spoons .....each	10.00	8.13	8.13	8.13	7.50	7.50	8.13	8.13	8.13	7.50
Salad Forks .....each	10.00	8.13	8.13	8.13	7.50	7.50	8.13	8.13	8.13	7.50

The articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 *and* 1781.

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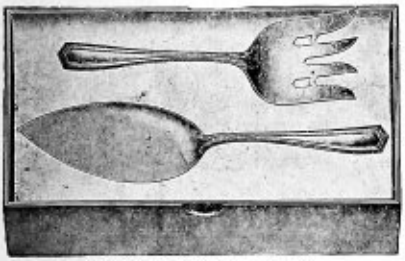
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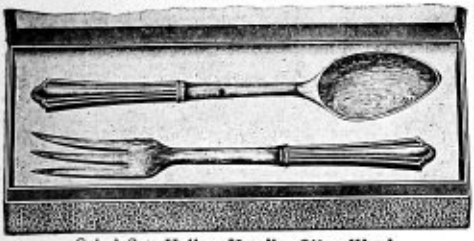
Salad Set—Devonshire Pattern



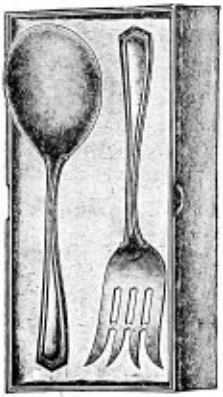
Lettuce Fork—Frontenac Pattern.



Fish Set—Brandon Pattern.



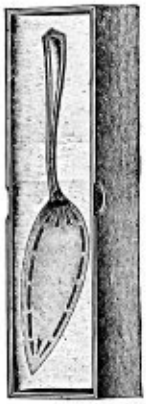
Salad Set, Hollow Handle, Olive Wood Bowl and Tines—Westminster Pattern.



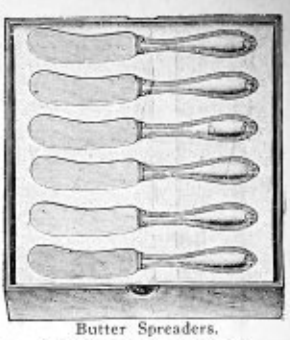
Salad Set—Brandon Pattern.



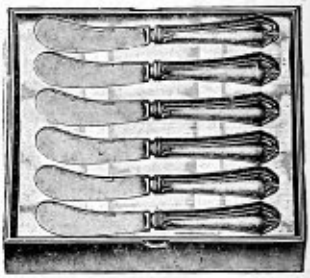
Pie Knife.
Leicester Pattern.



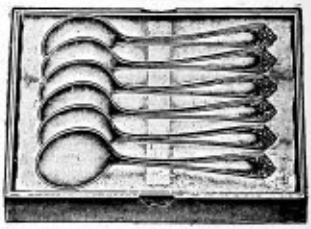
Cake Server.
Brandon Pattern.



Butter Spreaders.
New Margaret Pattern.



Butter Spreaders, Hollow Handle.
Shirley Pattern.



Bouillon—Spoons—Leicester Pattern.

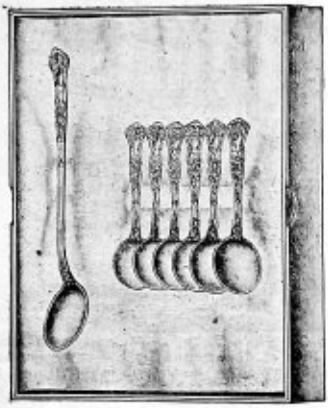
	Frontenac Plain	Brandon Plain	Devonshire Plain	Edgewood Plain	New Margaret Plain	Leicester Plain	Westminster Plain	Berkeley Plain	New Marathon Plain	Shirley Plain
Salad Sets .....per set	$20.00	16.25	16.25	16.25	15.00	15.00	16.25	16.25	16.25	15.00
Fish Sets .....per set	26.25	23.13	23.13	21.88	19.38	21.88	23.13	23.75	20.63	21.88
Fish Forks .....each	11.88	9.38	9.38	10.00	7.50	10.00	9.38	10.00	8.13	10.00
Fish Knives .....each	14.38	13.75	13.75	11.88	11.88	11.88	13.75	13.75	12.50	11.88
Lettuce Forks .....each	4.38	4.50	4.50	4.75	4.75	4.75	....	4.50	5.13	4.75
Fish Forks, individual...per dozen	50.00	40.50	40.50	39.75	39.00	39.00	40.50	40.50	44.63	39.00
Butter Spreaders, hollow handle, per dozen	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	34.38	30.00
Round Bowl Soup Spoons, medium weight only .....per dozen	36.66	31.10	31.10	31.10	29.44	31.10	31.10	35.00	34.44	35.00
Pie Knives, large .....each	11.25	....	....	10.25	....	10.00	....	....	....	10.00
Butter Spreaders, large flat handle .....per dozen	31.25	31.50	31.50	30.00	30.00	30.00	31.50	31.50	34.38	30.00
Butter Spreaders, small flat handle .....per dozen	....	25.00	25.00	25.00	25.00	25.00	25.00	25.00	29.38	25.00
Bouillon Spoons .....per dozen	23.75	23.75	23.75	22.50	22.50	25.00	23.75	23.75	26.88	23.75
Cake Servers .....each	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.63	6.25
Salad Sets, hollow handle, Olive Wood Bowl and Tines ....per set	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	8.50	7.50

The articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 and 1781.

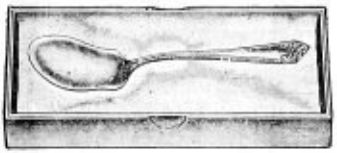
SOLID STERLING SILVER WARE.

SIMPSON, HALL, MILLER & CO.

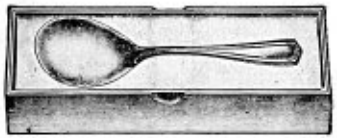
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Guaranteed 925-1000 Fine.



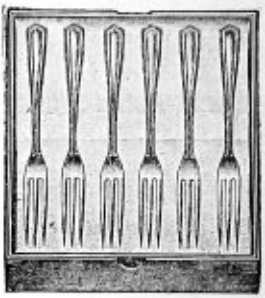
Chocolate Set, 7 Pieces.
Edgewood Pattern.



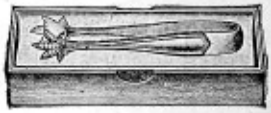
Jelly Shell—Leicester Pattern.



Jelly Spoon—Brandon Pattern.



Fruit Forks—Brandon Pattern.



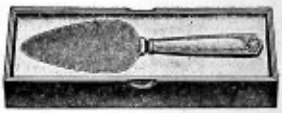
Brandon Sugar Tongs.



Sugar Tongs—Devonshire Pattern.



Cheese Scoop—Westminster Pattern.



Cheese Server—Devonshire Pattern.

	Frontenac	Brandon	Devonshire	Edgewood	New Margaret	Leicester	Westminster	Berkeley	New Marathon	Shirley
	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain	Plain
Berry Forks .....per dozen	$15.00	16.88	16.88	15.00	15.00	16.25	16.88	16.88	19.38	15.00
Chocolate Set, 7 pieces .....per set	10.63	13.13	13.13	13.13	13.13	13.13	.....	13.13	15.69	13.13
Chocolate Set, 13 pieces ....per set	17.50	21.88	21.88	21.88	21.88	21.88	.....	21.88	26.63	21.88
Jelly Spoons .....each	5.63	5.00	5.38	5.00	4.38	5.00	5.38	5.00	4.75	5.00
Sugar Tongs, large .....each	3.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.75	4.00
Sugar Tongs, small .....each	....	2.50	2.50	....	2.50	....	2.50	2.50	3.25	....
Cheese Scoops, hollow handle, each	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	4.25	3.75
Cheese Servers, hollow handle, ea.	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.88	2.50

Most of the articles shown on this page are made in a variety of patterns; these are illustrated on pages 1780 *and* 1781.

SOLID STERLING SILVERWARE.



No. C1207—Child's cup, burnished, gold lined, height 2½ in.....each $8.40



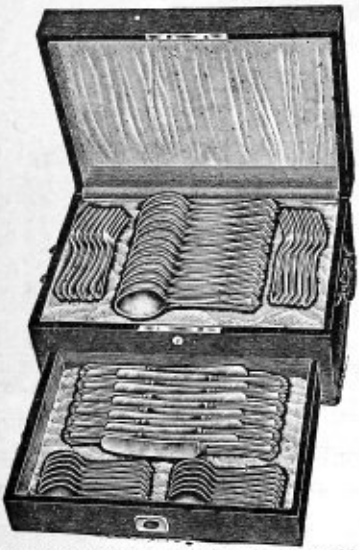
No. C3479—Mayonnaise Set, bright, in silk case, length of bowl 4½ in., each $16.25



No. C1195—Child's cup, burnished, gold lined, height 2¼ in. .....each $10.60

STERLING SILVER CHEST SETS

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Guaranteed 925-1000 Fine.



Shirley Pattern 48 Piece Set; in oak chest; white silk lining; dimensions 17¼x12⅛x8½ inches; contains 12 tea spoons, 12 table spoons, 12 medium forks, 12 medium knives, hollow handles; medium weight; **Set** $164.40; heavy weight; **Set** $183.85

		Med. Wt.	Heavy Wt.
As above;	Brandon pattern	$164.40	$183.85
" "	Leicester pattern	172.15	191.60
" "	New Margaret pattern	163.15	182.60
" "	Edgewood pattern	164.40	183.85
" "	Frontenac pattern		187.75



Edgewood Pattern 84 Piece Set; in compact mahogany chest; green velvet lining; dimensions 17¼x12¼x5¾ inches; contains 12 tea spoons, 12 dessert spoons, 12 table spoons, 12 dessert forks, 12 medium forks, 12 medium knives, hollow handles; 12 dessert knives, hollow handle; medium weight; **Set** $271.25; heavy weight.....**Set** $300.20

		Med. Wt.	Heavy Wt.
As above;	Brandon pattern	$272.90	$304.90
" "	Leicester pattern	280.65	315.70
" "	New Margaret pattern	267.10	302.10
" "	Shirley pattern	269.60	300.20
" "	Frontenac pattern		321.80



Shirley Pattern 26 Piece Set; in mahogany chest; velvet lining; dimensions 11¾x10¾x4¾ inches; contains 6 tea spoons, 6 table spoons, 6 medium forks, 6 medium knives, hollow handles; butter knife, 1 sugar shell; medium weight; **Set** $79.90; heavy weight.....**Set** $89.60

		Med. Wt.	Heavy Wt.
As above;	Brandon pattern	$79.65	$89.40
" "	Leicester pattern	83.80	93.50
" "	New Margaret pattern	79.30	89.00
" "	Edgewood pattern	80.19	89.00
" "	Frontenac pattern		92.10



Edgewood Pattern 30 Piece Set; in mahogany chest; velvet lining; dimensions 12½x9x7 inches; contains 12 tea spoons, 6 table spoons, 6 medium forks, 6 medium knives, hollow handles; medium weight; **Set** $91.00; heavy weight; **Set** $102.75

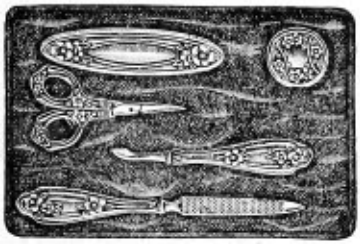
		Med. Wt.	Heavy Wt.
As above;	Brandon pattern	$91.00	$102.75
" "	Leicester pattern	94.95	106.60
" "	New Margaret pattern	90.90	102.15
" "	Shirley pattern	91.10	102.75
" "	Frontenac pattern		105.00

For larger illustration of Flat Ware in above chests see pages 1780B—1781.

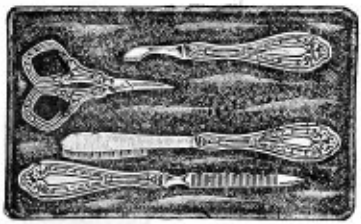
STERLING SILVER BIRTHMONTH SPOONS AND MANICURE GOODS.

Entire page DJ%
Guaranteed 925-1000 Fine.

MANICURE SETS.



No. 205—Five Piece Manicure Set.....per set $9.50



No. 204—Four Piece Manicure Set.....per set $7.00

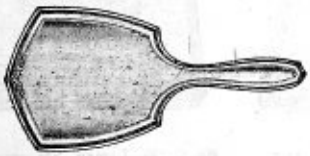
STERLING SILVER BRUSH SET—BRIGHT FINISH.



No. C547—Comb, length 7¾ in. .....each $3.40

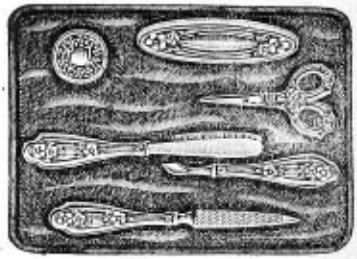


No. C547—Hair brush, length 9 in. .....each $10.90



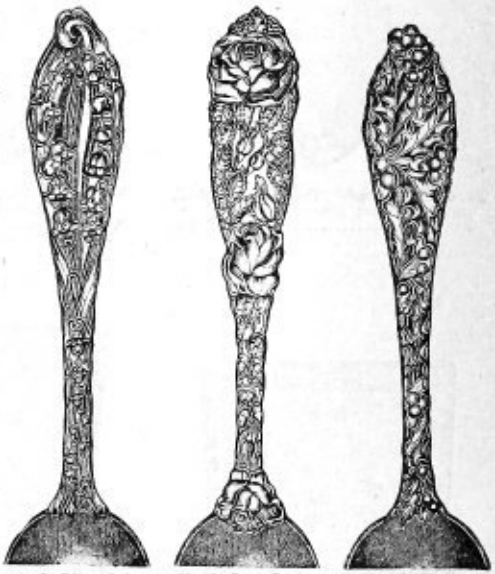
No. C547—Mirror, length 11 in. .....each $13.40

MANICURE SETS.



No. 206—Six Piece Manicure Set.....per set $12.00

LARGE SIZE BIRTHMONTH SPOONS.



No. 5—Lily of the Valley, May.

No. 6—June Rose, June.

No. 12—Holly, December.

No. 1—Wild Rose, January; No. 2—Carnation, February; No. 3—Violet, March; No. 4—Easter Lily, April; No. 7—Daisy, July; No. 8—Water Lily, August; No. 9—Poppy, September; No. 10—Cosmos, October; No. 11—Chrysanthemum, November.

All numbers, extra heavy French Gray, plain bowls, per dozen $30.00

STERLING SILVER BREAD TRAYS, BON-BONS, LEMON SETS, ETC.

Guaranteed 925-1000 Fine.

Entire page DJ%



No. C. 3627—Basket, bright; diameter 5 inches .....Each $17.50



No. C. 1126—Bonbon Dish, bright; diameter 5½ inches.....Each $7.50



No. C. 3629—Basket, bright finish; diameter 5¾ inches.....Each $19.25



No. C. 1513—Bread Tray, burnished, thread border; dimensions 11x6½ in. Each $23.40



No. C. 3058—Fruit or Salad Dish, diameter 8¼ inches.....Each $22.00
No. C. 3059—Same design, pierced border, bright finish; diameter 10 inches. Each 28.40



No. C. 1517—Bread Tray, pierced, burnished; dimensions 11¼x7 inches. Each $21.75



No. C. 737—Lemon Set, one-third size. Each $10.00



No. C. 794—Cheese Set, one-third size. Each $17.25



No. C. 736—Lemon Set, one-third size. Each $9.65

STERLING SILVER TEA SETS, SANDWICH PLATES, COMPOTIERS, Etc.

Entire page DJ⅝
Guaranteed 925-1000 Fine.



No. C. 4876—Jelly Dish, bright, pierced; diameter, 7 inches. Each $19.25



No. C. 2262—Napkin Band, bright, hand engraved..Each $5.00



No. C. 3449—Sandwich Plate, bright, pierced; diameter 9¼ in. Each $25.00
No. C. 3448—Same design; diameter 8¼ inches.....Each 19.25
No. C. 3447—Same design; diameter 7¼ inches.....Each 15.90



No. C. 4209—Compotier, bright, pierced; diameter 9 inches. Each $28.40
No. C. 4208—Same design; diameter 8 inches.....Each 23.40
No. C. 4207—Same design; diameter 7 inches.....Each 18.40
No. C. 4206—Same design; diameter 6 inches.....Each 14.25
No. C. 4205—Same design; diameter 5 inches.....Each 10.90



No. C. 1586—Coffee Pot, bright finish, ebony handle, capacity 2 pints, height 8 inches.....Each $65.00
No. C. 1586—Tea Pot, capacity 3 half pints, height 6¼ inches. Each $58.75



No. C. 1586—Sugar Bowl, height 5¼ in. Each $32.50
No. C. 1586—Tea Set, consisting of Coffee Pot, Tea Pot, Sugar, Creamer and Waste Bowl; tea and coffee pots have ebony handles .....Per set $206.25



No. C. 1586—Creamer, gold lined, height 5 inches .....Each $32.50

No. C. 1586—Waste Bowl, gold lined, height 3½ in. Each $17.50



No. C. 1588—Cream Pitcher, gold lined, height 5 inches.....Each $31.25



No. C. 1588—Sugar Bowl, height 6 inches. Each $52.50



No. C. 1588—Coffee Pot, bright finish, capacity 2½ pints, height 8½ inches. Each $97.50

No. C. 1588—Tea Set, consisting of Coffee Pot, Tea Pot, Sugar Bowl, Cream Pitcher and Waste Bowl.....Per set of 5 pieces $300.00
No. C. 1588—Tea Pot, capacity 3 half pints, height 7 inches.....Each 85.00
No. C. 1588—Waste Bowl, gold lined, height 4¼ inches.....Each 33.75

QUADRUPLE SILVER PLATED WARE



No. 1642D—Tea Pot, plain burnished, 6 half pints, height 8 inches .....Each **JIJJ** $15.00



No. 1642D—Coffee Pot, plain burnished, 7 half pints, height 9¼ inches .....Each **JICJ** $15.50



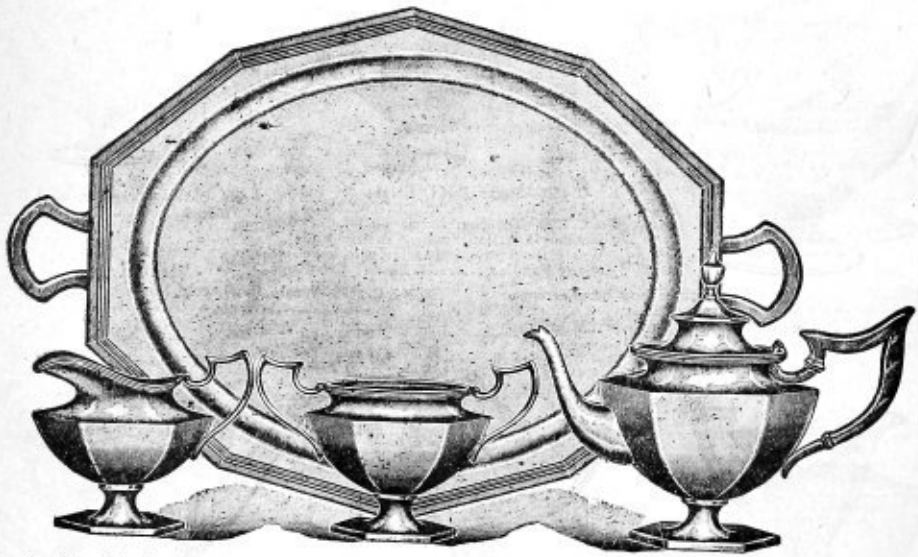
No. 1642D—Sugar Bowl, plain burnished, height 6¼ in.....Each **JFCJ** $10.50



No. 1642D—Spoon Holder, plain burnished, gold lined, height 4½ inches. Each .....**EEE** $9.25



No. 1642D—Creamer, plain burnished, gold lined, height 4¼ inches. Each .....**EEE** $9.25



No. 1642D—Tea Set, plain burnished, 5 pieces, consisting of coffee pot, tea pot, sugar bowl, creamer and spoon holder. Per set .....**CEGJ** $59.50

No. 1642D—Butter Dish, plain burnished.....Each **JFIJ** 11.50

No. 1642D—Syrup Pitcher and Plate, plain burnished.....Each **JGJE** 11.75

No. 01644—Tete-a-tete Set, 4 pieces.....Per set **BJEE** 34.25

No. 01644—Tea Pot, height 5¾ inches.....Each **JFJJ** 10.00

No. 01644—Sugar Bowl, gold lined, height 3¼ inches.....Each **DBJ** 7.00

No. 01644—Creamer, gold lined, height 4 inches.....Each **DEJ** 7.50

No. 01644—Waiter, 14½ inches.....Each **EHE** 9.75

QUADRUPLE SILVER PLATED WARE.



No. 2604—Cream pitcher, gold lined.....each **CDE** $5.75



No. 2604—Sugar Bowl, each .....**DBJ** $7.00



No. 2604—Spoon holder, gold lined.....each **CDE** $5.75



No. 2604—Butter dish, with glass drainer, each .....**EAJ** $8.50



No. 2604—Syrup pitcher and plate, each .....**DHJ** $8.00



No. 2604—Tea Pot, height 5½ in., each .....**EBE** $8.75



No. 2604—Coffee Pot, height 6 in., each .....**EHE** $9.75



No. 1602-L—Butter dish, bright silver, each .....**CFJ** $6.00



No. 1602-L—Sugar bowl, bright silver, each .....**CDE** $5.75



No. 1602-L—Cream pitcher, bright silver, gold lined, each .....**CJJ** $5.00



No. 1602-L—Waste bowl, bright silver, gold lined, each .....**BBE** $3.75



No. 1602-L—Syrup pitcher and plate, bright silver.....each **DHJ** $8.00



No. 1602-L—Tea Pot, bright silver, ebony handle, height 6¼ in., capacity 4 half pints.....each **DIE** $8.25



No. 1602-L—Coffee Pot, bright silver, ebony handle, height 7½ in., capacity 5 half pints.....each **EAJ** $8.50

No. 1602-L—Tea Set, 5 pieces, bright silver, consisting of coffee pot, tea pot, sugar bowl, cream pitcher and waste bowl, per set .....**AHGE** $31.25

QUADRUPLE SILVER PLATED WARE.



No. 2683—Tea pot .....each **EBE** $8.75



No. 2683—Coffee pot .....each **EEE** $9.25



No. 2683—Spoon holder, gold lined, each .....**BGJ** $4.50



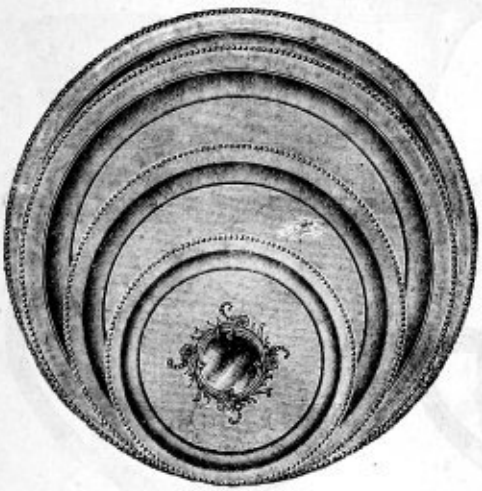
No. 2683—Sugar bowl, each **CCJ** $5.50



No. 2683—Butter dish with glass drainer .....each **DJE** $6.75

No. 2683—Tea set, 4 pieces, bright silver, engraved, consisting of tea pot, sugar bowl, creamer and spoon holder, per set .....**ACIE** $23.25

No. 2683—Tea sets, 5 pieces, bright silver, engraved, consisting of coffee pot, tea pot, sugar bowl, creamer and spoon holder .....per set **AIEJ** $32.50



Satin Engraved, Burnished Borders and Shield.

No. 613-V—Size	8	10	11	12
Each	$3.00	4.75	5.25	6.00
	AHJ	**BHE**	**CAE**	**CFJ**

No. 610-V—Oblong Waiters, above style, Size	12	14	16	19
Each	$7.25	8.75	12.25	18.25
	DCE	**EBE**	**JGCE**	**AJIE**

Ebonized Handles, extra .....**BDJ** $4.00



No. 2683—Cream pitcher, gold lined .....each **BGJ** $4.50



No. 2683—Syrup pitcher and plate.....each **DJE** $6.75

QUADRUPLE SILVER PLATED WARE.



No. 2684—Butter dish with glass drainer, each .....CCJ $5.50



No. 2684—Spoon holder, gold lined, each .....AIE $3.25



No. 2684—Syrup pitcher and plate, each .....CCJ $5.50



No. 2684—Cream pitcher, gold lined, each .....AIE $3.25



No. 2684—Sugar bowl ..each BAJ $3.50



No. 2684—Tea pot .....each CDE $5.75

No. 2684—Coffee Pot .....each CGE $6.25

No. 2684—Tea set, 4 pieces, bright silver, consisting of tea pot, sugar bowl, creamer and spoon holder, per set JIDE $15.75

BAKING DISHES.



No. 2032—Plain, capacity 5 half pints, iron porcelain lining, each .....JFJJ $10.00



No. 2884—Bright silver, gray silver decoration, 8 in. porcelain lining, each .....EBE $8.75



No. 2878V—English engraved, bright silver, 8 in. lining.....each DEJ $7.50



No. 2825V—Fluted bright silver, 8 in. lining .....each EDJ $9.00

FERN DISH.



No. 4923—Bright silver, English engraved, diameter over all 8½ in., diameter of porcelain lining 6½ in., each .....EAJ $8.50



No. 2831V—Satin bright cut, 8 in. lining .....each EEE $9.25

QUADRUPLE SILVER PLATED HOTEL WARE

PLAIN, POLISHED, EXTRA HEAVY METAL.



No. 2667V—Cream Pitcher, ¼ pint, each .....AJE $1.75
No. 2667V—Cream Pitcher, ½ pint, each .....AEJ 2.50
No. 2667V—Cream Pitcher, ¾ pint, each .....BAJ 3.50



No. 2667V—Spoon Holder...ea. BBE $3.75



No. 2667V—Bread Tray, burnished, 12½ in.....each BEE $4.25



No. 2667V—Pot, ½ pint ..each BDJ $4.00
No. 2667V—Pot, ¾ pint...each BEE 4.25
No. 2667V—Pot, 1 pint.....each CJJ 5.00



No. 2667V—Sugar Bowl, 4 ounce, each .....AEJ $2.50
No. 2667V—Sugar Bowl, 6 ounce, each .....AHJ 3.00
No. 2667V—Sugar Bowl, 8 ounce, each .....BAJ 3.50
No. 2667V—Sugar Bowl, 16 ounce, each .....BEE 4.25

TOAST RACK.



No. L1477—Bright.....each BAJ $3.50

TOAST RACK.



No. L1478—Bright.....each BDJ $4.00



	Tureen. Each.		Plate. Each.	
No. 2667V— Tureen, ¾ pint....	BBE	$3.75	JJ	$1.50
No. 2667V— Tureen, 1 pint.....	BEE	4.25	ABJ	2.00
No. 2667V— Tureen, 1½ pint...	CAE	5.25	ACE	2.25
No. 2667V— Tureen, 2 pints....	CGE	6.25	AEJ	2.50



No. 2667V—Syrup Pitcher and Plate, each .....CJJ $5.00

CASSEROLES.



Nos.	Oval. 41-C	40-C	Round. 37-C	36-C
Cap., pts.	3	5	3	5
Each	$7.50	9.00	8.25	10.50
	DEJ	EDJ	DIE	JFCJ

Extra strong frame of solid nickel silver, heavy silver plated, pierced and chased. Fitted with first quality fireproof earthenware lining.

QUADRUPLE SILVER PLATED WARE.

BREAD TRAYS.

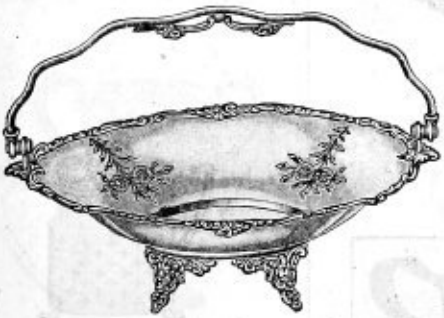


No. 1017½—Length 12½ in., bright silver Rococo border, each ..... BBE $3.75



No. 1078—Length 13 in., bright silver, grey silver decorations, each ..... BHE $4.75

CAKE BASKETS.



No. 1001—Diameter 10¼ in., satin, engraved, each ..... BHE $4.75



No. 1038—Diameter 9½ in., bright silver, English engraved, each ..... DEJ $7.50

BREAD TRAYS.



No. 1005—Length 13 in., bright silver, thread border, each ..... CDE $5.75

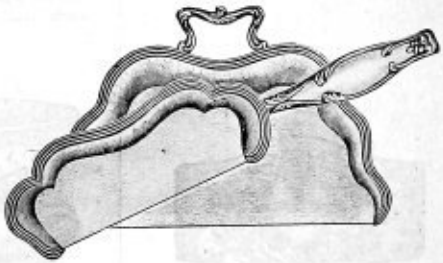


No. 1008—Length 13 in., bright silver, pierced and thread border, each ..... CHJ $6.30

CRUMB TRAYS AND SCRAPERS.



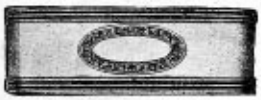
No. 3416—Bright silver, English engraved, per set EBE $8.75
No. 3416—Tray, length 8½ in., each..... CJJ $5.00
No. 3416—Scraper, length 10½ in., each..... BBL $3.75



No. 3415—Bright silver, per set..... DEJ $7.50
No. 3415—Tray, length 8½ in., each..... BDJ $4.00
No. 3415—Scraper, length 10½ in., each..... BAJ $3.50

QUADRUPLE SILVER PLATED WARE.

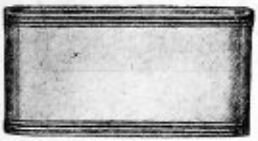
NAPKIN HOLDERS.



No. 307—Length 2¾ in., each **J G E** $1.25



No. 306—Length 2¾ in., each **A J E** $1.75



No. 312—Length 2¾ in., each **J I J** $1.50



No. 300—Butler finish, length 2¾ in., each ..... **J G E** $1.25

CUPS.



No. 20—Bright, gray silver decorations, gold lined, diameter 3 in., height 2¼ in,. .....each **A E J** $2.50



No. 87—Satin finish, bright cut, gold ilned, diameter 2½ in., height 3 in., each ..... **A C J** $2.15



No. 74—Bright silver, gold lined, diameter 3 in., height 2 in., each ..... **A F E** $2.75



No. 53—Satin finish, bright cut, bright shield, gold lined, diameter 3 in., height 2 in. .....each **A B E** $2.10

LUNCH CASTERS.



No. 233—Bright silver, height 5 in., per set ..... **B A J** $3.50



No. 235—Bright silver, height 3 in., per set ..... **B B E** $3.75



No. 236—Bright silver, height 3 in., per set ..... **B B E** $3.75

QUADRUPLE SILVER PLATED WARE.

CONDIMENT SET.



No. 119—Etched glass bottles, per set ..... JFCJ $10.50

ICE TUB.



No. 295—Satin finish, diameter 5½ in., each ..... each CDE $5.75

CANDLESTICK.



No. 1208—Height 8 in., each AHJ $3.00

PRIZE CUPS.



No. 615—Bright, gold lined, height 5¾ in. ..... each BEE $4.25





No. 619—Bright, gold lined, height 6¼ in. ..... each DJE $6.75



No. 616—Bright, gold lined, height 5¾ in. ..... each BHE $4.75

No.	Height, in.	Each.	Base Extra, Each.
3500	8½	DBJ $7.00	ABE $2.00
3501	10	DIE 8.25	AEJ 2.50
3502	11½	JFJJ 10.00	AFE 2.75
3503	13	JFIJ 11.50	AFE 2.75
3504	14¾	JGHJ 13.00	AHJ 3.00
3505	15¾	JIJJ 15.00	AIE 3.20
3506	17	AJHJ 18.00	BEJ 4.15
3507	18¼	ABJJ 20.00	BEJ 4.15



No. 234—Silver lined, hegiht 4½ in., each ..... BGJ $4.50

QUADRUPLE SILVER PLATED WARE.

CIGAR SET.



No. 138-N—Extreme height 8¼ in., diam. of base 6½ in., gold lined,
each .....CCJ $5.50

MATCH AND ASH HOLDER.



No. 1525-L—Height 4 in., diam. 5½ in.,
each .....BBE $3.75

SMOKER'S SET.



No. 135-N—Four pieces, extreme height 2½ in., diam. of tray 7½ in.,
each .....DHJ $8.00

GLASS CIGAR JAR.



No. 130-N—Height 7 in., diam. 4½ in., silver plated and engraved cover with tip form sponge holder,
each .....AFE $2.75

SHAVING SET.



No. 6808—Bright silver, gray silver decorations, height 15 in., diameter of mirror 5¼ in.....each EHE $9.75

SHAVING MUGS.



No. 112-L—Cup, height 2½ in., diameter 3 in. .....each BBE $3.75

No. 112-L—Brush, length 4½ in.,
each .....JIJ 1.50



No. 42—Bright silver cup, height 2¾ in., diam. 3¼ in.....each BDJ $4.00

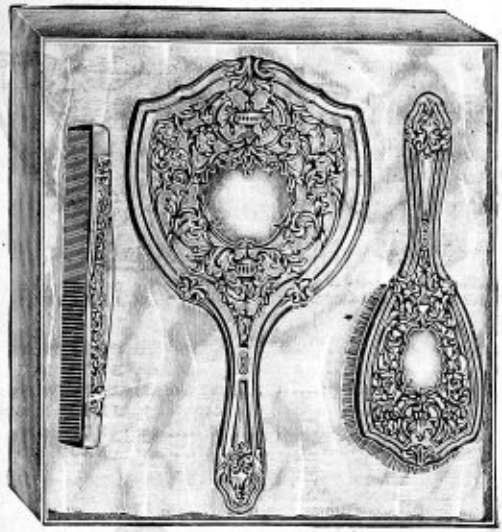
No. 42—Brush, length 4½ in.,
each .....ABJ 2.00



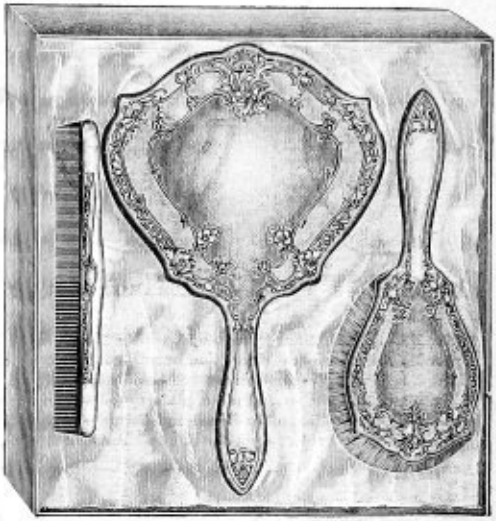
No. 39—Cup, height 2¾ in., diam. 3¼ in. .....each BHE $4.75

No. 39—Brush, length 4½ in.
each .....JIJ 1.50

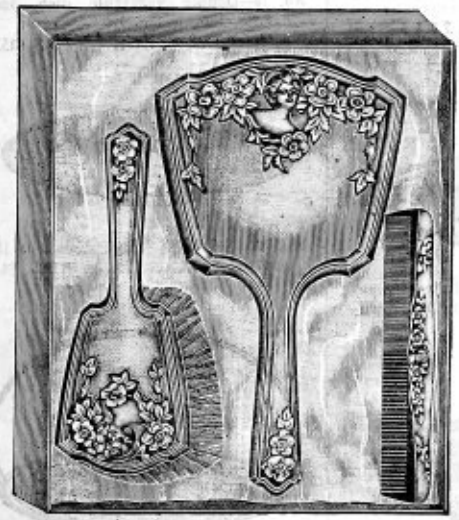
QUADRUPLE SILVER PLATED WARE.



No. 74—Butler bright finish, 3 pieces, brush, comb and mirror, diameter of mirror glass 5¼ in., length of mirror 11 in., length of brush 9 in., length of comb 7 in., per set **DIE** $8.25



No. 67—Butler bright finish, 3 pieces, brush, comb and mirror, diameter of mirrom glass 5¼ in., length of mirror 11 in., length of brush 9 in., length of comb 7 in., per set **DIE** $8.25



No. 92—Butler bright finish, 3 pieces, brush, comb and mirror, diameter of mirror glass 5¼ in., length of mirror 10 in., length of brush 9 in., length of comb 7 in., per set ..... **JFCJ** $10.50



No. 95—Butler bright finish, 3 pieces, brush, comb and mirror, diameter of mirror glass 5¼ in., length of mirror 11½ in., length of brush 9 in., length of comb 7 in., per set ..... **JFCJ** $10.50

AMERICAN REPRODUCTION OF SHEFFIELD SILVER PLATED ON NICKEL SILVER.



No. 273—Cream pitcher, each .....DIE $8.25



No. 273—Sugar bowl, each .....EGJ $9.50



No. 273—Tea pot, capacity 4½ pints ...each JHBE $13.75



No. 273—Coffee pot, capacity 5½ pts., each JIAE $15.25

No. 273—Tea set, plain fluted and burnished, 5 pieces .....per set CCJJ $55.00
No. 273—Tea set, plain fluted and burnished, 4 pieces .....per set BCGJ 39.75
No. 273—Tea kettle, plain fluted and burnished .....each AEJJ 25.00
No. 273—Syrup pitcher and plate, plain fluted and burnished.....each JFCJ 10.50
No. 273—Butter dish, plain fluted and burnished .....each EDJ 9.00
No. 273—Spoon holder, plain fluted and burnished .....each EAJ 8.25



No. 19—Double vegetable dish, length 10 in. .....each JGEJ $12.50



No. 18—Double vegetable dish, lock handle, length 10½ in., each .....JFIJ $11.50



No. 16—Double vegetable dish, lock handle, length 12½ in., each .....JIJJ $15.00



No. 47—Sandwich tray, diam. 10 in., each .....BGJ $4.50



No. 66—Cheese and cracker tray, diam. 10 in. .....each DEJ $7.50



No. 67—Sandwich tray, diam. 10 in., each .....BHE $4.75



No. 74—Cheese and cracker tray, wicker handle, diam. 10 in., each .....JPJJ $10.00



No. 110—Nut or fruit bowl, pierced, diam. 9⅝ in. .....each DEJ $7.50



No. 70—Sandwich tray, wicker handle, diam. 10 in. .....each DEJ $7.50

AMERICAN REPRODUCTION OF SHEFFIELD SILVER PLATED ON NICKEL SILVER.



No. 114—Bread tray, pierced, length 12¾ in. .....each **DEJ** $7.50



No. 630—Bon Bon, pierced, diam. 7 in., each .....**BAJ** $3.50



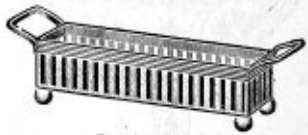
No. 113—Bread tray, pierced, length 12¾ in. .....each **DCE** $7.25



No. 328—Compote, pierced, diam. 10¼ in., each .....**DIE** $8.25



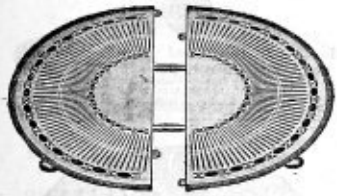
No. 629—Bon Bon, pierced, wicker handle, diam. 6½ in. ....each **BGJ** $4.50



Domino Sugar.

No. 13—Pierced, length 4 in., each .....**AAJ** $1.85

No. 13—Same style as above, length 6 in. .....**ACE** $2.25



Nos. 4 to 9.

Round, Extension T Rivets, Pierced.

No. 4—Open to 14 in...each **DEJ** $7.50

No. 8—Open to 12 in...each **CIJ** 6.50

No. 9—Open to 10 in...each **CCJ** $5.50



No. 11—Relish dish, crystal lining, diam. 6 in. .....each **CJJ** $5.00



Crumb Tray.



Crumb Scraper.

No. 931—Crumb set, 2 pieces, per set .....**CFJ** $6.00



No. 22½.

No. 22—Vegetable dish, oval, with pottery cover only, length 9 in., each .....**CAE** $5.25

No. 22½—With silver plated cover, as shown in cut .....each **EBE** $8.75



Nos. 47 to 49.

Casseroles.

No. 47—Oval, capacity 7 pints, each .....**JFCJ** $10.50

No. 48—Oval, capacity 5 pints, each .....**DIE** 8.25

No. 49—Oval, capacity 3 pints, each .....**DBJ** 7.00



No. 84—Pie plate, round, diam. 9½ in., each .....**BEE** $4.25

QUADRUPLE SILVER PLATED TOILET WARE

PACKED IN WHITE LINED DISPLAY BOXES.



No. 5060—Burnished finish, brush, comb and mirror.....per set DAE $6.90
Hat Brush.....each★ ABE 2.10
Cloth Brush.....each★ AIJ 3.15
Military Brush.....each★ AIJ 3.15



No. 4010—French gray finish, brush, comb and mirror, per set DEJ $7.50
Hat Brush.....each★ ABE 2.10
Cloth Brush.....each★ AIJ 3.20
Military Brush.....each★ AIJ 3.20



No. 4040—Burnished finish, brush, comb and mirror, per set EBJ $8.64
Hat Brush.....each★ ADJ 2.38
Cloth Brush.....each★ BBJ 3.66
Military Brush.....each★ BJE 3.40



No. 6040—Burnished finish, brush, comb and mirror, per set DIE $8.25
Hat Brush.....each★ ADJ 2.38
Cloth Brush.....each★ BBJ 3.66
Military Brush.....each★ BJE 3.40



No. 7060—Burnished finish, brush, comb and mirror, per set EHE $9.75
Hat Brush.....each★ ADJ 2.38
Cloth Brush.....each★ BBJ 3.66
Military Brush.....each★ BJE 3.40

★*FOR FACTORY SHIPMENT ONLY.*



No. 6060—Burnished finish, brush, comb and mirror, per set JFCJ $10.50
Hat Brush.....each★ AEE 2.60
Cloth Brush.....each★ BCE 3.90
Military Brush.....each★ BBJ 3.65

"ICY-HOT" BOTTLES.

Keep Contents Hot 24 Hours in Winter—Keep Contents Cold 3 Days in Summer—Without the Aid of Chemicals.
The "Icy-Hot" Bottle is a bottle within a bottle with a vacuum between. The vacuum is a non-conductor of heat and cold, and the heat or cold of the outside air cannot reach the contents. The glass vacuum bottle is placed inside metal casing, surmounted by a drinking cup, which also holds the cork in place. Being made of glass, the bottles are absolutely sanitary and are easily cleaned.
EVERY BOTTLE TESTED AT THE FACTORY BEFORE SHIPPING. MUST KEEP WATER STEAMING HOT FOR TWENTY-FOUR HOURS, REGARDLESS OF OUTSIDE TEMPERATURE.



No. 30C.

"REGULAR" PATTERN, Demountable, Strong Metal Case of Superior Jewelry Finish, High Grade, Center Tipped Glass Filler Held in Place by a Heavy Rubber Ring at the Neck, and an Ingenious Spring Device at the Base, Can Be Instantly Removed by the User for Sterilizing or for Replacing in Case of Breakage. Filler Cushioned to Lessen Danger of Breakage from Sudden Jars or Jolts.

No. 30C—1 pt., nickel plated case, each .....BAJ $2.50
No. 70C—1 qt., nickel plated, each .....CCE $4.00
No. 31C—1 pt., nickel plated casing, trimmed with Morocco leather in red, black, brown, green, wine or tan, each★ .....BIE $3.50

For extra fillers see Nos. 58, 98, 45 *and* 85, *last column on this page.*

NOTICE—Regular pattern bottles bearing the above numbers will not take old style side tipped fillers, with which the regular pattern bottles were formerly equipped.

ONE IN A CARDBOARD BOX.



No. 44.

"TOURIST" PATTERN, Demountable, Metal Case, Nickel Plated, the Glass Filler is Held in Place by a Heavy Rubber Ring at the Neck and an Ingenious Spring Device at the Base, Can Be Instantly Removed by the User for Sterilizing or for Replacing in Case of Breakage. Filler Cushioned to Lessen Danger of Breakage from Sudden Jars or Jolts.

No. 44—1 pt., nickel plated casing, each .....BAJ $2.50
No. 88—1 qt., nickel plated casing, each .....BIE $3.50
No. 441—1 pt., nickel plated casing, trimmed with Morocco leather in red, black, brown, blue, green, wine or tan .....each BIE $3.50
No. 881—1 qt., otherwise same as No. 441 .....each CGE $4.50

For extra fillers see Nos. 45, 47 *and* 85, *last column on this page.*

ONE IN A CARDBOARD BOX.



No. 22.

"ATLAS" PATTERN, Demountable, Light Weight Metal Case Corrugated and Nickel Plated. The Glass Filler is Held in Place by a Heavy Rubber Ring at the Neck and an Ingenious Spring Device at the Base. Filler Can Be Easily Removed by the User for Sterilizing or Replacing in Case of Breakage.

No. 22—1 pt., w't each 1½ lbs., each .....ADE $1.75
No. 62—1 qt., w't each 2½ lbs., each .....BCJ 2.75

For extra fillers see Nos. 25 *and* 65 *last column on this page.*

ONE IN A CARDBOARD BOX.



Demountable, Light Weight Case Enameled in Green in Imitation of Leather, Nickel Plated Top and Drinking Cup.

No. 43-D—1 pt. .....each AJE $1.25
No. 83-D—1 qt. .....each AIJ 2.25

For extra fillers see Nos. 25 *and* 65, *last column on this page.*

ONE IN A CARDBOARD BOX.

EXTRA CORKS.

No. 1—For pint bottles, per dozen .....EJ $0.60
No. 2—For quart bottles, per dozen .....EJ .60

★*FOR FACTORY SHIPMENT ONLY.*



No. 40.

SPECIAL NICKEL PATTERN, Separable Metal Case, Medium Weight, Nickel Plated, Filler is Demountable.

No. 40-D—1 pt., nickel plated casing, each .....AGJ $2.00
No. 80-D—1 qt., nickel plated casing, each .....BEJ 3.00

For extra fillers see Nos. 49 *and* 89, *last column on this page.*

ONE IN A CARDBOARD BOX.



No. 60.

"MECHANIC," Filler Rests in a Metal Container, Beautifully Enameled in Red with White Lettering, Detachable Cups.

No. 60—1 pt. .....each JHE $1.00
No. 100—1 qt. .....each AGJ 2.00

"MECHANIC," Jar, Same Case as Shown Above, with Wide Mouth Jar Filler, Suitable for Solids or Liquids.

No. 225—1 pt. .....each ADE $1.75
No. 750—1 qt. .....each BCJ 2.75

Non-separable cases, if broken cannot be repaired.

ONE IN A CARDBOARD BOX.

EXTRA FILLERS.

No. 58—Side tipped, for old Nos. 30 and 31 pint bottles, each AGJ $2.00
No. 98—Side tipped, for old Nos. 70 and 71 quart bottles, each BEJ $3.00
No. 45—Center tipped, for Nos. 30-C, 31-C, 44, 441 and 40-D pint bottles, each .....AJE $1.25
No. 85—Center tipped, for Nos. 70-C, 88, 881 and 80-D quart bottles, each .....AIJ $2.25
No. 49—Center tipped, for No. 40 pint bottle, complete with cement, each .....AJE $1.25
No. 89—Center tipped, for No. 80 quart bottle, complete with cement, each .....AIJ $2.25
No. 25—Center tipped, for Nos. 22, 43-D and 23 pint bottles...each JHE $1.00
No. 65—Center tipped, for Nos. 62, 83-D and 63 quart bottles..each AGJ $2.00

ONE IN A CARDBOARD BOX.

CARRYING CASES, "ICY-HOT" LUNCH KITS AND SPECIALTIES.

CARRYING CASES FOR "ICY-HOT" BOTTLES.



Black Pegamoid—imitation leather, Gun Metal Finish, Lined with Red Flannel.

No. 050—Single pint, holds 1 pt. bottle, each .....**AAJ** $1.80

No. 052—Twin pint, holds 2 pt. bottles, each .....**AFJ** $2.70

No. 051—Single quart, holds 1 qt. bottle, each .....**ACJ** $2.20

No. 054—Twin quart, holds 2 qt. bottles, each .....**BJJ** $3.30

Fine Grade, Black Walrus Grain Leather, Lined.

No. 1010—Single pint, holds 1 pt. bottle, each .....**BJJ** $3.30

No. 1020—Twin pint, holds 2 pt. bottles, each .....**BFE** $4.40

No. 1100—Single quart, holds 1 qt. bottle.....each **BDJ** $4.00

No. 1110—Twin quart, holds 2 qt. bottles.....each **CCE** $5.60

Extra Fine Quality Russet Leather, Lined with Green Velvet.

No. 1050—Twin pint, holds 2 pt. bottles, each .....**CDJ** $5.66

No. 1120—Single quart, holds 1 qt. bottle.....each **BIJ** $4.80

No. 1130—Twin quart, holds 2 qt. bottles.....each **DDJ** $7.34

PRICES DO NOT INCLUDE BOTTLES.

"ICY-HOT" LUNCH KITS.



No. 370.

No. 370—School and business lunch kit, consists of 1 No. 60 bottle, enameled red, and a light metal case, enameled black, with nickel plated trimmings and leather handle...each **ADE** $1.75

No. 371—School and business lunch kit, consists of 1 pint size demountable Icy-Hot bottle with green enameled metal case and nickel plated cap and drinking cup, put up in a light metal carrying case, enameled black with brass trimmings and handle, 10¼x7x 4¼ in., w't each 3½ lbs., each .....**AGJ** $2.00

The case has two compartments, the upper one for the bottle and the lower one for lunch.

A fresh and moist lunch and a good drink at the right temperature assured by using this lunch kit.

"ICY-HOT" LUNCH KITS.



No. 3209—Sportsmen's kit, consists of 1 No. 43D Icy-Hot pint bottle with green enamel jacket, with nickel plated cap and drinking cup, and 1 green enameled metal lunch box, put up in a square wooden frame case covered with black seal grain leatherette, nickel plated trimmed and beautifully lined, w't 3½ lbs., each .....**BEE** $3.00

"ICY-HOT" AUTOMOBILISTS' LUNCH OUTFITS.



No. 20.

No. 13—Outfit consists of the following—

Two No. 30C pt. size Icy-Hot bottles, each $2.50.....$5.00
One small Icy-Hot lunch box, nickel plated .....each $1.00
One russet leather carrying case, highest quality, lined with green velvet .....each $6.00
Per outfit★ .....**AJAJ** $12.00

No. 19½—Outfit consists of the following—

Two No. 70C qt. size Icy-Hot bottles, each $4.00.....$8.00
One large Icy-Hot lunch box, nickel plated .....each $1.50
One russet leather carrying case, highest quality, lined with green velvet .....each $9.00
Per outfit★ .....**AEEE** $18.50

No. 20—Outfit consists of the following—

One No. 70C quart size Icy-Hot bottle, each $4.00
One No. 740 quart size Icy-Hot jar, each $4.50
One large Icy-Hot lunch box, nickel plated .....each $1.50
One russet leather carrying case, highest quality, lined with green velvet, each $9.00
Per outfit★ .....**AEIE** $19.00

Auto parties and picnicers find these outfits the most convenient for carrying luncheons.

The carrying cases are well protected and easy to handle. They are dust, rain and weather proof.

★*FOR FACTORY SHIPMENT ONLY.*

"ICY-HOT" JARS.



No. 740.

The "Icy-Hot" Jar is constructed upon the same principle as the "Icy-Hot" Bottle, consisting of a demountable filler in a highly finished nickel plated casing. It is for the purpose of keeping solid food Hot or Cold indefinitely. The opening is large enough to allow removing contents with a large spoon. It will keep ice cream frozen without ice and keeps meat and vegetables hot without fire, whichever way they are put into the jar. Invaluable for after-theatre parties and luncheons. Creamed sweetbreads and escalloped oysters can be kept hot ready to serve.

Demountable, Can Be Repaired By the User.

No. 240—1 pt. size, fitted with a special cork with wire spring top, each★ .....**BAJ** $2.50

No. 740—1 qt. size, otherwise same as No. 240 .....each **CHJ** $4.50

EXTRA FILLERS.

No. 245—1 pt. size, for No. 240 Jar, each★ .....**AGJ** $2.00

No. 745—1 qt. size, for No. 740 jar, each★ .....**BEE** $3.00

ONE IN A CARDBOARD BOX.

"ICY-HOT" CARAFE.



No. 515.

The "Icy-Hot" Carafe is constructed upon the same principle as the "Icy-Hot" Bottle and consists of a demountable filler in a highly artistic casing of beautiful design. Nickel plated and polished like the finest silverware. An ideal water bottle for the dinner table. Dispenses with ice in water glass and replaces ice water pitcher with its lump of often impure ice.

Water should first be cooled by placing on ice in an ordinary bottle, then transfer to the "Icy-Hot" Carafe, which will keep it cool 72 hours. Prevents contamination of pure water by germs in the ice.

If filler is broken, it can be replaced by the user at home.

No. 515—1 qt. capacity, fitted with cork stopper with nickel plated metal top and German silver chain, w't each 1¾ lbs.....each **CHJ** $4.50

No. 516—3 pt. capacity, otherwise same as No. 515 .....each **FHE** $7.00

No. 505—Extra fillers for repairing No. 515 Icy-Hot carafe, without stopper .....each **BEJ** $3.00

No. 506—Extra fillers for repairing No. 516 Icy-Hot carafe, without stopper .....each **CGE** $4.50

ICY-HOT SPECIALTIES.

ICY-HOT CARAFES WITH PROTECTED NECKS.



Strong Metal Case, Nickel Plated and Beautifully Finished. Metal Covering Entirely Encloses Glass Filler Even at the Neck.

No. 780—1 quart size, w't boxed 5½ lbs., each★ .....DBJ $5.00

No. 781—3 pint size, w't boxed 7¼ lbs., each★ .....FFE $8.00

No. 782—2 quart size, w't boxed 12 lbs., each★ .....JHGE $10.50

No. 783—3 quart size, w't boxed 12 lbs., each★ .....AJHE $13.00

Practically unbreakable. Soft rubber cushions support the glass filler at two points, and spiral spring at bottom protects it against breakage caused by jolts of setting down too heavily or dropping.

A rubber ring at the neck prevents breakage if upset; also the selected filler has asbestos supports between the outer and inner walls to protect the filler against breakage at the neck.

Flat base. Completely demountable. The filler can be easily removed for the purpose of cleaning, etc.

ONE IN A CARDBOARD BOX.

EXTRA FILLERS.

No. 509—1 quart size for No. 780 Carafe, each★ .....BEJ $3.00

No. 510—3 pint size, for No. 781 Carafe, each★ .....CHJ $4.50

No. 511—2 quart size, for No. 782 Carafe, each★ .....EJE $6.00

No. 512—3 quart size, for No. 783 Carafe, each★ .....FCJ $7.50

ONE IN A CARDBOARD BOX.

"ICY-HOT" CORRUGATED CARAFE.



No. 513.

No. 513—1 qt. capacity, nickel plated, case of thinner metal than No. 515, cork stopper with metal top, no chain, each★ .....CCE $4.00

No. 513-E—1 qt. capacity, same as No. 513, with enameled black neck, each★ .....CCE $4.00

ONE IN A CARDBOARD BOX.

Completely demountable. Filler can easily be removed for the purpose of cleaning or for repairing in case of breakage.

EXTRA FILLERS.

No. 502—1 qt. size, for No. 513 Carafe, each★ .....BEJ $3.00

No. 502-E—1 qt. size, for No. 513-E Carafe★ .....each BGE $3.25

ONE IN A CARDBOARD BOX.

"ICY-HOT" SHORT NECK JUG.



No. 540.

Strong Metal Case, Nickel Plated and Beautifully Finished, Fitted with Glass Filler of Highest Quality.

No. 540—1 qt. capacity, height 10½ in., each★ .....CGE $4.50

No. 541—3 pt. capacity, height 11¼ in., each★ .....EDE $6.50

Completely demountable. Filler can easily be removed for the purpose of cleaning or for repairing in case of breakage.

ONE IN A CARDBOARD BOX.

EXTRA FILLERS.

No. 503—1 qt. size, for No. 540 jug, each★ .....BEJ $3.00

No. 504—3 pt. size, for No. 541 jug, each★ .....CCE $4.00

ONE IN A CARDBOARD BOX.

"ICY-HOT" COFFEE AND CHOCOLATE POTS.



No. 860.



No. 865.

Strong Metal Case, Nickel Plated, Beautifully Finished Fitted with Glass Filler of the Highest Grade.

No. 860—Chocolate pot, 1 pt. size, w't each 3 lbs.★ .....each EJJ $6.00

No. 865—Coffee pot, 1 pt. size, w't each 2½ lbs. .....each EJJ $6.00

Completely demountable. The filler can be easily removed for the purpose of cleaning or for replacing in case of breakage.

ONE IN A CARDBOARD BOX.

EXTRA FILLERS.

No. 861—1 pint size for No. 860 Chocolate Pot★ .....each BEJ $3.00

No. 866—1 pint size for No. 865 Coffee pot★ .....each BEJ $3.00

ONE IN A CARDBOARD BOX.

ICY-HOT PITCHERS.



Strong Metal Case, Nickel Plated and Beautifully Finished. Fitted with Glass Filler of Highest Grade.

No. 870—1 quart size, w't each 3½ lbs., each .....FCJ $7.50

No. 875—3 pint size, w't each 4 lbs., each .....JHDJ $10.00

Completely demountable. The filler can be easily removed for the purpose of cleaning or replacing in case of breakage.

A novel, practical and attractive service for the dining room, bedroom, or hotel; keeps drinking water icy cold, or coffee, tea, etc., steaming hot, without ice or fire. Its beautiful jewelry finish makes it harmonize with the most finely appointed surroundings.

ONE IN A CARDBOARD BOX.

EXTRA FILLERS.

No. 871—1 quart size, for No. 870 Pitcher, each★ .....CCE $4.00

No. 876—3 pint size for No. 875 Pitcher, each★ .....EJJ $6.00

ONE IN A CARDBOARD BOX.

★*FOR FACTORY SHIPMENT ONLY.*

AMERICAN CUT GLASS.

SAUCE DISHES.



No. 1—Diameter 5 in.....each **JGF** $1.35
No. 2—Diameter 6 in.....each **JIB** 1.60
No. 3—Diameter 5 in.....each **JHE** 1.50
No. 4—Diameter 6 in.....each **AAJ** 1.90



No. 5—Diameter 5 in....each **AEF** $2.70
No. 6—Diameter 6 in....each **AIE** 3.40

HANDLED NAPPIES.



No. 21—Diameter 5 in....each **JHG** $1.50
No. 22—Diameter 6 in....each **AJB** 1.75



No. 23—Diameter 5 in..each **JIJ** $1.50
No. 24—Diameter 6 in....each **AAJ** 1.90



No. 25—Diameter 5 in...each **AEF** $2.70
No. 26—Diameter 6 in....each **AIE** 3.40

TWO HANDLED NAPPY.



No 27—Diameter 7 in....each **CAB** 15.40

PLAIN NAPPIES.



No. 41—Diameter 7 in...each **ADE** $2.50
No. 42—Diameter 8 in....each **BJB** 3.50



No. 43—Diameter 7 in....each **BCJ** $4.00
No. 44—Diameter 8 in....each **BIE** 5.10



No. 45—Diameter 8 in....each **DFJ** $8.00

CAKE PLATES.



No. 61—Diameter 7 in....each **AIE** $3.40

OLIVE, PICKLE OR BON BON DISHES.



No. 81—Length 8 in.....each **AAE** $2.00



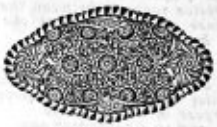
No. 102—Length 9 in. ..each **AFA** $2.80



No. 82—Length 7 in.....each **ABI** $2.25



No. 83—Length 9 in.....each **AGC** $3.00



No. 84—Length 9 in.....each **AGC** $3.00

SPOON TRAYS.



No. 101—Length 7¼ in...each **ABI** $2.25

AMERICAN CUT GLASS

CELERY DISHES.



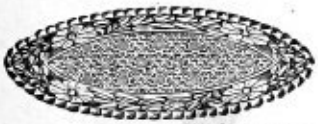
No. 121—Length 11 in....each **AGC** $3.00



No. 122—Length 11 in.....each **BJG** $3.60



No. 123—Length 11½ in...each **BFJ** $4.50



No. 124—Length 12½ in..each **EAH** $9.00

BOWLS.



No. 141—Diameter 8 in..each **BBE** $3.90



No. 142—Diameter 8 in...each **CJB** $5.25
No. 143—Diameter 9 in..each **DCB** 7.50

BOWLS.



No. 144—Diameter 8 in..each **DJD** $7.00
No. 145—Diameter 9 in.each **JEGE** 10.00



No. 146—Diameter 9 in..ea. **JFDG** $11.25

MAYONNAISE SET.



No. 161—Diameter of bowl 6 in., diameter of plate 7 in....per set **BFJ** $4.50

VINEGAR OR OIL CRUETS.



No. 181 No. 182

No. 181—Height 6 in.....each **AEF** $2.70
No. 182—Height 7¼ in...each **AGC** 3.00



No. 183—Height 7¼ in...each **BCJ** $4.00

SUGARS AND CREAMERS.



No. 201—Sugar .....each **BJE** $1.80



No. 202—Creamer .....each **BJE** $1.80



No. 203—Sugar .....each **ABB** $2.10



No. 204—Creamer .....each **ABB** $2.10



No. 205—Sugar .....each **AGC** $3.00



No. 206—Creamer .....each **AGC** $3.00



No. 207—Sugar .....each **BCJ** $4.00



No. 208—Creamer .....each **BCJ** $4.00

AMERICAN CUT GLASS

COMPOTES.



No. 221—Diameter 6¼ in., height 8 in. each .....CBI $5.70



No. 222—Diameter 7 in., height 8¼ in., each .....DIF $8.60



No. 223—Diameter 8 in., height 9¼ in. each .....JGGG $13.50

COMBINATION COMPOTE.



No. 224—2 pieces, consisting of 9 in. diameter berry bowl and 6 in. diameter compote.....per set EAH $9.00

Can be used singly or small compote turned upside down, and bowl set on same makes a large fruit compote, as shown above.

JUGS AND TUMBLERS.



No. 241—Jug, capacity 3½ pts., height 10¼ in. .....each CDE $6.00
No. 261—Tumblers ....per doz. DHJ 8.00



No. 242—Jug, capacity 3½ pts., height 10¼ in. .....each DGF $8.25
No. 262—Tumblers ..per doz. AJJG 17.50



No. 243—Jug, capacity 3 pts., height 10 in. .....each JFBA $10.80
No. 263—Tumblers.per doz. AJHA 18.80

JUGS AND TUMBLERS.



No. 244—Jug, capacity 4 pts., height 10½ in. .....each JGCF $12.80
No. 264—Tumblers.per doz. ACBD 23.00

CARAFES.



No. 281—Carafe, height 7½ in. each ..... CAA $5.40
No. 261—Tumblers.....per doz. DHJ 8.00



No. 282—Carafe, height 7¼ in., each .....DCB $7.50
No. 263—Tumblers..per doz. AJHA 18.80

AMERICAN CUT GLASS.

SHERBET GLASSES.



No. 301—Diameter 3 in., height 3¼ in., per doz. .....ACHJ $24.00



No. 302—Diameter 2¾ in., height 2 in., per dozen .....JGGG $13.50

VASES.



No. 320—Height 10 in....each CHI $6.75
No. 322—Height 12 in...each JFJE 10.50
No. 324—Height 14 in...each JHBJ 14.25



No. 330—Height 10 in....each CHI $6.75
No. 332—Height 12 in....each JFJE 10.50
No. 334—Height 14 in...each JHBJ 14.25

VASES.



No. 340—Height 10 in..each JGGG $13.50
No. 342—Height 12 in..each AJAJ 17.55
No. 344—Height 14 in..ea. ADBA 24.70

FERN DISHES.



No. 381—Diameter 8 in., removable silver plated lining.....each HBI $5.70



No. 382—Diameter 8 in., removable silver plated lining.....each DCB $7.50
DOES NOT include artificial fern.

No. 383—Artificial Ferns, extra, each .....JEH $1.00

COMBINATION FERNS AND ELECTROLIERS.



No. 441—Height 14½ in., 8-in. bowl with artificial fern, wired complete with bulb .....each AJGI $18.75

COLOGNE BOTTLES.



No. 401—Capacity 2 oz....each BJG $3.60
No. 402—Capacity 4 oz...each BEH 4.50
No. 403—Capacity 6 oz...each BGF 4.80

CIGAR OR CRACKER JARS.



No. 421—Height 7 in., diameter 5¼ in., holds 25 cigars.....each JHFC $15.00

AMERICAN CUT GLASS.

WATER SET.



No. 460—Water set, per set **AAIE** $19.60
No. 461—Pitcher, capacity 3½ pints, height 10¼ in. .....each **DHE** 8.10
No. 462—Tumblers, per half dozen .....**ECJ** 8.80
No. 463—14 in plateau..each **AFJ** 2.70

WHISKEY SET.



No. 480—Whiskey set, per set .....**AAJE** $18.45
No. 481—Decanter, one quart, 11½ in. high .....each **JFJE** $10.10
No. 482—Whiskey glasses, per half dozen .....**BDJ** $4.05
No. 483—12 in. plateau each **BFJ** 4.30

COMPOTE.



No. 500—7½ in. high, 7½ in. diameter of bowl .....each **JFGE** $11.25

ELECTROLIERS.



No. 442—Height 16 ½ in., globe 8¾ in. diameter, with brilliant cut glass pendants, wired complete, with bulb, each .....**AHAB** $31.50



No 443—Height 30 in., globe 12 in. diameter, with brilliant cut glass pendants; wired complete, with 2 bulbs; makes a brilliant show when lighted; each .....**DFJJ** $80.00

CLOCK.



No. 520—5¾ in. high, 4 in. base, each .....**EFE** $9.45

JEWEL BOXES.



No. 540—Jewel box, 5 in. long, 3¾ in. wide, 3¾ in. high ..each **JGGJ** $12.80
No. 541—Handkerchief Box., 6½ in. long, 5 in. wide, 4½ in. high, each .....**ABEE** $20.90
No. 542—Glove Box, 11 in. long, 4½ in. wide, 3½ in. high ..each **ADFJ** $24.30

BASKETS.



No. 560—8 in. long, 11½ in. high, 4½ in. wide .....each **JFHE** $11.45
No. 561—10 in. long, 14 in. high, 5½ in. wide .....each **AJBE** $17.10
No. 562—12 in. long, 17½ in. high, 6½ in. wide .....each **AGJJ** $28.35

AMERICAN CUT GLASS.

INDIVIDUAL SALTS.



No. 580—Round, diameter 1½ in., height 1 in. .....per dozen **BGJ** $4.50

VASES.



No. 601—Height 10 in., each **DIE** $8.20
No. 602—Height 12 in., each .....**JFBE** 10.40
No. 603—Height 14 in., each .....**JHFE** 14.40

POWDER OR JEWEL.



No. 621—Diameter 6½ in., height 3¼ in., each .....**EFE** $9.45

COMPOTE.



No. 640—Diameter 5 in., height 5 in., each .....**BCJ** $3.80

PUFF BOX AND HAIR RECEIVER.



No. 660—Puff Box, diameter 5 in., height 3 in. .....each **CBE** $5.40
No. 661—Hair Receiver, diameter 5 in., height 3¼ in. .....each **CBE** 5.40

BASKET.



No. 680—Diameter 4¼ in., height 6¼ in., each .....**BGJ** $4.50

VIOLET BALL AND PLATE.



No. 360—Ball 4 in. diameter, plate 6 in. diameter.....per set **BGF** $4.80

SALTS AND PEPPERS.

Latest Style Heavy Sterling Silver Safety Screw Tops Guaranteed 925-1000 Fine, Fitted with Patent Shakers.



No. 680½ No. 408½
No. 680½—3¾x1½ in...per set **BAI** $3.80
No. 408½—3 x1¾ in...per set **BFE** 4.60

ROUND PLATEAUS



Heavy Beveled Mirror, Beaded Edge, Nickeloid Frame.

No. 1699—

Diameter, in.	8	10	12	14
Each	$1.30	1.84	2.40	2.96
	JGF	AJF	ACH	AGJ



Heavy Beveled Mirror, Heavily Silver Plated Frame and Ball Feet.

No. 1729—

Diameter, in.	10	12	14
Each	$5.16	6.16	8.20
	BIG	CFJ	DGJ

The smooth little ball cast in each foot prevents marks and scratches on polished surfaces.

SANITARY SALTS AND PEPPERS.



No. 341—3½x2 in., extra quality glass, detachable sanitary glass top, securely held in place by nickel silver rim..... per dozen pairs **BDJ** $4.00

Salt or pepper comes in contact with glass only, which prevents any corrosion and gives an absolutely sanitary article.

ONE DOZEN ASSORTED IN A CARTON.

Extra Glass Tops for No. 341 Sanitary Salts and Peppers, per doz. **JFJ** $1.00

CLOCKS.

Special advertising dials with name and address of customer printed thereon will be furnished free of charge with all clocks on this page when ordered in full case lots. Shipment to be made direct from factory. Orders should specify clearly and accurately just what is to be printed on dials.

"CRUSO."



Made in the United States.

Cruso, height 6½ in., 4 in. dial with large figures and a two-color picture of an American bird, nickel plated case, 1 day movement, continuous alarm, rings loud and clear, nickel plated bell, brass shut-off switch, w't per doz. 12 lbs.,
per dozen .....**JGIJ** $13.20

FIFTY IN A CASE; W'T 65 LBS.

WESTERN CLOCK CO.'S.



America, height 6½ in., 4 in. dial with alarm indicator, nickel plated tin case, knurled front, hard steel pinion and pivots, fine hard steel lever escapement, 1 day movement, continuous alarm, rings loud and clear, nickel plated bell, brass shut-off switch, w't per doz. 12 lbs.,
per dozen .....**JGCE** $12.24

ONE IN A BOX; FORTY-EIGHT IN A CASE, W'T 75 LBS.

Alternating, height 7 in., 4½ in. dial, nickel plated tin case, hard steel pinion and pivots, fine hard steel lever escapement, 1 day movement, intermittent alarm, rings and rests alternately for 15 minutes at intervals of 20 seconds, with shut-off switch, w't per doz. 15 lbs.,
per dozen .....**AJHJ** $18.00

ONE IN A BOX; FIFTY IN A CASE, W'T 80 LBS.

WESTERN CLOCK CO.'S.



No. 20—Sleepmeter, height 5½ in., width 4 in., dial 3½ in., seamless brass case, nickel plated, 3½ in. bell metal gong on back, 1 day movement, continuous alarm with shut-off switch, w't per doz. 18 lbs.....per dozen **JIHJ** $16.50

ONE IN A BOX; FORTY-EIGHT IN A CASE. SHIPPING W'T 92 LBS.

No. 30—Sleepmeter Intermittent, height 6 in., width 4½ in., seamless brass case, nickel plated, 1 day movement, metal gong on back rings intermittently every 25 seconds for 3½ minutes, shut-off attachment directly above the bell, w't per doz. 18 lbs.,

ONE DOZEN IN A BOX; FORTY-EIGHT IN A CASE. SHIPPING W'T 92 LBS.



Bingo—H't 6½ in., 4¼ in. dial, seamless brass case, beautifully nickel plated, 4½ in. alarm gong at back, w't each 1¼ lbs. .....per dozen **AHJJ** $30.00

Has ten minute intermittent alarm, pleasing and effective in tone, large easy turning winding keys, put up in an attractive pasteboard box. Customer's name and address printed on dials free when ordered in case lots of two dozen. The Bingo Alarm Clock is made by "Westclox" the makers of the well known "Big Ben."

ONE DOZEN IN A CARTON.

WESTERN CLOCK CO.'S.



Lookout, height 6 in., solid seamless brass case, tapering from a 4 in. polished back into a 2¾ in. ivory white dial, fitted with 1 day movement, loud and clear continuous alarm with shut-off switch, w't 17 oz., nickel plated or polished brass finish, w't per doz. 13½ lbs.,
per dozen .....**JICE** $15.60

Every clock comes with a dollar price tag attached and is put up in a striking individual cardboard box.

12 clocks in a carton assorted 6 each, nickel plated and polished brass, shipping w't 13½ lbs.; 24 clocks, two cartons, assorted in a case, shipping w't 40 lbs. Dealer's name will be printed on dials free of charge when ordered in lots of 24—no less.



Ironclad, height 5 in., 2½ in. dial, with knurled brass bezel, heavy bronze plated cast iron case with fancy front and copper color base, hard steel pinion and pivots, fine hard steel lever escapement, 1 day movement, continuous alarm, loud and clear, with shut-off switch, w't per doz. 33 lbs. .....per dozen **ABBE** $30.40

The whole works are enclosed in the cast iron armor. Proof against dust and hard knocks. No projecting bell to be knocked off, no attached legs to be broken or bent.

ONE IN AN ATTRACTIVE PASTEBOARD BOX; TWENTY-FOUR IN A CASE. W'T 75 LBS.

CLOCKS *and* WATCHES



No. 400 CVB—Nickel, 1 day intermittent alarm, height 7½ in., dial 5 in., width 5¼ in., heavy seamless case, finely nickel plated, bell metal gong, large clear dial, an excellent timekeeper, w't per doz. 50 lbs., ...per dozen **BCGE** $39.60

No. 401 CVB—Brushed brass, otherwise same as No. 400, w't per doz. 50 lbs., per dozen **BCGE** $39.60



No. 402 CVB—Nickel, eight day automatic alarm, height 7½ in., dial 5 in., width 5¼ in., eight day time and alarm, heavy seamless case, finely nickel plated, bell metal gong, a distinctive clock and an accurate time piece, w't per doz. 50 lbs., per dozen .....**BIAJ** $48.50

No. 403 CVB—Brushed brass, otherwise same as No. 402, w't per doz. 50 lbs., per dozen **BIAJ** $48.50



No. 405 CVB—Nickel, height 5¾ in., dial 4 in., width 4¼ in., an excellent clock, substantial and handsome, convex glass, bell metal gong, seamless case, heavily nickel plated, one day time and alarm, w't per doz. 35 lbs. .....per dozen **AJFE** $17.75



Cruso, stem-wind and stem-set, 16 size, nickel case, heavy beveled crystal, the best watch on the market, w't per doz. 2 lbs.....per dozen **AJAJ** $16.80

CLOCKS.

Special advertising dials with the name and address of customer printed thereon will be furnished free of charge with all clocks on this page when ordered in full case lots. Shipment to be made direct from factory. Orders should specify clearly and accurately just what is to be printed on dial.

ANSONIA CLOCK CO.'S.



PIRATE—Height 6¼ in., 4 in. dial with large figures, heavy nickel plated, seamless brass case, 1 day movement, continuous alarm, loud and clear, w't per doz. 15 lbs.,
per dozen .....**AJAJ** $16.80

ONE IN A BOX; FIFTY IN A CASE.
W'T 95 LBS.



REPEATER—Height 7 in., 5 in. dial, extra heavy nickel plated seamless brass case, 1 day movement, intermittent and continuous alarm, rings loud and clear, either intermittently for 25 minutes or continuously for 15 minutes, nickel plated bell, with shut-off switch, w't per doz. 24 lbs.,
per dozen .....**AEHE** $26.40

ONE IN A BOX; FIFTY IN A CASE.
W'T 130 LBS.

WATERBURY.



SUNRISE—Height 6½ in., 4 in. dial, with second hand, nickel plated brass case, 1 day movement, continuous alarm, nickel plated bell, with shut-off switch, w't per doz. 15 lbs., per dozen .....**AJEJ** $17.46

ONE IN A BOX; FIFTY IN A CASE.
W'T 70 LBS.



CYCLONE—Height 7 in., 4¾ in. dial, with alarm indicator, brass case, finishes 1 day movement, 5½ in. loud ringing bell at back, w't per doz. 27 lbs.

Nickel Plated Finish,
per dozen .....**BCCJ** $38.80

Old Brass Finish,
per dozen .....**BCCJ** 38.80

Oxidized Finish,
per dozen .....**BCCJ** 38.80

ONE IN A BOX; TWENTY-FIVE IN A CASE.
SHIPPING W'T 70 LBS.

Alarm will ring continuously for five minutes, or alternately for fifteen minutes at one-half minute intervals, alarm may be stopped at will by mean of shut-off switch.

WATERBURY.



SPASMODIC—Height 6 In., 4¼ in. dial with alarm indicator, heavy nickel plated seamless brass case, 1 day movement, intermittent alarm, rings and stops alternately for 15 minutes at intervals of 30 seconds, 3¾ in. gong on back, with shut-off switch, w't per doz. 12 lbs.,
per dozen .....**AFJJ** $26.66

ONE IN A BOX; FIFTY IN A CASE.
W'T 105 LBS.



DOT—Height 5½ in., 2½ in. dial, with second hand, nickel plated brass case, 1 day movement, continuous alarm, nickel plated bell, with shut-off switch, w't per doz. 12 lbs., per dozen $17.46
AJEJ

ONE IN A BOX; FIFTY IN A CASE.
W'T 70 LBS.

NEW HAVEN.



INDEE—Height 3⅞ in., width 3¾ in., dial 2 in, solid brass case, nickel or polished gilt finish, 1 day movement, time only, without alarm, w't 2 lbs., each .....**AEJ** $2.12

ONE IN A BOX; TWENTY-FIVE IN A CASE.

ALARM CLOCKS.

Special advertising dial with name and address of customer printed thereon will be furnished free of charge with all clocks on this page when ordered in full case lots. Shipment to be made from factory. Orders should specify clearly and accurately just what is to be printed on the dial.



THE AUTOMATIC, 8 Day Alarm, Height 7¼ in., Width 6 in., Dial 4½ in., 6 in. Seamless Brass Case, With Bell Metal Gong on Back, W't per doz. 33 lbs.
No. 800—Nickel Plated,
per dozen .....**BIAJ** $48.48
No. 801—Brushed Brass,
per dozen .....**BIAJ** $48.48
TWENTY-FOUR IN A CASE. W'T 85 LBS.
No. 803—Mahogany finish display stand furnished free of charge with 6 automatic alarm clocks—No less.



CIRCLE—Height 4¼ in., width 3¼ in., dial 2 in., 3¼ in. seamless brass case, nickel plated, 2 in. bell metal gong attached to back, 1 day time alarm movement with "alarm or silent" switch, w't per doz. 8 lbs.,
per dozen .....**AFJJ** $26.64
FIFTY IN A CASE. W'T 45 LBS.



PROMPTER—Height 7¼ in., width 6 in., dial 4¼ in., seamless brass case with 4 in. bell metal gong on back, nickel plated, 1 day alarm movement, rings intermittently every 20 seconds for 15 minutes, fitted with alarm and silent switch, w't per doz. 27 lbs.,
per dozen .....**AIFJ** $32.64
TWENTY-FOUR IN A CASE. W'T 78 LBS.



No. 1—TATTOO, height 6¼ in., width 4½ in., dial 4 in., 4½ in. seamless brass case, knurled front, with 4 in. bell metal gong on back, nickel plated, 1 day alarm movement, rings intermittently every 20 seconds for 15 minutes, fitted with "alarm" and "silent" switch, w't per doz. 21 lbs.,
per dozen .....**AFGJ** $27.84
FIFTY IN A CASE. W'T 110 LBS.



JUNIOR TATTOO—Height 3 in., width 2¼ in., dial 2 in., 2¼ in. seamless brass case, knurled front, with 2 in. bell metal gong on back, nickel plated, 1 day alarm movement, rings intermittently every 20 seconds for 5 minutes, fitted with "alarm" and "silent" switch, w't per doz. 6 lbs.
No. 3—Nickel Finish,
per dozen .....**AFHJ** $28.04
No. 4—Gilt Finish,
per dozen .....**AIFJ** $32.64
FIFTY IN A CASE. W'T 33 LBS.



DUOBELL—Double bell, extra loud alarm, height 6¼ in., 4 in. dial, with shut-off switch, 30 hour time, nickel plated seamless case, w't per doz. 20 lbs. .....per dozen **JIIE** $16.56
FIFTY IN A CASE; SHIPPING W'T 78 LBS.



Two Alarm Clocks in One.
THE RECALL—Height 7 in., width 5½ in., has a large bell metal gong at back, handsome seamless brass case, nickel plated 4½ in. dial, w't per doz. 32 lbs. .....per dozen **BCCJ** $38.88
TWENTY-FOUR IN A CASE. SHIPPING W'T 85 LBS.



JUMP—Height 6½ in., width 4¼ in., dial 4 in., 4½ in. seamless brass case with 2¾ in. bell., nickel plated with brass back and mat, 1 day alarm movement, shut off switch,
per dozen .....**JHEJ** $14.16
FIFTY IN A CASE. W'T 74 LBS.



RAPID FIRE—Height 6¼ in., width 4½ in., dial 4¼ in., 4½ in. seamless brass case with 4 in. bell metal gong on back, nickel plated, 1 day alarm movement, rings intermittently every 20 seconds for 15 minutes, fitted with "alarm" and "silent" switch,
per dozen .....**ACHJ** $23.04
FIFTY IN A CASE. W'T 98 LBS.

NEW HAVEN KITCHEN CLOCKS.





NORWICH LINE ASSORTMENT, Consisting of Six Clocks, Two Each of the Three Patterns Shown above, 4 Light Oak and 2 Dark Oak, Height 25 inches, Width 15½ inches, 6 inch Dial.

8 day half hour strike .....per case of six **ACIE** $23.26
8 day half hour strike, alarm .....per case of six **AEJE** 25.10
8 day half hour strike, gong .....per case of six **AEJE** $25.10
8 day half hour strike, gong alarm, per case of six **AGIE** 29.94

SIX IN A CASE. W'T 85 LBS.





MUTUAL LINE ASSORTMENT, Consisting of Six Clocks, Two Each of the Three Patterns Shown above, 4 Oak and 2 Walnut, Height 24½ inches, Width 15½ inches, 6 inch Dial.

8 day half hour strike .....per case of six **AFJE** $26.74
8 day half hour strike, alarm ....per case of six **AGAE** 28.58
8 day half hour strike, gong .....per case of six **AGAE** $28.58
8 day half hour strike, gong alarm, per case of six **AHBE** 30.42

SIX IN A CASE. W'T 94 LBS.




CONROY—Height 25 in., width 15½ in., dial 6 in., oak case with thermometer and barometer, 8 day, half hour strike movement, with calendar .....each **CBJ** $5.30

ONE IN A CASE. W'T 20 LBS.

SHARP GOTHIC, G, Height 21 inches, Width 11½ inches, Dial 6 inch, Veneered Wood Case, Decorated Glass Door, 8 Day Time Piece Movement, Hour and Half Hour Strike.

Each .....**CCJ** $5.50
Fitted with alarm, extra.....**BE** .44

ONE IN A CASE. W'T 16 LBS.



O. G. No. 2, Height 26 inches, Width 15¼ inches, Dial 8 inches, Wood Case with Mahogany or Zebra Veneer, 1 Day Strike Movement.

Each .....**DEJ** $7.50
Fitted with alarm, extra.....**BE** .44

ONE IN A CASE. W'T 30 LBS.

NEW HAVEN KITCHEN AND LEVER CLOCKS.



CAMDEN LINE ASSORTMENT, Consisting of Six Clocks, Two Each of the Three Patterns Shown above, 4 Light Oak, 2 Dark Oak, Height 22 inches, Width 14 inches, 6 inch Dial.

8 day, half hour strike	per case of six	**ABBE**	$20.44
8 day, half hour strike, alarm	per case of six	**ACCE**	22.28
8 day, half hour strike, gong	per case of six	**ACCE**	22.28
8 day, half hour strike, gong alarm	per case of six	**ADDE**	24.12

SIX IN A CASE. W'T 75 LBS.



MERCHANT'S LINE ASSORTMENT, Consisting of Six Clocks, Two Each of the Three Patterns Shown above, 4 Light Oak and 2 Dark Oak, Height 23¾ inches, Width 15 inches, 6 inch Dial.

8 day, half hour strike	per case of six	**ABBE**	$20.44
8 day, half hour strike, alarm	per case of six	**ACCE**	22.28
8 day, half hour strike, gong	per case of six	**ACCE**	22.28
8 day, half hour strike, gong alarm	per case of six	**ADDE**	24.12

SIX IN A CASE. W'T 80 LB.



WOOD LEVER—8 day, time only, solid oak or walnut case.

6 in. dial	each	**CCE**	$5.60
8 in. dial	each	**CFE**	6.06
10 in. dial	each	**DAE**	6.92
12 in. dial	each	**DFJ**	7.68
Extra for strike	each	**EJ**	.96

W'T 18 LBS.
ONE IN A CASE.



CANTON LEVER—Polished nickel or brass case, 8 day, time piece movement.

6 in. dial	each	**CCE**	$5.60
8 in. dial	each	**CFE**	6.06
Extra for strike, on 8 day only, each		**EJ**	.96

W'T 15 LBS.
ONE IN A CASE.



GALLERY—Diameter of case 21½ in., dial 14 in., 8 day, time piece pendulum movement, solid oak or walnut case, each **AAEJ** $19.20

Extra, for 30 day movement, each **ADJ** 2.30

GALLERY—Diameter of case 25⅛ in., dial 18 in., 8 day, time piece pendulum movement, solid oak or walnut case, each **ACIJ** $23.14

Extra, for 30 day movement, each **ADJ** 2.30

SHIPPING W'T 50 LBS.
ONE IN A CASE.

NEW HAVEN DROP OCTAGON AND REGULATOR CLOCKS.



BRANFORD, Height 22¼ Inches, Width 15 Inches, 10 Inch Dial, Solid Oak Case.

No. 210—8 day timepiece, each ..... CEJ $5.85
No. 310—8 day strike, each DAJ 6.80
No. 410—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. W'T 19 LBS.

BRANFORD, Height 27½ Inches, Width 17½ Inches, 12 Inch Dial, Solid Oak Case.

No. 212—8 day timepiece, each ..... CGJ $6.15
No. 312—8 day strike, each DBE 7.10
No. 412—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. W'T 26 LBS.



DROP OCTAGON, Height 21⅝ Inches, Width 13⅞ Inches, 10 Inch Dial, Solid Oak Case.

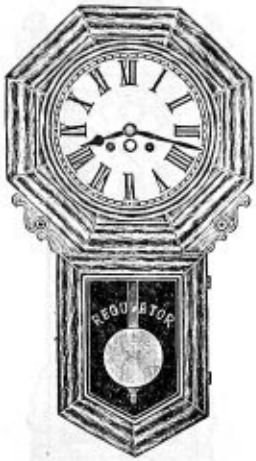
No. 510—8 day timepiece, each ..... CDJ $5.65
No. 610—8 day strike, each CIE 6.60
No. 710—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. W'T 18 LBS.

DROP OCTAGON, Height 23⅜ Inches, Width 16¼ Inches, 12 Inch Dial, Solid Oak Case.

No. 512—8 day timepiece, each ..... CHJ $6.30
No. 612—8 day strike, each DCE 7.25
No. 712—Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. W' 21 LBS.



ERIE, Height 33½ Inches, Width 18½ Inches, 12 Inch Dial, Solid Oak Case, Antique Finish.

8 day timepiece.....each DBJ $7.00
8 day strike, cathedral gong, each ..... EJE 8.40

Fitted with calendar, extra, each ..... BE .45

ONE IN A CASE. W'T 34 LBS.



REFEREE, Height 35½ Inches, Width 16 Inches, 12 Inch Dial, Solid Oak Case.

8 day timepiece.....each DBE $7.10
8 day strike, gong..... EAJ 8.52

Fitted with calendar, extra, each ..... BE $0.45

ONE IN A CASE. W'T 49 LBS.



TAMPA, Height 37½ Inches, Width 15½ Inches, 12 Inch Dial, Solid Oak Case.

8 day timepiece.....each DBE $7.10
8 day strike, cathedral gong, each ..... EAJ 8.52

Fitted with calendar, extra, each ..... BE .45

ONE IN A CASE. W'T 43 LBS.



HARVARD, Height 32¼ Inches, Width 17½ Inches, 12 Inch Dial, Solid Oak or Walnut Case.

8 day timepiece .....each EDJ $9.04
8 day strike .....each JFBE 10.46

ONE IN A CASE. W'T 33 LBS.

NEW HAVEN REGULATOR CLOCKS.



TAMPICO, Height 44⅜ Inches, Width 16¼ Inches, Dial 12 Inches, Oak or Mahogany Case.

8 day time .....each **EBJ** $8.64
30 day time .....each **JFDE** 10.76

ONE IN A CASE. W'T 48 LBS.



VAMOOSE, Height 45 Inches, Width 15¼ Inches, Dial 10 Inches, Solid Oak or Mahogany Case.

8 day time .....each **JGBJ** $12.30
8 day gong .....each **JHBE** 13.74
30 day time .....each **JHFE** 14.42
8 day clocks fitted with calendar, extra, each .....**BE** $0.45

ONE IN A CASE. W'T 47 LBS.



Showing Thirty Day Calendar Fitting.

RUTLAND, Height 48 Inches, Width 19½ Inches, Dial 10 Inches, Solid Antique Oak or Mahogany Case.

8 day time .....each **JIBJ** $15.36
8 day gong .....each **AJAJ** 16.80
30 day time .....each **AJEJ** 17.48
30 day time calendar, each **ABAE** 20.26
8 day clocks fitted with calendar, extra, each .....**BE** $0.45

ONE IN A CASE. W'T 62 LBS.



COLUMBIA, Height 48½ Inches, Width 14¼ Inches, Dial 8 Inches.

8 day spring time ...each **JIGJ** $16.16
8 day strike, cathedral gong, each .....**AJEE** 17.58
30 day time .....each **AJIE** 18.28

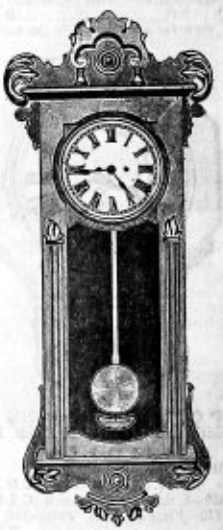
ONE IN A CASE. W'T 50 LBS.



SATURN, Height 34⅜ Inches, Width 15¼ Inches, Dial 12 Inches, Solid Antique Oak or Mahogany Case.

30 day time .....each **AJJE** $16.76
8 day time weight ..each **ADGJ** 24.50

ONE IN A CASE. W'T 40 LBS.



GRECIAN, Height 51 Inches, Width 20 Inches, Dial 10 Inches, Solid Antique Oak or Mahogany Case.

8 day time .....each **AAJE** $18.44
8 day gong .....each **AAIE** 19.50
8 day time weight ..each **AEEE** 25.94
30 day time .....each **ABCE** 20.56
30 day time calendar, each **ABEE** 20.90

ONE IN A CASE. W'T 67 LBS.

NEW HAVEN BLACKWOOD MANTEL CLOCKS.



BINGEN—Height 10 in., width 12½ in., 6 in. pearl or ivorine dial, black enameled wood case, 8 day, half hour strike, cathedral gong movement, w't 16 lbs. .....each **DJJ** $6.16



BRIGHTON—Height 10 in., width 12½ in., 6 in. pearl or ivorine dial, black enameled wood case with marbleized pillars, 8 day, half hour strike, cathedral gong movement, w't 17 lbs., each .....**CIJ** $6.52



LORING—Height 11½ in., width 15½ in., 6 in. pearl or ivorine dial, black enameled wood case with marbleized mouldings and pillars, gilt or bronze trimmings, 8 day, half hour strike, cathedral gong movement, w't 18 lbs., each .....**DHE** $8.08



EDGEMONT—Height 10¼ in., width 15⅝ in., 6 in. pearl or ivorine dial, black enameled wood case with bronze trimmings, or dark steel with gilt trimmings, 8 day, half hour strike, cathedral gong movement, w't 18 lbs., each .....**DHE** $8.08

ONE IN A CASE.



No. 3451—Height 11¼ in., width 16½ in., dial 6 in., black enameled wood case, 8 day, half hour cathedral gong strike, w't 20 lbs. .....each **EEJ** $9.20



PRESCOTT—Height 11½ in., width 18½ in., 6 in. pearl or ivorine dial, black enameled wood case with marbleized pillars, gilt or bronze trimmings, 8 day, half hour strike, cathedral gong movement, w't 22 lbs., each .....**EGJ** $9.50



OTTAWA—Height 11¾ in., width 16½ in., 6 in. pearl dial, black enameled wood case with marbleized mouldings and pillars, gilt or bronze trimmings, 8 day, half hour strike, cathedral gong movement, w't 23 lbs., each .....**EHE** $9.74

ONE IN A CASE.



No. 3452—Height 11 in., width 17 in., dial 6 in., black enameled wood case, 8 day, half hour gong strike, w't 20 lbs. .....each **EAE** $8.60



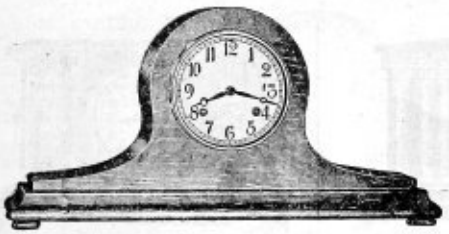
WOODBRIDGE—Height 11¾ in., width 18 in., 6 in. pearl or ivorine dial, black enameled wood case with marbleized mouldings and pillars, gilt or bronze trimmings, 8 day, half hour strike, cathedral gong movement, w't 26 lbs. .....each **JFBJ** $10.34



WOODVALE—Height 12¼ in., width 19 in., 6 in pearl or ivorine dial, black enameled wood case with marbleized mouldings and pillars, finish on trimmings gilt or bronze, 8 day, half hour strike, cathedral gong, w't 25 lbs., each .....**JFBJ** $10.34

ONE IN A CASE.

NEW HAVEN IRON AND MAHOGANY CLOCKS.



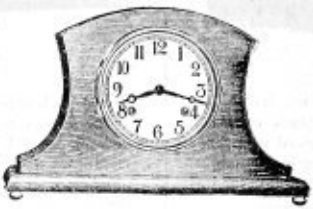
No. 11—TAMBOUR, height 10¼ in., width 20½ in., 6 in. bowed glass dial, mahogany finish case, 8 day, half hour strike, cathedral gong, w't 25 lbs. .....each **J I F E** $16.12



AURINE—Height 13 in., width 8½ in., 6 in. bowed glass dial, mahogany finish case, 8 day, half hour gong strike, w't 15 lbs. .....each **E J E** $8.42



OLYMPUS—Height 11 in., width 18¼ in., 6 in. porcelain dial, French cast sash and beveled glass, solid mahogany case, 8 day, half hour strike, cathedral gong movement, w't 20 lbs., each ..... **A E J J** $25.06



AURELLE—Height 9 in., width 14½ in., 6 in. bowed glass dial, mahogany finish case, 8 day, half hour gong strike, w't 20 lbs., each ..**J G I J** $13.20

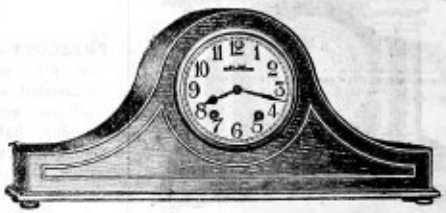
ONE IN A CASE.



OLEAN—Height 11¼ in., width 15¾ in., 6 in. porcelain dial, French cast sash, beveled glass, solid mahogany case, highly polished, 8 day, half hour strike, cathedral gong, w't 20 lbs., each ..**A J A J** $16.80



No. 1—TAMBOUR, height 10½ in., width 21½ in., 6 in. porcelain dial, French cast sash, beveled glass, solid mahogany case, 8 day, half hour strike, cathedral gong movement, high grade rack and snail type, w't 24 lbs., each **B B B J** $37.00



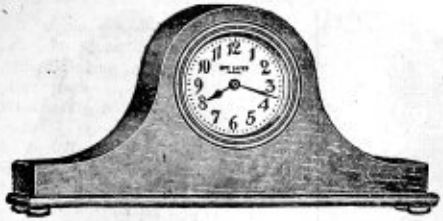
No. 14—TAMBOUR, height 8⅞ in., width 19⅞ nn., 6 in. porcelain dial, French cast sash, beveled bowed glass, solid mahogany case, movement—rack and snail, heavy brass, highly polished, 8 day, half hour strike, cathedral gong, w't 25 lbs. .....each **A I D J** $32.25



LORNE—Height 11⅛ in., width 10 in., 6 in. pearl or ivorine dial, mahogany finish case, 8 day, half hour strike, cathedral gong movement, w't 18 lbs., each .....**E J E** $8.40

ONE IN A CASE.

NEW HAVEN WOOD CLOCKS.



ISON—Height 4 in., width 8 in., 2 in. porcelain dial, mahogany finish case, 1 day time piece, w't 3 lbs., each ..... **BJJ** $3.30



WAGER—Height 6 in., width 5⅜ in., dial 3½ in., solid mahogany case, 8 day, half hour cup bell strike, w't 5 lbs. ..each **JHCE** $13.90



QUAYLE—Height 6½ in., width 12¾ in., 3 in. porcelain dial, beveled glass, solid mahogany case, 8 day time, w't 5 lbs., each ..... **JFAE** $10.25



No. 51—ADAM, height 6½ in., width 4¼ in., 3½ in. porcelain dial, solid mahogany case, marquetry inlaid, 8 day time, w't 5 lbs., each ..... **JGGE** $13.90



CEYLON—Height 8 in., width 6¼ in., 4½ in. porcelain dial, solid mahogany case, 8 day time piece movement, rings until stopped by patent switch which is automatically operated so that the clock rings automatically at the same time each morning, special silent switch when time only is wanted, w't 10 lbs. .....each **EGJ** $9.50

ONE IN A CASE.



QUINCY—Height 5½ in., width 10⅝ in., 3½ in. porcelain dial, solid mahogany case, 8 day, time piece movement, w't 10 lbs., each ..... $10.90 **JFEE**



No. 54—JACOBEAN, height 7¼ in., width 5½ in., 3½ in. porcelain dial, solid mahogany case, base of cane design, 8 day time, w't 5 lbs., each ..... **EHE** $9.76



No. 55—JACOBEAN, height 6½ in., width 13½ in., 3¼ in. porcelain dial, solid mahogany case, 8 day time, w't 5 lbs., each ..... **JGHE** $13.10



IRVINE—Height 4 in., width 7¼ in., 2 in. porcelain dial, 1 day time, w't each 2 lbs. .....each **BEJ** $4.14
1 day alarm, w't each 2 lbs. .....each **CDJ** 5.64

ONE IN A CASE.

NEW HAVEN MANTEL, MISSION, HALL AND HANGING CLOCKS.



San Jose.

San Jose, height 20½ in., width 12 in., 6 in. wood dial, cast numerals and fancy brass hands, solid oak case, flemish finish, 8 day, half hour strike, cathedral gong movement, w't 16 lbs. .....each **BGE** $4.60



Mirror, Height 24¼ Inches, Width 16½ Inches, 6 Inch Dial, Solid Oak Case, Light or Dark Oak Finish, Has Mirrors in Side Panels, W't 18 Pounds.

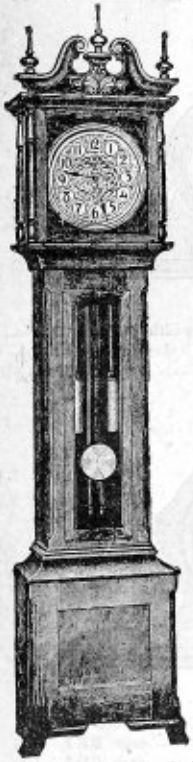
8 day, half hour strike, each .....**BFE** $4.47
8 day, half hour strike, alarm, each .....**BIE** $4.90
8 day, half hour strike, cathedral gong, each .....**BIE** $4.90



No. A, Mersey Hanging Clock, Height 25 Inches, Width 13 Inches, 6 Inch Dial, Solid Oak Case, Light or Dark Finish, W't 18 Pounds.

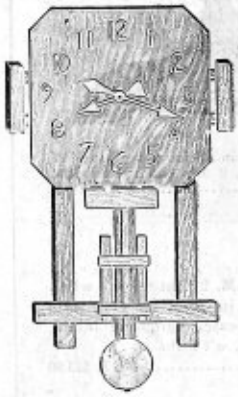
8 day, half hour strike, each .....**BHE** $4.75
8 day, half hour strike, alarm, each .....**CAJ** $5.18
8 day, half hour strike, cathedral gong, each .....**CAJ** $5.18

ONE IN A BOX.





No. 2849.



No. 2891.

No. 2849—Height 30 in., width 13 in., 12 in. dial, Spanish mission case, brass hands and figures, 8 day, half hour strike, cathredal gong, w't 20 lbs. .....each **DAJ** $6.82

No. 2891—Height 27½ in., width 15½ in., dial 12½ in., cathedral gong, Spanish mission case, brass hands and figures, 8 day, hour and half hour strike, w't 20 lbs., each .....**CIE** $6.60



Wilmington, height 91 in., width 21½ in., dial 12 in., antique oak or solid mahogany case with gilt top ornaments, 8 day weight movement, hour and half hour strike, cathedral gong, etched metal dial, w't 180 lbs. ....each **DGEJ** $82.50

Stanton, height 64 in., width 21 in., dial 12 in., solid oak or mahogany case, 8 day time piece, weight movement with retaining power, w't 100 lbs. .....each **CJCJ** $50.50

ONE IN A BOX.

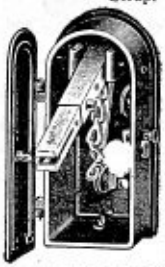
PORTABLE WATCHMEN'S CLOCKS.

HARDINGE "PATROL."

Apprved and Labeled by the National Board of Underwriters.



Clock Showing Leather Pouch and Strap.



Station Box Showing Key in Position.

PAPER DIALS.

A simple, durable, flexible, interchangeable, absolutely tamper-proof system for keeping a check on watchmen.

No. 60—Patrol Clock, consisting of full jeweled movement, in a spun aluminum case, 4¼ in. dial, w't 2¼ lbs., complete with leather pouch, carrying strap and one year's supply of dials, but without station keys and boxes, each $60.00

No. 65—Lock Station Boxes and Patent Station Keys, complete ....each $6.00

No. 1—Extra dials, one year's supply, 375 dials .....per lot $4.00

No. 3—Extra dials, three years' supply —1125 dials .....per set $10.00

All of the following points are unique with the Hardinge Patrol System and are not found in any other.

The clock itself contains no recording mechanism—nothing but the movement, the Detective lock and a guide for the key. The detective lock punctures the paper dial both when the clock is opened and closed, and is an absolute guarantee against tampering.

Movement is Interchangeable—It can be replaced by anyone in a few moments' time.

The Patent Station Key, is the vital part of this system. The mechanism in each key is simple, protected from weather, dust and tampering. The key can only be made with an expensive special set of tools, **so that duplication is practically impossible.** Each set of station keys produce a different record so that there are no duplicate sets made. This is accomplished by using some portion of a firm name, or any word of words that may be desired. Each key embosses one letter on the paper dial.

A 12-hour paper dial is ordinarily used because the record is more distinct. Twenty-four hour dials can be furnished when specified.

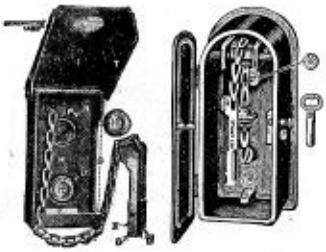
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HARDINGE "ALERT."

Approved and Labeled by the National Board of Underwriters.



Showing clock in leather pouch.



Showing drop cover station box, Model B. Showing Lock Station Box Model A.

In the "Alert" clock system the registering mechanism is a part of the clock. The registering key is raised in a direct line against the matrix in the clock when it embosses the record. This eliminates the turning of the key and the wear on the embossing character on the key, thereby prolonging the life of the matrix and the key.

No. 30—"Alert" clock consisting of a full jewel movement in a spun aluminum case, 4¼ in. dial, w't 2¾ lbs., complete with leather pouch fitted with wire grill to protect clock dial, leather sling strap and one year's supply of dials .....each $60.00

No. 100—Model B, extra drop cover station boxes with recording keys, each $2.00

No. 200—Model A, extra lock station boxes with recording keys, each $4.00

No. 250—Extra paper dials, one year's supply—375 dials.....per box $5.00

The "Alert" clock may be had with any number of stations from one to thirty-two as may be required, additional stations may be added until the total number reaches thirty-two.

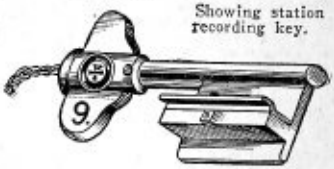
NEWMAN 1915 GRILLE MODEL.

Approved by the National Board of Fire Underwriters and all Mutuals.



Showing Clock in Metal Pouch with Metal Grille Front and Leather Sling Strap.

Showing station recording key.





Showing Station Box with Recording Key.

The Newman Watchmen's Clock is tamper proof and fool proof. Fitted with a movement that is similar to that of a fine pocket watch, being jeweled and having thick plates and pillar posts. The case of the clock is made of nickel aluminum. Has a 2¾ in. time dial.

Complete with leather pouch fitted with metal grille front, also leather sling strap, lock metal station boxes, hardened phosphor bronze recording keys, chains, seals, and one year's supply of paper recording dials.

Nos.	6	9	12	16
Stations	6	9	12	16
Each	$115.00	120.00	125.00	130.00

Note—We shall furnish the lift type station box, **without lock** if so desired, without any extra charge. **Be particular to specify non-lock boxes when these are wanted, otherwise we shall send the regular lock boxes.**

Extra Paper Recording Dials.

No. 2½ Dials, one year's supply, 375 dials in a box, per box..... $5.00

Extra Lock Station Boxes.

No. 50—.....each $1.00

Extra Recording Keys.

No. 1½ .....each $3.00

INGERSOLL WATCHES.

Cuts Three-Quarter Size.



YANKEE, 16 Size, Stem Wind and Set.

Nickel plated case.		Per Dozen.
Less than 3 dozen	AJDE	$17.40
3 to 6 dozen	AJAJ	16.80
6 dozen or more	JIGJ	16.20
Gold plate finish,		
Less than 3 dozen	AAAE	18.60
3 to 6 dozen	AJHJ	18.00
6 dozen or more	AJDE	17.40
Oxidized case,		
Less than 3 dozen	AAAE	18.60
3 to 6 dozen	AJHJ	18.00
6 dozen or more	AJDE	17.40



ECLIPSE, 16 Size, Full Stem Wind and Push in Stem Set, Semi-Bascine, Snap Back and Bezel.

Solid nickel case,		Per Dozen.
Less than 3 dozen	ADGE	$24.60
3 to 6 dozen	ADDJ	24.00
6 dozen or more	ADJE	23.40
Oxidized case,		
Less than 3 dozen	AEEJ	25.80
3 to 6 dozen	AEAJ	25.20
6 dozen or more	ADGE	24.60

This is a thin model, the kind people are asking for, and is low-priced. Anybody can afford one. It is timed and tested for seven days at the factory.



MIDGET, 6 Size, Ladies, Stem Wind and Set.

Solid nickel case,		Per Dozen.
Less than 3 dozen	AIDE	$32.40
3 to 6 dozen	AHGJ	31.20
6 dozen or more	AHJJ	30.00
Oxidized solid nickel case,		
Less than 3 dozen	BJAE	33.60
3 to 6 dozen	AIDE	32.40
6 dozen or more	AHGJ	31.20

Equipped with a second hand and equals, for practical purposes, any woman's watch made.



No. 18-A—Assortment consists of 18 assorted Ingersoll watches as enumerated below and one attractive show case, 13¼x7¾x7½ in. The entire frame work of the case is made of oxidized copper with double thick plate glass top and four sides, fitted with a black flock covered pad which holds 12 watches. All lettering is in high relief and in a sparkling yellow color, w't complete 17 lbs.

8 Yankee Nickel Finish, retail value each $1.00	$8.00
2 Yankee Gun Metal finish, retail value, each $1.00	2.00
2 Eclipse Solid Nickel, retail value, each $1.50	3.00
1 Eclipse Gun Metal finish, retail value, each $1.50	1.50
2 Junior Solid Nickel, retail value each $2.00	4.00
1 Junior Gun Metal finish, retail value, each $2.00	2.00
1 Midget Solid Nickel, retail value, each $2.00	2.00
1 Midget Gun Metal Finish, retail value, each $2.00	2.00
1 No. 12 Show Case	0.00
Total retail value BBJJ	$24.50

No. 12—13¼x7¾x7½ in. The entire frame work is made of oxidized copper, double thick plate glass top and four sides, fitted with black flock covered pad, which holds 12 watches, all lettering is in high relief and in a sparkling yellow color, w't 12 lbs., each ABJ $2.00

A most attractive means of displaying Ingersoll Watches both in the counter and in the window. The case is figured in the above assortment at $1.00, which is ½ of the cost of the same to the manufacturers.

ONE ASSORTMENT IN A WOOD BOX.



JUNIOR, 12 Size, Stem Wind and Set.

Solid nickel case,		Per Dozen.
Less than 3 dozen	AIDE	$32.40
3 to 6 dozen	AHGJ	31.20
6 dozen or more	AHJJ	30.00
Gun metal case,		
Less than 3 dozen	BJAE	33.60
3 to 6 dozen	AIDE	32.40
6 dozen or more	AHGJ	31.20

In size and shape the Ingersoll Junior resembles the thinnest of American models and in quality and finish is up to the Standard of the best watches made. Everything about the new Junior is distinctly high class and up-to-date.



No. 17—Arm, black with white letters, holds six watches, with Ingersoll watches, free of charge.

Display stands, etc., furnished free or at a nominal cost.

WATCHES, WATCH ASSORTMENTS AND DISPLAY STANDS.

INGERSOLL WRIST.



No. 251—6 size, gun metal case, complete with brown leather straps, w't per doz. 36 oz. .....per dozen **BCGE** $39.60

INGERSOLL UNIVERSAL.



Useful As a Tarvelers' Clock, Desk Paper Weight, Mantle or Dresser Clock. Thoroughly Practical.

No. 44—16 size, Yankee nickel watch inclosed in white French ivory shell, per dozen .....**ABFJ** $21.00

No. 45—6 size, Midget, nickel watch enclosed in white French ivory shell, per dozen .....**BAFJ** $36.00

ONE IN A BOX.

POCKET BEN WATCHES.



Pocket Ben—Thin model, 16 size, open face, stem wind, stem set, plain polished nickel finished case, heavy beveled crystal, w't per doz. 2½ lbs., per dozen .....**JFCE** $15.60

This watch is manufactured by the makers of the famous Big Ben Alarm Clocks.

INGERSOLL WATCH ASSORTMENT.



No. 36-J—Assortment consisting of 3 dozen watches as follows—

16 Yankee Nickel, retail value $1.00	$16.00
2 Yankee Oxidized, retail value $1.00	2.00
4 Eclipse Nickel, retail value $1.50	6.00
2 Eclips Oxidized, retail value $1.50	3.00
4 Junior Nickel, retail value $2.00	8.00
2 Junior Oxidized, retail value $2.00	4.00
1 Junior Gilt, retail value $2.00	2.00
3 Midget Nickel, retail value $2.00	6.00
1 Midget Oxidized, retail value $2.00	2.00
1 Wrist Watch Nickel, retail value $2.50	2.50
Total retail value	$51.50

With the above assortment you receive a model window display consisting of one 3 panel screen measuring 26x16 in. extended, 12 cards, one caliper poster, 36 watch boxes and 3 cartons in which the watches are packed.

ONE ASSORTMENT IN A BOX.

CRUSO WATCH COUNTER DISPLAY STANDS.

Without Watches.



No. 5—CRUSO, 13 in. long, 8½ in. high, mahogany finish, gold lettered, substantial wood easel back.

No charge for the stand if with an order for three dozen **CRUSO** watches.

Special Notice—We do not give any watches free with stand.

MISCELLANEOUS WATCHES.

Cuts three-quarter size.

CRUSO WATCHES.



Cruso—16 size, open face, stem wind and stem set, plain polished nickel finished case, heavy beveled crystal, Arabic dial, w't per doz. 2 lbs., per dozen .....**AJAJ** $16.80

Positively the best dollar watch on the market.

GUARANTEED FOR ONE YEAR.

ONE IN A NEAT PASTEBOARD BOX.

SWISS ANGLO.



Swiss Anglo, 16 Size, Open Face, Thin Model, Plain Polished, Patented Stem Wind and Set, Antique Pendant and Gilt Crown, Sunk Second Dial, Heavy Beveled Crystal Barrel Bridge, Improved Quick Beat Escapement.

Nickel plated case, per dozen .....**ADDJ** $24.00
In 6 doz. lots, per dozen.**ACGJ** 22.80
Gilt plated case, per doz. **AEAJ** 25.20
In 6 doz. lots, per dozen **ADDJ** 24.00
Gun metal case, per doz. **AEAJ** 28.20
In 6 doz. lots, per dozen **ADDJ** 24.00

GUARANTEED TO KEEP GOOD TIME.

ONE DOZEN IN A BOX WITH EASEL DISPLAY CARD.

ONE IN A BOX.

MOTOR.



16 Size, Open Face, Stem Wind and Stem Set, with Plain, Smooth Edge and Fancy Back Case, Heavy Beveled Crystal, Fitted with Roman or Arabic Dial.

Motor, nickel finish, fancy engraved back .....per dozen **JHFE** $14.40
In 6 doz. lots, per dozen **JHCJ** 13.80

Motor, gilt finish, fancy engraved back .....per dozen **JICE** $15.60
In 6 doz. lots, per dozen **JIJJ** 15.00

Motor, gun metal finish, plain back only, black or white dial, per dozen .....**JICE** $15.60
In 6 doz. lots, per dozen **JIJJ** 15.00

In six dozen lots we can print customer's name or advertisement, free of charge, on the dials. Special printed dial orders take three or four weeks to fill after received by us.

THESE WATCHES ARE GUARANTEED FOR ONE YEAR.

ELITE.



Elite, 12 size, open face, thin model, plain polished, nickel case, patented stem wind and set, antique pendant, Arabic dial, improved quick beat escapement ....per dozen **AIBJ** $32.00
In lots of 6 doz., per doz. **AHJJ** 30.00

GUARANTEED FOR ONE YEAR.

ONE IN A BOX.

BOY SCOUT'S COMPASS WATCHES.



Front. Back.

No. 125—16 size, open face, plain polished, nickeled case, with compass in back, stem wind and set, sunk second dial, heavy beveled crystal, w't per doz. 3¾ lbs., retails for $1.25, per dozen .....**ABHJ** $21.30
In 3 doz. lots, per dozen **ABEJ** 20.80

ONE DOZEN IN A BOX WITH EASEL DISPLAY CARD.

BOY PROOF.



Has double roller escapement, a balance and a lens removable independently of the rest of the movement, a double back cover which renders it dust proof, as well as boy-proof.

Boy Proof, Nickel Plated, 16 Size, Stem Wind and Set.

In 1 doz. lots, per dozen **AJAJ** $16.80
In 3 doz. lots, per dozen **JIGJ** 16.20
In 6 doz. lots, per dozen **JICE** 15.60
In 12 doz. lots, per dozen **JIIJ** 15.00

TWELVE IN AN ATTRACTIVE DISPLAY BOX.

THESE WATCHES ARE GUARANTEED FOR ONE YEAR.

DAX.



Made in the United States.

Dax, nickel plated, 16 size, open face, plain polished case, heavily nickel plated, stem wind and stem set, gilt crown, heavy beveled crystal, double back concealing the movement and making it dust proof and tamper proof .....per dozen **JHEJ** $14.20
In 6 doz. lots, per dozen **JHBJ** 13.70

MEN'S WATCHES.

NICKEL CASES, 12, 16 AND 18 SIZE.

Illustrations Three-Quarter Size.

Entire Page D J %.



Cases Only.

No. 6000—12 size open face, screw front and back, plain nickel face, each $1.20

WATCHES COMPLETE.

Case 6000 With Movement Named Below.

No. 6001— 7 jewel standard..... $6.00
No. 6002— 7 jewel Hampden..... 11.70
No. 6003— 7 jewel Elgin..... 11.70
No. 6004—15 jewel Elgin..... 16.20



Cases Only.

No. 6005—16 size open face, screw front and back, plain nickel case, each $1.20

WATCHES COMPLETE.

Case 6005 With Movement Named Below.

No. 6006— 7 jewel Century..... $3.50
No. 6007— 7 jewel Century, with Locomotive engraved case..... $3.50
No. 6008— 7 jewel Perfection..... 5.00
No. 6009— 7 jewel Hampden..... 10.70
No. 6010— 7 jewel Elgin..... 10.70
No. 6189—15 jewel Elgin..... 16.20



Cases Only.

No. 6011—16 size open face, screw front, solid swing ring, back nickel case, plain ..... each $2.00

WATCHES COMPLETE.

Case 6011 With Movement Named Below.

No. 6012— 7 jewel Standard..... $7.00
No. 6013— 7 jewel Hampden..... 11.50
No. 6014— 7 jewel Elgin..... 11.50
No. 6015—15 jewel Elgin..... 17.00



Cases Only.

No. 6016—18 size open face, screw front and back engraved nickel case, Locomotive or Stag.....each $1.20

WATCHES COMPLETE.

No. 6016 With Movement Named Below.

No. 6017— 7 jewel Standard..... $4.70
No. 6018— 7 jewel Hampden..... 9.20
No. 6019— 7 jewel Elgin..... 9.20
No. 6020—15 jewel Elgin..... 13.40



Cases Only.

No. 6021—18 size open face, screw front and back, plain thin nickel case, each $1.20

WATCHES COMPLETE.

Case 6021 With Movement Named Below.

No. 6022— 7 jewel Century..... 3.50
No. 6023— 7 jewel Century, with Locomotive engraved case..... $3.50
No. 6024—7 jewel New Era..... 3.90
No. 6025— 7 jewel Hampden..... 9.20
No. 6026— 7 jewel Elgin..... 9.20
No. 6027—15 jewel Elgin..... 13.40



Cases Only.

No. 6028—18 size open face, screw front and back, engraved nickel case, Locomotive, Stag or landscape, each $1.20

WATCHES COMPLETE.

Case 6028 With Movement Named Below.

No. 6029— 7 jewel New Era..... $3.90
No. 6030— 7 jewel Hampden..... 9.20
No. 6031— 7 jewel Elgin..... 9.20
No. 6032—15 jewel Elgin..... 13.40

MEN'S GOLD FILLED WATCHES.

NICKEL, 20 AND 25 YEAR GUARANTEED CASES, 16 SIZE.

Illustrations are Three-Quarter Size.

Entire Page DJ%.



Cases Only.

No. 6087—16 size open face, screw back and front, plain polished or engine turned, guaranteed to wear for twenty years ..... each $7.50

WATCHES COMPLETE.

Case 6087 With Movements Named Below.

No. 6088— 7 jewel Elgin..... $17.00
No. 6089—15 jewel Elgin..... 22.50
No. 6090—17 jewel Elgin, adjusted 28.50
No. 6091—21 jewel Elgin, adjusted 54.00

These watches in Hunting, $4.00 more.



Cases Only.

No. 6092—16 size, hunting, engraved guaranteed to wear for twenty years, each $11.50

WATCHES COMPLETE.

Case 6092 With Movements Named Below.

No. 6093— 7 jewel Elgin..... $21.00
No. 6094—15 jewel Elgin..... 26.50
No. 6095—17 jewel Elgin, adjusted 32.50
No. 6096—21 jewel Elgin, adjusted 58.00

These watches in open face, screw back and front, $4.00 less.



American Movement.

Stop Watch, 16 Size Open Face, Thin Model, Pendant Set 1-5 Second, Start, Stop and Fly Back.

No. 6097— 7 jewel nickel case.... $12.00
No. 6098—15 jewel nickel case.... 14.00
No. 6099— 7 jewel 20-year case.... 18.50
No. 6100—15 jewel 20-year case.... 20.50

The cases are plain or engine turned.



Cases Only.

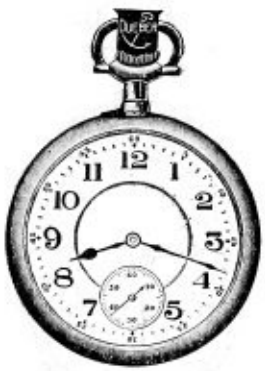
No. 6101—16 size, hunting, engraved, guaranteed to wear for twenty-five years ..... each $16.50

WATCHES COMPLETE.

Case 6101 With Movements Named Below.

No. 6102— 7 jewel Elgin..... $26.00
No. 6103—15 jewel Elgin..... 31.50
No. 6104—17 jewel Elgin, adjusted 37.50
No. 6105—21 jewel Elgin, adjusted 63.00

These watches in open face, screw back and front $5.30 less.



Cases Only.

No. 6106—16 size open face, screw back and front, plain polish or engine turned ..... each $12.00

WATCHES COMPLETE.

Case 6106 With Movements Named Below.

No. 6107— 7 jewel Elgin..... $21.50
No. 6108—15 jewel Elgin..... 27.00
No. 6109—17 jewel Elgin, adjusted 33.00
No. 6110—21 jewel Elgin, adjusted 58.50

These watches in Hunting, $4.50 more.



Cases Only.

No. 6111—16 size, hunting, engraved, guaranteed to wear for twenty-five years ..... each $18.00

WATCHES COMPLETE.

Case 6111 With Movements Named Below.

No. 6112— 7 jewel Elgin..... 27.50
No. 6113—15 jewel Elgin..... 33.00
No. 6114—17 jewel Elgin, adjusted 39.00
No. 6115—21 jewel Elgin, adjusted 64.50

These watches in open face, screw back and front, $4.50 less.

LADIES' GOLD FILLED WATCHES.

NICKEL, 5 AND 10 YEAR GUARANTEED CASES, 0 AND 6 SIZE.

Illustrations Are Actual Size.

Entire Page D J %.



Cases Only.

No. 6116—O size nickel, open face, plain ..... each $1.50

WATCHES COMPLETE.

Case 6116 With Movements Named Below.

No. 6117—7 jewel Ideal..... $6.50
No. 6118—7 jewel Elgin..... 13.50
No. 6119—15 jewel Elgin..... 19.50



Cases Only.

No. 6120—O size, hunting, engraved, guaranteed to wear for five years, each $3.10

WATCHES COMPLETE.

Case 6120 With Movements Named Below.

No. 6121—7 jewel Ideal..... $8.00
No. 6122—7 jewel Elgin..... 15.10
No. 6123—15 jewel Elgin..... 21.10



Cases Only.

No. 6124—6 size, hunting, engraved, guaranteed to wear for five years, each $3.20

WATCHES COMPLETE.

Case 6124 With Movements Named Below.

No. 6125—7 jewel Columbia..... $8.20
No. 6126—7 jewel Elgin..... 11.70
No. 6127—15 jewel Elgin..... 15.20



Cases Only.

No. 6128—O size, open face, plain or engraved, guaranteed to wear for ten years ..... each $3.00

WATCHES COMPLETE.

Case 6128 With Movements Named Below.

No. 6129—7 jewel Standard..... $9.00
No. 6130—7 jewel Elgin..... 15.00
No. 6131—15 jewel Elgin..... 21.00



Cases Only.

No. 6132—O size, hunting, engraved, guaranteed to wear for ten years, each $3.70

WATCHES COMPLETE.

Case 6132 With Movements Named Below.

No. 6133—7 jewel Standard..... $9.70
No. 6134—7 jewel Elgin..... 15.70
No. 6135—15 jewel Elgin..... 21.70



Cases Only.

No. 6136—6 size, hunting, engraved, guaranteed to wear for ten years, each $3.80

WATCHES COMPLETE.

Case 6136 With Movements Named Below.

No. 6137—7 jewel Standard..... $8.80
No. 6138—7 jewel Elgin..... 12.30
No. 6139—15 jewel Elgin..... 15.80

LADIES' GOLD FILLED WATCHES.

20 AND 25 YEAR GUARANTEED CASES, 0 SIZE.

Illustrations are Actual Size.

Entire Page DJ%.



Cases Only.

No. 6140—O size, hunting, engraved, guaranteed to wear for twenty years, each $8.30

WATCHES COMPLETE.

Case 6140 With Movement Named Below.

No. 6141— 7 jewel Elgin..... $20.30
No. 6142—15 jewel Elgin..... 26.30
No. 6143—17 jewel Elgin, adjusted 35.30

These watches in open face, $2.00 less.



Cases Only.

No. 6144—O size, open face, plain or engraved, guaranteed to wear for twenty years .....each $6.30

WATCHES COMPLETE.

Case 6144 With Movement Named Below.

No. 6145— 7 jewel Elgin..... $18.30
No. 6146—15 jewel Elgin..... 24.30
No. 6147—17 jewel Elgin, adjusted 33.30

These watches in Hunting, $2.00 more.



Cases Only.

No. 6148—O size, hunting, engraved, guaranteed to wear for twenty years, each $8.30

WATCHES COMPLETE.

Case 6248 With Movement Named Below.

No. 6149— 7 jewel Elgin..... $20.30
No. 6150—15 jewel Elgin..... 26.30
No. 6151—17 jewel Elgin, adjusted 35.30

These watches in open face, $2.00 less.



Cases Only.

No. 6152—O size, hunting, engraved, guaranteed to wear for twenty-five years ..... each $11.50

WATCHES COMPLETE.

Case 6152 With Movement Named Below.

No. 6153— 7 jewel Elgin..... $23.50
No. 6154—15 jewel Elgin..... 29.50
No. 6155—17 jewel Elgin, adjusted 38.50



Cases Only.

No. 6156—O size, open face, plain polished or Roman finish, guaranteed to wear for twenty-five years, each $8.00

WATCHES COMPLETE.

Case 6156 With Movement Named Below.

No. 6157— 7 jewel Elgin..... $23.50
No. 6158—15 jewel Elgin..... 29.50
No. 6159—17 jewel Elgin, adjusted 35.00

These watches in Hunting, $2.50 more.



Cases Only.

No. 6160—O size, hunting, engraved, guaranteed to wear for twenty-five years ..... each $11.50

WATCHES COMPLETE.

Case 6160 With Movement Named Below.

No. 6161— 7 jewel Elgin..... $23.50
No. 6162—15 jewel Elgin..... 29.50
No. 6163—17 jewel Elgin, adjusted 38.50

BRACELET WATCHES.

NICKEL, 10 YEAR, 20 YEAR AND SOLID 14K GOLD CASES, 0, 3-0, 5-0, 10-0 AND 400 SIZE.

Illustrations Three-Quarter Size. Entire Page DJ%.



No. 6164—O size, nickel, case complete with 7 jewel standard movement ..... each $8.80
No. 6165—O size, 10-year guaranteed, case complete with 7 jewel standard movement ..... each $13.00
No. 6166—O size, 10-year guaranteed, case complete with 7 jewel Elgin movement ..... each $17.00
White or gilt dial, one in a pasteboard box with velvet block.



No. 6173—3-O size, filled case, guaranteed to wear for 20 years, complete with 7 jewel Elgin movement, each $20.00
No. 6174—3-O size, filled case, guaranteed to wear for twenty years, complete with 15 jewel Elgin movement ..... each $26.00
White or gilt dials, one in a pasteboard box with velvet block.



No. 6179—5-O size, filled case, guaranteed to wear for twenty years, complete with 7 jewel Elgin movement ..... each $25.00
No. 6180—5-O size, same as No. 6179, with 15 jewel Elgin movement, each $31.00
No. 6181—5-O size, solid 14 karat gold case, complete with 7 jewel Elgin movement ..... each $40.00
No. 6182—5-O size, same as No. 6181 with 15 jewel Elgin movement, each $46.00
White or gilt dials, one in a pasteboard box with velvet block.



No. 6167—O size, nickel, case with leather strap complete with 7 jewel standard movement .....each $10.00
No. 6168—O size, nickel case, with leather strap, complete with 7 jewel Elgin movement .....each $17.00
No. 6169—O size, 20-year case, with leather strap, with 7 jewel standard movement ..... each $13.00
No. 6170—O size, 20-year case, with leather strap, with 7 jewel Elgin movement ..... each $18.00
One in a pasteboard box, white or gilt dials.



No. 6175—3-O size, filled case, guaranteed to wear for twenty years, complete with 7 jewel Elgin movement ..... each $20.00
No. 6176—3-O size, filled case, guaranteed to wear for twenty years, complete with 15 jewel Elgin movement ..... each $26.00
White or gilt dials, one in a pasteboard box with velvet block.



No. 6183—5-O size, filled case, guaranteed to wear for twenty years, complete with 7 jewel Elgin movement .....each $25.00
No. 6184—5-O size, same as No. 6183, with a 15 jewel Elgin movement, each $31.00
No. 6185—5-O size, solid 14 karat gold case, complete with a 7 jewel Elgin movement ..... each $40.00
No. 6186—5-O size, same as No. 6185, with 15 jewel Elgin movement, each $46.00
White or gilt dials, one in a pasteboard box with velvet block.



No. 6171—400 size, 10 karat solid gold case, filled bracelet, complete with 7 jewel Hampden movement, each $26.00

No. 6172—400 size, 10 karat solid gold case, filled bracelet, complete with 15 jewel Hampden movement, each $32.00

White or gilt dial, one in a pasteboard box with velvet block.



No. 6177—3-O size, filled case, guaranteed for twenty years, complete with 7 jewel Elgin movement, each $30.00

No. 6178—3-O size, filled case, guaranteed for twenty years, complete with 15 jewel Elgin movement, each $36.00

White or gilt dials, one in a pasteboard box with velvet block.



No. 6187—10-O size, solid 14 karat gold case, complete with 15 jewel Elgin movement ..... each $54.00

No. 6188—10-O size, solid 14 karat gold case, complete with a 17 jewel Elgin movement ..... each $68.00

White or gilt dials, one in a velvet silk lined box.

MEN'S WALDEMAR OR TUXEDO CHAINS, VEST AND COAT CHAINS, FOBS, AND POCKET KNIVES.

Entire Page DJ%.

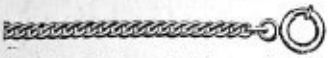
High Grade Gold Filled Soldered Links, Length, 14 Inches.



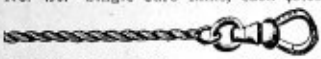
No. 9494—Combination Links..... each $4.00

MEN'S WALDEMAR OR TUXEDO CHAINS.

High Grade Gold Filled Soldered Links, Length, 14 Inches.



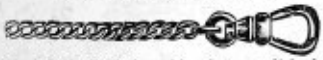
No. 4907—Single curb links, each $3.50



No. 7355—Rope chain.....each $4.50

MEN'S GOLD FILLED VEST CHAINS.

Length, 11 to 12 Inches, Complete with Bar Swivel and Toggle.



No. 5963—Rolled gold plate, polished, curb links, soldered .....each $1.65



No. 6622. No. 8023.

No. 6622—Ribbon, 6x1¼ in., with buckle, each $2.00

No. 8023—Ribbon, 6x1¼ in., safety Fob with signet charm.....each $4.35

GOLD FILLED POCKET KNIVES.



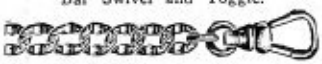
Gold Filled Soldered Rope Waldemar Chain, 14 in. Long, with Gold Filled Mounted Knife, Plain Polished or Roman Finish, Two Fine Quality Steel Blades.

No. 10132-5242—Combination complete, put up in a neat case.....each $7.50

No. 5242—Knife only .....each 3.00

MEN'S GOLD FILLED VEST CHAINS.

Length, 11 to 12 Inches, Complete With Bar Swivel and Toggle.



No. 5967—Rolled gold plate, chased, single curb links, soldered..each $1.90



No. 5964—Rolled gold plate, polished, curb links, soldered.....each $2.00

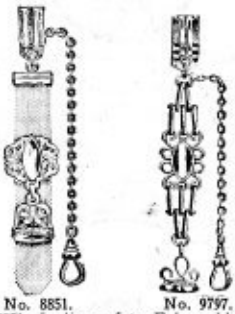


No. 6905—Rolled gold plate, chased and facetted curb links.....each $3.00



No. 9003—Gold filled, soldered, rope chain ..... each $4.50

FOBS.



No. 8851. No. 9797.

No. 8851—Ladies safety Fob, gold filled mesh, signet charm and buckle, each $5.00

No. 9797—Ladies' gold filled safety Fob, each $6.00

Gold Filled Patent Safety Fob Attachment, Protects Your Watch.

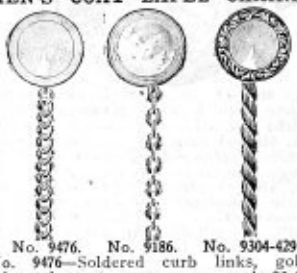


No. 2960.
Length, 5½ Inches.

No. 2960—Gold filled.....each $1.25

No. 4582—Rolled plate.....each $1.00

MEN'S COAT LAPEL CHAINS.



No. 9476. No. 9186. No. 9304-4296.

No. 9476—Soldered curb links, gold front button .....each $3.25

No. 9186—Soldered cable links, gold front, button .....each $3.35

No. 9304-4296—Soldered rope chain, gold front, engraved button.....each $4.15

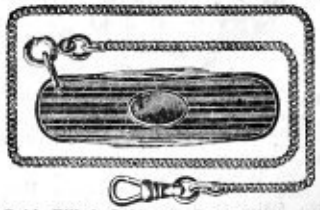


No. 8257. No. 9988.

No. 8257—Men's gold filled mesh safety Fob, stone set charm, signet buckle, each $7.20

No. 9988—Men's gold filled safety Fob, signet charm .....each $8.00

GOLD FILLED POCKET KNIVES.



Gold Filled Soldered Curb Waldemar Chain, Length, 14 Inches, with Gold Filled Mounted, Engine Turned English Finish Knife, One Fine Quality Steel Blades and File.

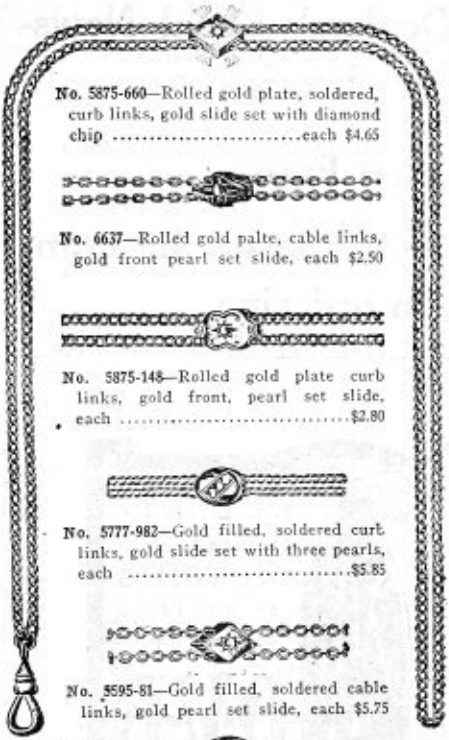
No. 10019-5247—Combination complete, put up in a neat case .....each $6.85

No. 5247—Knife only .....each 3.50

GOLD FILLED LADIES' WATCH CHAINS, LOCKETS, NECKLACES, BRACELETS AND CHATELAINE PINS.

Entire Page D J %.

LADIES' WATCH CHAINS.



No. 5875-660—Rolled gold plate, soldered, curb links, gold slide set with diamond chip .....each $4.65

No. 6637—Rolled gold palte, cable links, gold front pearl set slide, each $2.50

No. 5875-148—Rolled gold plate curb links, gold front, pearl set slide, each $2.80

No. 5777-982—Gold filled, soldered curt links, gold slide set with three pearls, each $5.85

No. 5595-81—Gold filled, soldered cable links, gold pearl set slide, each $5.75



No. 1247-839—Gold filled rope chain, gold, pearl set slide .....each $9.65

These Guard or Lorgnette Chains are all 46 to 48 inches long. All have soldered links, and are complete with slide and swivel as per cut No. 5875-660 and guaranteed to give satisfaction.

BRACELETS.



No. 9864.

No. 9864—Polished or Roman plain finish safety bracelet .....each $5.50

No. 9908—Same, smaller tubing,each 4.50

LOCKETS.



No. 7—Polished or Roman finish locket, each $2.20



No. 46—Polished or Roman locket, 1 brilliant setting .....each $2.60



No. 286—Polished locket, 1 brilliant setting, each $2.75



No. 840—Men's Bail, English finish locket, each $4.00

CHATELAIN PINS.

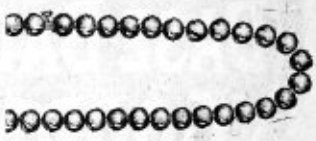


No. 4231—Signet with safety clasp, each $2.00



No. 4021—Artistic with safety clasp, each $2.35

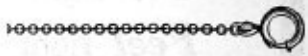
NECKLACES.



No. 8501—Polished gold filled Beads, strung on soldered chain, length, 14 in. .....each $4.35

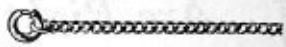
No. 8502—Same, Roman finish, each $4.35

LOCKET CHAINS.



Cable Link Spring Ring.

No. 8866—Length, 13 in., 16 in., 22 in., each $1.05, $1.20, $1.45



Curb Link, Sping Ring.

No. 6771—Length, in.	13	16	22
Each $1.50	1.60	1.85	



Rope Pattern, Spring Ring.

No. 6772—Length, in.	13	16	22
Each $2.60	3.10	3.85	

BRACELETS.



No. 9860—Medium heavy hand chased, English finish bracelet....each $10.20

H.S.B & CO.
REV-O-NOC
BASE-BALL GOODS

Look right
Fit right
Feel right
Act right
and
Are Right

Dealer's Name Here
No. 907

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For Dealers' Local Newspaper Work.

Furnished Free.

Be sure to specify by number in ordering.

REV-O-NOC Hammocks



There is nothing from which you can get more enjoyment during the warm summer months than a large,

REV-O-NOC Hammock

MADE FOR COMFORT

Dealer's Name Here
No. 906



BULLET-PROOF CLOTHING is still an experiment—but

"O-V-B"
TENTS, PAULINS

AND
WAGON COVERS
always have been
PROOF
against Water, TIME and USE.

Full Weight Full Size
Highest Grade of Workmanship

Dealer's Name Here
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FIRE ARMS AMMUNITION ETC.

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





THE CARE OF GUNS.

A FEW SUGGESTIONS.

We have known of hunters and sportsmen who thoughtlessly made use of a gun as a cane, crowbar or any one of the many implements which are occasionally in demand. Such usage will frequently result in the bending of the barrel or the filling of the muzzle with dirt, which will cause a barrel to swell when a shell is discharged and in general disarrange the efficiency of the arm.

Firearms should always be cleaned and oiled as soon as possible after using. Clean the barrel from the breech. If cleaned from the muzzle, this end is apt to become distorted and the accuracy of the arm impaired. Before putting the arm away for a considerable length of time, it is a good idea to wash the interior of the barrel with hot water and soap and after it has been dried until every particle of moisture is removed, oil thoroughly with REVOLOC gun oil. Use a light coating of oil on the outside of the arm and and keep in a dry place where it will not be subjected to moisture or acids of any kind and the arm may be kept for years without rusting.

If the shotgun becomes leaded in such a manner that it cannot be cleaned in the above described way, use a REVOLOC brass cleaning rod equipped with a REVOLOC cleaner, made for the purpose of removing leading; then clean as above.

Do not allow any foreign substances to become lodged in the barrel, either through cleaning or carelessness.

Nitro powder should not be used in black powder grade shells, as the bursting at the breech is almost without exception due to this combination.

Shot will "chamber" when they will lie side by side, filling the bore.

Never snap a lock. Let the hammer down with the thumb.

Never force the fore end off with the "claw of a hammer." Hold the gun in the right hand, grasp the tip of the fore end with the left and strike the under side of the muzzle on some wooden object.

Do not use sweet oil, castor oil, or any other vegetable oil on a gun.

BURSTED BARRELS.

We frequently receive complaints with reference to gun as well as rifle barrels becoming swollen. All experts in the manufacture of firearms agree that in ninety-nine cases out of one hundred, the cause of this damage is due to some obstruction being in the barrel when the gun or rifle is fired. The following was taken from the catalogue of a well known rifle manufacturer:

"Never shoot a rifle, or a weapon of any kind, while there is an obstruction in the barrel, such as a bullet, piece of cloth, dirt, etc. If fired under these conditions, in almost every instance the air is compressed at the point of obstruction, giving a very high pressure at this point, causing the barrel to swell and forming a bulging ring which destroys the accuracy of the barrel. We have seen a .22 caliber barrel, the metal of which was one inch in diameter, so badly swollen that the ring could be felt by passing the finger along the outside of the barrel, when the cartridge used was only the .22 short with its three grains of black powder and 30 grain lead bullet. Sometimes the ring is perfect, extending entirely around the barrel, but more often the obstruction is only partial and the swelling only a section of a ring. In small bores using high pressure military smokeless powders, the pressure induced is sometimes great enough to cut the barrel entirely in two. This accident is an unfortunate one, as it often happens from no fault of the user. The results are characteristic, and so different from any accident resulting from a flaw or seam in the barrel, however, that the cause is always known to an expert, for in no other way can a ring or powder swell be produced.

Firearm manufacturers invariably refuse to accept any responsibility for damage of this kind, and we therefore cannot replace the arms. Settlement with a customer should not be made under any circumstances until our experts have had a chance to examine the arm and render an opinion as to cause for damage.

Our gunsmiths will make repairs of every kind at reasonable prices. Years of experience in boring barrels, reboring, etc., count for something.

ENCYCLOPEDIA OF GUN PARTS.

Action—The Action of a Gun is the mechanism in the frame composed of parts necessary in firing and operating.

Barrels—The part through which the projectile is forced. Classified as Damascus, Laminated, Twist, Blued Steel, Imitation Damascus, Imitation Twist.

Genuine Damascus Barrels are made by welding together sheets of steel and iron alternately, which are cut into bars, then twisted and welded together on a mandrel. Laminated or Twist are made under very much the same process with the exception of the reverse twist. Imitation Damascus and Twist Barrels have a photographed figure put on by a transfer process.

Bolts—Action or Locking Bolts lock the Barrel and Frame together.

Bore—The hole in the barrel. (See Choke and Gauge.)

Breech—The end of the Barrel nearest the Action. Sometimes the Breech is a separate piece into which the Barrel is screwed.

Butt—That part of the Stock which rests against the shoulder.

Chamber—Portion of the Barrel into which the loaded shell is inserted.

Checkered—Made rough by cross lining.

Choke—A formation of the Bore to draw the shot together at the Muzzle. There are two degrees of choke, Full and Modified. A Cylinder Bore diameter is the same from end to end. A Taper Choke Bore gradually diminishes toward the Muzzle. In a Jug Choke the gauge is increased for a short distance and again contracted near the Muzzle.

Comb—Raise in the Stock back of the Grip.

Drop—Distance from the line of sight to top of Butt Plate. Drop is measured by placing a "straight edge" on the rib, letting it extend over the Stock, measuring from the top of the Butt Plate to the Straight Edge.

Ejector—Mechanism at the Breech which throws out the empty shell automatically as Gun is broken.

Extractor—Part that extracts the empty shell only partially from the Chamber.

Firing Pin—A small pin which when struck by the hammer fires the primer.

Fore End—Part underneath the Barrel on which the hand rests in aiming and which locks the Barrel to the Action, making a hinge joint. Snap Fore End is one that fastens to the barrel automatically with a spring catch.

Frame—The iron part which contains the Action.

Gauge—Diameter of bore. Determined by the number of balls to the pound. For example, a 12 gauge will take a round lead ball of that size of which it takes twelve to weigh a pound.

Grip—The hand hold of the Stock. (See Stock.)

Hammer—Part which strikes the Firing Pin or Cap when gun is discharged. A Hammer is measured from center of hole where it fastens on the tumbler to center of strike where it hits the plunger or cap.

Lever—Part that works the Bolts in locking or unlocking the Gun. Top Lever is one working on top of frame and Side Lever working on side.

Line of Sight—Imaginary line between the eye, sight and object aimed at.

Lock—Part of the mechanism used in discharging the Gun. Rebounding Lock is one where the Hammer rebounds after striking the Firing Pin. A Bar or Front Action Lock has the mainspring in front of the Hammer, while the mainspring of a Back Action Lock is back of the Hammer.

Mainspring—Spring that operates the Hammer.

Muzzle—That end of the Barrel from which the projectile is discharged.

Rib—Bar forming the line of sight to which the Barrels are brazed. Extension Rib is one which projects beyond the Barrel at the Breech into the Frame.

Safety—Automatic catch in the Lock to prevent the premature discharge of the Gun.

Stock—The portion of the Gun between the frame and shoulder when in positon for firing. A Stock is Straight when hand grip is straight, Pistol Grip when Grip is fashioned like the stock of a pistol and Half Pistol Grip when partially so finished.

Length of Stock is measured from the middle of front Trigger to middle of Butt Plate.

Tang—Projection of the Frame into the Stock.

Trigger—The part that disengages the Sear from the Tumbler in the act of firing. They are right or left according to position. Trigger Pull is the number of pounds pressure on the Trigger necessary to discharge the Gun.

Tumbler—Ratchet shaped piece on interior of Lock connecting with the Hammer and also with the Mainspring by a Swivel.

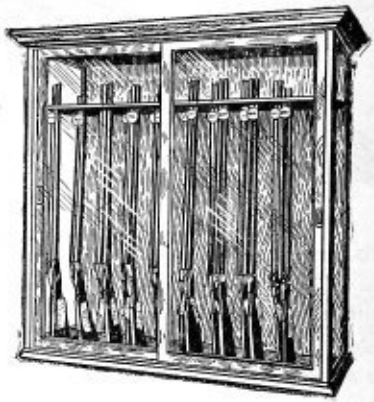
Water Table—A projection on the underside of the Breech, its purpose being to keep water from the Action in case the Gun is carried in a storm.

HIBBARD REVONOC GUN SHOW CASES.

These cases are modern in design, insuring an attractive display with the greatest economy of floor, counter or wall space. The construction is of REVONOC quality throughout.

No. 1 REVONOC—Wall case, substantially made of selected oak, beautiful golden oak finish, lined with black felt, double strength glass ends, double strength glass sliding doors that move on ball bearings and steel track, width outside at bottom 4 ft. 3 in., width inside 3 ft. 9 in., depth outside at bottom 20 in., depth inside 16 in., height outside 4 ft. 4 in., height inside 4 ft. 2 in., spaced for 19 guns or large rifles and 10 small rifles, adapted especially for wall, can also be used on counter or in center of store, weight, crated 212 lbs. .....each $40.00

We offer this as an excellent and suitable case for retailing guns and rifles. It is built for convenience and serviceable use. It should strongly appeal to our customers.



Either No. 1 REVONOC or No. 2 REVONOC case will be given free of charge with $400.00 worth of the following Guns, Rifles, Canvas and Leather Goods, etc.

REVONOC Guns,
"Cruso" Guns,
L. C. Smith Guns,
A. H. Fox Guns,
Ithaca Guns,
Stevens Guns,
Harrington & Richardson Guns,
Hopkins & Allen Guns,
Iver Johnson Guns,
Remington Guns,
Marlin Guns,
Marlin Rifles,

REVONOC Rifles,
Hopkins & Allen Rifles,
Stevens Rifles,
Remington Rifles,
Savage Rifles,
REVONOC Canvas Goods,
REVONOC Leather Goods,
Cruso Canvas Goods,
Cruso Leather Goods,
Gun Implements,
Decoy Ducks and Duck Calls,
REVONOC Dog Goods.



No. 2 REVONOC—Hexagon revolving case, of selected oak, golden oak finish, double strength glass sides, solid top and bottom, one door with lock and key, height 55 in., diameter 33 in., inside fitted with revolving adjustable rack, lower platform holding 12 shot guns or large rifles, upper platform accommodating 12 shorter rifles, w't crated 225 lbs. .....each $40.00

This case is especially designed for stores lacking sufficient wall space to accommodate our No. 1 wall case. As will be seen by the illustration and size given above, it requires very little room and can, therefore, be conveniently placed in the front of store or on the counter, displaying guns and rifles to the best possible advantage.

IF A CUSTOMER CANNOT BUY THE REQUIRED AMOUNT OF GOODS ENUMERATED AT ONE PURCHASE, but desires one of the show cases, we will ship and **CHARGE AT $40.00**, and on the bottom of the bill note the following contract—

CONTRACT—We desire to make plain that in sending either of the above cases and charging to your account, said CASE MUST BE PAID FOR at the maturity of this invoice. We will credit your account with $40.00 for No. 1 or No. 2 gun cases, when you have purchased $400.00 worth of guns and accessories specified on this page, provided said purchases **are made within one—1— year** from the date of this bill.

HIBBARD REVONOC DOUBLE BARREL SHOT GUNS.



HAMMER.

American Machine Made, Guaranteed for Smokeless Powders.

No. 115 HIBBARD REVONOC—12 gauge, decarbonized blued steel barrels, extractor, Pieper reinforced breech, finely matted, flat hollow rib, with extension bite, low circular rebounding hammers, case hardened frame, blued trigger guard, nitro plungers, plain walnut checkered full pistol grip stock, capped, patent snap, checkered hunting fore-end, rubber butt plate, 30 or 32 in. barrels, left barrel full choke, right barrel modified choke bored, w't about 7½ lbs. ..... each **AJFE** $18.50

No. 16115 HIBBARD REVONOC—16 gauge, 28 or 30 in. barrels, w't about 6¾ lbs., otherwise same as No. 115 HIBBARD REVONOC ... each **AJFE** $18.50

No. 20115 HIBBARD REVONOC—20 gauge, 28 in. barrels, w't 6 to 6½ lbs., otherwise same as No. 115 HIBBARD REVONOC ..... each **AJFE** $18.50

HIBBARD REVONOC *Double Barrel Hammer Guns are well made, accurate, strong and reliable. The best materials are put into them. They shoot and wear well, giving the greatest satisfaction. We guarantee* HIBBARD REVONOC *guns not to shoot loose and to safely fire nitro powders in factory loaded shells. Low in price and equal in every respect to guns costing more money.*



HAMMERLESS.

American Machine Made, Guaranteed for Smokeless Powders.

No. 99 HIBBARD REVONOC—12 gauge, fine quality decarbonized, blued steel barrels, finely matted flat hollow rib with extension bite, heavy lateral bolt through extension rib, extractor, top lever, automatic safety, case hardened frame, full pistol grip stock, capped, handsomely checkered and nicely finished, hard rubber butt-plate, patent snap fore-end, checkered and carefully finished, 30 in. barrels, left barrel full choke bored, right barrel modified choke bored, w't 7¼ to 7¾ lbs., each ..... **ADDJ** $25.00

No. 1699 HIBBARD REVONOC—16 gauge, 30 in. barrels, w't 6½ to 6¾ lbs., small lightweight frame, otherwise same as No. 99 HIBBARD REVONOC, each ..... **ADDJ** $25.00

No. 2099 HIBBARD REVONOC—20 gauge, 28 in. barrels, w't 6 to 6¼ lbs., small lightweight frame, otherwise same as No. 99 HIBBARD REVONOC, each ..... **ADDJ** $25.00



HAMMERLESS.

American Machine Made, Guaranteed for Smokeless Powders.

No. 100 HIBBARD REVONOC—12 gauge, fluid blued steel barrels, matted extension rib, automatic safety, top lever, rebounding locks, drop forged, case-hardened frame, selected walnut half pistol grip stock, checkered, selected checkered walnut snap fore-end, both barrels full choke bored, 30 in., w't 7½ to 7¾ lbs. ..... each **AFDJ** $28.50

This HIBBARD REVONOC *hammerless is made for us by one of the best known high grade gun makers in this country and is constructed on the same lines and by the same workmen as their highest grade guns. It is a strong, substantial gun, and will stand the severe test to which all guns are subjected in these days of heavy nitro loads.*

THE PARTS OF AN AMERICAN MACHINE MADE GUN ARE INTERCHANGEABLE.



Revo-noc Rifles, Pages 1918 and 1919. *Rev-o-noc Double Barrel Shot Guns, Page 1904.* *Rev-o-noc Oil, Page 1954.* *Rev-o-noc*

DOUBLE BARREL SHOT GUNS.

L. C. SMITH HAMMERLESS.



No. 00 Field.

No. 00—Field, armor steel blued barrels, English walnut stock, full pistol grip, checkered and well finished, built for rough usage, 12 gauge, 30 or 32 in. barrels, 16 gauge, 28 or 30 in. barrels, 20 gauge, 28 in. barrels, each .....**BCEJ** $37.00
No. 00A—Field, with automatic ejector, 12 gauge, 30 in. barrels, otherwise same as No. 00 .....each **CCJJ** $47.00
No. 0—Ideal, Damascus barrels in stock, or London special black steel barrels in stock or Damascus for factory shipment only, English walnut stock, full pistol grip, checkered, engraved, well finished, 12 gauge, 30 in. barrels in stock, 10, 16 or 20 gauge for factory shipment only, 20 gauge with London steel barrels only .....each **CEJE** $50.00
No. 0A—Ideal, 12 gauge with automatic ejector, 30 in. barrels, otherwise same as No. 0★ .....each **DEFJ** $65.00
No. 1—Trap, crown steel blued or Damascus steel barrels, English walnut stock, straight grip, checkered, and finely finished, lock-plate engraved with trap shooting scene, 10, 12, 16 or 20 gauge, 20 gauge with crown steel barrels only★ .....**EAAJ** $73.50
No. 1A—Trap, 12 gauge, 30 in. barrels, with automatic ejector, otherwise same as No. 1★ .....each **FAFJ** $86.00



No. 2 Specialty.

No. 2—Specialty, nitro blued steel or Damascus steel barrels, any bore desired, chambered for 2¾, 2¾ or 3 in. shells, full or half pistol or straight grip to order, selected stock, checkered, finely engraved, 10, 12, 16 or 20 gauge, 20 gauge with nitro steel barrels only, 26, 28, 30 or 32 in. barrels, each★ .....**EIFJ** $83.00
No. 2A—Specialty, with automatic ejector, otherwise same as No. 2★ .....each **GJAE** $100.00
No. 3—Eagle, nitro blued steel or Damascus steel barrels, any bore desired, full or half pistol or straight grip to order, selected stock, checkered, highly decorated, 10, 12, 16 or 20 gauge, 20 gauge with nitro steel barrels only, 26, 28, 30 or 32 in. barrels★ .....each **AAJJJ** $160.00
No. 3A—Eagle, with automatic ejector, otherwise same as No. 3★ .....each **ABBAJ** $175.00
No. 4—Crown, nitro blued steel or Damascus steel barrels, any bore desired, full or half pistol or straight grip to order, fine imported stock, checkered, heavily engraved, 10, 12, 16 or 20 gauge, 20 gauge with nitro steel barrels only, 26, 28, 30 or 32 in. barrels★ .....each **ADGBE** $215.00
No. 4A—Crown, with automatic ejector, otherwise same as No. 4★ .....each **AEIEJ** $225.00
No. 1T—Hunter one-trigger mechanism fitted to Field, Ideal and Trap grades, additional★ .....each **AIBE** $30.00
No. 2T—Hunter one-trigger mechanism fitted to Specialty, Eagle and Crown grades, additional★ ....each **BDGE** $35.00

The above guns range in weights from 5¾ to 10¾ lbs. each.

FOX HAMMERLESS.



No. S75.

No. S75—Fox Sterlingworth Standard, 12 gauge only, 30 in. Sterlingworth fluid compressed steel barrels, American walnut stock with full cap pistol grip, length 14 in., drop at heel 2¾ in., patent snap fore-end, both barrels full choke, w't 7½ to 7¾ lbs. .....each **BCAJ** $35.00
No. SE75—Fox Sterlingworth Standard, automatic ejector, otherwise same as No. S75 .....each **BIGJ** $45.00
No. S1675—Fox Sterlingworth Standard, 16 gauge, 30 in. barrels, w't 6¼ to 6½ lbs., otherwise same as No. S75, each .....**BCAJ** $35.00
No. SE1675—Fox Sterlingworth Standard 16 gauge, 30 in. barrels, automatic ejector, otherwise same as No. S1675, each .....**BIGJ** $45.00
No. F75—Fox Sterlingworth Field, 12 gauge only, 28 in. Sterlingworth fluid compressed steel barrels, American walnut stock with full cap pistol grip, length 14 in., drop at heel 3 in., patent snap fore-end, right barrel modified choke, left barrel full choke, w't 6¼ to 7 lbs. ...each **BCAJ** $35.00
No. FE75—Fox Sterlingworth Field, automatic ejector, otherwise same as No. F75 .....each **BIGJ** $45.00
No. F2075—Fox Sterlingworth Field, 20 gauge, 28 in. barrels, w't 6 to 6¼ lbs., otherwise same as No. F75, each .....**BCAJ** $35.00
No. FE2075—Fox Sterlingworth Field, 20 gauge, 28 in. barrels, automatic ejector, otherwise same as No. F2075, each .....**BIGJ** $45.00



No. BF.

No. AF—12 gauge, genuine Krupp fluid steel barrels, concave matted rib with rotary bolted extension, handsome dark English walnut stock, pistol grip, Deeley & Edge pattern fore-end, hard rubber butt-plate, automatic safety, perfectly balanced, engraved and finished in every detail, 30 in. barrels, w't 7 to 8 lbs.★ .....each **CDAJ** $50.00
No. AFE—12 gauge, automatic ejector, 30 in. barrels, otherwise same as No. AF★ .....each **DJGJ** $60.00
No. BF—12 gauge, genuine Krupp fluid steel barrels, concave matted rib with rotary bolted extension, fine selected dark English walnut stock, straight or pistol grip, hard rubber butt-plate, Deeley & Edge pattern fore-end, automatic safety, fine finish and engraving, 30 in. barrels, w't 7 to 8 lbs.★ .....each **DGCJ** $75.00
No. BFE—12 gauge, automatic ejector, otherwise same as No. BF★ .....each **ECIJ** $85.00
No. CFE—12 gauge, automatic ejector, genuine Krupp fluid steel barrels, concave matted rib with rotary bolted extension, selected curly dark English walnut stock, straight or pistol grip, Deeley & Edge pattern fore-end, hard rubber butt-plate, automatic safety, extra fine engraving, checkering and finish, 30 in. barrels, w't 7 to 8 lbs., each★ .....**FGFE** $110.00
No. XE—12, 16 or 20 gauge, automatic ejector, high quality Krupp fluid steel barrels, concave matted rib with rotary bolted extension, dark Circassian walnut stock grained and finish, Silver's recoil pad, straight, half pistol or full pistol grip, Deeley & Edge pattern fore-end, Lyman sights, automatic safety, new design engraving, grip and fore-end finely checkered, 26, 28, 30 and 32 in. barrels, w'ts 5½ to 8 lbs.★ .....each **JIJBJ** $160.00
No. FK—Fox-Kautzky single trigger mechanism, fitted to any grade Fox gun, new or old, additional, each★ .....**AHAE** $30.00

All Fox Guns shown above can be supplied in 16 and 20 gauges and also in other lengths of barrels at same prices for factory shipment only.

★*FOR FACTORY SHIPMENT ONLY.*

DOUBLE BARREL SHOT GUNS.

PARKER HAMMERLESS.



No. PTF.

No. PTF—Trojan, 12 gauge, imported Trojan steel barrels, matted top rib, American black walnut stock, checkered full pistol grip and fore-end, hard rubber butt-plate, 28 in. barrels, right modified, left full choke bored, length of stock 14 in., drop 2¼ in., w't about 7½ lbs., each ..... **BEJE** $35.00

No. PTS—Trojan, 12 gauge, 30 in. barrels, both full choke bored, w't about 7¾ lbs., otherwise same as No. PTF, each ..... **BEJE** $35.00

No. 16PT—Trojan, 16 gauge, 28 in. barrels, right modified, left full choke bored, w't 6½ to 6¾ lbs., otherwise same as No. PTF ..... each **BEJE** $35.00

No. 20PT—Trojan, 20 gauge, 28 in. barrels, right modified, left full choke bored, w't 6¼ to 6½ lbs., otherwise same as No. PTF ..... each **BEJE** $35.00

No. VH—12 gauge, vulcan blued steel barrels, American walnut stock, checkered pistol grip and fore-end, hard rubber butt-plate, 30 or 32 in. barrels, drop 2½ to 3 in., length of stock 14 in., w't 7½ to 8 lbs. ...each **CEBE** $50.00

No. VH—16 gauge, 30 in. barrels, w't 6¼ to 6½ lbs., otherwise same as above ..... each **CEBE** $50.00

No. VH—20 gauge, 28 in. barrels, w't 5¼ to 6¾ lbs., otherwise same as above ..... each **CEBE** $50.00

No. EVH—12 gauge, automatic shell ejector, 30 in. barrels, otherwise same as No. VH ..... each **EBIJ** $75.00

No. EVH—16, 20 or 28 gauge, automatic shell ejector, otherwise same as No. VH★ ..... each **EBIJ** $75.00

No. PH—10, 12, 14, 16 or 20 gauge, English twist barrels, American walnut stock, engraved and checkered pistol grip, hard rubber butt-plate, 26, 28, 30 or 32 in. barrels, drop 2 to 3¼ in., w't 5½ to 8 lbs.★ .....each **DEHE** $65.00

No. EPH—10, 12, 14, 16 or 20 gauge, automatic shell ejector, otherwise same as No. PH★ ..... each **FCDE** $90.00

No. GH—12 gauge, fine Damascus steel barrels, or Parker blued steel barrels, fine figured American or imported walnut stock, checkered and engraved pistol grip, hard rubber butt-plate, 30 in. barrels, drop 2½ in. to 3¼ in., w't 7 to 8 lbs.★ ..... each **EFDJ** $80.00

No. GH—10, 14, 16, 20 or 28 gauge, otherwise same as above, each★ ..... **EFCG** $80.00

No. EGH—10, 12, 14, 16, 20 or 28 gauge, automatic shell ejector, 26, 28, 30 or 32 in. barrels, otherwise same as No. GH, each★ ..... **JGDAJ** $105.00



No. EBH.

No. DH—10, 12, 16, 20 or 28 gauge, fine Damascus steel or Titanic blued steel barrels, fine imported walnut stock, silver shield, fine checkering and engraving, skeleton butt-plate, straight or pistol grip, 26, 28, 30 or 32 in. barrels, drop 2½ to 3¼ in., w't 5 to 8 lbs.★ ....each **JGJEJ** $100.00

No. EDH—10, 12, 16, 20 or 28 gauge, automatic shell ejector, otherwise same as No. DH★ .....each **JHHAE** $125.00

No. ECH—10, 12, 14, 16, 20 or 28 gauge, Bernard or Titanic steel barrels, automatic shell ejector, imported walnut stock, silver shield, fine checkering and engraving, skeleton butt-plate, straight or pistol grip, 26, 28, 30 or 32 in. barrels, w't 5 to 8 lbs.★ ..... each **ABCEJ** $175.00

No. EBH—10, 12, 14, 16, 20 or 28 gauge, Damascus or Titanic steel barrels, automatic shell ejector, imported walnut stock, gold shield, fine checkering and engraving, skeleton butt-plate, straight or pistol grip, 26, 28, 30 or 32 in. barrels, w't 5 to 8 lbs.★ ..... each **AEHGE** $225.00

LE FEVER HAMMERLESS.



No. DS.

No. DS—12, 16 or 20 gauge, Durston Special, "Dura-Nitro steel"—black barrels, imported walnut stock, checkered half pistol grip, bored for trap, field and brush shooting, 28, 30 or 32 in. barrels, w't 6¼ to 8 lbs.★ each **BCAJ** $37.00

No. DSE—12, 16 or 20 gauge, with automatic shell ejector, otherwise same as No. DS★ .....each **CAIJ** $52.00

No. H—12 or 16 gauge, London twist, or Carman fluid steel barrels, flat matted extension rib, bolt through rib, case-hardened frame and mountings, automatic safety, English walnut oil finish stock, full pistol grip with rubber cap, checkered grip and fore-end, rubber butt-plate, full compensated action, 28, 30 or 32 in. barrels, w't 7½ to 8 lbs., each★ ..... **CAAJ** $44.00

No. HE—12 or 16 gauge, with automatic shell ejector, otherwise same as No. H★ .....each **DAHJ** $59.00



No. G.

No. G—10, 12, 16 or 20 gauge, Damascus or Royal nitro steel barrels, flat matted extension rib, case-hardened frame and mountings, automatic safety, English walnut stock, full pistol grip with rubber cap, checkered grip and fore-end, rubber butt-plate, line engraved, full compensated action, 26, 28, 30 or 32 in. barrels, w't 7½ to 8 lbs., each★ ..... **DJAE** $57.00

No. GE—10, 12, 16 or 20 gauge, with automatic shell ejector, otherwise same as No. G★ .....each **EAAE** $72.00



No. EE.

No. F—10, 12, 16 or 20 gauge, Damascus steel barrels or Premier nitro steel—black are furnished, flat matted extension ribbed, case-hardened frame and mountings, automatic safety, English walnut stock, straight grip, one-half or full pistol grip with rubber cap, checkered grip and fore-end, rubber butt-plate, handsomely engraved lock-plates full compensated action, 26, 28, 30 or 32 in. barrels, w't 6¼ to 8 lbs.★ ..... each **ECEJ** $80.00

No. FE—10, 12, 16 or 20 gauge, with automatic shell ejector, otherwise same as No. F★ .....each **FCEE** $95.00

No. E—10, 12, 16 or 20 gauge, fine Damascus steel or genuine Krupp fluid steel barrels, positive fore-end, fine English walnut stock, straight, one-half or full pistol grip with rubber cap, rubber butt-plate, nicely checkered grip and fore-end, full compensating action, 26, 28, 30 or 32 in. barrels, w't 6½ to 8 lbs.★ ..... each **JFFGE** $100.00

No. EE—10, 12, 16 or 20 gauge, with automatic shell ejector, otherwise same as No. E★ ... .each **JGFHE** $116.00

★FOR FACTORY SHIPMENT ONLY.

DOUBLE BARREL SHOT GUNS.

ITHACA HAMMERLESS.



No. 59.

No. 59—12 gauge, blued smokeless steel barrels, double thick nitro breech, locking bolt through rib, both barrels choked, or left barrel full choke, right barrel modified, matted hollow ground rib, checkered walnut stock and fore-end, half pistol grip, automatic safety catch, blued guard, ornamented rubber butt-plate, case-hardened frame, 30 or 32 in. barrels, w't 7½ to 8¼ lbs.....each **AHAE** $30.00

No. 1659—16 gauge, 28 or 30 in. barrels, w't 6½ to 7 lbs., otherwise same as No. 59.....each **AHAE** $30.00

No. 2059—20 gauge, 28 or 30 in. barrels, w't 5½ to 6¼ lbs., otherwise same as No. 59.....each **AHAE** $30.00



No. 61—12 gauge, imported English stub twist barrels, rels, locking bolt through rib, both barrels choked, matted hollow ground rib, imported walnut stick and fore-end, checkered, automatic safety catch, full pistol grip, blued guard, ornamented rubber butt-plate and cap, case-hardened frame, 30 in. barrels, w't 7½ to 8¼ lbs., each .....**BJIJ** $37.75



No. 61—12 gauge, imported English stub twist barrels, locking bolt through rib, both barrels choked, matted hollow ground rib, imported walnut stock and fore-end, checkered, automatic safety catch, full pistol grip, blued guard, ornamented rubber butt-plate and cap, case-hardened frame, 30 in. barrels, w't 7¼ to 8¼ lbs., each .....**BCEJ** $40.00



No. 62—12 gauge, Damascus steel barrels, skeleton matted rib, locking bolt through rib, English walnut stock and fore-end, checkered, full pistol grip, ornamented rubber butt-plate, double thick nitro breech, reinforced frame and stock fastening, 30 in. barrels, w't 7 to 8¼ lbs.★.....each **BIAE** $50.00

Ithaca guns have three locking bolts built to take up their own wear and tear. The hammer of the lightning lock covers its distance in 1-625 of a second. Coil main springs are used—the type adopted for U. S. army guns—and are guaranteed forever under all conditions of climate.

STEVENS' HAMMERLESS.



No. 335—12 gauge, high pressure steel barrels, bored for nitro powders, double bolted matted extension rib, top snap, reinforced breech, spiral mainsprings, automatic safety, all parts drop forged, oiled American walnut stock and fore-end, checkered half pistol grip stock, 30 or 32 in. barrels, right barrel modified, left barrel full choked, stock 14 in. with 3 in. drop, w't 7¼ to 8¼ lbs....each **ADHE** $20.00
No. 16335—16 gauge, 28 or 30 in. barrels, w't 7½ to 8 lbs., otherwise same as No. 335 .....each **ADHE** $30.00
No. 20335—20 gauge, 28 in. barrels, w't about 6¾ lbs., otherwise same as No. 335 .....each **ADHE** $20.00

STEVENS' HAMMER.



No. 235—12 gauge, high pressure steel barrels, double bolted matted extension rib, top snap, rebounding bar lock, low circular hammers, solid plungers, reinforced breech, oiled English walnut stock and fore-end, checkered pistol grip, checkered patent snap fore-end, 30 or 32 in. barrels, right barrel modified, left barrel full choked, w't 7¼ to 8¼ lbs., each ..... **AAJJ** $15.00
No. 16235—16 gauge, 28 or 30 in. barrels, w't 7½ to 8 lbs., otherwise same as No. 235.....each **AAJJ** $15.00

DAVIS HAMMERLESS.



No. 85—12 gauge, decarbonized steel barrels, bored for close hard shooting with nitro or black powder, straight hollow strong extension rib, with tapered lateral bolt, making gun positively tight, all parts best material, carefully fitted and tempered, gun cocks by opening barrels, sears are strongly blocked by a positive safety, making accidental discharge impossible, fine walnut stock, fore-end and neatly checkered and finished, rubber butt plate, right barrel modified choke, left barrel full choke, 30 in. barrels, wt each 7½ lbs., each ..... **ABAJ** $23.00

ONE IN A BOX.

HARRINGTON & RICHARDSON HAMMER.



No. 320—20 gauge, decarbonized blued steel barrels, case-hardened frame, rebounding hammers, coil main and sear springs, cross bolted through extension rib, with fine checkered imported walnut stock and fore-end, left barrel full choke, right barrel modified choke, 28 in. barrels, w't 6 lbs.....each **ACGE** $16.00
No. 328—28 gauge, 28 in. barrels, w't about 5½ lbs., otherwise same as No. 320.....each **ACGE** $16.00
No. 3410—.410 or .44 gauge, adapted to .410 gauge paper shot shells, 44 W. C. F. shot cartridges or 44 cal. XL shot cartridges, 26 in. barrels, w't about 5¼ lbs., otherwise same as No. 320 .....each **ACGE** $16.00

★*FOR FACTORY SHIPMENT ONLY.*

DOUBLE BARREL SHOT GUNS.



CRUSO HAMMER.

American Machine Made, Choke Bored, for Hard Shooting.

No. 138—Cruso, 12 gauge, genuine armory steel barrels, bored for smokeless or black powder, top snap, rebounding bar locks, spiral main springs, concave circular hammers, action and mountings case-hardened, nitro firing pins, nat matted extension ribs, all parts of drop forgings, heavy bolt connecting with the barrel lug, guaranteed not to shoot loose, half pistol grip, nicely checkered imitation walnut stock, Deeley & Edge fore-end, checkered rubber butt-plate, 28, 30 or 32 in. barrels, left barrel full choke, right barrel without modified choke, w't 7½ to 8 lbs., each ..... **JHIJ** $15.50

No. 138-N—Cruso, nickel plated frame, 30 in. barrels, left barrel full choke, right barrel modified choke, otherwise same as No. 138 ..... each **JHIJ** $15.50

No. 16138—Cruso, 16 gauge, small frame, light weight model, 28 or 30 in. barrels, left barrel full choke, right barrel modified choke, w't about 6½ lbs., otherwise same as No. 138..... each **JHIJ** $15.50

No. 20138—Cruso, 20 gauge, small frame, light weight model, 28 in. barrels, left barrel full choke, right barrel modified choke, w't 6¼ lbs., otherwise same as No. 138..... each **JHIJ** $15.50

No. 410138—Cruso, .410 or .44 gauge, small frame, light weight model, adapted to .410 gauge paper shot shells, .44 W. C. F. shot cartridges or .44XL shot cartridges, genuine armory steel barrels, bored for smokeless or black powder, top snap, rebounding bar locks, spiral main springs, concave circular hammers, action and mountings case-hardened, nitro firing pins, flat matted extension rib, all parts made of drop forgings, heavy bolt connecting with the barrel lug, guaranteed not to shoot loose, half pistol grip, nicely checkered imitation walnut stock, Deeley & Edge fore-end, checkered rubber butt-plate, 26 in. barrels, left barrel full choke, right barrel modified choke, w't 4¾ lbs., each **AJIE** $19.00



CRUSO HAMMERLESS.

American Machine Made, with Water Table Breech.

No. 48—Cruso, 12 gauge, genuine armory blued steel barrels, bored for smokeless or black powder, patent top lever, drop-forged, case-hardened frame, matted extension rib, with nickel plated indicators showing when each barrel has been fired, dark figured imitation walnut stock, half pistol grip, rubber butt-plate, Deeley & Edge patent fore-end, 28, 30 or 32 in. barrels, left barrel full choke, right barrel modified choke, w't 7½ to 8 lbs.....each **ABFE** $22.00

No. 1648—Cruso, 16 gauge, small frame, light weight model, 28 or 30 in. barrels, left barrel full choke, right barrel modified choke, w't 6½ lbs., otherwise same as No. 48..... each **ABFE** $22.00

No. 2048—Cruso, 20 gauge, small frame, light weight model, 28 in. barrels, left barrel full choke, right barrel modified choke, w't 6½ lbs., otherwise same as No. 48..... each **ABFE** $22.00

L. C. SMITH HAMMER.



No. 90—12 gauge, royal blued steel barrels, flat matted extension rib, full bar action rebounding locks, rubber butt-plate, new style low circular hammers, case-hardened frame and blued guard, imported English walnut stock, checkered pistol grip, checkered patent snap fore-end, both barrels full choke bored, 30 or 32 in. barrels, w't 7½ to 8 lbs. .....each **AFEJ** $20.00

No. 1690—16 gauge, royal blued steel barrels, 28 in. barrels, w't 6¾ to 7¼ lbs., otherwise same as No. 90, each ..... **AFEJ** $20.00

No. 91—12 gauge, fine English stub twist barrels, 30 or 32 in. barrels, otherwise same as No. 90, each **AGFJ** $23.00

No. 92—12 gauge, strong Damascus steel barrels, 30 or 32 in. barrels, otherwise same as No. 90, each **BJCE** $25.00

REVONOC REPEATING SHOT GUNS.

AMERICAN MADE.



Take-Down, Full Choke Bored, Guaranteed for Smokeless Powders.

No. 98 REVONOC—12 gauge, 6 shots, smokeless steel barrel, matted breech, highest quality steel frame cut from solid drop forging, blued finish, side ejection, closed top which prevents water, dirt, twigs and other foreign matter coming in contact with mechanism, fine quality American walnut straight grip stock and extra long nicely shaped fore-end, hard rubber butt-plate, chambered for 2⅜ or 2¾ in. shells, length of stock 13½ in., 1⅝ in. drop at comb, 2½ in. drop at heel, length of barrel 30 in., w't about 7½ lbs. ....h **AHDJ** $32.00

No. 1698 REVONOC—16 gauge, 28 in. barrel, w't about 6¾ lbs., otherwise same as No. 98 **REVONOC**... .....each **AHIE** 33.00



Take-Down, Full Choke Bored, Guaranteed for Smokeless Powders.

No. 98B REVONOC—12 gauge, 6 shots, smokeless steel barrel, full choke bored, take down, **flat top matted receiver,** highest quality steel frame cut from solid drop forging, blued finish, side ejection, closed top, genuine American walnut stock, pistol grip and extra long nicely shaped fore-end, **finely checkered stock and fore-end,** hard rubber butt-plate, chambered for 2⅜ or 2¾ in. shells, length of stock 13½ in., drop at comb 1⅝ in., drop at heel 2½ in., length of barrel 30 in., w't about 7½ lbs. .... each **BJAE** $35.00

No expense has been spared in making the **REVONOC** repeater. It has the popular solid top, side ejector and closed-in breech which cannot freeze up with rain, snow or sleet; unlike some other repeating shot guns, the rain cannot run into the action and swell the shells in the magazine. Dirt, leaves, twigs and sand are also excluded. The closed-in breech bolt not only protects the gun and the shooter, but gives a symmetrical breech that aids in sighting and makes possible accurate shooting. The operating parts are few in number and extremely strong. They are accurately fitted and highly finished, giving the quickest and smoothest working repeating mechanism used in any gun. The quick repeat action makes the **REVONOC** a very effective gun for duck shooting and for shooting "doubles" at the traps.

A heavy locking bolt supports the breechbolt directly back of the shell in the chamber and avoids all cross strains—it is the strongest breech locking device ever invented. An important feature is the special gas channel in the breechbolt which prevents gas from a defective primer blowing back through the action.

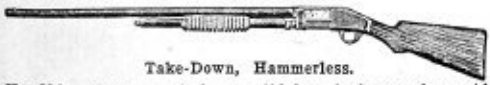
Two other safety devices doubly guard against premature explosion and the automatic recoil safety lock positively prevents opening the action while a hang-fire cartridge is exploding. You can hold back the trigger and shoot the gun just as fast as you can work the action, and still be fully protected against hang-fires and premature explosions.

The **REVONOC** repeater is the safest and most efficient pump gun ever put into the hands of a sportsman.

All **REVONOC** repeating, single barrel and double barrel shot guns are American machine made.
Machine made guns have parts that are smoothly finished, insuring ease of operation.
Each part is interchangeable. Duplicates can be mailed promptly and will fit to a nicety.
On the other hand, numerous guns, placed on the American market under a domestic name, are of foreign manufacture.
Usually such guns have handmade parts and these, being roughly finished, are not interchangeable.
Machine made guns, then, with uniformity and accessibility of parts, are the choice.
All **REVONOC** guns are American machine made!

REPEATING SHOT GUNS.

MARLIN.



Take-Down, Hammerless.

No. 28A —12 gauge, 6 shots, solid breech, hammerless, side ejection, special cartridge release mechanism, rolled steel barrel, matted entire length, bored for black and smokeless powders, chambered for 2¾ in. or 2½ in. shells, breech bolts, firing pin and other major working parts of oil-treated chrome nickel steel, fine straight grained black walnut butt-stock, and fore-arm, pistol grip stock, 13⅝ in. long, drop at comb, 1½ in. drop at heel, 2⅝ in., handsomely shaped and finished, rubber butt-plate, 30 in. or 32 in. barrel, full choke, w't about 8 lbs. .....each **BBBE** $27.00

No. 28AR—12 gauge, 30 in. barrel with raised matted rib, otherwise same as No. 28-A.....each **BGBJ** $33.00

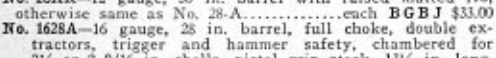
No. 1628A—16 gauge, 28 in. barrel, full choke, double extractors, trigger and hammer safety, chambered for 2¾ or 2 9/16 in. shells, pistol grip stock, 13½ in. long, drop at comb 1⅝ in., drop at heel 2½ in., w't about 6¼ lbs., otherwise same as No. 28-A....each **BCFE** $28.65

No. 1628A is a distinct model built smaller and trimmer throughout than the 12 gauge, No. 28A.

No. 2028-A—20 gauge, 25 and 28 in. barrels, full choke, chambered for 2¾ in. shells, will handle and shoot effectively all standard makes and styles of 20 gauge loads in regular 2½ or 2¾ in. shells, carries four cartridges in magazine and one in chamber, butt stock 13½ in. long, 1⅛ in. drop at comb, 2⅛ in. drop at heel, hard rubber butt plate, w't each 5⅞ lbs. .....each **BCFE** $28.65

Made in TAKE-DOWN STYLE only; packs in a space the length of the barrel.

Matted barrel 28 in. at same price for factory shipment only.



Take-Down, Hammerless.

No. 28TS—"Trap" special, 12 gauge, take-down, special rolled steel barrel, handsomely matted on top for its entire length, 30 in. barrel, full choke, 6 shots, stock and forearm of fine, straight grained American black walnut, nicely checked on the grip and forearm, straight grip butt stock 14 in. long, drop at comb 1⅝ in., at heel 2 in., with large, broad, hard-rubber butt plate, w't 8lbs. .....each **BEGJ** $31.15

No. 28T —"Trap" 12 gauge, raised matted rib, special rolled steel barrel, 6 shots, 30 in. barrel, full choke, action parts highly polished to insure smooth operation, stock and forearm imported Circassian walnut, finely modeled, with London oil finish and fine hand checking, straight grip, 14 in. long with 1⅝ in. drop at comb, 2 in. drop at heel, large broad butt with hard-rubber butt plate, w't 8 lbs. .....each **DCAE** $52.35

For the 28T grade a special smokeless steel matted barrel instead of ribbed barrel will be furnished at the same price, or straight grip or pistol grip stock to order, without extra charge, having length from 13 to 14 inches, drop at comb 1⅛ to 1¾ in., at heel 2 to 3¼ in., for shipment from factory only.

The prime feature of this gun is the shell release, which permits the removal of loaded shells from the magazine without working them through the action. An automatic recoil safety guard lock affords full protection against hang fire shells; the hammer and trigger safety, located in the guard just in front of the trigger provides a double lock on the hammer (when carrying gun loaded), that can be relieved instantly by firing.



Take-Down, Hammer.

No. 24A—12 gauge, 6 shots, special rolled steel barrel, bored for both black and smokeless powders, chambered for 2⅝ or 2¾ in. shells, frame cut from solid drop forging, blued finish frame, fine straight grained American walnut stock, pistol grip, length of stock 13½ in., drop at heel 2½ in., drop at comb 1⅝ in., length of barrel 30 in., full choke bored, w't 7½ to 7¾ lbs., each..... **AIHJ** $23.25

STEVENS.



Take-Down, Hammerless.

No. 2200—20 gauge, with high pressure compressed steel barrel, full choke bored for nitro powder, drop forged receiver, solid breech matted on top, side ejection, safety firing pin, plain walnut half pistol grip stock, with rubber butt-plate, designed and chambered to shoot any length standard factory 20 gauge loaded shell up to to 3 in., length of barrel 28 in., full choke, length of stock 13½ in., drop at heel 2½ in., drop at comb 1½ in., w't about 6½ lbs. .....each **AIHJ** $25.00

Supplied with 26, 30 or 32 in. cylinder, modified or full choke bored barrels for shipment from factory only.

No. 2520—12 gauge compressed forged steel barrel, full choke bored, black oxide finish, solid drop forged receiver, visible loading block, 6 shots, side ejection, walnut pistol grip stock, length 13¾ in., drop at heel 2⅝ in., rubber butt-plate, chambered for any length standard factory loaded 12 gauge shells up to 2¾ in., 30 in barrel, w't about 7¾ lbs.....each **AIHJ** $25.00

Supplied with 26, 28 or 32 in. cylinder, modified or full choke bored barrels for shipment from factory only.

No. 2521——12 gauge with raised matted rib full length of barrel, 30 in. full choke bored, otherwise same as No. 2520★ .....each **BFDJ** $32.00



Take-Down, Hammerless.

No. 2522—12 gauge, "TRAP" grade, with compressed forged high pressure steel barrel, bored for nitro powder, fitted with hollow matted rib full length of barrel, drop forged receiver, black oxide finish, visible loading block, six shots, side ejection, fancy walnut stock and slide-handle, checkered, nicely shaped straight grip, finely finished with rubber butt-plate, length 14 in., drop at heel 2¼ in., drop at comb 1½ in., chambered for any length standard factory loaded 12 gauge shells up to 2¾ in., furnished only in 30 in. full choke barrel, w't about 7¾ lbs.....each **CCJJ** $40.00

Supplied with 28 or 32 in. full choke bored barrels for shipment from factory only.

No. 2525—12 gauge, with compressed forged high pressure steel barrel, bored for nitro powder, fitted with hollow matted rib full length of barrel, drop forged receiver, black oxide finish, 6 shots, side ejection, visible loading block, fancy walnut checkered stock, finely finished with pistol grip, rubber butt-plate, fancy walnut slide handle checked, length of stock 13¼ to 14½ in., drop of stock from 2 to 3¼ in., straight, half or full pistol grip stocks, chambered for any length standard factory loaded 12 gauge shells up to 2 ¾ in., 28 in. barrel, w't about 7½ lbs, 30 in. barrel, w't about 7¾ lbs., 32 in. barrel w't about 8 lbs★.....each **DABE** $50.00

CHICAGO.



Take-Down, Hammer, Side Ejector, Repeating.

No. 96—CHICAGO, 12 gauge, 6 shots, smokeless steel barrel, matted breech, blued finish, closed top, walnut straight grip stock, hard rubber butt-plate, chambered for 2⅝ or 2¾ in. shell, length of stock 13½ in., 1¾ in. drop at comb, 2½ in. drop at heel, length of barrel 30 or 32 in., w't about 7½ lbs.....each **AEDJ** $28.00

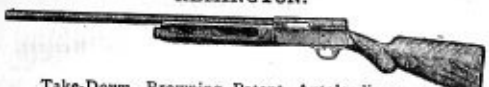
No. 1696—CHICAGO, 16 gauge, 28 in. barrel, w't about 6¾ lbs., otherwise same as No. 96.....each **AEGJ** $28.50

No. 2096—20 gauge, 25 in. full choke bored, otherwise same as No. 1696 .....each **AEGJ** $28.50

★*FOR FACTORY SHIPMENT ONLY.*

AUTO-LOADING AND REPEATING SHOT GUNS.

REMINGTON.



Take-Down, Browning Patent, Autoloading.

No. 1-P—"Standard," 12 gauge, hammerless, automatic, five shots, side ejection, full choke, modified or cylinder bored, Remington blued steel barrels, 28 in. long, solid breech, blued frame and mountings, half pistol grip stock of American walnut, regular dimensions 14 in. long, drop at heel 2⅝ in., drop at comb 1⅝ in., fitted with rubber butt-plate, w't about 7¼ lbs. .....each **CJBE** $35.00

No. 1-PR—"Standard," 12 gauge, 28 in. full choke bored barrel with raised matted rib, otherwise same as No. 1-P, each ..... **CEAJ** $41.75

No. 1-PB—"Standard," 12 gauge, 28 in., full choke, with extra 26 in. cylinder bored barrel, otherwise same as No. 1-P, each ..... each **DBFJ** $51.00

Any other length or drop of stock to order at an advance of $10.00 *list.*★ *Made in 12 gauge only, barrels longer than 28 inches cannot be furnished.*



Take-Down, Browning Patent, Autoloading.

No. 2-P—"Special," 12 gauge, hammerless, automatic, five shots, side ejection, full choke bored, Remington highest quality steel barrel, 28 in. long, solid breech, blued frame and mountings, selected English walnut stock, half pistol grip, checkered grip and fore-end, length of stock 14 in., drop at heel 2½ in., drop at comb 1⅝ in., rubber butt-plate, w't about 7¼ lbs..... each **CHEJ** $42.50

Any other length or drop of stock made to order subject to additional charge of $10.00 *list.*★



Take-Down, Browning Patent, Autoloading.

No. 3-P—"Trap," 12 gauge, hammerless, automatic, five shots, side ejection, Remington highest quality steel barrel, 28 in. long, full choke, solid breech, blued frame and mountings, selected imported walnut stock, straight grip, stock and fore-end neatly checkered, regular stock dimensions 14½ in. long, drop at heel 2¼ in., drop at comb 1½ in., rubber butt-plate, w't about 7¼ lbs.★.....each **CHEJ** $42.50

No. 3-PR—"Trap," 12 gauge, 28 in. full choke barrel with raised matted rib, otherwise same as No. 3-P, each ..... **DCCE** $49.25

The "Trap" gun is designed especially for the trapshooter, guaranteed to shoot from 70 to 75% of the load in a 30 in. circle at 40 yards. Any other length or drop of stock than regular made to order at an advance of $10.00, *list.*★



Take-Down, Browning Patent, Autoloading.

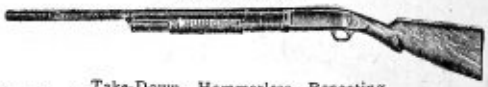
No. 4-P—"Tournament," 12 gauge, hammerless, automatic, five shots, side ejection, Remington highest quality steel barrel, 28 in. long, full choke, solid breech, blued frame and mountings, receiver and barrel finished in a rich scroll hand engraving, all working parts hand polished, stock and fore arm are of a specially selected imported walnut, delicately hand checkered, pistol grip, stock 14 in. in length, drop at heel 2½ in., drop at comb 1⅝ in., rubber butt-plate, w't about 7¼ lbs.★.....each **ECIJ** $60.00

No. 4-PR—"Tournament," 12 gauge, 28 in. full choke barrel with raised matted rib, otherwise same as No. 4-P, each ..... **EHGE** $66.75

"Tournament" grade made to order in straight or pistol grip in any dimension of stock desired without extra charge.★

The Remington Autoloading shot gun is entirely automatic in its recoil action, except that the trigger has to be pulled and released for each shot. The magazine holds four cartridges, which with the one in the barrel puts five shots at the shooters' command. It is in effect a single trigger, five barrel gun, with but one barrel to carry and clean.

REMINGTON.



Take-Down, Hammerless, Repeating.

No. 150—"Standard," 12 gauge, 30 or 32 in. barrel, Model 1908, solid breech 6 shot, Remington fluid steel barrel, choke or modified bore, blued finish, walnut stock and fore-end, half pistol grip, length of stock 13¾ in., drop at heel 2¾ in., drop at comb 1⅝ in., w't about 7¼ lbs., each **BCIJ** $27.00

No. 160—"Field," 12 gauge, 26 in. cylinder bored barrel, otherwise same as No. 150, w't about 7½ lbs., each ..... **BCIJ** $27.00

No. 150-R—"Standard," 12 gauge, 30 in. full choke bored barrel with raised barrel matted rib, otherwise same as No. 150,, w't about 7¼ lbs.....each **BIGE** $33.75

Any other length or drop of stock made to order at an advance of $10.00 *list.*★

Fitted with raised solid matted rib full length of barrel for shipment from factory at an advance of $6.75, *list.*★



Take-Down, Hammerless, Repeating.

No. 175—"Trap Special," 12 gauge, 30 in. full choke, model 1908, solid breech, 6 shot, Remington fluid steel barrel, neatly matted its entire length, blued finish, checkered American walnut stock and fore-arm, straight grip, stock 14 in. long, drop at heel 2 in., drop at comb 1½ in., w't about 7¼ lbs. .....each **CDGJ** $40.00

The Trap Special is designed especially for trap shooting purposes. The majority of the trapshooters have found the above dimensions to be the best adapted for trap shooting. The top surface of the barrel is neatly matted its entire length, thus aiding in taking a quick and accurate aim. The barrels of the trap special are selected for trap loads, and are guaranteed to shoot over 70% of the load in a 30 in. circle at 40 yards.

Any other length or drop of stock made to order at an advance of $10.00 *list.*★

Fitted with raised solid matted rib full length of barrel for shipment from factory at an advance of $6.75 *list.*★



Take-Down, Repeating, Hammerless.

No. 170—"Trap," 12 gauge, 30 in. full choke, model 1908, solid breech, 6 shot, Remington fluid steel barrel, blued finish, straight grip, stock and fore-arm of selected curly imported walnut, neatly checkered, stock 14 in. long, drop at heel 2 in., drop at comb 1½ in., w't about 7¼ lbs., each ..... **CIIE** $45.00

This gun is designed for trap shooting, guaranteed to shoot over 70% of load into a 30 in. circle at 40 yards.

Stocks will be made to order without extra charge, lengths from 13½ to 15 in., drops from 2 to 3½ in., for shipment from factory.★

Fitted with raised solid matted rib, full length of barrel, for shipment from factory at an advance of $6.75 *list.*★



Take-Down, Hammerless, Repeating.

No. 180—"Tournament," 12 gauge, 26, 28, 30 or 32 in., any desired choke, model 1908, solid breech, hammerless, 6 shot, Remington blued steel barrel, blued finish, receiver and barrel finished in rich scroll hand engraving, all working parts hand polished, stock and fore-arm of specially selected imported walnut, neatly finished by hand with attractive checkering, stock 13¾ in. long, drop at heel 2¾ in., drop at comb 1⅝ in., w't 7¼ lbs.★.....each **DFEE** $55.00

Will furnish, made to order without additional charge, straight or pistol grip stock in any dimensions desired, for shipment from factory only.

Fitted and raised solid matted rib, full length of barrel, for shipment from factory★.....each **DHE** $6.75

★*FOR FACTORY SHIPMENT ONLY.*

REPEATING AND SELF-LOADING SHOT GUNS.

WINCHESTER.



Model 1912, Repeating, Hammerless, Take-Down, Solid Breech.

No. 12TD —12 gauge, 6 shots, nickel steel barrel, 26 in. barrel, cylinder bored; 28 in. barrel, full or modified choke bored; 30 in. barrel, full or modified choke bored or 32 in. barrel, full choke bored, chambered for 2¾ in. shells, plain walnut pistol grip stock and action slide handle, length of stock 13¾ in., drop at comb 1 11/16 in., drop at heel 2½ in., rubber butt-plate, length over all 48⅞ in., w't about 7¼ lbs., each ..... **BCEJ** $30.00

No. 12TDR—12 gauge, full choke bored, with raised matted rib, 30 in. barrel in stock, or 32 in. barrel for factory shipment only ..... each **BGDE** $35.00

No. 16TD —16 gauge, 6 shots, 26 in. nickel steel barrel, full or modified choke or cylinder bored, chambered for 2 9/16 in. shells, plain walnut pistol grip stock and action slide handle, length of stock 13⅝ in., drop at comb 1½ in., drop at heel 2½ in., rubber butt- plate, length over all 44½ in., w't about 6 lbs., each ..... **BCEJ** $30.00

No. 16TDR—16 gauge, full choke bored, with raised matted rib, otherwise same as No. 16-TD.....each **BGDE** $35.00

No. 20TD —20 gauge, 6 shots, 25 in. nickel steel barrel, cylinder modified or full choke bored, chambered for 2½ in. shells, plain walnut pistol grip stock and action slide handle, length of stock 13⅝ in., drop at comb 1½ in., drop at heel 2½ in., rubber butt-plate, length over all 43½ in., w't about 5¾ lbs. ..... **BCEJ** $30.00

No. 20TDR—20 gauge, full choke bored, with raised matted rib, otherwise same as No. 20TD.....each **BGDE** $35.00

Interchangeable barrel, magazine and action slide handle complete, for 12TD, 16TD or 20TD.....★**ABIE** $16.50

Fancy walnut stock and action slide handle, not checked, extra★ ..... **AJBJ** $13.00

Checking fancy stock and action slide handle, extra★ .....**CIJ** $5.00

Extra length or drop of stock to order, extra★ **JGHE** $10.00

Modified or cylinder bore at same prices.★



Model 1912.

Hammerless, Take Down, Solid Breech, Raised Matted Rib.

No. 212TD—"Tournament," 12 gauge, 6 shots, 30 in. nickel steel barrel, full choke bored, chambered for 2¾ in. shells, selected oil finished walnut stock, well shaped, straight grip ,checked, slide handle of oil finished walnut handsomely checked, rubber butt plate, 14 in. stock, drop at comb 1⅞ in., drop at heel 1¾ in., w't each about 7½ lbs., each ..... **CEBE** $45.00

The "Tournament" Gun will be made only according to the above specifications, the one deviation being the length of stock. Stock shorter than the standard will be furnished at an extra cost of $2.00.

Hammerless, Take Down, Solid Breech, Handsome Raised Matted Rib.

No. 312-TD—"Trap," 12 gauge, 6 shots, 30 in. nickel steel barrel, full choke, chambered for 2¾ in. shells, straight grip checked, rubber butt plate, fancy checked oil finished walnut action slide handle, oil finished walnut stock, standard 13⅞ in., drop at comb 1⅞ in., drop at heel 1⅞ in., comb is heavy and rounding as the stock is hand made, any length or drop desired will be furnished from factory without extra charge, w't each about 7½ lbs., each ..... **DCAJ** $55.00

No. 412TD—"Pigeon," frame elaborately engraved, otherwise same as No. 312TD★.....each **JHBCJ** $150.00

WINCHESTER.

Model 1897 Repeating, Solid Frame, Hammer.

No. 29—12 gauge, 6 shots, rolled steel blued barrel, rubber butt-plate, plain pistol grip stock, length 13⅜ in., drop at comb 1¾ in., at heel 2 ⅛in., 30 or 32 in. full choke barrel, w't about 7½ lbs. .....each **AHEE** $25.00

Model 1897 Repeating, Take-Down, Hammer.



No. 29TD—12 gauge, 6 shots, rolled steel barrel, full choke, modified or cylinder bore, plain pistol grip stock, length 13⅜ in., drop at comb 1¾ in., at heel 2⅛ in., rubber butt-plate, 26, 28, 30 or 32 in. barrel, w't about 7¾ lbs., each .....**BJJE** $27.00

No. A29TD -30 in. full choke barrel, with extra 26 in. cylinder bored barrel, rubber butt-plate, otherwise same as No. 29TD★.....each **CABJ** $42.00

No. 1629TD—16 gauge, 28 in. barrel, either full choked or modified, length of stock 13 7/16 in., drop at comb 1⅝ in., at heel 2 5/16 in., otherwise same as No. 29TD, each .....**BJJE** $27.00

We also carry No. 29TD in 30 in. full choke and No. 1629TD *in* 28 *in. full choke with model* 93 *stock, length of stock* 13½ *in., drop at comb* 1 13-16 *in., at heel* 2⅝ *in.*



Model 1911, Self-Loading, Take-Down.

No. 39TD—12 gauge, 5 shots, hammerless, nickel steel barrel chambered for 2¾ in. shells, rubber butt-plate, handsomely finished pistol grip stock, length 13¾ in., drop at comb 1⅝ in., at heel 2⅛ in., barrel 26 in., cylinder bore, modified choke or full choke or 28 in. modified or full choke bored, w't about 7¾ lbs....each **BGEJ** $38.00

No. 39ATD—28 in. full choke barrel, with extra 26 in cylinder bore, interchangeable barrel complete, with forearm, etc., otherwise same as 39TD.....each **CHIC** $53.00

Interchangeable barrel, for No. 39TD, including receiver and action★.....each **BAHJ** $30.00

Interchangeable barrel and forearm, for No. 39TD, not including receiver and action★.....each **AJIJ** $15.00

Fancy walnut stock and forearm★.....extra **JIFE** 13.00
Checking stock and forearm★.....extra **CGJ** 5.00
Matting barrel★.....extra **CGJ** 5.00
Extra length or drop of stock to order, extra★ **JGHE** $10.00



Model 1901, Lever Action, Repeating.

No. 030—10 gauge, solid frame, 6 shots, rolled steel blued barrel, choke bored, plain pistol grip stock, steel butt-plate, 32 in. barrel, w't about 8¾ lbs..each **BBBE** $30.00

Bored for 2⅞ in. shells loaded with either black or smokeless powder. The assembled gun is tested by a proof more severe than that used by the English government.

NO. 030 GUNS ARE NOT MANUFACTURED WITH LONGER BARRELS THAN 32 IN.

★*FOR FACTORY SHIPMENT ONLY.*

HIBBARD REV-O-NOC SINGLE BARREL SHOT GUNS.

AMERICAN MADE.



Two-Piece, Heavy Round Breech, Raised Matted Rib.

Automatic Ejector, Fine Quality Blued Steel Barrel, Full Choke Bored, Top Snap Action, Drop Forged, Case Hardened Frame, Rebounding Hammer, Walnut Stock, Checkered Full Pistol Grip, Rubber Cap, Rubber Butt-Plate, Checkered Fore-End, Nicely Finished Throughout.

No. 250 HIBBARD REV-O-NOC—12 gauge, 30 or 32 in. barrel, w't about 6¼ lbs. .....each **J F C J** $10.50
No. 16250 HIBBARD REV-O-NOC—16 gauge, 28 or 30 in. barrel, w't about 6½ lbs. .....each **J F C J** 10.50

This is a strong, serviceable model with distinctive lines brought out by a finish that has beauty in every detail. The raised rib is matted, the special "duck's bill" fore-end and full pistol grip carefully checkered, the grip having the protective rubber cap.



Three-Piece, Heavy Octagon Breech, Matted Barrel.

No. 275 HIBBARD REV-O-NOC—12 gauge, automatic ejector, fine quality nitro blued steel barrel, full choke bored, heavy octagon water table breech, barrel matted the entire length, top snap action, drop forged, case hardened frame, rebounding hammer, patent check hook which prevents gun shooting loose, walnut stock, checkered full pistol grip, rubber capped, rubber butt-plate, special "duck's bill" fore-end checkered, beautifully finished throughout, 30 in. barrel, w't about 7 lbs., each .....**J F I J** $11.50

This staunchly built arm is designed expressly for the use of nitro powder. The barrel, water table breech and lug are of unusual construction, being forged in one piece, which makes the "foundation of the gun" infinitely strong, increasing its durability and lasting qualities. It is also equipped with the new positve extractor and check hook. This relieves the joint and fore-end of strain.



Three-Piece, Heavy Cannon Breech, Matted Barrel.

No. 298 HIBBARD REV-O-NOC—12 gauge, automatic ejector, blued steel barrel, full choke bored, very heavy "up-set" round cannon breech, barrel matted entire length, top snap action, drop forged, case hardened frame, rebounding hammer, patent check hook which prevents gun shooting loose, half pistol grip, walnut stock, rubber butt plate, special "duck's bill" fore-end, carefully finished throughout, 30 in. barrel, w't about 7¼ lbs. .....each **J F I J** $11.50

This gun is made for service and will bear the most severe treatment to which a gun is subjected. Built expressly for nitro powder. The barrel, water table breech and lug are of special construction and are forged in one piece, thereby making the gun much stronger than if the lug were brazed to the barrel. It also has the new positive extractor and check hook. This takes the strain from the joint and off the fore-end.

THE PARTS OF AN AMERICAN MACHINE MADE GUN ARE INTERCHANGEABLE.

SINGLE BARREL SHOT GUNS.

CRUSO HAMMER.



American Machine Made, Three-Piece Shot Gun.

No. 205—Cruso, 12 gauge, plain extractor, blued steel barrel, choke bored for nitro powders, top levers, low rebounding hammer, case-hardened frame, pistol grip, plain American walnut stock and fore-end, rubber butt plate, 30 or 32 in. barrel, w't about 6½ lbs..... each **CDE** $6.00

No. 205N—Cruso, nickel plated frame, w't about 6½ lbs., otherwise same as No .205 ..... each **CDE** 6.00

No. 16205—Cruso, 16 gauge, 28 or 30 in. barrel, w't about 6¼ lbs., otherwise same as No .205 ..... each **CDE** 6.00

No. 20205—Cruso, 20 gauge, 28 in. barrel, w't about 6 lbs., otherwise same as No .205 ..... each **CDE** 6.00

No. 410205—Cruso, .410 or .44 gauge, 26 in. barrel, w't about 4¾ lbs., adapted to .410 gauge paper shot shells, .44 W. C. F. shot cartridges or .44XL cartridges, otherwise same as No. 205 ..... each **CDE** $6.00

No. 210—Cruso, 12 gauge, automatic ejector, 30 or 32 in. barrel, w't about 6½ lbs., otherwise same as No. 205, each ..... **CGE** $6.50

No. 210N—Cruso, 12 gauge, automatic ejector, 30 or 32 in. barrel, with nickel plated frame, w't about 6½ lbs., otherwise same as No. 205..... **CGE** $6.50

No. 16210—Cruso, 16 gauge, automatic ejector, 28 or 30 in. barrel, w't about 6¼ lbs., otherwise same as No. 205, each ..... **CGE** 6.50

No. 20210—Cruso, 20 gauge, automatic ejector, 28 in barrel, w't aebout 6 lbs., otherwise same as No. 205 ....each **CGE** 6.50

No. 410210—Cruso, .410 or .44 gauge, automatic ejector, 26 in. barrel, w't about 4¾ lbs., adapted to .410 gauge paper shot shells, .44 W. C. F. cartridges or .44XL shot cartridges, otherwise same as No. 205.....each **CGE** $6.50

THE PARTS OF AN AMERICAN MACHINE MADE GUN ARE INTERCHANGEABLE.

HARRINGTON & RICHARDSON.



Three-Piece.

No. 230—12 gauge, plain extractor, blued steel barrel, choke bored, case-hardened frame, top snap action, metal joint fore-end, rebounding hammer, half pistol grip, fine black walnut stock, rubber butt plate, 30 or 32 in. barrel, w't about 6½ lbs.....each **CFJ** $6.50

No. 240—12 gauge, automatic ejector, 30 or 32 in. barrel, w't about 6 lbs., otherwise same as No. 230, each..... **CHE** 7.00

No. 16240—16 gauge, automatic ejector, 28 or 30 in. barrel, w't about 6 lbs., otherwise same as No. 230, each..... **CHE** 7.00



Model 1915—Three-Piece Small Frame.

No. 123—28 gauge, plain extractor, blued steel barrel, case-hardened frame, top lever rebounding hammer, walnut stock, full pistol grip, hard rubber butt-plate, 28 in. barrel, w't about 4 lbs.....each **CHE** $7.00

No. 125—410 or .44 gauge, plain extractor, 26 in. barrel, adapted to .410 gauge paper shot shells, .44 W. C. F. shot cartridges or .44XL shot cartridges, w't about 4¾ lbs., each..... **CHE** $7.00

HARRINGTON & RICHARDSON.



Three-Piece—Heavy Reinforced Cannon Breech.

No. 500—12 gauge, plain extractor, blued steel barrel, choke bored, coil top lever and main springs, case-hardened frame, pistol grip, walnut stock, rubber butt-plate, plain snap fore-end 30 in. barrel, w't about 7 lbs., each **EBE** $9.50

No. 505—12 gauge, automatic ejector, 30 in. barrel, otherwise same as No. 500 .....each **JEEJ** $10.00

Shooters like a heavy gun for trap shooting or for firing extra heavy loads of powder and shot. This gun, with its weight, does not jar the shoulder as much as the lighter ones. The powerful breech will stand abnormal pressures.

SPENCER GUN CO.



Three-Piece.

No. 211—12 gauge, plain extractor, armory blued steel barrel, choke bored, case-hardened frame, top lever, rebounding hammer, pistol grip, imitation walnut stock, rubber butt-plate, 30 or 32 in. barrel, w't about 6½ lbs., each ..... **CCE** $5.80

No. 16211—16 gauge, 28 or 30 in. barrel, w't about 6¼ lbs., otherwise same as No. 211.....each **CCE** $5.80

No. 20211—20 gauge, 28 in. barrel, w't about 6 lbs., otherwise same as No. 211 .....each **CCE** $5.80

No. 221—12 gauge, automatic ejector, 30 or 32 in. barrel, otherwise same as No. 211.....each **CFJ** $6.30

No. 16221—16 gauge, 28 or 30 in. barrel, w't about 6¼ lbs., otherwise same as No. 211.....each **CFJ** $6.30

No. 20221—Automatic ejector, 20 gauge, 28 in. barrel, w't about 6 lbs., otherwise same as No. 211.....each **CFJ** $6.30

SINGLE BARREL SHOT GUNS.

STEVENS'.



Nitro Special, Hammer, Positive Extractor.

No. 291N—12 gauge, nickel plated frame, positive extractor, nitro blued steel barrel, heavy reinforced breech, choke bored for nitro powder, rebounding lock, top lever, special water table breech, patent check hook prevents shooting loose, lug swaged on barrel—not brazed, blued guard, snap fore-end, pistol grip, walnut stock, 30 or 32 in. barrel, w't 7 to 7¼ lbs., each ..... **DIE** $9.00

No. 16291N—16 gauge, 28 or 30 in. barrel, 6¼ to 7 lbs., otherwise same as No. 291N.....each **DIE** $9.00

No. 294N—12 gauge, automatic ejector, 30 or 32 in. barrel, otherwise same as No. 291N.....each **EBE** $9.50

Nitro Special guns are made with barrels of especially prepared steel so as to withstand nitro powder. The barrel and water-table are of special construction and are forged in one piece, thereby making the gun much stronger than it would otherwise be. The gun has also the new positive extractor and check-hook. This takes the strain from the joint and off the fore-end.

The main spring and scar spring are both spiral, thus insuring a perfect, easy-working mechanism.



Hammerless.

Automatic Ejector, Automatic Safety, Bored for Nitro Powders.

No. 12180—12 gauge, compressed forged "Electro" steel barrel, hollow tapered, full choke bored, top snap action, drop-forged and case-hardened frame, fine English walnut stock, length 13½ in., drop 2½ in., full pistol grip, capped, rubber butt-plate, snap walnut fore-end, strong metal joint, 30 in. barrel, w't 6½ lbs.each **JGAE** $13.00

No. 16180—16 gauge, 30 in. barrel, otherwise same as No. 12180 .....each **GAE** $13.00

No. 20180—20 gauge, 28 in. barrel, otherwise same as No. 12180 .....each **GAE** $13.00

A hammerless single barrel gun that is singularly well equipped with its automatic ejector and safety and its nitro-bored barrel and top snap action. The walnut and metal parts are well finished, making this model an attractive gun as well as a practical one.



Hammer.

No. 44101—.44 gauge, 26 in. barrel, reinforced at breach, tested for use of nitro powder, take-down, plain extractor, tip up style, break down lever action, walnut finished stock, straight grip, rubber butt-plate, extreme length over all 43 in., w't each 4 lbs....each **CHE** $7.00

This small caliber, light weight shot gun will use 44XL or 44 W. C. F. shot cartridges as well as 44 "Game Getter" ball cartridges, well finished, of high grade material and recoil very light.

IVER JOHNSON NEW CHAMPION.



Rebounding Lock.

No. 258—12 gauge, plain extractor, blued steel barrel, full long taper choke, rebounding lock, top lever, case-hardened steel frame, barrel and lug forged in one piece, coil main spring, selected black walnut oiled finished stock and fore-end, pistol grip, 30 or 32 in. barrel, w't about 6 lbs., each ..... **CFJ** $6.50

No. 16258—16 gauge, 28 or 30 in. barrel, w't about 6 lbs., otherwise same as No. 258.....each **CFJ** $6.50

No. 20258—20 gauge, 28 in. barrel, w't about 5¾ lbs., otherwise same as No. 258.....each **CFJ** $6.50

No. 268—12 gauge, automatic ejector, 30 or 32 in. barrel, w't about 6 lbs., otherwise same as No. 258, each ..... **CHE** $7.00

No. 16268—16 gauge, automatic ejector, 28 or 30 in. barrel, w't about 6 lbs., otherwise same as No. 258, each ..... **CHE** $7.00

No. 20268—20 gauge, automatic ejector, 28 in. barrel, w't about 5¾ lbs., otherwise same as No. 258, each ..... **CHE** $7.00

I. J. NEW CHAMPION LIGHT WEIGHT.



Three Piece, Small Frame.

No. 41037—.410 or .44 gauge, plain extractor, blued steel barrel, rebounding lock, top lever, case-hardened steel frame, barrel and lug forged in one piece, coil main spring, compensating locking bolt which automatically takes up or absorbs wear, selected black walnut oiled finish stock and fore-end, half pistol grip, hard rubber butt-plate, 26 in. barrel, w't 5½ lbs. .....each **CHE** $7.00

No. 41039—.410 or .44 gauge automatic ejector, otherwise same as No. 41037.....each **DAE** $7.50

Above adapted to either .410 gauge paper shot shells, .44 W. F. C. shot cartridges or .44 XL shot cartridges.

No. 2837—28 gauge, 28 in. barrel, w't 5¼ lbs., otherwise same as No. 41037..... each **CHE** $7.00

No. 2839—28 gauge, automatic ejector, otherwise same as No. 2837 .....each **DAE** $7.50

WINCHESTER.



No. 140 —Single shot, 20 gauge, 26 in. full choke bored, nickel steel barrel, solid frame, breech bolt and lever action, receiver matted on top along the line of sight, chambered for shells 3 in. in length and under, straight grip stock and forearm of black walnut, rubber butt-plate, length of stock 13 7/16 in., drop at comb 1¾ in., drop at heel 2 11/16 in., length over all 41¾ in., w't about 5½ lbs.★ .....each **AAIJ** $16.00

No. 140TD—20 gauge, 26 in. full choke bored, nickel steel barrel, take-down, otherwise same as No. 140, each★ ..... **AEIJ** $21.00

★*FOR FACTORY SHIPMENT ONLY.*

AIR RIFLES.

KING 1909 JUNIOR.



No. 5010—Nickel plated steel barrel and frame, walnut stock, good sights, perfect action, shoots BB shot, length 29 in., w't per doz. 18 lbs. .....per dozen **DDJ** $8.00

ONE DOZEN IN A CASE.

KING SINGLE SHOT.



No. 5021—Lever action, made of one piece nickeled and polished steel, black walnut stock, carefully adjusted sights, shoots BB shots and darts with accuracy and good penetration, length 31 in., w't per doz. 25 lbs., per dozen.....**JGGJ** $14.00

ONE DOZEN IN A CASE.

KING 500 SHOT "SPECIAL" AUTOMATIC REPEATER.



No. 5022—New Lever Action, 500 shot, automatic repeater, shoots 500 times without reloading, made of best quality polished nickeled steel with barrel and frame of one piece, walnut stock, open sights, shoots air tight gun shot with accuracy, length 31 in., w't per doz. 27 lbs., per dozen.....**JIIJ** $18.00

ONE DOZEN IN A CASE.

NEW KING KADET REPEATING AIR RIFLES.



No. 5023—500 shot, shoots BB air rifle shot, lever action, nickel barrel, high quality walnut stock fitted with web sling strap and rubber tipped bayonet, length over all 38 in., w't per doz. 30 lbs.....per dozen **ADDJ** $24.00

The King Kadet Air Rifle is a regular boy's army rifle; it's the gun all boys want for drilling, target shooting and general all 'round manly play.

ONE IN A BOX.

KING 500 SHOT AUTOMATIC REPEATER.



No. 5016—Shoots 500 times without reloading, lever action, blued steel, black walnut stock, Rocky Mountain front sight, rear peep sight, hammerless, shoots BB shot, all parts interchangeable, length 34 in., w't per doz. 36 lbs., per dozen .....**ACJJ** $23.60

HALF DOZEN IN A CASE.

KING 1000 SHOT AUTOMATIC REPEATER.



No. 5017—Shoots 1,000 times without reloading, shoots BB shot, lever action, frame and barrel are of one piece blued steel, no joints between barrel and frame to work loose, black walnut stock, excellent sights, all parts interchangeable, length 36 in., w't per doz. 38 lbs., per dozen.....**ADEE** $26.40

This is a hammerless magazine repeater which loads automatically and shoots with accuracy and great penetration.

HALF DOZEN IN A CASE.

DAISY SINGLE SHOT.



No. 5005—Lever action, single piece steel barrel, finely nickel plated, walnut stock, shoots BB air rifle shot and 17-100 darts, length 31½ in., w't per doz. 28 lbs., per dozen.....**JGGJ** $14.00

ONE DOZEN IN A CASE.

DAISY 500 SHOT AUTOMATIC REPEATER.



No. 5007—Daisy Repeater, lever action, 500 shot, shoots BB shot, single piece steel barrel, handsomely nickel plated, all parts interchangeable, length 31½ in., w't per doz. 28 lbs., per dozen .....**JIIJ** $18.00



No. 5018—Daisy, 500 shot, shoots BB shot, working parts of steel and brass, finely nickel plated, black walnut stock, lever action, loaded automatically, length 33 in. w't per doz. 40 lbs. .....per dozen **ACJJ** $23.60

HALF DOZEN IN A CASE.

AIR RIFLES AND ASSORTMENTS.

DAISY AIR RIFLES.



1000 Shot Automatic Repeater.

No. 5012—1,000 shot, **nickel plated,** shoots BB shot, working parts of steel and brass, turned walnut stock, fitted with blued steel butt-plate, lever action, loads automatically, length 36 in., w't per doz. 42 lbs., per dozen **ADEJ** $26.40

Shooting barrel provided with patented shot retainer that enables the user to shoot downward without loading the shot. It shoots accurately and with great force.

No. 5008—1,000 shot, blued finish, magazine gun with lever action, loads automatically, turned genuine black walnut stock, highly polished, fitted with blued steel butt-plate, all parts interchangeable, length 36 in., w't per doz. 56 lbs. .....per dozen **AIHJ** $36.00

HALF DOZEN IN A CASE.



Military Repeater.

No. 5040—50 shot, shoots BB air rifle shot, lever action, all metal parts finished in gun blue, beautifully walnut finished stock, rear sight open and adjustable, front sight knife type, sling strap and swivel, 45 in. over all, including bayonet, w't per doz. 45 lbs.....per dozen **CFJJ** $60.00

The Daisy Military Air Rifle which shoots strong and accurately is designed after the latest military pattern and its strap for carrying the detachable rubber tipped bayonet for drill use gives it the true army appearance.

ONE IN A PAPER BOX.



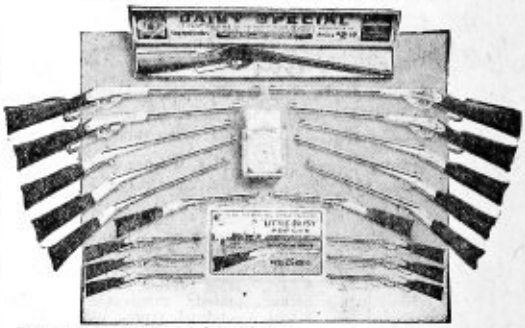
Pump Action Repeater.

No. 5020—50 shot, shoots BB air rifle shot, metal parts non-rusting gun blue, genuine black walnut stock, hand polished, adjustable sights front and rear, length 38 in., w't each 3¼ oz. ..... per dozen **BFDJ** $50.00

This new pump action repeater operates by pulling the slide toward the stock, the loading action is automatic, fires rapidly from the shoulder, the magazine having a forced feed, is a strong and accurate shooter. It is bound to be a winner.

ONE-HALF DOZEN IN A CASE.

DAISY AIR RIFLE ASSORTMENT.



No. 100D includes the following—

1 only No. B3 Special, 1,000 shot, blued finish, each		$2.50	$2.50
2 only No. 3, 1,000 shot	each	2.00	4.00
2 only No. 30, 500 shot	each	1.75	3.50
2 only No. 1, Repeater	each	1.25	2.50
2 only No. 2, Single Shots	each	1.00	2.00
2 only No. 20, Little Daisies	each	.50	1.00
2 only No. 14, Big Daisy Pop	each	.50	1.00
6 only No. 10, Little Daisy Pop	each	.25	1.50
1 only No. 21, Target and 100 cards	each	.50	.50
Total			**AAIE** $18.50

A FINE DISPLAY CARD OF A "DAISY BOY" IS FREE WITH EACH ASSORTMENT. THIS CARD IS 24 IN. HIGH BY 25 IN. WIDE AND, USED AS A WINDOW TRIM, WILL DISPLAY ONE AIR RIFLE AT A TIME.

PACKED COMPLETE IN LIGHT WOOD CASE. W'T 38 LBS.



Take Down.

No. 7—Quackenbush, shoots strong and accurately, 17-100 felted slugs, BB air rifle shot or 17-100 darts, 17 in. round barrel, blued finish, metal parts all steel except inner barrel which is made of brass, American walnut stock, nicely finished, action and trigger gray blue finish, length overall 39¼ in., w't each 2¾ lbs. .....each **CBE** $3.40

By simply pushing in the barrel the gun is cocked and the breech opened for handy loading. An excellent arm for small game, also well adapted for target shooting.

ONE IN A BOX WITH SIX STEEL DARTS AND THREE FANCY PAPER TARGETS.

No. 17-100 Felted Slugs for No. 7 Quackenbush and other small bore air rifles .....per 1000 **AJJ** $1.70

The felted slug prevents any leakage of air and is desirable for accurate shooting.

ONE HUNDRED IN A BOX.

BENJAMIN PUMP AIR RIFLE.



No. 5025—Nickel plated barrels, walnut stock, single shot take-down, larger barrel is the pump and air chamber, smaller one is the shooting barrel, length 37 in., w't 2 lbs., per dozen .....**BCAJ** $42.00

No. 1—Valve balls, for No. 5025 .....per dozen **JEJ** .90
No. 2—Rubber plugs, for No. 5025 ....per dozen **JAJJ** 1.80
No. 3—Pump leathers, for No. 5025 .....per dozen **JCJ** .50

This is a pneumatic gun and is operated entirely by air. It is not a spring gun.

ONE DOZEN IN A CASE.

AIR RIFLE AND ARCHERY SUPPLIES AND POP GUNS.

BOY SCOUT AIR RIFLE SHOT.



Designed for pocket use, by turning band on tube, shot may be removed as wanted.

No. 15—Contains 5 oz., more than 250 pellets, put up in strong paper tube with slip band shot release, w't per doz. tubes 4½ lbs. .....per dozen tubes **EJ** $0.84

No. 16—Case lots of one hundred tubes, w't per case 33 lbs., otherwise same as No. 15 .....per case **CIJ** $6.50

AIR RIFLE TARGETS.



No. 21—Daisy, height 7 in., width 6 in., steel frame, handsomely nickel plated, removable paper target to record score, 100 record cards with each, gong rings when bull's-eye is hit, no glancing shots, as all are held inside the target, w't per doz. 1½ lbs., per dozen .....**DDJ** $8.00

For in or out door practice. Increases the interest in shooting.

AIR RIFLE DARTS.



No. 17—Sharp, steel points, with assorted colors, red, yellow and blue flight guides, w't per gro. ¾ lbs., per gross .....**BAE** $3.60

ONE DOZEN IN AN ENVELOPE.

WILD WEST ARCHERY SETS.



No. 116—Nickel plated spring wire bow, 29¼ in. long, red stained wood arrow, solid rubber vacuum tipped, 18 in. long, w't per set 4 oz. .....per dozen sets **JIE** $1.60

SIOUX CHIEF BOWS AND ARROWS.



No. 118—Bow and band piece of polished nickel steel, 26 in. long, arrow of polished hardwood with soft rubber tip, 15 in. long, w't 12 oz.....per dozen **BDJ** $4.00

Made to shoot and to last, is bound to be a popular seller.

ARROWS.

No. 119—Polished hardwood with soft rubber tip, 15 in. long, for No. 118 Bows .....per dozen **JFJ** $1.00

ONE GROSS BOWS AND ARROWS IN A CASE.

POP GUNS.



King Safety Lever.

No. 5014—Lever action, one piece, nickeled steel barrel and frame, black walnut stock, shoots a cork which is attached to a string and makes a **big noise, length 17** in., w't 7½ oz., per dozen .....**BAJ** $3.50

This is the first lever action pop gun made that can't kick back and hurt hand or fingers, and will make a big hit with the little folks, for it is almost identical in appearance with the big 1,000 shot, lever action and all.

SIX DOZEN IN A CASE.

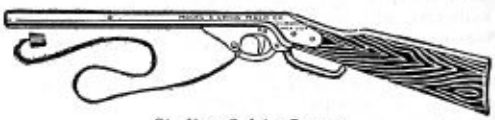
KING LONG DISTANCE POP GUN.



King Long Distance.

No. 5019—Nickel plated and polished steel barrel, black walnut stock, shoots a cork and rubber ball at end of string and makes a loud report, length 21 in., w't 1 lb., per dozen .....**DHJ** $6.00

SIX DOZEN IN A CASE.



Sterling Safety Lever.

No. 5013—Lever action, gun metal finish, walnut finish stock, shaped and polished, simple construction, shoots a cork which is attached to a string, makes a loud report, length 17 in., w't per doz. 6 lbs. .....per dozen **BAJ** $3.50

ONE IN A PAPER CARTON.



"Quick Shot" Automatic.

No. 5001—Blued steel barrel and frame, walnut stock, operates sliding cork automatically giving a loud report each time gun is cocked and trigger pressed, length 18⅛ in., w't per doz. 6 lbs. .....per dozen **BDJ** $4.00

The safety of this noise-maker will appeal to parents. It is absolutely harmless as the cork is contained in the barrel and cannot fly out.

ONE IN A PAPER CARTON.

SINGLE SHOT RIFLES.

HAMILTON.



No. 27—22 caliber, long or short rim fire, 16 in. tapered bronze barrel, fitted with front knife and open rear adjustable sights, automatic ejector, w't 3 lbs., each ..... **ACJ** $2.20

This rifle has a hammer action exceedingly simple and of few parts. A solid breech-block makes action absolutely safe from rear explosion. The barrel is rifled with great care and has a built-up steel jacket which gives it great strength, durability and accuracy.



Boy's Military Model, Take Down.

No. 035—22 caliber, 16 in. tapered barrel, chambered for 22 short and 22 long cartridges, fitted with front knife and rear open adjustable sights, genuine turned walnut stock and forearm, barrel and breech that lock automatically, length of rifle 31 in.—exclusive of 7 in. bayonet—equipped with detachable bayonet and carrying strap, w't each 2 lbs., 9 oz., w't per case of ten 36 lbs.....each **BGJ** $4.50

In every way follows out the general construction of the Standard Army Rifle. The bayonet is detachable and its point is protected by a steel button. Material and workmanship are of the best, thus dependable shooting qualities are assured. The Hamilton Military Type Rifle fills all the requirements of a boy's arm for drilling, hunting and target practice.

ONE IN A CARTON; TEN IN A CASE.

REMINGTON.



Take Down.

No. G622—22 caliber, 20 in. round tapered, decarbonized steel barrel, case-hardened frame, oiled walnut stock, rifle butt-plate, w't about 3¼ lbs.....each **CJE** $4.00

No. 632—32 caliber, otherwise same as No. G622, each ..... **CJE** $4.00

Note that Nos. G622 and 632 are fitted with rear peep sight on the tang of rifle.

Accurately bored and rifled. Genuine walnut stock and fore-end. Barrel detached from stock by loosening thumb screw. Adapted to 22 short, 22 long, rim fire cartridges, conical ball, bullet breech caps, 32 short and 32 long, rim fire cartridges.

TEN IN A CASE.



Take Down.

No. 422—22 caliber, short or long, rim fire, 22½ in. octagon barrel, all parts forged steel, case-hardened, frame, walnut stock, rifle butt-plate, fitted with new design sporting rear-sight with elevator, automatic shell ejector, w't 4¼ lbs.....each **EBJ** $8.00

No. G432—32 caliber, long or short, rim fire, 22½ in. octagon barrel, all parts forged steel, case-hardened frame, walnut stock, rifle butt-plate, plain sight, automatic shell ejector, w't 4¼ lbs.....each **EBJ** $8.00

TEN IN A CASE.

REMINGTON MILITARY MODEL.



No. 4S—22 caliber, short rim fire, 28 in. high grade Remington steel barrel, strong, well fitted, dull finish walnut stock, military type front sight, folding bar rear sight, furnished complete with stacking swivel, sling strap, bayonet and scabbard, length over all 43 in., w't 5½ lbs. .....each **GJJ** $8.00

TEN IN A CASE.

SAVAGE BOLT ACTION.



Model 1904 "Junior," Take Down.

No. 818—22 caliber, rim fire, chambered for 22 short, 22 long, and 22 long rifle cartridges, shell ejected automatically, 18 in. round blued finish steel barrel, shot gun butt, walnut stock, single shot, w't 3 lbs.....each **CGE** $4.50



Model 1905 "Target," Take Down.

No. 819—22 caliber, 22 in. round blued steel barrel, equipped with adjustable trigger pull device, chambered for 22 short, 22 long and 22 long rifle cartridges, Swiss butt-plate, walnut stock, fitted with savage ivory bead front and micrometer rear sight, w't 4¼ lbs..each **EBE** $6.50

The closing knob automatically cocks the arm, and after the cartridge has been fired, the opening movement automatically ejects the empty shell.

REVONOC SINGLE SHOT RIFLES.

REVONOC *rifles with their beauty of outline represent the highest development of American workmanship. The stock and fore-end are made from select seasoned walnut, only the attractive grains being used.*

Each stock is finished so as to bring out the full beauty of the graining. The frame is carefully case-hardened, the beautiful blendings of blue and gray, peculiar to this process, showing clear and strong. The balance, penetrating force and accuracy will please the most discriminating marksman.



Take-Down, 20 Inch Round Tapered Barrel.

No. 222 REVONOC—22 caliber, rim fire, case-hardened frame, open rear and German silver knife edge front sight, positive horizontal extractor, nicely shaped walnut stock, with rubber butt plate, special "duck's bill" fore-end, w't about 3 lbs., each ..... **BDJ** $4.00

All of the working parts can be taken out by simply removing the stock from the barrel which is attached with a thumb screw. The action is attached to the barrel, and the breech block drops down when a cartridge is to be inserted or an empty shell extracted.



Take-Down, 18 Inch Round Tapered Barrel.

No. 322 REVONOC—22 caliber, rim fire, case-hardened frame, sporting front and rear sights, plain walnut straight grip, military stock, special shaped fluted fore-end, rubber butt plate, w't about 3½ lbs. ..... each **BGJ** $4.50

Substantially made throughout, guaranteed for accuracy. A handsome rifle at a very low price.



Take-Down, 20 Inch Half Octagon Barrel.

Especially Designed for Smokeless Cartridges, Case-Hardened Frame, Lever Action, Open Front and Rear Sights, Nicely Shaped Walnut Stock with Rubber Butt Plate, Special "Duck's Bill' Fore-End, Carefully Finished Throughout, W't 4 Lbs.

No. 1822 REVONOC—22 caliber, rim fire ..... each **CGE** $6.50



Take-Down, 24 Inch Half Octagon Barrel.

Case-Hardened Frame, Solid Breech Block, Rocky Mountain Front and Sporting Rear Sights, Lever Action, Detachable Barrel, Nicely Shaped Walnut Stock, with Rubber Butt Plate, Special "Duck's Bill" Fore-End, W't About 6½ Lbs.

No. 1922 REVONOC—22 caliber, rim fire..... each **DFJ** $8.00

ALL ABOVE RIFLES SHOOT 22 SHORT, 22 LONG, 22 LONG RIFLE AND 22 STEVENS-POPE ARMORY CARTRIDGS.

THE PARTS OF AN AMERICAN MACHINE MADE GUN ARE INTERCHANGEABLE.

REVONOC SINGLE SHOT RIFLES.



Take-Down, 24 Inch Full Octagon Barrel.

Lever Action, Case-Hardened Frame, Parts Drop-Forged and Case-Hardened, Fitted with Sporting Front and Rear Sights, Handsome American Walnut Military Stock and Fore-End Nicely Checkered, Steel Butt Plate, W't About 5¼ Lbs.

No. 522 REVONOC—22 caliber, rim fire ..... each **EBJ** $9.00
No. 525 REVONOC—25 caliber, long and short rim fire ..... each **EBJ** $9.00
No. 532 REVONOC—32 caliber, long and short rim fire ..... each **EBJ** $9.00



Noiseless Model, Take Down, 26 in. Round Barrel.

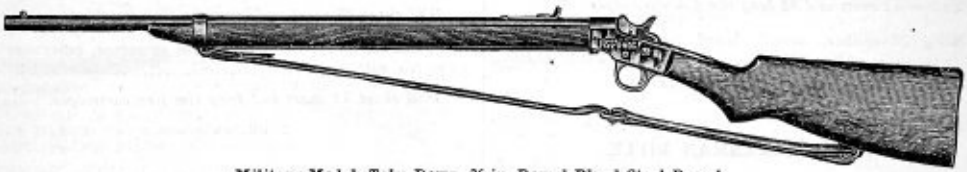
No. 2022 REVONOC—22 caliber, rim fire, lever action, case-hardened frame, parts drop forged and case-hardened, fitted with sporting front and rear sights, handsome American walnut military stock and fore-end nicely checkered, steel butt-plate, noiseless shooting, adapted to 22 short, long and long smokeless rim fire cartridges, wt' each 5½ lbs., each ..... **JFIJ** $12.00

No noise—no smoke—no flash—no recoil.

The muffler is a part of the rifle, it being built into the barrel, no couplings or other contrivances to mar its neatness and symmetry. One unit, showing no indication of a silencer device. Indoor rifle that can be used in the house for target practice without startling the occupants. Desirable for ladies and beginners, eliminating the tendency to flinch at the report, particularly desirable for small game shooting, in that the noise will not scare the game away when shot at.

Like all REVONOC *arms, it shoots straight to the mark.*

ONE IN A BOX.



Military Model, Take Down, 26 in. Round Blued Steel Barrel.

No. 3122 REVONOC—22 caliber, rim fire, solid breech block action with safety stop, the hammer rests at the safety notch thus cartridge cannot be prematurely discharged, coil springs, case-hardened frame and mountings, military half pistol grip stock and musket forearm, blued steel butt plate, leather sling strap, open front and Rocky Mountain adjustable rear sights, chambered for 22 short, 22 long, 22 long rifle and 22 Stevens-Pope Armory rim fire cartridge, w't each about 4½ lbs. ..... each **DCE** $7.50

The necessity and importance of every young man and boy being acquainted with the handling and shooting of Military arms is becoming more and more apparent every day.

The value of the "Boy Scout" movement is being universally recognized in the leading countries of the world. The demand for an accurate .22 caliber Military rfle for practice shooting is acknowledged everywhere. To satisfy this requirement, we present our REVONOC *Military Model—22 caliber rifle.*

This shoots accurately and not only is designed for target practice but is equally adapted to small game hunting.

ONE IN A BOX.

ALL ABOVE RIFLES SHOOT 22 SHORT, 22 LONG RIFLE AND 22 STEVENS-POPE ARMORY CARTRIDGES.

THE PARTS OF AN AMERICAN MACHINE MADE GUN ARE INTERCHANGEABLE.

SINGLE SHOT RIFLES AND SHOT GUNS.

STEVENS' LITTLE SCOUT RIFLE.



Take-Down.

No. 14½—22 caliber, rim fire, take down, 18 in. round barrel, regulation varnished stock and fore-arm, case hardened frame, positive horizontal extractor, walnut stock, metal butt, chambered to take 22 long rifle cartridge, but will shoot C. B. caps, 22 long and 22 short as well, w't 2¾ lbs., each ..... **BBJ** $3.00

All of the working parts of this rifle can be easily taken out by simply removing the stock from the barrel, which is attached with a thumb screw. The action is attached to the barrel and the breech-block drops down when a cartridge is to be inserted or an empty shell extracted. Open rear and German silver knife edge front sights.

STEVENS' CRACK SHOT RIFLE.



Take-Down.

No. 2622—22 caliber, rim fire, 18 in. round barrel, blued frame, lever action, plain oval walnut stock, carbine butt-plate, knife blade front and open rear sights, designed for smokeless powder ammunition.....each **BGE** $4.00

Will shoot C. B. caps, 22 short, 22 long, 22 long rifle and 22 Stevens Pope Armory rim fire cartridges.

No. 2632—32 caliber, rim fire, otherwise same as No. 2622, each ..... **BGE** $4.00

Will shoot 32 short and 32 long rim fire cartridges.

No. 2622½—22 caliber, smooth bored for shot cartridges, otherwise same as No. 2622 .....each **BGE** $4.00

Will shoot 22 long rim fire shot cartridges.

STEVENS' MARKSMAN RIFLE.



Take-Down.

No. 2822—22 caliber, rim fire, take down, 20 in. round barrel, blued frame, lever action, plain walnut stock, rubber butt plate, plain walnut fore-end, bead front and open rear sights, designed for smokeless powder ammunition, w't 4 lbs. .....each **CFJ** $5.00

Will shoot C. B. caps, 22 short, 22 long, 22 long rifle and 22 Stevens-Pope Armory rim fire cartridges.

ONE IN A BOX.

STEVENS' FAVORITE RIFLE.



No. G3522—22 caliber, rim fire, 24 in. half octagon barrel, automatic ejector, case-hardened frame, solid breech block, Rocky Mountain front and sporting rear sights, lever action, detachable barrel, w't 4¼ lbs.....each **DDJ** $6.00

No. 3522-W—22 caliber, using 22 caliber W. F. R. cartridges, plain extractor, w't 4¼ lbs., otherwise same as No. G3522, each .....**DDJ** $6.00

No. 3525—25 caliber, rim fire, plain extractor, w't 4¼ lbs., otherwise same as No. G3522.....each **DDJ** $6.00

No. G3532—32 caliber, rim fire, plain extractor, w't 4 lbs., otherwise same as No. G3522.....each **DDJ** $6.00

No. G3522 will shoot 22 short, 22 long, 22 long rifle and 22 Stevens-Pope Armory cartridges.



No. 4022—22 caliber, rim fire, 24 in. full octagon barrel, blued frame, plain lever action, automatic ejector, plain walnut stock, shotgun butt, rubber butt plate, plain walnut fore-end, fitted with Rocky Mountain front and sporting rear sights, w't 4½ lbs.....each **DIE** $6.50

Will shoot C. B. caps, 22 short, 22 long, 22 long rifle and 22 Stevens-Pope Armory rim fire cartridges.

No. 4025—25 caliber, rim fire, plain extractor, otherwise same as No. 4022.....each **DIE** $6.50

Will shoot 25 short and long rim fire cartridges.

No. 4032—32 caliber, rim fire, plain extractor, otherwise same as No. 4022.....each **DIE** $6.50

Will shoot 32 short and long rim fire cartridges.

ONE IN A BOX.

STEVENS' FAVORITE SHOT GUN.



Bored Smooth for Shot Cartridges.

No. 3822—22 caliber, rim fire shot, 24 in. half octagon barrel, automatic ejector, case-hardened frame, solid breech block, knife blade front sight, lever action, detachable barrel, w't 4½ lbs. .....each **DDJ** $6.00

No. G3832—32 caliber, rim fire shot, plain extractor, otherwise same as No. 3822 .....each **DDJ** $6.00

Nos. 3822 and G3832 guns shoot 22 and 32 rim fire shot cartridges.

ALL ABOVE FIFTY IN A CASE.

RIFLES.

STEVENS' NEW IDEAL.



Single Shot.

Sporting and Gallery, Half Octagon Barrel, Rifle Butt-Plate, Drop Forged Case-Hardened Frame, Oiled Walnut Stock and Fore-Arm, Rocky Mountain Front and Sporting Rear Sights.

No. 9104—22 long rifle caliber, rim fire, automatic ejector, 24 in. barrel, w't 7¼ lbs.....each **JGIJ** $10.00

No. 9106—22 long rifle caliber, rim fire, automatic ejector, 26 in. barrel, w't 7¾ lbs.....each **JGIJ** $10.00

No. 9204—25 Stevens caliber, rim fire, plain extractor, 24 in. barrel, w't 7¼ lbs.....each **JGIJ** $10.00

No. 9206—25 Stevens caliber, rim fire, plain extractor, 26 in. barrel, w't 7¾ lbs.★.....each **JGIJ** $10.00

No. 9304—32 long caliber, rim fire, plain extractor, 24 in. barrel, w't 7¼ lbs.....each **JGIJ** $10.00

No. 9506—25-20 caliber, center fire, plain extractor, 26 in. barrel, w't 7¾ lbs.....each **JGIJ** $10.00

No. 9508—25-20 caliber, center fire, plain extractor, 28 in. barrel, w't 8 lbs.....each **JIDJ** $12.00

This rifles is manufactured to meet the demand for a reliable and accurate rifle at a moderate price. It is recommended without qualification and fully guaranteed by the makers.

STEVENS' NEW MODEL POCKET.



Single Shot.

With Nickel Plated Detachable Skeleton Stock.

No. 8102—22 caliber, 12 in. blued steel round barrel, octagon breech, Stevens' combination sights, nickel plated frame, walnut stock, w't 2¼ lbs.....each **JHAJ** $10.50

The front sight is a combination globe and top; the rear sight is folding and adjustable. This rifle is adapted for 22 long rifle and 32 Stevens-Pope Armory for accuracy, will also shoot 22 short and 22 long cartridges.



Length Over All 35 In., Varnished Stock and Slide Handle, Fitted with Bead Front and Sporting Rear Sights, W t 4½ Lbs.

STEVENS "VISIBLE LOADING" REPEATER.

No. 70—22 caliber, chambered for 22 shorts, holds 15 cartridges, 22 in. round barrel.....each **FCE** $8.00

No. 73—Visible loading, suitable for 22 long rifle cartrdiges, holds 11 cartridges, rifled with twist of one turn in 16 in., each .....each **FCE** $8.00

The 22 long rifle model will magazine and shoot 22 short, 22 long and 22 long rifle rim fire cartridges, but for accurate results, the manufacturers recommend that 22 long rifle be used.

The "Visible Loading" feature is entirely new and so simple that it will appeal instantly to the shooter for the reason that cartridge is always in sight while being fed into chamber. The magazine tube and breech block are in one piece. Has extra strong double extractors, making the extraction of the empty shell absolutely positive. The breech block has a positive lock and is operated by the slide handle after the breech block is closed. The hammer also has a positive lock and is always locked, while the breech block is unlocked.

WINCHESTER SINGLE SHOT.



Thumb Trigger Action Model.

No. 720—22 cal., rim fire, shoots 22 short and 22 long cartridges, 18 in. round blued steel barrel, take-down, bolt action, 13½ in. highly finished straight grip stock, checkered butt-plate, entire length 33⅝ in., w't 3 lbs.....**CAJ** $4.00

When the gun is cocked, the action is locked against opening until firing pin falls. The gun is cocked by pulling rearward on the firing pin, which is made with a knurled head. It is furnished with an open rear sight, and with a Winchester front sight having a bright alloy tip, which will not tarnish.



Model 1902, Bolt Action.

No. 718—22 cal., 18 in. round blued steel barrel, rifled, open rear sight, straight grip stock with rubber butt-plate, trigger guard of a new design which fulfills the purpose of a pistol grip, take-down, can be taken apart easily and quickly, the operation consisting simply of unscrewing thumb screw underneath the fore arm, shoots 22 short or 22 long cartridges, w't 2¾ lbs.....each **CFJ** $5.00



Model 1904, Bolt Action.

No. 719—22 cal., 21 in. heavy round barrel, take-down, adjustable rear sight, bead front sight with bright alloyed tip, highly finished Schuetzen shaped butt stock, with a blued steel rifle butt plate, shoots 22 short and long cartridges, w't 4 lbs.....each **DGJ** $6.25



Solid Frame.

Octagon Barrel, Plain Trigger, Plain Walnut Rifle Butt Stock, Blued Frame.

No. 5108—25-20 cal. center fire, 28 in., w't 7 lbs., each★ ..... **AAIJ** $16.00

WINCHESTER AUTOMATIC.



Model 1903, Take-Down.

No. 724—22 cal., hammerless, rim fire, 20 in. round barrel, straight grip stock of plain walnut, 10 shots, w't 5¾ lbs., each ..... **AGFE** $25.00

The Winchester Model 1903, is a ten-shot, automatic, hammerless, take-down rifle, adapted to a new 22 caliber rim fire cartridge loaded with smokeless powder and greaseless bullet. It is simple in construction and operation.

ALL ABOVE, TEN IN A CASE.

★FOR FACTORY SHIPMENT ONLY.

REPEATING AND AUTOMATIC RIFLES.

WINCHESTER REPEATING.



Model 1906, Take Down.

No. 702—22 cal., rim fire, 22 short, 22 long and 22 long rifle, 20 in. round barrel fitted with sporting front sight and adjustable open rear sight, 35⅜ in. length over all, stock 12⅞ in. long, rubber butt-plate, magazine holds fifteen 22 short and eleven 22 long or 22 long rifle cartridges, w't 5 lbs.....each **J I I J** $13.00



Model 1890, Take Down.

No. 704—22 cal., short, 24 in. octagon barrel, plain trigger, sliding fore-arm action, straight grip rifle stock of plain walnut, 15 shots, w't 5¾ lbs. .....each **A B C J** $16.00
No. 705—22 cal., long, 24 in. octagon barrel, plain trigger, sliding fore-arm action, straight grip rifle stock of plain walnut, 12 shots, w't 5¾ lbs. .....each **A B C J** $16.00
No. 706—22 W. R. F. cal., 24 in. octagon barrel, plain trigger, sliding fore-arm action, straight grip rifle stock of plain walnut, 12 shots, w't 5¾ lbs. .....each **A B C J** $16.00

SAVAGE AUTOMATIC.



Model 1912, Take Down.

No. 7421—22 long rifle caliber, 7 shots, self-loading, 20 in. round barrel, hammerless, American walnut stock and fore-arm, shot gun butt, steel butt-plate, bead front and adjustable rear sight, with two magazines, length taken down 23½ in., w't 4½ lbs.★ .....each **A J G E** $12.00
Extra Magazines for No. 7421 Rifle★ .....each **B E** .40

The Model 1912, 22 Savage Automatic Rifle is a self-loading hammerless, take-down arm, constructed to shoot accurate, powerful and inexpensive 22 long rifle semi-smokeless or Lesmok cartridges only. The recoil each time the rifle is fired throws out the empty shell, cocks the arm and puts a loaded cartridge into the barrel, leaving the rifle ready for the next shot, will shoot one shot to a trigger pull just as fast as trigger is pressed.

TEN IN A CASE.

SAVAGE REPEATING.



Model 1911, Take Down, Bolt Action.

No. 7400—22 caliber, shorts only, 20 shot repeater, bolt action, 20 in. round blued steel barrel, steel shot gun butt, walnut stock, equipped with adjustable rear and metal bead front sight, w't 4 lbs.....,each **E I E** $7.00

Its special rifling for 22 short only combined with adjustable open sights makes it an ideal arm. It has stock magazine capacity of 20 shots. Simply opening and closing the bolt ejects the fired shell, inserts a new shell and automatically cocks the arm placing it in a position to fire the next shot. It is light and compact, being modeled after the most modern military rifles.

SAVAGE REPEATING.





Model 1914, Take Down, Trombone Action, Tubular Magazine.

No 7424—22 caliber, 24 in. octagon barrel, hammerless, repeater, solid top, side ejection, positive safety, pistol grip stock, steel rifle butt-plate, shoots 22 short, 22 long and 22 long rifle cartridges without adjustment, magazine holds twenty 22 short, seventeen 22 long or fifteen 22 long rifle cartridges, fitted with metal bead front and adjustable wind gauge rear sights, length taken down 27½ in., w't 5¾ lbs. .....each **A A F E** $13.00

The arm is hammerless, with solid breech, solid top and side ejection. All the moving parts are enclosed within the receiver. The safety is of the shot gun type and is located at the top of the tang, immediately in front of the grip.

The action is positive, short, quick and easily operated.

The beauty of outline, typical of all Savage arms, is increased in the Model 1914 by the introduction of an action slide handle, as long and as well shaped as a forearm. This makes unnecessary the strained, cramped position of the left arm and wrist, unavoidable with other 22 caliber arms of the trombone type, and permits the shooter to grasp the rifle with the left hand easily and as far forward as he desires.

In addition to this, the Model 1914 has a new, yet characteristically Savage pistol-grip, short, sharply curved and fitting the hand perfectly.

The rifle retains the time-tried and approved features of the mechanism of the Model 1903. The breech bolt and action are similar in design and locked in exactly the same way. The firing mechanism, ejector and safety are identical. The take-down device, owing to its long bearings, almost the entire length of the receiver, besides being easily operated, is especially strong and rigid. An ingenious design of carrier and action slide makes it impossible for more than one cartridge at a time to be released from the magazine and positively blocks the feeding of another cartridge until the action not only has been closed and locked on the preceding one, but also has been opened again to extract and eject it. This construction makes the presence of two cartridges in the receiver at the same time—a condition likely to occur in tubular magazine arms, handling cartridges of three different lengths—physically impossible.

★FOR FACTORY SHIPMENT ONLY.

REPEATING RIFLES.

REMINGTON.



Model No. 12, Take-Down. Hammerless.

No. 1021—Standard, 22 caliber, solid breech, side ejection, 22 in. round barrel, chambered to take without adjustment 22 short, 22 long and 22 long rifle cartridges, straight grip, walnut stock, rubber butt-plate, w't 4½ lbs., magazine holds fifteen 22 short, twelve 22 long or eleven long rifle cartridges.....each **AJFE** $12.65

Model No. 12, Take-Down, Hammerless.

No. 1022—Gallery Special, 22 caliber, solid breech, side ejection, 24 in. octagon steel barrel, chambered for 22 shorts only, pistol grip, walnut stock, steel rifle butt-plate, w't 5½ lbs., magazine holds 15 short cartridges, each ..... **ACJE** $16.00

Model No. 12, Take-Down, Hammerless.

No. 1023—Target, 22 caliber, solid breech, side ejection, 24 in. octagon steel barrel, chambered to take without adjustment 22 short, 22 long and 22 long rifle cartridges, straight grip, walnut stock, steel rifle butt-plate, w't 5½ lbs., magazine holds fifteen 22 short, twelve 22 long or eleven long rifle cartridges.....each **ACJE** $16.00



Model 12, Take-Down, Hammerless.

No. 1024—Target, 22 caliber, using 22 cal. W. R. F. cartridges, solid breech, side ejection, 24 in. octagon steel barrel, straight grip, walnut stock, steel rifle butt-plate, magazine holds nine 22 W. R. F. cartridges, w't each 5½ lbs. ..... each **ACJE** $16.00

The Remington repeating rifle chambered to shoot 22 W. R. F. will be a popular one. It is extremely accurate, its serviceable range being 100 to 200 yards. The cartridge shows excellent penetration, shooting through seven pine boards ⅞ in. in thickness.

ALL ABOVE, TEN IN A CASE.

REMINGTON.



Model 16, Take-Down, Hammerless.

No. 1025—.22 caliber—.22 Winchester Automatic Cartridge is not adapted to this rifle—automatic, solid breech, side ejection, 22 in. round barrel, chambered for .22 automatic rim fire cartridges, straight grip, walnut stock fitted with steel rifle butt plate, adjustable straight bar rear sight and white metal bead front sight, magazine holds fifteen cartridges which, with one in the chamber, makes this a sixteen shot autoloading repeater, w't each 5¼ lbs., each ..... **AGEE** $20.00

The Remington .22 caliber autoloading hammerless rifle has the famous solid breech, generally recognized as the most important improvement in modern arms. A thick wall of solid steel lies between the firing chamber and the shooter's face ALWAYS. This affords the shooter absolute protection against injury from blow-backs or defective ammunition. The solid breech also prevents dirt, snow and other foreign substances from entering the mechanism.

The safety lock is arranged conveniently just in front of the trigger.

When the rifle is "on safe" it is impossible to pull the trigger or fire the arm. The safety lock indicates whether the gun is cocked because the safety can not be set "on safe" when the gun is uncocked.

The autoloading action permits great rapidity of accurate fire, which is still further increased by the perfect balance of the arm.

The interrupted screw take-down system is simple and strong embodying perfect mechanical features to preserve alignment of the barrel with the frame.

When taken down, the arm is so compact that it may be put ina suit case. It is only necessary to press rearward on the take-down button, give the barrel a quarter turn, and withdraw from the frame. No screws to turn or small members to lose. Further dismounting is obtained by removal of an assembling screw, which releases the two halves of the frame, rendering the mechanism easily accessible for cleaning and oiling.

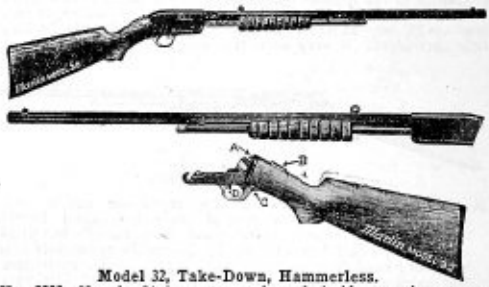
Provision is made to take up all wear which can possibly occur, assuring perfect fitting of barrel to frame at all times.

The barrel may be cleaned from the breech and may be conveniently inspected, two necessary factors in the proper care of any .22 caliber barrel with which fine shooting is to be done.

The magazine consisting of a simple tube with capacity for fifteen .22 caliber automatic cartridges is arranged within the stock where it is protected from injury. The loading hole is on the bottom of the stock. The arm may be used as a single shot if desired.

ONE IN A BOX.

MARLIN.



Model 32, Take-Down, Hammerless.

No. 2222—22 cal., 24 in. octagon barrel, half magazine, trombone action, pistol grip stock, safety slide button, by pressing down the button you make the rifle safe against accidental discharge, the sides and top of receiver are free from screw or pin holes, fitted with ivory bead front sight, wind gauge, rear sight with flat top and V notch and click adjustment for elevation and wind gauge, shoots 22 short, 22 long and 22 long rifle cartridges, handles 15 short, 12 long or 10 long rifles at one loading, w't each 5½ lbs., each .....**AABE** $12.50

MARLIN REPEATING RIFLES.



Model 29, Take-Down.

No. 1929—22 caliber, 23 in. round barrel, 39¾ in. over all, trombone action, handles short, long and long rifle cartridges without any change in adjustment, blued frame, rifle butt-plate, black walnut butt stock and fore-end, metal bead front sight, flat top block rear sight with notch and vertical white line at middle, w't 4½ lbs. .....each **JIGE** $11.80

This new model 29 Marlin repeating rifle handles 15 short, 12 long or 11 long rifle cartridges at one loading without any change in adjustment. Recommended as a thoroughly accurate and efficient rifle for all small game and for target shooting up to 200 yards.

It has the same simple take-down construction as the model 20 and the regular solid top, side ejecting Marlin construction which protects the shooter, keeps the gun clean and dry and promotes rapid accurate firing; the real test of a repeater



Model 20, Take-Down.

No. 2024—22 caliber, trombone action, 24 in. octagon barrel, solid top, side ejector, closed in frame of best quality special steel, butt stock and fore-arm black walnut, well finished, metal rifle butt-plate, ivory bead front sight, special adjustable flat top rear sight, capacity of magazine 15 short, 12 long or 11 long rifle cartridges, length over all 39½ in., w't about 4 lbs. 10 oz., each **AAFE** $14.15



Model 20, Full Magazine, Take-Down.

No. 2025—22 caliber, trombone action, 24 in. octagon barrel, full magazine, solid top, side ejector, closed in frame of best quality special steel, butt stock and fore-arm black walnut, well finished, metal rifle butt-plate, ivory bead front sight, special adjustable flat top rear sight, w't about 5 lbs. 2 oz. .....each **AAFE** $14.15

Similar to the regular model 20 rifle, but made with heavier modeled stock and 24 in. tapered barrel. Handles at one loading 25 only 22 short, 20 only 22 long or 18 only 22 long rifle cartridges. A very accurate, well balanced gun.



Model 27, Take-Down.

No. 2027—25-20 caliber, solid top, trombone action, side ejector, 24 in. octagon special smokeless steel barrel, 7 shots, blued frame, blued steel rifle butt-plate, black walnut stock and fore-end, Rocky Mountain adjustable rear and ivory bead front sights, shoots black powder cartridges, low pressure smokeless and high velocity smokeless cartridges, length over all 42¼ in., w't 5¾ lbs., each .....**AEBE** $18.50

No. 2029—32-20 caliber, otherwise same as No. 2027, w't 5¾ lbs. .....each **AEBE** $18.50

Model 27 is well made, accurate and reliable for target work and all small game shooting. It is the only pump action repeater made in 25-20 and 32-20 caliber.



No. 2724—25 Long rim fire caliber (Stevens), 24 in. round special rolled steel barrel, take down, trombone action, solid top, 8 shots, blued frame, blued steel rifle butt plate, black walnut stock and fore-end, Rocky Mountain adjustable rear and ivory bead front sight, length over all 42¼ in., w't 5¼ lbs. .....each **ACFE** $16.55

No. 2824—25 Long rim fire caliber (Stevens), 24 in. octagon special rolled steel barrel, otherwise same as No. 2724, each .....**AEBE** $18.50

These new Marlins are the only 25 caliber rim fire repeating rifles on the market. They are the same as regular Model 27, 25-20 and 32-20 caliber, except adapted to the 25 Stevens rim fire cartridges only and will not work as a repeater with 25 short Stevens size.



Model 1892, Solid Frame.
Blued Frame, Blued Metal Rifle Butt-Plate, Black Walnut Stock, Rocky Mountain Sights.

No, 2324—32 caliber, 24 in. round barrel, magazine will hold 17 short, 14 long or long rifle cartridges, rim or center fire, w't 5½ lbs. .....each **ABEE** $15.20

No. 2424—32 caliber, 24 in. octagon barrel, magazine will hold 17 short, 14 long or long rifle cartridges, rim or center fire, w't 5½ lbs. .....each **ACFE** $16.55

The 32 caliber is made so that the same rifle may be used for 32 short rim fire and 32 long rim fire cartridges, and by changing the firing pin 32 short center fire and 32 long rifle center fire cartridges. The rifle as sent out from the factory is adapted to use rim fire ammunition, but a center fire firing pin is furnished with rifle without extra charge. The firing pins can be interchanged by any one without using tools.



Model 1897, Take-Down.
Case-Hardened Frame, Black Walnut Stock, Rocky Mountain Rear and Ivory Bead Front Sights.

No. 1124—22 caliber, 24 in. round tapered barrel, rubber shot gun butt, w't 5⅛ lbs. .....each **ACBE** $16.65

No. 1224—22 caliber, 24 in. octagon tapered barrel, rubber shot gun butt, w't 5⅛ lbs. .....each **ABBE** $18.50

No. 1226—22 caliber, 26 in. octagon tapered barrel, rubber shot gun butt, w't 5⅛ lbs. .....each **AFFE** $20.20

This rifle is similar in construction to the model of 1892, *but is a take down with many important improvements.*

In external appearance the following differences may be noted: the larger thumb screws and the finely tapered barrel, which, with the neat rubber butt plate, give the arm a light and graceful appearance.

The receiver is made of the special steel used in the high power smokeless rifles, which insures a solid rifle.

Capacity of magazines 25 short, 20 long and 18 long rifle cartridges.



Model 1892, Solid Frame.
Blued Frame, Black Walnut Stock, Rubber Butt-Plate, Removable Sideplate, Rocky Mountain Front and Rear Sights.

No. 2124—22 caliber, 24 in. round barrel, rubber shot gun butt, w't 5½ lbs. .....each **ABEE** $15.20

No. 2224—22 caliber, 24 in. octagon barrel, rubber shot gun butt, w't 5½ lbs. .....each **ACFE** $16.55

No. 2226—22 caliber, 26 in. octagon barrel, rubber shot gun butt, w't 5⅞ lbs. .....each **AEJE** $18.25

Shoots without adjusting.

Capacity of magazines 25 short cartridges, 20 long cartridges, 18 long rifle cartridges.

ALL ABOVE, TEN IN A CASE.

REPEATING RIFLES.

MARLIN.



Model 1894, Solid Frame.

Case-Hardened Frame and Lever, Blued Breech Bolt, Blued Rifle Butt-Plate, Black Walnut Stock, Rocky Mountain Sights.

No. 2524—25-20 caliber, 24 in. round barrel, 14 shots, w't 6¾ lbs. .....each **ABEE** $15.20

No. 2624—25-20 caliber, 24 in. octagon barrel, 14 shots, w't 6¾ lbs. .....each **ACFE** $16.55

No. 2626—25-20 caliber, 26 in. octagon barrel, 15 shots, w't 6½ lbs. .....each **AEJE** $18.25

No. 3189—32-20 caliber, 24 in. round barrel, 14 shots, w't 6¾ lbs.★ .....each **ABEE** $15.20

No. 3289—32-20 caliber, 24 in. octagon barrel, 14 shots, w't 6⅜ lbs.★ .....each **ACFE** $16.55

No. 3724—38-40 caliber, 24 in. round barrel, 14 shots, w't 6¾ lbs.★ .....each **ABEE** $15.20

No. 3824—38-40 caliber, 24 in. octagon barrel, 14 shots, w't 6⅜ lbs.★ .....each **ACFE** $16.55

Model 1894, Take Down.

No. 2624TD—25-20 caliber, 24 in. octagon barrel, 14 shots, w't 7½ lbs.★ .....each **AGCJ** $21.00

No. 2626TD—25-20 caliber, 26 in. octagon barrel, 15 shots, w't 7¾ lbs.★ .....each **AHGE** $22.75



Model 1894 Carbine, Solid Frame.

Case-Hardened Frame and Lever, Blued Breech Bolt, Blued Rifle Butt-Plate, Black Walnut Stock, Rocky Mountain Sights.

No. 8925—25-20 caliber, 20 in. round barrel, with sling ring on left side of receiver, 12 shots, w't 6 lbs., each .....**ABCJ** $15.00

No. 8938—38-40 caliber, 20 in. round barrel, with sling ring on left side of receiver, 12 shots, w't 6 lbs., each★ .....**ABCJ** $15.00

The .25-20 and .32-20 Marlin are guns of power and range, yet safe to use in settled districts. They cover fully any game smaller than deer, and have an accurate range of 300 yards. The .38-40 and .44-40 with the well known black and low pressure smokeless loads, and especially with the new high velocity smokeless cartridges, are excellent for deer and wolves.



New Model 1895.

No. 6504 —33 caliber, solid frame, 24 in. round special smokeless steel barrel, half magazine, holds 5 cartridges, 4 in. magazine and 1 in. chamber, American walnut butt-stock and fore-arm, shot gun butt, rubber butt-plate, Rocky Mountain adjustable rear and front sights, special light weight model—about 7¼ lbs., each★ .....**AGAE** $20.80

No. 6504TD—33 caliber, take down, 24 in. round special smokeless steel barrel, half magazine, otherwise same as No. 6504★ .....each **BJDE** $24.80

The 33 caliber cartridge is one of the most powerful of all modern high power smokeless cartridges throwing a heavy bullet with extremely high velocity (over 2050 feet) very flat trajectory, deep penetration and tremendous shocking and killing power, it quickly brings down moose, bear, deer and all other big game.

ALL ABOVE, TEN IN A CASE.

MARLIN.



WE RECOMMEND PETERS' SEMI-SMOKELESS AMMUNITION FOR MODEL "B" 1893 RIFLE.

Model "B" 1893 Rifle.

Blued Frame, Breech Bolt and Finger Lever, Black Walnut Stock, Blued Rifle Butt-Plate, Rocky Mountain Front and Rear Sights.

No. 6706—32-40 caliber, 26 in. octagon taper barrel, 10 shots, w't 7½ lbs. .....each **ACFE** $16.55

No. 6806—38-55 caliber, 26 in. octagon taper barrel, 10 shots, w't 7½ lbs.★ .....each **ACFE** $16.55

Model 1893 Rifle with "Smokeless Steel" Barrels.

Case-Hardened Frame, Breech Bolt and Finger Lever, Black Walnut Stock, Blued Rifle Butt-Plate, Rocky Mountain Front and Rear Sights.

No. 2636 —25-36 caliber, 26 in. smokeless steel octagon taper barrels, 10 shots, w't 7½ lbs.★ .....each **AGAE** $20.80

No. 6306 —30-30 caliber, 26 in. smokeless steel round taper barrel, 10 shots, w't 7 lbs. .....each **AFAE** $19.60

No. 6406 —30-30 caliber, 26 in. smokeless steel octagon taper barrel, 10 shots, w't 7½ lbs. .....each **AGAE** $20.80

No. 6406½—30-30 caliber, 26 in. smokeless steel half octagon taper barrel, half magazine, 5 shots, w't 7½ lbs., each★ .....**AGAE** $20.80

No. 3826 —38-55 caliber, 26 in. smokeless steel octagon taper barrel, 10 shots, w't 7½ lbs. .....each **AGAE** $20.80

Model 1893, Take Down.

Case-Hardened Frame, with "Smokeless Steel" Barrels.

No. 6406TD—30-30 caliber, 26 in. octagon barrel, 10 shots, w't 8⅛ lbs. .....each **BJAE** $25.25

No. 3226TD—32-40 caliber, 26 in. octagon barrel, 10 shots, w't 7¾ lbs.★ .....each **BJHE** $25.25

The special smokeless steel used in the manufacture of the barrel, receiver and breech bolt is guaranteed to be made according to the regulation specifications of the United States government for the new 30 caliber army rifle. Elastic limit seventy thousand lbs., tensile strength one hundred thousand to one hundred twenty thousand lbs., to the square inch. The Marlin Co. is the only one making the 32-40 and 38-55 rifle of the special smokeless steel, making these calibers just as strong and durable as the 30-30.

These Model 1893 rifles are quick handling, powerful, accurate guns, built in perfect proportion throughout, with the simplest and strongest mechanism used in any high power repeater. They are made especially to stand the continued use of high power smokeless loads with jacketed bullets, and are ideal guns for shooting bear, moose, deer and all American big game.



Model 1893 Carbine.

No. 8930—30-30 caliber, 20 in. round barrel with sling ring on left side of receiver, 7 shots, w't 6¼ lbs., each .....**ADHE** $18.00

Model 1893 carbines have the same construction as Model 1893 rifles shown above.

ALL ABOVE, TEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

REPEATING AND AUTO-LOADING RIFLES.

SAVAGE REPEATING.



Model 1899, Featherweight Takedown.

No. 7322-FTD—22 high power caliber, velocity 2,800 ft. per second, 20 in. round barrel, rubber shot gun butt, 6 shots, w't 6¼ lbs. .....each **BBCJ** $25.00

No. 7325-FTD—250-3,000 cal., velocity 3,000 ft. per second, high power, 22 in. round barrel, six shot, hammerless, with extra full checkered pistol grip and fore-arm, wind gauge rear sight, matted trigger, corrugated steel, butt plate, w't each 7 lbs. .....each **BFDJ** $30.00

The .250-3,000 Savage Rifle is designed along the same general lines as the .22 Savage High Power—which made and holds world's records for accuracy—but of larger caliber, with much higher velocity, flatter trajectory and greater range, accuracy and power. Tested and approved by the most highly respected authorities of the world. It will be found one of the most accurate sporting rifles on the market. Superior in actual efficiency and fully equal in perfection of finish to high priced special and imported rifles.

ONE IN A BOX.



Model 1899, Featherweight Take-Down.

No. 7320FTD—.303 caliber, 20 in. round barrel, w't 6¼ lbs., each ..... **BBCJ** $25.00

No. 7520FTD—30-30 caliber, 20 in. round barrel, w't 6¼ lbs., each ..... **BBCJ** $25.00



Model 1899, Solid Frame.

No. 7106 —25-35 cal., center fire, 26 in. round barrel, steel rifle butt-plate, 6 shots, w't 7½ lbs..each **AFGE** $18.00

No. 7302 —.303 cal., center fire, 22 in. round barrel, steel shot gun butt-plate, 6 shots, w't 6⅞ lbs., each **AFGE** $18.00

No. 7306 —.303 cal., center fire, 26 in. round barrel, steel rifle butt-plate, 6 shots, w't 7½ lbs..each **AFGE** $18.00

No. 7502 —30-30 cal., center fire, 22 in. round barrel, steel shot gun butt-plate, 6 shots, w't 7¼ lbs., each **AFGE** $18.00

No. 7506 —30-30 cal., center fire, 26 in. round barrel, steel rifle butt-plate, 6 shots, w't 7½ lbs..each **AFGE** $18.00

No. 7606½—30-30 cal., center fire, 26 in. half octagon barrel, steel rifle butt-plate, 6 shots, w't 7¾ lbs., each .....**AGHE** $19.50

No. 7406 —.303 cal., center fire, 26 in. octagon barrel, steel rifle butt-plate, 6 shots, w't 7¾ lbs..each **AGHE** $19.50

No. 7606 —30-30 cal., center fire, 26 in. octagon barrel, steel rifle butt-plate, 6 shots, w't 7¾ lbs..each.**AGHE** $19.50

Model 1899, Take-Down.

No. 7306TD—.303 caliber, center fire, 26 in. round barrel, steel rifle butt-plate, 6 shots, w't 7¾ lbs., each .....**AHIE** $21.50

No. 7302TD—.303 caliber, center fire, 22 in. round barrel, steel shot gun butt-plate, 6 shots, w't 7¼ lbs., each .....**AHIE** $21.50

No. 7506TD—30-30 caliber, center fire, 26 in. round barrel, steel rifle butt-plate, 6 shots, w't 7¾ lbs., each .....**AHIE** $21.50



Model 1899 Carbine, Solid Frame.

No. 7320—.303 caliber, center fire, 20 in. round barrel, 6 shots, w't 7¼ lbs.....each **AFGE** $18.00

No. 7520—30-30 caliber, center fire, 20 in. round barrel, 6 shots, w't 7¼ lbs.....each **AFGE** $18.00

ALL ABOVE, TEN IN A CASE.

REMINGTON REPEATING.



Hammerless, Take-Down, Solid Breech, High Power.

No. 1438—38 W. C. F. caliber, 22½ in. round special steel barrel, American walnut stock, half pistol grip, pressed steel, shot gun style butt-plate, buckhorn adjustable rear and new design copper bead front sights, 11 shots, w't about 6 ¾lbs.★.....each **AHAE** $19.00

No. 1444—44 W. C. F. caliber, otherwise same as No. 1438, each★ ..... **AHAE** $19.00

No. 1425—25 Rem. caliber, 22 in. special ordnance steel barrel, American walnut stock, half pistol grip, shot gun butt, rubber butt-plate, buckhorn adjustable rear and new design copper bead front sights, 6 shots, w't about 6 ¾lbs. ..... each **BJJJ** $20.00

No. 1430—30 Rem. caliber, otherwise same as No. 1425, each ..... **BJJJ** $20.00

No. 1432—32 Rem. caliber, otherwise same as No. 1425, each ..... **BJJJ** $20.00

No. 1435—35 Rem. caliber, otherwise same as No. 1425, each ..... **BJJJ** $20.00



Carbine, Hammerless, Take-Down, Solid Breech.

No. 2438—38 W. C. F. caliber, 18½ in. round special steel barrel, straight grip, oil finished satin wood stock, ring on left side of receiver, straight bar rear sight, 9 shots, w't abonut 6¼ lbs.★ .....each **AGEE** $18.50

No. 2444—44 W. C. F. caliber, otherwise same as No. 2438, each★ ..... **AGEE** $18.50

No. 2425—25 Rem. caliber, with or without ring on left side of receiver, 6 shots, otherwise same as No. 2444, each★ ..... **AICE** $19.50

No. 2430—30 Rem. caliber, 6 shots, otherwise same as No. 2444, each★ ..... **AICE** $19.50

No. 2432—32 Rem. caliber, with or without ring on left side receiver, 6 shots, otherwise same as No. 2444, each★ ..... **AICE** $19.50

No. 2435—35 Rem. caliber, with or without ring on left side of receiver, 6 shots, otherwise same as No. 2444, each★ ..... **AICE** $19.50

The new Remington Repeating Rifles shoot 38 or 44 W. C. F. caliber and 25, 30, 32 or 35 caliber Remington Autoloading Rimless Cartridges.

REMINGTON AUTO-LOADING.



Take-Down, Solid Breech, Hammerless, 5 shots.

No. 30—30 caliber, w't 7¾ lbs., otherwise same as No. 25, each ..... **BGHE** $30.00

No. 32—32 caliber, w't 7¾ lbs., otherwise same as No. 25, each★ ..... **BGHE** $30.00

No. 35—35 caliber, w't 7¾ lbs., otherwise same as No. 25, each ..... **BGHE** $30.00

Chambered for new 25, 30, 32 and 35 Remington Autoloading rimless central fire cartridges, smokeless powder, metal case and soft point.

ALL ABOVE TEN IN A CASE.

CARTRIDGE LOADING CLIPS.

No. 600-G—For Remington autoloading rifles, 30, 32 and 35 caliber .....per dozen **AAE** $1.20

When ordering clips be sure to specify caliber of cartridge for which they are desired.

★*FOR FACTORY SHIPMENT ONLY.*

REPEATING AND SELF-LOADING RIFLES.

WINCHESTER REPEATING.



Model 1892, Full Magazine, Fourteen Shots, Solid Frame.

No. 190—25-20 cal., 24 in. round barrel, w't 6¾ lbs., each ..... **ABGJ** $18.00
No. 191—25-20 cal., 24 in. octagon barrel, w't 7 lbs., each ..... **ACGE** $19.50
No. 192—32-20 cal., 24 in. round barrel, w't 6¾ lbs., each ..... **ABGJ** $18.00
No. 193—32-20 cal., 24 in. octagon barrel, w't 7 lbs., each ..... **ACGE** $19.50
No. 194—38-40 cal., 24 in. round barrel, w't 6¾ lbs., each★ ..... **ABGJ** $18.00
No. 195—38-40 cal., 24 in. octagon barrel, w't 7 lbs., each ..... **ACGE** $19.50
No. 196—44-40 cal., 24 in. round barrel, w't 6¾ lbs., each★ ..... **ABGJ** $18.00
No. 197—44-40 cal., 24 in. octagon barrel, w't 7 lbs., each★ ..... **ACGE** $19.50



Model 1892 Carbines, Round Barrel, Plain Trigger, Solid Frame.

No. 2020—25-20 cal., 20 in., 12 shots, w't about 5¼ lbs., each ..... **ABCE** $17.50
No. 2220—32-20 cal., 20 in., 12 shots, w't about 5¼ lbs., each ..... **ABCE** $17.50
No. 2420—38-40 cal., 20 in., 12 shots, w't about 5¼ lbs., each ..... **ABCE** $17.50
No. 2620—44-40 cal., 20 in., 12 shots, w't about 5¼ lbs., each ..... **ABCE** $17.50



Model 1894 Rifles.

No. 2306—25-35 cal., solid frame, 26 in. octagon barrel, 9 shots, w't 8 lbs..... each **AGCJ** $24.50
No. 2406—30-30 cal., solid frame, 26 in. round barrel, 9 shots, w't 8 lbs. ..... each **AFBE** $23.00
No. 2506—30-30 cal., solid frame, 26 in. octagon barrel, 9 shots, w't 8 lbs. .....each **AGCJ** $24.50
No. 2506½—30-30 cal., solid frame, 26 in. half octagon barrel, half magazine, shotgun butt, 5 shots, w't 7½ lbs., each ..... **AGFE** $25.00
No. 2506-TD—30-30 cal., take-down, 26 in. octagon barrel, 9 shots, w't 8 lbs.....each **BJHJ** $29.50
No. 2502—30-30 cal., solid frame, 20 in. octagon barrel, 7 shots, w't 7 lbs.....each **AGCE** $24.50



Model 1894 Rifles.

No. 2106—32 W. S. cal., solid frame, 26 in. octagon barrel, 9 shots, w't 8 lbs.....each **AGCE** $24.50
No. 2106½—32 W. S. cal., solid frame, 26 in. half octagon barrel, half magazine, shotgun butt, 5 shots, w't 7½ lbs., each ..... **AGFE** $25.00
No. 2106-TD—32 W. S. cal., 26 in. octagon barrel, take-down, 9 shots, w't 8 lbs.....each **BJHJ** $29.50
No. 3606—32-40 cal., solid frame, 26 in. round barrel, 9 shots, w't 7¼ lbs.....each **ABGJ** $18.00
No. 3706—32-40 cal., solid frame, 26 in. octagon barrel, 9 shots, w't 8 lbs.....each **ACGE** $19.50
No. 3806—38-55 cal., solid frame, 26 in. round barrel, 9 shots, w't 7½ lbs.....each **ABGJ** $18.00
No. 3906—38-55 cal., solid frame, 26 in. octagon barrel, 9 shots, w't 7¾ lbs.....each **ACGE** $19.50

ALL ABOVE, TEN IN A CASE.

WINCHESTER REPEATING.



Model 1894 Carbines, Round Barrel, Plain Trigger, Solid Frame,

No. 2320—25-35 cal., 20 in. round barrel carbine, 7 shots, w't 6½ lbs. .....each **ADHJ** $21.00
No. 2720—30-30 cal., 20 in. round barrel carbine, 7 shots, w't 6½ lbs. .....each **ADHJ** $21.00
No. 2120—32 W. S. cal., 20 in. round barrel carbine, 7 shots, w't 6½ lbs. .....each **ADHJ** $21.00
No. 2820—38-55 cal., 20 in. round barrel carbine, 7 shots, w't 6½ lbs. .....each **ABCE** $17.50



Model 1886, Plain Trigger, Blued Solid Frame, Full Magazine.

No. 3404—33 cal., 24 in. nickel steel round barrel, 8 shots, ivory hunting front sight, w't about 7½ lbs., each ..... **AHFJ** $25.00



Model 1886, Plain Trigger, Blued Frame, Half Magazine, Take-Down.

No. 3404-TD—33 cal., 24 in. nickel steel round barrel, shotgun butt, 5 shots, ivory hunting front sight, w't about 7¾ lbs.....each **BBCJ** $30.00



Model 1895, Solid Frame.

No. 3048—30 U. S. Army cal., 28 in. round nickel steel barrel, 6 shots, w't 8¼ lbs.....each **BBCJ** $30.00
No. 2920—30 U. S. Army cal., 22 in. round nickel steel barrel carbine, plain trigger, 6 shots, w't 8 lbs., each ..... **BBCJ** $30.00
No. 3124—30 Government model '03 rimless, 24 in. round nickel steel barrel, 5 shots, w't about 8½ lbs., w't about 8½ lbs.★.....each **BBCJ** $30.00
No. 4054—405 cal., 24 in. round nickel steel barrel, 5 shots, w't about 8½ lbs.★ .....each **BBCJ** $30.00

Model 1895, Take-Down.

No. 3048-TD—30 U. S. Army cal., 28 in. round nickel steel barrel, 6 shots, w't 8¼ lbs★.....each **BDAE** $32.50
No. 5024-TD—35 cal., 24 in. round nickel steel barrel, 5 shots, w't 8¼ lbs★.....each **BDAE** $32.50

WINCHESTER SELF-LOADING.



Model 1907, Take-Down.

No. 351—351 cal., 20 in. round nickel steel barrel, pistol grip, plain walnut stock, not checkered, 6 shots, w't 7¼ lbs., each .....**BJHJ** $28.00
Extra Magazines for No. 351.....each **AAJ** 1.50

Model 1910, Take-Down.

No. 401—401 cal., 20 in. round nickel steel barrel, 5 shots, plain walnut pistol grip stock and fore-arm, not checked, w't 8¼ lbs.....each **BDGE** $30.00
Extra Magazines.....each **AAJ** 1.50

ALL ABOVE, TEN IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

COLTS AUTOMATIC PISTOLS.

The action of these pistols is automatic, except that the trigger must be pulled to fire each shot, the cartridges being supplied from a detachable magazine inserted in the handle of the pistol. After the pistol is charged with a filled magazine, one opening movement is made by hand, bringing the first cartridge into the chamber. On pulling the trigger the cartridge is fired, the empty shell extracted, and a new cartridge loaded into the chamber, all these operations taking place automatically. This automatic operation of the pistol is effected by the recoil of the moving parts, and as a consequence the recoil is so absorbed in being utilized that it has no disturbing effect.

The arm has three safety devices. Its accuracy and durability are unquestioned.



Vest Pocket Model, Hammerless.

No. C1—25 cal., 6 shots, 2 in. barrel, length over all 4½ in., blued finish, w't 13 oz.....each **A A J J** $13.30

No. C1N—Nickel plated, otherwise same as No. C1....each **A A J J** $13.30

No. C1N97—Nickel plated, fitted with fine quality pearl stocks, otherwise No. C1 .....each **A B F E** $14.25

No. C197—Blued, fitted with fine quality pearl stocks, otherwise same as same as No. C1....each **A B F E** $14.25

Extra Magazines, 25 cal., each **E J** $0.60



Vest Pocket Model, Hammerless.

No. C1NP—25 cal. nickel plated, **Colt genuine pearl stocks,** fitted **with medallion monogram,** 6 **shots, 2 in.** barrel, length over all 4½ in., w't 13 oz.....each **A C E J** $15.50

Extra Magazines, 25 cal., each **E E** $0.60



Pocket Model, Hammerless.

No. 6—32 cal., center fire, 8 shots, 3½ in., blued finish, length over all 6¾ in., w't 23 oz.....each **A D C J** $17.35

No. 380—380 cal., center fire, 7 shots, 3¾ in. barrel, blued finish, rubber stock, length over all 6¼ in., w't 23 oz.....each **A D H E** $20.00

Extra Magazines.

32 cal., for No. 6 pistol, each **F E** $0.75

380 cal., for No. 380 pistol, each .....**H J** .90



Target Model.

Chambered for 22 Long Rifle Rim Fire Cartridges (Lubricated Cartridges Only).

No. G22—22 long rifle rim fire caliber, 10 shots, 6½ in. barrel, blued finish, checked English walnut stocks, adjustable bead front and rear sights, length over all 10½ in., w't 28 oz., each .....**A F E J** $20.00

Extra Magazines, 22 long rifle rim fire caliber, for No. G22 pistols, each .....**H J** $0.90

With its long barrel, light trigger pull, splendid balance and adjustable target sights—the front sight adjustable for elevation and the rear for windage—it possesses all the advantages of a single-shot target pistol, with automatic action in addition, obviating the inconvenience of reloading for each shot and allowing rapid fire and snap shooting.

The pistol has a slide lock safety which when the hammer is cocked may be pushed upward, thus positively locking hammer and slide. This cannot be done when the hammer is down.. The safety acts as an indicator, showing whether or not the arm is cocked.

The slide may be removed readily from the frame, permitting easy cleaning of the barrel from the breech.

The grip or stock slants at a correct angle, giving the shooter the proper "hold" of the piece without wrist strain.

This pistol is automatic except that the trigger must be pulled to fire each shot, the cartridges being supplied from a detachable magazine inserted in the handle of the pistol. After the pistol is charged with a filled magazine one opening movement is made by hand, bringing the first cartridge into the chamber. On pulling the trigger the cartridge is fired, the empty shell extracted and a new cartridge loaded into the chamber, all these operations taking place automatically. This automatic operation of the pistol is effected by the recoil of the moving parts and as a consequence the recoil is so absorbed in being utilized that it has no disturbing effect.

ONE IN A BOX.



Pocket Model, Hammer.

No. C5—38 cal., center fire, 7 shots, 4½ in. blued barrel, length over all 7½ in., w't 32 oz..each **A H G J** $22.65

Extra Magazines, 38 cal., for Colt's pocket pistols .....each **H E** $0.95

A hammer model adapted in size for use as a pocket arm. A hard shooter.



Military Model, Hammer.

No. 7—38 cal., center fire, 8 shots, blued, 6 in. barrel, length over all 9 in., w't 38 oz....each **A I H J** $24.00

Extra Magazines, 38 cal., for Colt's military pistols .....each **H E** $0.95

In this Military Model, the slide remains open after firing the last cartridge. When reloading the arm in the above position, insert the magazine, then press downward the slide stop (illustrated above just rear of the trigger). The slide goes forward, inserting a cartridge without any movement of the slide by hand. The slide stop is operated by the thumb of the hand holding the pistol.



Military Model 1911, Hammer (Adopted by the U. S. Government as the Service Side Arm).

No. 45—45 cal., center fire 7 shots, full blued, checkered walnut stocks, 5 in. barrel, length over all 8½ in., w't 39 oz.....each **B J C E** $36.00

Extra Magazines, 45 cal., each ..... **A J J** $1.15

Use 45 U. S. Government, 230 grain bullet, or 45 Colt automatic, 200 grain bullet cartridges, both rimless and smokeless, full jacketed bullet. The slide remains open after firing the last cartridge in the magazine.

ACCIDENTAL DISCHARGE IS ABSOLUTELY IMPOSSIBLE WITH THE COLT AUTOMATIC PISTOLS.

AUTOMATIC PISTOLS.

SAVAGE.



Pocket Model, Hammer.

No. 15—32 cal., automatic, 11 shots (including one in the chamber), length of barrel, 4 in., length over all 6½ in., w't 19 oz.....each **ACGE** $16.70

Extra Magazines, for No. 15, 32 cal., each .....**EJ** $0.60

Use 32 cal. automatic smokeless cartridges.

The .32 Savage Automatic is a powerful, accurate and rapid fire pistol, which carries 10 cartridges in the magazine. An extra one may be placed in the chamber, giving the arm a capacity of 11 shots. The mechanism is semi-automatic or self-loading, in which the recoil of firing the cartridge extracts and ejects the empty shell, also cocks the pistol, reloading it in readiness for the next shot, to fire each of which the trigger must be pulled.



Model 1915 Hammerless.

No. 15-H—32 cal., automatic, grip safety, 10 shots, length of barrel 4¼ in., length over all 6½ in., w't 19 oz., each ..... **ADCJ** $17.50

Extra Magazines for No. 15-H 32 cal., each ..... **EE** $0.60

Use 32 cal. automatic smokeless cartridges.

No. 16—380 cal. automatic, grip safety, 9 shots, length of barrel 4¼ in., length over all 7 in., w't 21 oz., each ..... **ADHE** $18.50

Extra Magazines for No. 16, 380 cal., each ..... **EE** $0.60

Use 380 cal. automatic smokeless cartridges.

The new Model 1915 Savage Hammerless Automatic pistols, 32 and 380 caliber, in its new form is entirely hammerless, with the upper end of cocking lever covered, and the entire top of the breech plug enclosed which prevents the necessity or possibility of cocking or uncocking the pistol without retracting the bolt. The pistol is also fitted in addition to its regular intercepting safety, with grip safety, which positively locks the trigger and makes it impossible to discharge the arm unless the handle is grasped firmly by the shooter's hand, and it is also provided with a simple and effective Bolt Stop which holds the action of the pistol open when the last cartridge is fired.

HARRINGTON AND RICHARDSON.



Vest Pocket Model.

No. H25—25 caliber, hammerless, 6 shots,* 2 in. barrel, length over all 4½ in., blued finished, w't 12½ oz., each .....**J HH J** $10.50

Extra Magazines, for No. H25, 25 cal., each★ .....**DE** $0.50

Use 25 cal. automatic smokeless cartridges.

Simplicity of construction, strength and reliability of mechanism, light weight and compactness make this a thoroughly good pistol. A positive safety, locking the firing mechanism, is provided, so located that it can be conveniently operated by the right thumb.

For cleaning and oiling the pistol can be dismounted and assembled almost instantly and without the use of any tool.

SMITH AND WESSON.



No. S35—35 caliber, center fire, 7 shots, 4½ in. barrel, length over all 7⅜ in., blued finish, wood stock, w't 24 oz., each .....**AEDJ** $22.65

Easily cleaned. By pulling out trigger guard forward end is released and barrel is free to swing upward, allowing a clear view, not only of interior of barrel, but the locking mechanism of the bolt. By releasing joint pivot, barrel can be entirely removed from frame and bolt lifted out. By means of a sliding catch, the bolt, when operated manually, may be entirely disconnected from the heavy recoil spring.

Peters Ammunition.

(For 35 S. & W. Automatic.)

35 caliber, S. & W. Automatic, rimless, smokeless cartridges, w't of full metal cased bullet 78 grains, per M .....**AEFJ** $18.00

The above cartridge was designed especially for the new 35 S. & W. Automatic pistol.

MAUSER.



Pocket Model, Hammerless.

No. 2—25 cal., automatic, 10 shots, length of barrel 3⅛ in., length over all 5½ in., w't 15 oz., each .....

No. 3—32 cal., automatic, 9 shots, length of barrel 3½ in., length over all 6⅛ in., w't 21 oz.....

Extra Magazines, for Nos. 2 and 3, each .....

Use 25 and 32 cal. automatic smokeless cartridges.

These automatic pistols have no perceptible recoil. The trigger is easily pulled; safety device on side, and the hand is not encumbered aiming. The accuracy of these pistols at ranges suitable for hand fire arms is really marvelous, and it is also further increased by the comparatively long barrels. After last shot is fired breech remains open. Inserting a magazine filled with cartridges closes the breech and throws the first cartridge into the chamber. After a few shots have been fired and firing is to be discontinued, magazine is withdrawn, but one cartridge still remains in the barrel. With the magazine out of the pistol the trigger CAN NOT be pulled, even though a cartridge is in the barrel, thus making these pistols practically "fool proof." The rapidity of firing satisfies the severest demands that can be made.

LUGER.



Muzzle Velocity 1,150 Feet per Second, Maximum Range 2,000 Yards.

No. 9—7.65 M M or 30 cal., Luger, center fire, 8 shots, blued finish, walnut scored stock, 4⅝ in. barrel, length 9 in., w't 29 oz., each.....

No. 18—9 M M cal., center fire, 8 shots, blued finish, walnut scored stock, 4½ in. barrel, length 9 in., w't 29 oz., each .....

Extra Magazines, for Nos. 9 and 18, each .....

Ammunition, Smokeless.

(For Nos. 9 and 18 pistols.)

30 caliber, Luger, same size as 7.65 M M, soft point or metal case, 2000 in a case.....per M **BBEJ** $26.00

Made by The Peters Cartridge Co.

9 M M caliber, Luger, hollow point, 2000 in a case .....per M **BCDJ** $27.00

Remington U. M. C. make.

The Luger has fine appearance, good balance, simplicity of action, combined with rapid fire and wonderful accuracy. It operates on the link system. It has a magazine containing eight cartridges, which is held in the stock of the pistol. This magazine can be replaced in a moment.

★*FOR FACTORY SHIPMENT ONLY.*

COLT REVOLVERS.



Pocket Positive, Double Action, Jointless Frame, Simultaneous Ejection, Positive Lock, Six Shots, Center Fire, Rubber Stock.

No. 7232B—32 cal., blued, 2½ in. barrel, w't 15 oz. .....each **ABAJ** $14.60
No. 7332—32 cal., nickel finish, 3½ in. barrel, w't 16 oz. ..each **ABAJ** $14.60
No. 7332B—32 cal., blued, 3½ in. barrel, w't 16 oz. .....each **ABAJ** $14.60

Use 32 Colt Police Positive, also 32 S. & W. short and long cartridges only.



Police Positive Special, Jointless Frame, Simultaneous Ejection, Positive Lock, Six Shots, Center Fire, Rubber Stock, Double Action.

No. 7432WB—32-20 cal., blued finish, 4 in. barrel, w't 22 oz., each .....**ACBJ** $16.00
No. 7532WB—32-20 cal., blued finish, 5 in. barrel, w't 23 oz., each .....**ACBJ** $16.00
No. 7632WB—32-20 cal., blued finish, 6 in. barrel, w't 24 oz., each .....**ACBJ** $16.00
No. 7238S—38 cal., nickel plated, 4 in. barrel, w't 22 oz. ..each **ACBJ** $16.00
No. 7238SB—38 cal., blued finish, 4 in. barrel, w't 22 oz. ..each **ACBJ** $16.00
No. 7138S—38 cal., nickel plated, 5 in. barrel, w't 22 oz. ..each **ACBJ** $16.00
No. 7138SB—38 cal., blued finish, 5 in. barrel, w't 22 oz. ..each **ACBJ** $16.00
No. 7338SB—38 cal., blued finish, 6 in. barrel, w't 23 oz. ..each **ACBJ** $16.00

For 38 cal. revolvers use 38 cal. long or short Colt's or 38 S. and W. special full, mid range and gallery load cartridges. 32-20 cal. revolvers are adapted for 32-20 Winchester cartridges.



Police Positive Target, Jointless, Solid Frame, Swing-out Cylinder, Simultaneous Ejection, Positive Lock, Six Shots, Rubber Stock, Double Action.

No. 7922BT—22 W. R. F. cal., blued, 6 in. barrel, fitted with target sights, block rear sight, adjustable for windage, removable bead front sight, blade fastened by screw, w't 22 oz., each .....**ADCJ** $17.35
No. 7922SBT—22 cal., rim fire, short, long and long rifle, otherwise same as No. 7922BT .....each **ADCJ** $17.35
No. 7932BT—32 cal., blued, 6 in. barrel, fitted with target sights, w't 35 oz., each .....**ADCJ** $17.35

No. 7932BT uses 32 Colt Positive, also 32 S. & W. short and long cartriges only.



Police Positive, Double Action, Jointless Frame, Simultaneous Ejection, Positive Lock, Six Shots, Center Fire, Rubber Stock.

No. 7832BP—32 cal., blued, 4 in. barrel, for Colt's Police Positive and 32 S. & W. cartridges only, w't 18 oz., each .....**AGBJ** $16.00
No. 7732BP—32 cal., blued, 5 in. barrel, for Colt's Police Positive and 32 S. & W. cartridges, w't 20 oz., each .....**ACBJ** $16.00
No. 7932BP—32 cal., blued, 6 in. barrel, for Colt's Police Positive and S. & W. cartridges only, w't 22 oz., each .....**ACBJ** $16.00
No. 7238—38 cal., nickel, 4 in. barrel, w't 20 oz. .....each **ACBJ** $16.00
No. 7238B—38 cal., blued, 4 in. barrel, w't 20 oz. .....each **ACBJ** $16.00
No. 7138B—38 cal., blued, 5 in. barrel, w't 22 oz. .....each **ACBJ** $16.00
No. 7338B—38 cal., blued, 6 in. barrel, w't 24 oz. .....each **ACBJ** $16.00

Nos. 7238 to 7338B, 38 Colt's Police Positive and 38 S. and W. cartridges only.



Army Special, Jointless Frame, Simultaneous Ejection, Positive Lock, Six Shots, Center Fire, Rubber Stock, Double Action.

No. 7532SB—32-20 cal., blued finish, 4 in. barrel, w't 34 oz., each .....**ADCJ** $17.35
No. 7632SB—32-20 cal., blued finish, 5 in. barrel, w't 36 oz., each .....**ADCJ** $17.35
No. 7832SB—32-20 cal., blued finish, 6 in. barrel, w't 37 oz., each .....**ADCJ** $17.35
No. 7538S—38 cal., nickel plated, 4 in. barrel, w't 33 oz. ..each **ADCJ** $17.35
No. 7538SB—38 cal., blued finish, 4 in. barrel, w't 33 oz. ..each **ADCJ** $17.35
No. 7638SB—38 cal., blued finish, 5 in. barrel, w't 34 oz. ..each **ADCJ** $17.35
No. 7738SB—38 cal., blued finish, 6 in. barrel, w't 35 oz. ..each **ADCJ** $17.35
No. 7441-SB—41 cal., blued finish, 4½ in. barrel, w't 31 oz., each **ADCJ** $17.35

Use 32-20 Winchester, 38 S. and W. Special, 38 long and short Colt and 41 long and short Colt cartridges.

The Army Special is a heavier model than the Police Positive Special.



New Service, Double Action, Jointless Frame, Simultaneous Ejection, Positive Lock, Center Fire, Six Shots, Rubber Stock, Blued Finish.

No. 7638B—38-40 cal., 5½ in. barrel, w't 42 oz. .....each **AEDJ** $18.70
No. 7838B—38-40 cal., 7½ in. barrel, w't 45 oz. .....each **AEDJ** $18.70
No. 7744B—44-40 cal., 7½ in. barrel, w't 45 oz. .....each **AEDJ** $18.70
No. 7545B—45 cal., 4½ in. barrel, w't 41 oz. .....each **AEDJ** $18.70
No. 7745B—45 cal., 7½ in. barrel, w't 42 oz. .....each **AEDJ** $18.70

Use 38-40, 44-40, and 45 Colt's cartridges.



New Officers' Model, Double Action.

No. 7638-BT—38 cal., center fire, 6 shots, blued finish, checkered walnut stock, 5 in. barrel, w't 34 oz., each .....**AGFJ** $21.30
No. 7738BT—38 cal., center fire, 6 shots, blued finish, checkered walnut stock, 6 in. barrel, w't 34 oz., each .....**AGFJ** $21.30
No. 7938BT—7½ in. barrel, w't 35 oz., otherwise the same as No. 7738BT, each .....**AGFJ** $21.30

Use 38 long Colt and 38 S. and W. Special Full, Mid Range and Gallery Load cartridges.



Single Action, Army or Frontier, Center Fire, Six Shots, Rubber Stock, Blued Finish.

No. 8132S—32 cal., 4¾ in. barrel, w't 40 oz. .....each **ADCJ** $17.35
No. 8132M—32 cal., 5½ in. barrel, w't 42 oz. .....each **ADCJ** $17.35
No. 8132L—32 cal., 7½ in. barrel, w't 42 oz. .....each **ADCJ** $17.35
No. 8145S—45 cal., 4¾ in. barrel, w't 36 oz. .....each **ADCJ** $17.35
No. 8145M—45 cal., 5½ in. barrel, w't 37 oz. .....each **ADCJ** $17.35

Use 32-20, 44-40 and 45 Colt cartridges.

SMITH & WESSON REVOLVERS.



Double Action, Perfected, Hinge Pattern, Automatic Ejector, Center Fire, Rubber Stock, Five Shots.

No. 9238—38 cal., blued, 3¼ in. barrel, w't 17 oz. .....each **ADJE** $17.35
No. 9338—38 cal., nickel, 3¼ in. barrel, w't 17 oz. .....each **ADJE** $18.70
No. 9438—38 cal., blued, 4 in. barrel, w't 17¼ oz. .....each **ADJE** $17.35
No. 9538—38 cal., nickel, 4 in. barrel, w't 17¼ oz. .....each **ADJE** $18.70

Adapted for 38 S. and W. cartridges.



Hinge Pattern, Automatic Ejector, Center Fire, Rubber Stock, Five Shots, Double Action,

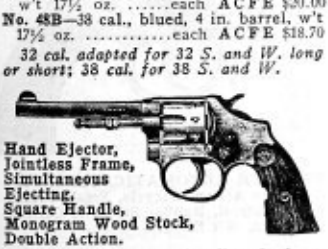
No. 9232—32 cal., blued, 3 in. barrel, w't 13 oz .....each **ABBJ** $16.00
No. 9332—32 cal., nickel, 3 in. barrel, w't 13 oz.....each **ABBJ** $17.35



New Departure, Hammerless, Safety Attachment, Center Fire, Five Shots, Rubber Stock, Double Action.

No. 32N—32 cal., nickel, 3 in. barrel, w't 14¼ oz.....each **ABIE** $18.70
No. 32B—32 cal., blued, 3 in. barrel, w't 14¼ oz. .....each **ABIE** $17.35
No. 38N—38 cal., nickel, 3¼ in. barrel, w't 17 oz. ..... each **ACFE** $20.00
No. 38B—38 cal., blued, 3¼ in. barrel, w't 17 oz. .....each **ACFE** $18.70
No. 48N—38 cal., nickel, 4 in. barrel, w't 17½ oz. .....each **ACFE** $20.00
No. 48B—38 cal., blued, 4 in. barrel, w't 17½ oz. .....each **ACFE** $18.70

32 cal. adapted for 32 S. and W. long or short; 38 cal. for 38 S. and W.



Hand Ejector, Jointless Frame, Simultaneous Ejecting, Square Handle, Monogram Wood Stock, Double Action.

No. 6422SB—22 cal., rim fire, 7 shots, blued, 3½ in. barrel, w't 10½ oz., each ..... **ABFE** $16.00
No. 6522SB—22 cal., rim fire, 7 shots, nickel, 3½ in. barrel, w't 10½ oz., each★ .....**ABFE** $17.35

Adapted for 22 short and long and 22 S. and W.



Model 1911, Heavy Frame Target, Hand Ejector, Jointless Frame, Simultaneous Ejecting, Double Action.

No. 6822SBT—22 cal., short, long, long rifle and extra long cartridges, 6 shots, blued, 6 in. barrel, square checkered wood stock, inlaid with S. & W. gold monogram, fitted with S. & W. target sights, w't 23 oz., each ..... **AEDJ** $21.35

Use 22 short, long, long rifle and extra long cartridges.



No. 9022—22 cal., single shot, 10 in. barrel, blued finish, checked wood stock, shoots 22 short, 22 long and 22 long rifle either black or semi-smokeless, w't each 26 oz.....each **ACBJ** $20.00

This arm contains the new design lockwork which gives a perfect pull.



Hand Ejector, Model 1903, Jointless Frame, Simultaneous Ejecting, Six Shots, Rubber Stock, Round Handle, Double Action.

No. 6432—32 cal., blued, 3¼ in. barrel, w't 17¼ oz. .....each **ADJE** $17.35
No. 6532—32 cal., nickel, 3¼ in. barrel, w't 17¼ oz. .....each **ADJE** $18.70
No. 6632—32 cal., blued, 4¼ in. barrel, w't 18½ oz. .....each **ADJE** $17.35
No. 6732—32 cal., nickel, 4¼ in. barrel, w't 18½ oz. .....each **ADJE** $18.70
No. 6832—32 cal., blued finish, 6 in. barrel, w't 20 oz., each **ADJE** $17.35

Military and Police, Model 1902, Jointless Frame, Simultaneous Ejecting, Six Shots, Round Handle, Rubber Stock, Double Action.

No. 6438—38 cal., blued, 4 in. barrel, w't 29 oz. .....each **ADIE** $20.00
No. 6538—38 cal., nickel, 4 in. barrel, w't 29 oz. .....each **ADIE** $21.30
No. 6838—38 cal., blued, 6 in. barrel, w't 32 oz. .....each **ADIE** $20.00
No. 6938—38 cal., nickel, 6 in. barrel, w't 31 oz. ..... each **ADIE** $21.30

32 caliber adapted for 32 cal. S. and W. long or short. 38 caliber adapted for 38 S. and W. Special and 38 long Colt's.



No. 6638.

Military and Police, Model 1902, Jointless Frame, Simultaneous Ejecting, Six Shots, Round Handle, Rubber Stock, Double Action.

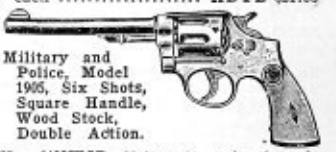
No. 6638—38 caliber, blued, 5 in. barrel, w't each 30 oz. .....**ADIE** $20.00
No. 6738—38 caliber, nickel 5 in. barrel, w't each 30 oz. .....**ADIE** $20.00



No. 6632-WSB.

Military and Police, Model 1905, Jointless Frame, Simultaneous Ejecting, Six Shots, Square Handle, Wood Stock, Double Action.

No. 6532-WSB—32-20 caliber, nickel, 4 in. barrel, w't each 30¼ oz., each ..... **ADIE** $21.30
No. 6632-WSB—32-20 caliber, blued, 5 in. barrel, w't each 31½ oz., each ..... **ADIE** $21.30
No. 6732-WSB—32-20 caliber, nickel, 5 in. barrel, w't each 31½ oz., each ..... **ADIE** $21.30
No. 6638-SB—38 caliber, blued, 5 in. barrel, w't each 30 oz., each ..... **ADIE** $21.30
No. 6738-SB—38 caliber, nickel, 5 in. barrel, w't each 30 oz., each ..... **ADIE** $21.30



Military and Police, Model 1905, Six Shots, Square Handle, Wood Stock, Double Action.

No. 6432WSB—32-20 cal., 4 in. barrel, blued, w't 30¼ oz., each **ADIE** $21.30
No. 6832WSB—32-20 cal., 6 in. barrel, blued, w't 32½ oz., each **ADIE** $21.30
No. 6438SB—38 cal., 4 in. barrel, blued, w't 29 oz. .....each **ADIE** $21.30
No. 6538SB—38 cal., 4 in. barrel, nickel, w't 29 oz. .....each **ADIE** $22.65
No. 6838SB—38 cal., 6 in. barrel, blued, w't 31½ oz. .....each **ADIE** $21.30
No. 6838SBT—38 cal., 6 in. barrel, blued, fitted with Payne front and rear sights, w't 31½ oz., each **AGFJ** $23.30

32-20 caliber adapted for 32-20 Marlin 38 caliber adapted for 38 S. and W. Special and 38 long Colt's.



Model 1908, Hand Ejector, Double Action.

No. 6844SB—44 cal., 6 shots, 6½ in. barrel, blued, checked wood stock, square handle, w't 38¼ oz., each ..... **AFGJ** $26.70

Adapted for 44 S. and W. Special or 44 S. and W. Russian cartridges.

HARRINGTON & RICHARDSON REVOLVERS.



Victor, Young America, Small Frame, Double Action, Nickel Plated, Rubber Stock.

No. 1722—22 caliber, rim fire, seven shots, 2 in. round barrel, w't each 8 oz. .....each **ADJ** $2.50

Uses 22 short or long cartridges.

No. 1732—32 caliber, center fire, five shots, 2 in. round barrel, w't each 9 oz. .....each **ADJ** $2.50

Uses 32 S. & W. cartridges.

No. 1738—38 caliber, center fire, five shots, 2½ in. round barrel, w't each 15 oz. .....each **ADJ** $2.50

Uses 38 S. & W. cartridges.

ONE IN A CARDBOARD BOX.



YOUNG AMERICA, Small Frame, Double Action, Nickel Plated, Rubber Stock, 2 in. Octagon Barrel.

No. 4122—22 caliber, **rim fire**, 7 shots, w't 8 oz. .....each **AGE** $2.90

No. 4332—32 caliber, **center fire**, 5 shots, w't 9 oz. .....each **AGE** $2.90

Use 22 short or long and 32 S. & W. cartridges.



AMERICA, Center Fire, Double Action, Large Frame, Nickel Plated, Rubber Stock, Octagon Barrel, W't 16 Oz.

No. 2632—32 caliber, 6 shots, 2½ in. barrel .....each **AFE** $2.90

No. 2932—32 caliber, 6 shots, 4½ in. barrel .....each **AIJ** $3.20

No. 2638—38 caliber, 5 shots, 2½ in. barrel .....each **AGE** $2.90

No. 2938—38 caliber, 5 shots, 4½ in. barrel .....each **AIJ** $3.20



YOUNG AMERICA, Center Fire, Safety Hammer, Double Action, Small Frame, Nickel Plated, Rubber Stock, Octagon Barrel.

No. 3132—32 caliber, 5 shots, 2 in. barrel, w't 9 oz. .....each **AGE** $2.90

No. 5132—32 caliber, 6 shots, 2½ in. barrel, w't 16 oz. .....each **AGE** $2.90

No. 5138—38 caliber, 5 shots, 2½ in. barrel, w't 15 oz. .....each **AGE** $2.90

Use 32 S. & W. short, C. F. and 38 S. & W. cartridges.



VEST POCKET, Safety Hammer, Small Frame, Double Action, 1⅛ in. Barrel, Nickel Plated, Rubber Stock.

No. 3322—22 caliber, rim fire, 7 shots, w't 7 oz. .....each **AGE** $2.90

No. 3232—32 caliber, center fire, 5 shots, w't 8 oz. .....each **AGE** $2.90



Double Action, Nickel Plated, Rubber Stock, 2½ in. Octegan Barrel.

Model 1906.

No. 2122—22 caliber, **rim fire**, 7 shots, w't 10 oz. .....each **AIJ** $3.20

Model 1905.

No. 2132—32 caliber, **center fire**, 5 shots, nickel plated, w't 11 oz., each .....**AIJ** $3.20

Use 22 short or long and 32 S. & W. cartridges.



MODEL 1904, Center Fire, Double Action, Rubber Stock, Octagon Barrel. 2½ in. Barrel, Nickel Plated.

No. 4132—32 caliber, 6 shots, w't 16 oz., each .....**AIJ** $3.20

No. 4138—38 caliber, 5 shots, w't 16 oz., each .....**AIJ** $3.20

2½ in. Barrel, Blued Finish.

No. 4132-B—32 caliber, 6 shots, w't 16 oz., each .....**BAJ** $3.50

No. 4138-B—38 caliber, 5 shots, w't 16 oz., each .....**BAJ** $3.50

4½ in. Barrel, Nickel Plated.

No. 4232—32 caliber, 6 shots, w't 17 oz., each .....**BAJ** $3.50

No. 4238—38 caliber, 5 shots, w't 17 oz., each .....**BAJ** $3.50

4½ in. Barrel, Blued Finish.

No. 4232-B—32 caliber, 6 shots, w't 17 oz., each .....**BCJ** 3.80

No. 4238-B—38 caliber, 5 shots, w't 17 oz., each .....**BCJ** 3.80

Use 32 S. & W. and 38 S. & W. cartridges.



PREMIER AUTOMATIC, Center Fire, Double Action, Bicycle, Small Frame, 2 in. Barrel, Rubber Stock, 32 Caliber, 5 Shots, W't 12 Oz.

No. 4532—Nickel.....each **CBJ** $5.30

No. 4532-B—Blued finish, each .....**CDJ** 5.70

Use 32 S. & W. cartridges.

22 CALIBER REVOLVERS ARE ADAPTED FOR 22 SHORT OR LONG RIM FIRE; 32 CAL., FOR 32 S. & W. SHORT CENTER FIRE, 38 CAL., FOR 38 S. & W. CENTER FIRE CARTRIDGES.

REVOLVERS.

HARRINGTON & RICHARDSON.



HAMMER, Premier Small Frame, Automatic Double Action, Rubber Stock.

3 in. Barrel, Nickel Plated.

No. 4622—22 caliber, 7 shots, w't 13 oz., each ..... **CBJ** $5.30

No. 4632—32 caliber, 5 shots, w't 12 oz., each ..... **CBJ** $5.30

3 in. Barrel, Blued Finish.

No. 4622-B—22 caliber, 7 shots, w't 13 oz., each ..... **CDJ** $5.70

No. 4632-B—32 caliber, 5 shots, w't 12 oz., each ..... **CDJ** $5.70

5 in. Barrel, Nickel Plated.

No. 5922—22 caliber, 7 shots, w't 14 oz., each ..... **CFE** $6.10

No. 5932—32 caliber, 5 shots, w't 13 oz., each ..... **CFE** $6.10

5 in. Barrel, Blued Finish.

No. 5932—32 caliber, 7 shots, w't 14 oz., each ..... **CIJ** $6.50

Use 22 short or long and 32 S. & W. cartridges.



HAMMER, Regular Automatic, Double Action, Rubber Stock.

3¼ Inch Barrel, Nickel.

No. 4732—32 cal., 6 shots, w't 16 oz., each ..... **BIJ** $5.30

No. 4738—38 cal., 5 shots, w't 15 oz., each ..... **BIJ** $5.30

3¼ Inch Barrel, Blued.

No. 4732-B—32 cal., 6 shots, w't 16 oz., each ..... **CAE** $5.70

No. 4738-B—38 cal., 5 shots, w't 15 oz., each ..... **CAE** $5.70

4 Inch Barrel, Nickel.

No. 4832—32 cal., 6 shots, w't 18 oz., each ..... **CAE** $5.70

No. 4838—38 cal., 5 shots, w't 17 oz., each ..... **CAE** $5.70

4 Inch Barrel, Blued.

No. 4832-B—32 cal., 6 shots, w't 18 oz., each ..... **CCE** $6.10

No. 4848-B—38 cal., 5 shots, w't 17 oz., each ..... **CCE** $6.10

5 Inch Barrel, Nickel.

No. 4932—32 cal., 6 shots, w't 19 in., each ..... **CCE** $6.10

No. 4938—38 cal., 5 shots, w't 18 oz., each ..... **CCE** $6.10

5 Inch Barrel, Blued.

No. 4932-B—32 cal., 6 shots, w't 19 oz., each ..... **CFJ** $6.50

No. 4938-B—38 cal., 5 shots, w't 18 oz., each ..... **CFJ** $6.50

Nos. 4732, 4732-B, 4832, 4832-B, 4932 and 4932-B also adapted for 32 S. & W. long center fire cartridges.

HARRINGTON & RICHARDSON.



HAMMERLESS Automatic, Double Action, Rubber Stock.

2 Inch Barrel, Nickel.

No. 5432—32 cal., 5 shots, w't 12 oz., each ..... **CEJ** $6.30

2 Inch Barrel Blued.

No. 5432-B—32 cal., 5 shots, w't 12 oz., each ..... **CGJ** $6.70

3 Inch Barrel, Nickel.

No. 5522—22 cal., 7 shots, w't 13 oz., each ..... **CEJ** $6.30

No. 5532—32 cal., 5 shots, w't 13 oz., each ..... **CEJ** $6.30

3 Inch Barrel, Blued.

No. 5522-B—22 cal., 7 shots, w't 13 oz., each ..... **CGJ** $6.70

No. 5532-B—32 cal., 5 shots, w't 13 oz., each ..... **CGJ** $6.70

3¼ Inch Barrel, Nickel.

No. 5538—38 cal., 5 shots, w't about 17 oz. each ..... **CEJ** $6.30

3¼ Inch Barrel, Blued.

No. 5538-B—38 cal., 5 shots, w't about each ..... **CGJ** $6.70

4 Inch Barrel, Blued.

No. 5638-B—38 cal., 5 shots, w't 18 oz., each ..... **CIJ** $7.10



Gold Finished Cylinder, Pearl Handle, Automatic Double Action, Nickel Plated.

Hammer.

No. 4622-GCP—22 caliber, Premier small frame, 3 in. barrel, 7 shots, w't 13 oz., each ..... **EAJ** $8.50

No. 4632-GCP—32 caliber, Premier small frame, 3 in. barrel, 5 shots, w't 12 oz., each ..... **EAJ** $8.50

No. 4738-GCP—38 caliber, 3¼ in. barrel, 5 shots, w't 15 oz. ....each **EAJ** $8.50

Hammerless.

No. 5522-GCP—22 caliber, 3 in. barrel, 7 shots, w't 13 oz. ....each **EGJ** $9.50

No. 5532-GCP—32 caliber, 3 in. barrel, 5 shots, w't 13 oz. ....each **EGJ** $9.50

No. 5538-GCP—38 caliber 3¼ in. barrel, 5 shots, w't 17 oz. ....each **EGJ** $9.50

Use 32 S. & W. and 38 S. & W. cartridges.

IVER JOHNSON.



Double Action, 2 Inch Barrel.

No. 3332—32 cal., 5 shots, nickel, rubber stock, w't 12 oz.....each **DDJ** $8.00

Double Action, 3 Inch Barrel, Rubber Stock.

No. 3722—22 cal., 7 shots, nickel, w't 13 oz. .....each **DDJ** $8.00

No. 3722-B—22 cal., 7 shots, blued, w't 13 oz. .....each **DGJ** $8.50

No. 3732—32 cal., 5 shots, nickel, w't 13½ oz. .....each **DDJ** $8.00

No. 3732-B—32 cal., 5 shots, blued, w't 13½ oz. .....each **DGJ** $8.50

Double Action, 3¼ Inch Barrel, Rubber Stock.

No. 3738—38 cal., 5 shots, nickel, w't 18½ oz. .....each **DDJ** $8.00

No. 3738-B—38 cal., 5 shots, blued, w't 18½ oz. .....each **DGJ** $8.50

Double Action, 4 Inch Barrel, Rubber Stock.

No. 3832—32 cal., 5 shots, nickel, w't 13 oz. .....each **DGJ** $8.50

No. 3832-B—32 cal., 5 shots, blued, w't 13 oz. .....each **DIE** $9.00

No. 3838—38 cal., 5 shots, nickel, w't 18 oz. .....each **DGJ** $8.50

No. 3838-B—38 cal., 5 shots, blued, w't 18 oz. .....each **DIE** $9.00

Double Action, 5 Inch Barrel, Rubber Stock.

No. 3922—22 cal., 7 shots, nickel, w't 14½ oz. .....each **DIE** $9.00

No. 3922-B—22 cal., 7 shots, blued, w't 14½ oz. .....each **EBJ** $9.50

No. 3932-B—32 cal., 5 shots, blued, w't 14½ oz. .....each **EBJ** $9.50

No. 3938-B—38 cal., 5 shots, blued, w't 18½ oz. .....each **EBJ** $9.50

Double Action, 6 Inch Barrel, Rubber Stock.

No. 6022—22 cal., 7 shots, nickel, w't 14½ oz. .....each **EBJ** $9.50

No. 6022-B—22 cal., 7 shots, blued, w't 14½ oz. .....each **JEEJ** $10.00

No. 6022-BG—22 cal., 7 shots, blued, w't 14½ oz., fitted with one piece walnut western grip .....each **JFCE** $11.50

No. 6032—32 cal., 5 shots, nickel, w't 14 oz. .....each **EBJ** $9.50

No. 6032-B—32 cal., 5 shots, blued, w't 14 oz. .....each **JEEJ** $10.00

No. 6038-B—38 cal., 5 shots, blued, w't 20 oz. .....each **JEEJ** $10.00

22 CALIBER REVOLVERS ARE ADAPTED FOR 22 SHORT OR LONG RIM FIRE; 32 CAL., FOR 32 S. & W. SHORT, CENTER FIRE, 38 CAL., FOR 38 S. & W. CENTER FIRE CARTRIDGES.

REVOLVERS

IVER JOHNSON.



Model 1900, Double Action, Octagon Barrel, Nickel Plated, Rubber Stock.

No. 1422—22 cal., long rim fire, 7 shots, 2½ in. barrel, w't 8 oz., each .....AGE $3.20

No. 1432—32 cal., long rim fire, 5 shots, 2½ in. barrel, w't 12 oz., each .....AGE $3.20

No. 1532—32 cal.,center fire, 5 shots, 2½ in. barrel, w't 12 oz., each .....AGE $3.20



Safety Hammer, Double Action, Walnut Western Grip, 3 Inch Barrel.

No. 3732-G—32 cal., 5 shots, nickel plated, w't 13 oz. .....each EBJ $9.50

Double Action, Walnut Western Grip, 4 Inch Barrel.

No. 3838-BG—38 cal., 5 shots, blued, w't 18 oz. .....each JEHJ $10.50



Special Large Frame, Six Shots, Safety Hammer Automatic.

No. 3832-SG—32 cal., nickel, 4 in. barrel, with western walnut grip, w't 20 oz., each .....JEEJ $10.00

No. 3832-SBG—32 cal., blued, 4 in. barrel, with western walnut grip, w't 20 oz., each .....JEHJ $10.50

This special model will shoot 32 long S. & W. or 32 Colt New Police, as well as the regular 32 S. & W. cartridges. Also adapted for 32 S. & W. Long Center Fire Cartridges.

IVER JOHNSON.



Safety, Hammerless Automatic, Double Action, 3 Inch Barrel, Rubber Stock.

No. 3522—22 cal., rim fire, 7 shots, nickel plated, w't 13 oz.....each DIE $9.00

No. 3522-B—22 cal., rim fire, 7 shots, blued finish, w't 13 oz., each .....EBE $9.50

No. 3532—32 cal., center fire, 5 shots, nickel plated, w't 14 oz., each .....DIE $9.00

No. 3532-B—32 cal., center fire, 5 shots, blued finish, w't 14 oz., each .....EBE $9.50

Safety, Hammerless Automatic, Double Action, 3¼ Inch Barrel, Center Fire, Five Shots, Rubber Stock.

No. 3538—38 cal., nickel plated, w't 19 oz. .....each DIE $9.00

No. 3538-B—38 cal., blued finish, w't 19 oz. .....each EBE $9.50

Safety, Hammerless Automatic, Double Action, 4 Inch Barrel, Center Fire, Five Shots, Rubber Stock.

No. 3632—32 cal., nickel plated, w't 14 oz. .....each EBE $9.50

No. 3632-B—32 cal., blued finish, w't 14 oz. .....each JEEJ $10.00

No. 3638—38 cal., nickel plated, w't 18 oz. .....each EBE $9.50

No. 3638-B—38 cal., blued finish, w't 18 oz. .....each JEEJ $10.00



Safety, Hammerless Automatic, Double Action, 5 Inch Barrel, Center Fire, Five Shots, Rubber Stock.

No. 3438-B—38 cal., blued finish, w't 20 oz. .....each JEHJ $10.50

IVER JOHNSON.



Forehand Model, Regular Automatic, Double Action, Rubber Handle.

3 Inch Barrel, Nickel Plated, Hammer.

No. 232—32 cal., center fire, 5 shots, w't 13 oz. .....each BFJ $4.70

3 Inch Barrel, Blued, Hammer.

No. 232-B—32 cal., center fire, 5 shots, w't 13 oz. .....each BHE $5.20

3¼ Inch Barrel, Nickel Plated, Hammer.

No. 132—32 cal., center fire, 6 shots, large frame, w't 18 oz., each .....BFJ $4.70

3¼ Inch Barrel, Blued, Hammer.

No. 132-B—32 cal., center fire, 6 shots, large frame, w't 18 oz., each .....BHE $5.20

No. 238—38 cal., center fire, 5 shots, w't 18 oz. .....each BFJ $4.70

No. 238-B—38 cal., center fire, 5 shots, w't 18 oz. .....each BHE $5.20

3 In.Barrel, Nickel Plated, Hammerless.

No. 332—32 cal., center fire, 5 shots, w't 13 oz. .....each CAE $5.70

3 Inch Barrel, Blued, Hammerless.

No. 332-B—32 cal., center fire, 5 shots, w't 13 oz. .....each CDJ $6.20

3¼ Inch Barrel, Nickel Plated, Hammerless.

No. 338—38 cal., center fire, 5 shots, w't 18 oz. .....each CAE $5.70

3¼ Inch Barrel, Blued, Hammerless.

No. 338-B—38 cal., center fire, 5 shots, w't 18 oz. .....each CDJ $6.20

U. S.



Double Action.

No. 1622—22 caliber, rim fire, nickel plated rubber stock, 7 shots, 2¼ in. barrel, w't 8 oz..each AEJ $2.70

No. 1632—32 caliber, center fire, nickel plated, rubber stock, 5 shots, 2½ in barrel, w't 12 oz..each AEJ $2.70

No. 1638—38 caliber, center fire, nickel plated, rubber stock, 5 shots, 2½ in. barrel, w't 17 oz..each AEJ $2.70

Shoots 32 short or long rim fire, 32 S. & W. and 38 S. & W. cartridges.

REVOLVERS, DERRINGERS AND PISTOLS.

U. S. REVOLVERS.



Double Action, Automatic, Hammer, 5 Shots, Rubber Stock, 3 Inch Barrel.

No. 2722 —22 cal., 7 shots, nickel, w't 15 oz. ..... each **BF J** $4.70

No. 2722B—22 cal., 7 shots, blued, w't 15 oz. ..... each **BHE** $5.20

No. 2732 —32 cal., nickel, w't 14 oz., each ..... **BG J** $4.70

No. 2732B—32 cal., blued, w't 14 oz., each ..... **BHE** $5.20

No. 2738 —38 cal., nickel, w't 19 oz., each ..... **BF J** $4.70

No. 2738B—38 cal., blued, w't 19 oz., each ..... **BHE** $5.20

Shoot 22 short or 22 long rim fire; 32 S. & W. short, center fire and 38 S. & W. center fire cartridges.



Gold Finished Cylinder and Pearl Handle, Double Action, Automatic, Hammer, 3 Inch Barrel.

No. 2722GCP—22 cal., 7 shots, nickel, w't 15 oz. ..... each **DD J** $7.50

No. 2732GCP—32 cal., 5 shots, nickel, w't 14 oz. ..... each **DD J** $7.50

No. 2738GCP—38 cal., 5 shots, nickel, w't 19 oz. ..... each **DD J** $7.50

Hammerless, 3 Inch Barrel.

No. 2532GCP—32 cal., 5 shots, nickel, w't 14 oz. ..... each **DI J** $8.50

No. 2538GCP—38 cal., 5 shots, nickel, w't 17 oz. ..... each **DI J** $8.50

REMINGTON DERRINGERS.



Rim Fire, Two Shot, Checkered Rubber Stock, Length of Barrels 3 Inches, Length Over All 4¾ Inches.

No. 4N—41 caliber, nickel plated, w't 11 oz. ..... each **J F J E** $10.00

No. 4B—Blued, otherwise same as No. 4-N ..... each **J F J E** $10.00

Shoots 41 short rim fire cartridges.

Vest pocket size, especially handy for street protection. Gives two heavy calibered shots at short notice.

U. S. REVOLVERS.



Double Action, Automatic, Hammerless, 5 shots, Rubber Stock, 3 Inch Barrel.

No. 2532 —32 cal., nickel, w't 14 oz., each ..... **CAE** $5.70

No. 2532B—32 cal., blued, w't 14 oz., each ..... **CD J** $6.20

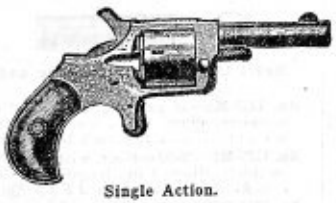
No. 2538 —38 cal., nickel, w't 16 oz., each ..... **CAE** $5.70

No. 2538B—38 cal., blued, w't 16 oz., each ..... **CD J** $6.20

Shoots 32 S. & W. short and 38 S. & W. center fire cartridges.

U. S. revolvers are guaranteed durable, made of the best material, correctly adjusted, and in every respect effective and accurate.

SMITH REVOLVERS.



Single Action.

No. 122—22 caliber, 7 shots, nickel plated, 2¼ in. barrel, plain cylinder, rubber stock, w't 8 oz., each **ABJ** $2.20

Shoots 22 long rim fire cartridges.

This is a splendid model for blanks, and for target practice. The size is adapted to boys and youths. It is strong enough to be safe and accurate enough to bring results.

STEVENS GALLERY PISTOLS.



Tip-Up Model.

3½ Inch Barrel with Plain Sight.

No. 10—22 caliber, rim fire, single shot, blued frame, blued barrel, plain walnut grip, w't 7 oz. ..... each **BBJ** $4.00

Shoots 22 short cartridges.



Diamond Model.

No. 11—22 caliber, rim fire, single shot, with open sights, blued barrel, blued frame, rosewood stock, 6 in. barrel, w't 9 oz. ..... each **CF J** $6.50

No. 12—22 caliber, rim fire, single shot, with globe front and peep rear sights, blued barrel, blued frame, rosewood stock, 6 in. barrel, w't 9½ oz. ..... each **CF J** $6.50

Shoots 22 long rifle cartridges.



Diamond Model.

No. 13 —22 caliber, rim fire, single shot, with open sights, 10 in. blued barrel, blued frame, rosewood stock, w't 12 oz. ..... each **DG J** $8.50

No. 14P—22 caliber, rim fire, single shot, with globe front and peep rear sights, 10 in. blued barrel, blued frame, rosewood stock, w't 10½ oz., each ..... **DG J** $8.50

Shoots 22 long rifle cartridges.



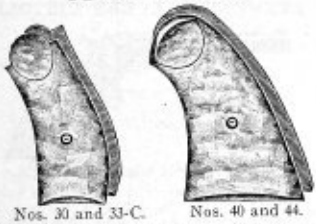
Off-Hand Target Model.

No. 35P—6 in. round barrel with octagon breech, blued frame, walnut stock, sporting rear and bead front sights, for 22 long rifle rim fire and 22 Stevens-Pope Armory rim fire cartridges, w't 1 lb. 6 oz., each ..... **J F J E** $10.00

No. 36P—8 in. round barrel with octagon breech, blued frame, walnut stock, sporting rear and bead front sights, for 22 long rifle rim fire and 22 Stevens-Pope Armory rim fire cartridges, w't 1 lb. 8 oz., each ..... **J F I J** $11.50

PEARL STOCKS AND MAXIM SILENCERS.

PEARL STOCKS.



Nos. 30 and 33-C. Nos. 40 and 44.

No. 30—For H. & R. automatic hammer, 32 and 38 caliber ..per pair **AEJ** $2.50

No. 30-A—For H. & R. hammerless, 38 caliber .....per pair **AEJ** $2.50

No. 30-B—For H. & R. Premier hammer, 22 and 32 caliber, per pair **AEJ** $2.50

No. 30-C—For H. &R. hammerless, 22 and 32 caliber ....per pair **AEJ** $2.50

No. 31—For U. S. hammer, 22 and 32 caliber .....per pair **AEJ** $2.50

No. 31-A—For U. S. hammer, 38 caliber, per pair .....**AEJ** $2.50

No. 31-B—For U. S. hammerless, 32 caliber .....per pair **AEJ** $2.50

No. 31-C—For U. S. hammerless, 38 caliber .....per pair **AEJ** $2.50

No. 32—For Iver Johnson D. A., 22 or 32 caliber, automatic hammer 22 or 32 caliber or hammerless 32 caliber, per pair .....**AEJ** $2.50

No. 32-A—For Iver Johnson automatic hammer and hammerless, 38 caliber, per pair .....**AEJ** $2.50

No. 33—For Smith & Wesson D. A., 22 caliber★ .....per pair **AEJ** $2.50

No. 33-A—For Smith & Wesson D. A. 32 caliber .....per pair **AEJ** $2.50

No. 33-B—For Smith & Wesson hammerless, 32 caliber ....per pair **AEJ** $2.50

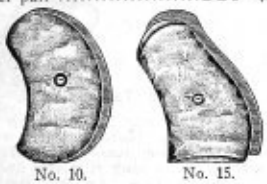
No. 33-C—For Smith & Wesson hammer or hammerless 38 caliber, or side ejector, 32 caliber ....per pair **AEJ** $2.50

No. 34—For S. & W. military revolvers, 32-20 or 38 caliber, per pr. **CJJ** $5.00

No. 35—For Smith & Wesson, military and police, 32-20 and 38 caliber, square butt .....per pair **CFJ** $6.00

No. 41—For Colt's new police, 32 and 38 caliber, and police positive special, 32-20 or 38 caliber, per pair **CCJ** $5.50

No. 44—For Colt's army special revolvers, 32-20, 38 and 41 caliber or New Officers' model 38 caliber, per pair .....**DEJ** $7.50



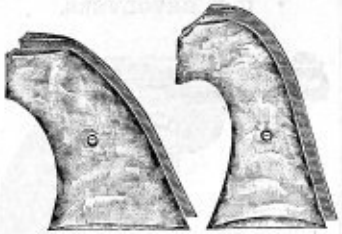
No. 10. No. 15.

No. 10—For Remington derringers, 41 caliber★ .....pe rpair **AEJ** $2.50

No. 15—For Young America hammer and safety hammer, 22 and 32 caliber, caliber .....per pair **AEJ** $2.50

No. 16—For young America, safety hammer, large frame, 32 and 38 caliber and America, 32 and 38 caliber, per pair★ .....**AEJ** $2.50

PEARL STOCKS.



Nos. 70, 95, 96 and 97. No. 80.

No. 70—For Colt's S. A. army or frontier revolvers, 32, 38, 41, 44 or 45 caliber, per pair★ .....**JHAJ** $13.50

No. 95—For Colt's automatic, 38 caliber, per pair .....**DBJ** $7.00

No. 96—For Colt's automatic, 32 or .380 caliber .....per pair **CCJ** $5.50

No. 97—For Colt's automatic, 25 caliber, per pair .....**BAJ** $3.50

No. 80—For Colt's Bisley model single action revolvers, 32, 38, 41, 44 or 45 caliber★ .....per pair **AJEJ** $17.50

TARGET GRIP STOCKS.



H. & R.

Rubber Target Grip Stocks, for Harrington & Richardson Automatic, Double Action and Premier revolvers, per pair **JFJ** $1.00

Be sure to specify whether for regular Automatic or Premier model revolvers.

Perfect Rubber Target Grips, for Iver Johnson 22 and 32 caliber revolvers, per pair .....**JFJ** $1.00

MAXIM SILENCERS.



Model 1912-22 Caliber Coupling and Silencer.

No. 1222-MS—22 caliber, with coupling complete, diam. 1 in., length 4¼ in., w't 5 oz. .....each **DEJ** $7.50

No. 1225-MS—25-20 caliber, with coupling complete, diam. 1 in., length 5 in., w't 7 oz.★ .....each **JFJJ** $10.00

No. 1232-MS—32-20 caliber, with coupling complete, diam. 1⅛ in., length 6¼ in., w't 12 oz.★ .....each **JFJJ** $10.00

WHEN ORDERING, SPECIFY MAKE AND MODEL OF RIFLE TO BE FITTED; WHETHER BARREL IS ROUND OR OCTAGON AND IF FULL OR HALF MAGAZINE.

The coupling for the 22, 25-20 and 32-20 caliber silencers, fit tight on the barrel.

The silencer attaches and detaches by a slight turn.

★*FOR FACTORY SHIPMENT ONLY.*

MAXIM SILENCERS.



22 Caliber High Power Coupling and Silencer.

No. 1233-MS—22 H. P. caliber, with clamp type coupling complete, for Savage 22 H. P. rifle, diam. 1 in., length 5¼ in., w't 7 oz., each .....**JGHJ** $13.00

The coupling for the silencer of this popular rifle locks on the barrel by means of a locking clamp. The silencer attaches and detaches very easily by a slight turn.

No. 1235-MS—High power silencers for any caliber rifle having front sight mounted upon base built into the barrel, diam. 1⅜ in., length 6¼ in., w't 12 oz.★ .....each **JHDJ** $14.00

This coupling locks fast to the barrel by means of a clamp.



25-35 Caliber Sight Type Coupling and Silencer.

No. 1236-MS—25-35 caliber, complete with sight type coupling, diam. 1 in., length 5½ in., w't 8 oz.★ each **JHDJ** $14.00

No. 1237-MS—25-35 caliber, complete with any caliber rifle having front sight dovetailed into barrel, diam. 1⅜ in., length 6¼ in., w't 12 oz., complete with sight type coupling, each★ .....**JHDJ** $14.00

WHEN ORDERING, SPECIFY MAKE AND MODEL OF RIFLE TO BE FITTED, WHETHER BARREL IS ROUND OR OCTAGON, IF FULL OR HALF MAGAZINE, FULL LENGTH MAGAZINES MUST BE SHORTENED TO MAKE ROOM FOR COUPLING.

Sight type couplings drive tight on the end of gun barrel after front sight has been removed from rifle. Coupling carries new front sight.

Fitting Silencers to rifle without coupling, by threading, extra, each .....**BDJ** $4.00

On all high power rifle barrels that are octagon or with which the magazine extends to the muzzle, the barrel must be threaded for the silencer.

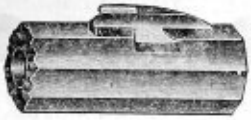
Couplings are supplied for attaching to all but high power octagon barrels.

No extra charge is made for fitting silencers to 22 caliber rifles (either round or octagon barrel) if coupling is used. Minimum charges for workmanship are made for other calibers, in no case in excess of the charge made for attaching by threading.

The silencer eliminates noise of gun report entirely although ammunition having bullet velocity of 1,100 feet per second will cause a "crack" by air flight after leaving the silencer. Two-thirds of the recoil is eliminated. Shot cartridges work perfectly and makes miniature trap shooting noiseless. The silencer is not recommended for use on revolvers, automatic rifles (excepting the model 1903-22 caliber Winchester) automatic pistols and shot guns.

RIFLE SIGHTS.

SHEARD'S GOLD ALLOY.



No. 101 Sight on Rifle Barrel.

Sheard's gold hunting or target front with gold and copper alloy bead. Will not blur, will show clear and distinct in the darkest timber in the most unfavorable light and improve shooting greatly. It is very strong and can be used with any open or peep rear sight.

No. 101—For Winchester rifles, models 1873, 1876 and 1886, all calibers except 33, 45-70 and 45-90 H. P. S. and light weights, Winchester single shot rifles all calibers except 30-40 U. S. A. and 22 cal. 1902 and 1904 models, Winchester 1895 model calibers 38-72 and 40-72, Marlin rifles model 27, 25-20 and 32-20 cal., models 1892, 1893, 1894 and 1895 all calibers except 22, 25-36, 30-30 and 32 special, Savage rifles and carbines model 1899 calibers 32-40 and 38-55, each .....**ABJ** $2.00

In ordering sights for 1886 model Winchester lightweight rifles, state caliber.



Front View.

No. 102—For Winchester rifles models 1892 and 1894 all calibers except 25-35, 30-30 and 32 special high power, 1894 model, Colt's Lightning rifles all calibers except 22 cal., Remington single shot rifle Nos. 2, 4 and 6, 22 caliber, each .....**ABJ** $2.00



No. 103—For Winchester rifles model 1886 calibers 33, 45-70 and 45-90 high power smokeless, Winchester rifles model 1895 calibers 35 and 405, Winchester self-loading rifles models 1905, 1907 and 1910, calibers 32, 35, 351 and 401, each .....**ABJ** $2.00

No. 104—For Winchester rifles model 1895 caliber 30 rimless, Remington autoloading rifles calibers 25-35 and 35, Standard automatic and hand-operated rifles all calibers.....each **ABJ** $2.00



No. 105—For Winchester rifles model 1894, calibers 25-35, 30-30 and 32 special, each .....**ABJ** $2.00

No. 106—For Winchester carbines 1894 model, 25-35, 30-30 and 32 special calibers, each .....**ABJ** $2.00



SHEARD'S GOLD ALLOY.



No. 111.

No. 111—For 1903 model U. S. Springfield rifles and carbines, each.....**ABJ** $2.00

No. 113—For Savage model 1899 rifles and carbines, calibers 25-35, 30-30 and 303, and Marlin model 1893 rifles, calibers 25-36, 30-30 and 32 special, each .....**ABJ** $2.00

No. 115—For Remington 30-30 and 32 special autoloading rifles, each .....**ABJ** $2.00



No. 117—For Winchester 1890, 1903 and 1906 model, 22 cal. repeating rifles, Winchester 1902 and 1904 model single shot rifles, Remington model 12 repeating rifle No. 1, 22 caliber, each .....**ABJ** $2.00

KING'S.



No. 78—Flat top 8 combination adjustable sporting rear, with adjustable disc having 4 notches, 2 U-shaped and 2 V-shaped of different sizes with white diamond on 1 side, giving 8 combinations with adjustment, as the disc may be placed either edge up or either face to, and locked with a screw, double step adjustment with screw driver point doing away with all blurring as in old style single steps, and making a more stationary sight, for all Winchester, Savage, Marlin and Remington, except autoloading, rifles, each **AJJ** $1.70

When used with King triple bead front sight gives twenty-four combinations of sights on the gun at one time.



Rear.

No. 80—Eight combination carbine rear, same adjustable disc and double elevating step as No. 78, each **AJJ** $1.70

All King rear sights are adjustable so that any one is suited to any model rifle of Winchester, Marlin, Savage and Remington (except auto-loading). This simplifies matters a great deal and enables dealers to get along on a small stock and still have the assortment.



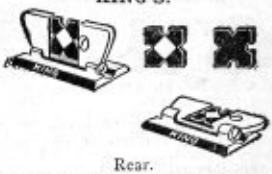
Front.

No. 71—Triple bead front, 1/8 in. bead, has 3 perfect beads, ivory, gold and black, all on the rifle at one time, instantly charged and accurate, being revolved in either direction and held by a spring.....each **ABJ** $2.00

No. 72—Triple head front, 3-32 in. bead, otherwise same as No. 71, each **ABJ** $2.00

Specify make, model and caliber when ordering Nos. 71 or 72. When King's Triple Bead Sights Nos. 71 or 72 are used with King's Leaf or Sporting Rear Sights, they give twenty-four combinations of sights on the gun at one time.

KING'S.



Rear.

No. 76—Flat top 8 combination adjustable leaf, with adjustable disc having 4 notches, 2 U-shaped and 2 V-shaped of different sizes, with a white diamond of hard enamel on one side, gives 8 combinations with an adjustment, as the disc can be placed either face to or either edge up, and locked in position by screw, for all Winchester, Savage, Marlin and Remington, except autoloading, rifles, each **JHJ** $1.40

Used with King triple bead front sight gives twenty-four combinations of sights on the gun at one time.

WINCHESTER.



Sporting Front. Model 90 Front.

No. 181—Sporting rear, graduated from 50 to 300 yds., can be adjusted to buckhorn or clover leaf, each **JFE** $1.20

No. 182—Extra steps.....each **BJ** .35

No. 183—Express rear for model '94 rifle .....each **ACJ** $2.20

No. 184—Sporting front, each **CJ** .50

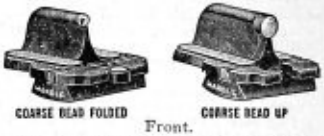
No. 185—Model '90 front, each **CJ** .50

No. 187—Sporting rear, adapted to models '90, '02, '04, '06 and thumb trigger Winchester rifles....each **JFJ** $1.00



No. 186—Model '90 rear Winchester, each .....**JFJ** $1.00

MARBLE'S.



Front.

No. 62—Duplex adjustable, 1/8 gold bead and 3/8 in. ivory bead, 2 sights in one, for model 1894 Winchester, model 1893 Marlin or model 1899 Savage rifles only .....each **AAJ** $1.80

The Duplex Marble Sight is an all purpose sight. It has 1-16 in. gold bead for target practice and game in ordinary light and on snow, with a 3/8 in. white enameled bead for all game in dubious light. It snaps down at a touch flat and flush. In ordering, specify make, model and caliber of rifle for which sight is intended.

RIFLE AND SHOT GUN SIGHTS.

MARBLE'S RIFLE.



No. 42. No. 61, Front View. No. 61, Side View.

No. 42—Standard front bead, for any rifle of any caliber, $\frac{1}{8}$ in. bead, of ivory .....each **JFJ** $1.00

No. 61—Reversible front, one ivory and one gold bead, both same size, furnished in either size $\frac{1}{16}$ or 3-32 in., each .....**JIJ** $1.50

The sight can be reversed instantly. Mention make, model and caliber when ordering.



No. R8. No. R9. No. 52.

No. R8—Adjustable rear peep sight for Model 14 Remington repeating rifle, each .....**BAE** $3.60

No. 38—Taps for fitting No. 8R, each .....**BE** $0.40

No. 39—Drills for fitting No. 8R, each .....**BE** $0.40

Model 14 Remington repeating rifle is not drilled and tapped to receive peep sight, consequently the foregoing tools are required.

No. R9—Adjustable rear peep sight for Model 16 Remington 22 Automatic rifle .....each **BAE** $3.60

No. 50—Special rear for Remington 22 repeater .....each **BAE** $3.60

Made expressly for the 22 caliber Remington Repeater, made low, but has all the other features of No. 51 Marbles' Flexible Rear Sight.

No. 51—Automatic flexible joint, rear, for Winchester, Marlin and Savage rifles .....each **BAE** $3.60

For use on all rifles with long firing bolts. A jamb nut holds disc stem rigid at any elevation. Interchangeable disc allows change of aperture at will.

Mention make, model and caliber when ordering.

Automatic Flexible Joint, For Winchester, Marlin, Savage and all Standard Rifles.

No. 52—Rear, with cup disc, each .....**BEJ** $4.20

No. 53—Rear, with side light, each .....**BEJ** $4.20

The side light feature of the No. 53 makes it possible to line up your sights on a moving object much quicker than with the solid disc.

Mention make, model and caliber when ordering.



Mention make, model and caliber when ordering.

No. 54—Special base flexible joint, rear, with long base, particularly adapted to the Winchester box magazine rifles★ .....each **BAE** $3.60

MARBLE'S RIFLE.



No. 60. No. 41.

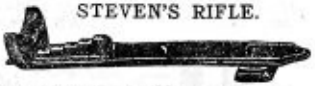
No. 60—Rear, folding leaf sight, each .....**JGJ** $1.20

No. 41—Improved, front, for any rifle of any caliber, $\frac{1}{16}$ in. bead, of ivory, each .....**JFJ** $1.50

It is possible with this improved front sight to see under as well as over, on long range where haste is necessary to adjust the rear sight; accuracy is insured by the fact that the object aimed at can be seen under the sight.

Mention make, model and caliber when ordering.

STEVEN'S RIFLE.

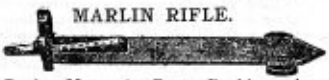


Sporting or Rocky Mountain Rear, each .....**JFE** $1.10



Rocky Mountain Front, each .....**DE** $0.80

MARLIN RIFLE.



Rocky Mountain Rear, Buckhorn low and high .....each **JFE** $1.10

Extra Steps, for above..each **BE** .40



Rocky Mountain Front. Front. Rear.

Rocky Mountain Front, knife edge, each .....**DJ** $0.70

22 Caliber Front.....each **CJ** .55

22 Caliber Rear.....each **DJ** .70



No. 30—Receiver, for Marlin rifles made after '03, graduated peep or open sight .....each **BFE** $4.40

Rifles made before above date require two holes to be drilled and tapped in rifle receiver.

LYMAN'S SHOT GUN.



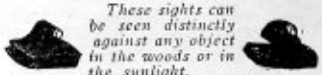
No. 11—Ivory rear .....each **DJ** $0.70

No. 10—Ivory front .....each **DJ** .70

No. 9—Sets of ivory front and rear, with reamer .....per set **JHJ** $1.30

★*FOR FACTORY SHIPMENT ONLY.*

LYMAN'S RIFLE.

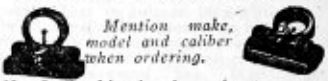


These sights can be seen distinctly against any object in the woods or in the sunlight.

No. 3. No. 4

No. 3—Ivory bead front, each .....**JHJ** $1.30

No. 4—Ivory hunting front, each .....**DJ** .70



Mention make, model and caliber when ordering.

No. 5—Combination ivory front, each .....**JHJ** $1.30

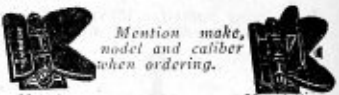


No. 24. No. 26.

No. 24—Jack, for Marlin and Winchester carbines and Winchester '95 rifles, each .....**DJ** $0.70

No. 26—Ivory bead, for Winchester carbines and Winchester '95 rifles, each .....**DJ** $0.70

Mention make, model and caliber when ordering.



Mention make, model and caliber when ordering.

No. 6. No. 6-R.

No. 6—Leaf . each **JHJ** $1.30

No. 6-R—Leaf for Remington automatic rifles, same as No. 6★each **ABJ** $2.00

One leaf is a bar with triangular ivory center, the other is a wide open V crotch.

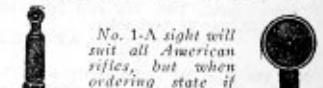


No. 12.

No. 12—Slot blank each **BJ** $0.35



No. 21—Receiver for Winchester models '94, '95 and Marlin '93 and '95, each ....**BGJ** $4.55



No. 1-A sight will suit all American rifles, but when ordering state if rifle has pistol-grip stock and be careful to give model and caliber.

No. 1-A. No. 2-A.

No. 1-A—Combination rear, each .....each **BCJ** $3.85

No. 2-A—Combination rear with cup disc .....each **BGJ** $4.55

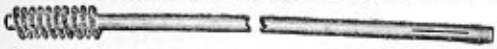
The No. 2-A sight has a large detachable disc and is intended for match rifles and gallery rifles. It is not as good for "all around" shooting as the No. 1-A combination sight.

The disc is easily removed, and for most work, is not needed.

Mention make, model and caliber when ordering.

GUN CLEANING RODS AND IMPLEMENTS.

SHOT GUN CLEANING RODS.



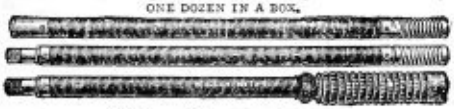
No. G84—10 and 12 gauge, ash, with bristle brush wound in, 40½ in. .....per dozen **ABJ** $2.00
ONE DOZEN IN A PACKAGE.





Hickory Jointed.

No. 114—410 gauge or 44 caliber, hickory, brass trimmings, 3 joints with wool swab, slotted wiper and brass wire scratch brush, w't per doz. 3¼ lbs., per doz. **BDJ** $3.00
ONE DOZEN IN A BOX.

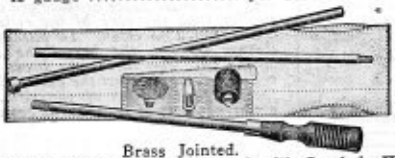




Hardwood, Brass Trimmings, 3 Joints with 3 Implements.
No. G95—12 gauge .....per dozen **BDJ** $4.00
No. 1695—16 gauge .....per dozen **BDJ** 4.00
No. 2095—20 gauge .....per dozen **BDJ** 4.00



No. G106 REVAMOC—Seamless brass tubing, highly polished, three joints with cocobola handle, end joint of rod threaded to take our REVAMOC cleaner or any other standard gun cleaner or brush, each rod in a partitioned canvas pocket, 10 or 12 gauge .....per dozen **JGBJ** $12.00



Brass Jointed.

Brass Tubing, Three Jointed, Fitted with Cocobolo Handle, Wiper Wool Swab and Steel Wire Brush, End Joint of Rod Threaded to Take Any Standard Gun Cleaner or Brush.
No. 109—410 gauge or 44 caliber, w't per doz. 7½ lbs., per dozen .....**JHAJ** $13.50
No. 110—20 gauge, w't per doz. 7½ lbs., per dozen **JHAJ** 13.50
ONE IN A PARTITIONED CANVAS CASE.



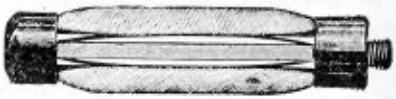
No. 5—Power's, polished brass, 3 joints combining cleaning rod, oil can and screw driver .....per dozen **ADDJ** $24.00

SHOT GUN CLEANERS.



No. 212 No. 302. No. 222. No. 232.
No. 212—Wire scratch brushes .....per dozen **JGJ** $1.20
No. 202—Wool swabs .....per dozen **JHJ** 1.36
No. 222—Polished wormers .....per dozen **JIJ** 1.50
No. 232—Wipers, slotted .....per dozen **DE** .76
ONE DOZEN IN A BOX.

SHOT GUN CLEANERS.



Nickel Plated, Brass Wire Gauze Pads, Wrapped Over Wood, with Two Extra Pads.
No. 412 REVAMOC—12 gauge .....per dozen **BDJ** $4.00
No. 416 REVAMOC—16 gauge .....per dozen **BDJ** 4.00
No. 420 REVAMOC—20 gauge .....per dozen **BDJ** 4.00
No. 418 REVAMOC—Extra pads for Nos. 412, 416 and 420, per dozen pairs .....**JFJ** $1.00

A cleaner, fitting all standard cleaning rods, and so designed as to fit the entire length of the inside of shot gun barrels, notwithstanding the various chokes adopted by the different makers. We guarantee it to remove all lead, rust spots and foreign matter from breech to muzzle, and leave the barrels perfectly clean.

The sides cut all lead and dirt from the barrels, they are too soft to injure them in any way. In fact, by constant use, this cleaner will improve the barrels by giving them a lengthwise polish.



No. 248—Twisted wire with bristle brushes, 12 gauge, per dozen .....**CAJ** $5.30
ONE DOZEN IN A BOX.

MARBLE'S ANTI-RUST ROPES.



No. 240—Marble's anti-rust ropes, standard length 30 in., 12, 16 and 20 gauge .....per dozen **DHJ** $8.00

When saturated with oil these "ropes" exclude all air and moisture and make it impossible for the barrels to rust or become pitted. They are longer than the barrel and larger than the bore. This insures a constant pressure of oil against the entire circumference of the bore. One oiling will last for years.

REVOLVER CLEANERS.



REVAMOC

No. 400 REVAMOC—32 or 38 caliber, brass rod, cocobola revolving handle, brass wire brush, length of rod 9½ in., length over all 13½ in. .....per dozen **EIJ** $9.80

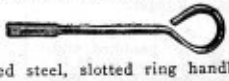
One of the most serviceable rods and cleaners on the market, for revolvers and pistols. Removes rust, lead, caking, etc. Especially adapted for cleaning target revolvers.
ONE DOZEN IN A BOX.

PISTOL BRUSHES.



Twisted Wire, Bristle End.
No. 502—22 caliber .....per doz. **BE** $0.40
No. 503—32 caliber .....per doz. **BE** .40
No. 508—38 caliber .....per doz. **BE** .40

REVOLVER CLEANING RODS.



No. 143—Coppered steel, slotted ring handle, 8½ in. long, per dozen .....**BE** $0.40

CLEANING RODS.

RIFLE CLEANING RODS.



No. 146S—22 caliber, coppered steel, slotted, ring handle, 28 in. long, per dozen .....CJ $0.50
No. 146JS—22 caliber, coppered steel, jagged and slotted combined, ring handle, 28 in. long, per dozen .....CJ $0.50



No. 147—22 caliber, twisted wire, bristle end, 27 in. long, per dozen CJ $0.50
No. 148—32 caliber and larger, 5-32 in. coppered steel, slotted, special ring handle, 28 in. long, per doz. DJ $0.70
No. 156—22 caliber, 5-32 in. brass, slotted and notched, ring handle, 29 in. long, ...per dozen ADE $2.40



Copper.

No. 150G—Perfection, 22 caliber and larger, $\frac{7}{32}$ in. coppered wire, turned and notched, ring handle, 27 in. long, per dozen .....JIJ $1.50
No. 160G—Perfection, 22 caliber and larger, $\frac{7}{32}$ in. brass, turned and notched, ring handle, 27 in. long, per dozen .....BDJ $4.00



No. 513—22 caliber, brass rod, slotted and notched, Stevens' Patent ring, length 32 in.,...per dozen AHJ $3.00

No. 515—32 caliber, brass rod, slotted and notched, Stevens' Patent ring, length 32 in.....per dozen BDJ $4.00



The Texas Ranger.

No. 161—22 caliber, $\frac{7}{32}$ in. brass, one piece swivel, knobbed end, ring handle, 28 in. long, per dozen BDJ $4.00



The Texas Ranger.

No. 162—22 caliber, $\frac{7}{32}$ in. brass, four piece, jointed, swivel, knobbed end, ring handle, in leather pocket, 28 in. long .....per dozen DHJ $8.00

RIFLE CLEANING RODS.



No. 144B—32 caliber, $\frac{7}{32}$ in. brass, slotted and notched, revolving hard wood handle, length 37 in. over all, per dozen .....BBE $3.80



No. 145A—22 caliber, iron, with wire scratch brush and bristle cleaner, with revolving hard wood handle, 31 in. long .....per dozen BCE $3.90

No. 145B—32 caliber, otherwise same as No. 145A .....per dozen BDE $4.10



No. 82—30, 32 or 38 caliber, plain hickory, slotted, turned, 37 in. long, per dozen .....FJ $1.00

ONE DOZEN IN A PACKAGE.



No. 250—U. S. Government, 22, 25, 30, 32 caliber, linen cord, brass weights and brass socket, loop for wiper and bristle brush ....per dozen BDJ $4.00



No. 246—Bristle scratch brushes to fit No. 250, 22, 25, 30 or 32 caliber cleaners, per dozen .....JIE $1.60



No. 141B—Brass, four joints, cocobolo revolving handle, slotted and notched rod only, 32 in. long, to fit any caliber of No. 246B brushes, per dozen .....BGJ $4.50

IN ROUND CANVAS BAG, ONE-HALF DOZEN IN A BOX.

No. 246B—Extra brass wire brushes, with short shank and male threads, to fit No. 141B rod, 22, 25, 30, 32, 35, 38 or 45 calibers, per doz. JIE $1.60

No. 246BL—Extra brass wire brushes, with long shank and female threads, to fit old style No. 141B rods, 22 caliber only ....per dozen JIE $1.60

No. 246B, short shank brush, screws into tip of No. 141B cleaning rod.
No. 246BL, long shank brush, screws onto the second joint of the rod, the tip joint being removed for that purpose.

RIFLE CLEANING RODS.



No. 171—Marble's, 22 or 30 caliber, brass sections, 3 steel joints, ends jagged and slotted, wood handle, 22 caliber, 26 in. long, and 30 caliber, 28 in. long....per dozen JIFJ $16.00



No. 172—Marble's, brass gauze brushes, to fit No. 171, 22 and 30 caliber, per dozen .....DHJ $8.00

The principle of construction is a spirally bent tempered spring wire, with sections of very soft brass wire gauze washers, separated by soft metal washers. The brass gauze brushes are a little smaller than the bore of the rifle they are intended to clean. In pushing the cleaner through the barrel the spring of the wire coil forces the brass gauze brushes firmly against the entire circumference of the bore of the rifle, thus removing spots of lead, burnt powder or rust.



No. 275—Marble's, field cleaners, linen cord, brass weight and No. 172 brass cleaner, 22 caliber, per doz. .....JGBJ $12.00

To clean, place loop over some projection, drop weight through barrel and hold, drawing rifle back and forth.

GUN IMPLEMENTS.

POWDER AND SHOT MEASURES.



No. 2—New Model, nickel plated, applewood rammer handle, 2½ to 4½ drs., 1 to 2¼ oz. .....per dozen **AGJ** $2.80

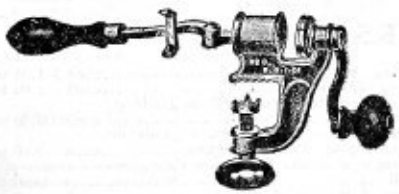
RECAPPERS.



No. 180—12 gauge, japanned .....per dozen **JIJ** $1.50

ONE DOZEN IN A BOX.

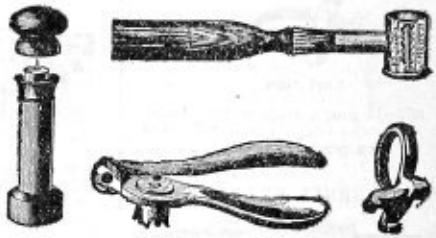
SHELL CRIMPERS.



No. 0—12 gauge, japanned, round crimp, w't per doz. 10 lbs., per dozen .....**EDJ** $9.00

ONE IN A BOX.

LOADING SETS.



No. 96½.

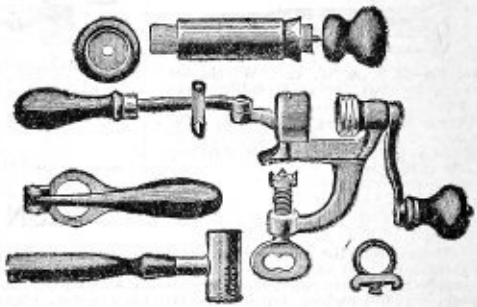
Four Pieces, Loader, Recapper, Extractor and Shot Measure.

No. 96½—12 gauge .....per dozen sets **DJE** $6.76

No. 696½—16 gauge .....per dozen sets **DJE** 6.76

No. 2096½—20 gauge .....per dozen sets **DJE** 6.76

ONE SET IN A BOX.



No. 97½.

Five Pieces, Loader, Recapper, Extractor, Powder and Shot Measure and Shell Closer.

No. 97½—12 gauge .....per dozen sets **JIBE** $15.40

No. 697½—16 gauge .....per dozen sets **JIBE** 15.40

AVERAGE W'T PER DOZ. SETS 9 LBS. ONE SET IN A BOX.

MAIL ORDER DEPARTMENT

Our constant attention in sixty-one years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

GUN AND RIFLE IMPLEMENTS.

SHELL EXTRACTORS.



Shot Gun.

No. 1172—12 gauge, ring, nickel plated, per dozen .....**EE** $0.90

ONE DOZEN IN A BOX.

BROKEN SHELL EXTRACTORS.



Rifle.

No. 25—Marble's improved, for rifles, steel, nickel plated, per dozen★ .....**JFIJ** $11.50

Slips inside the broken shell, grabs it by the nose, and one motion of the lever throws out the extractor and the broken section. State caliber and make of rifle when ordering.

SUPPLEMENTAL CHAMBERS.



No. 400—32 S. & W. cal., Winchester supplemental, for 30-30 caliber, per dozen .....**DHJ** $7.20

These bushings are made by the Winchester Repeating Arms Co. for 32 caliber S. & W. cartridges. Will fit any 30-30 caliber rifle.

RELOADING TOOLS.

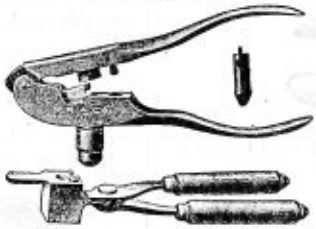


No. 4 Ideal.

25-20—Marlin .....per set **BAJ** $3.50
32-20—Marlin, Winchester and Colt, per set .....**BAJ** $3.50

ONE SET IN A BOX, AVERAGE W'T 3½ LB. PER SET.

WINCHESTER LEVER TOOLS AND MOULDS.



25-20—Winchester ..per set **BBJ** $3.64

A set of bullet molds, charge cup and primer extractor accompany the tool.

ONE SET IN A BOX. AVERAGE W'T 2⅝ LBS. PER SET.

★*FOR FACTORY SHIPMENT ONLY.*

MELTING DIPPERS.



Ideal Dippers, w't 6 oz., each **DJ** $0.64

MELTING LADLES.



No. 3G—3 in. bowl, w't per doz. 8 lbs., per dozen .....**ACJ** $2.20

No. 4G—4 in. bowl, w't per doz. 10 lbs., per dozen .....**AEE** $2.60

No. 5G—5 in. bowl, w't per doz. 14 lbs., per dozen .....**AIJ** $3.20

No. 6G—6 in. bowl, w't per doz. 19 lbs., per dozen .....**BDJ** $4.00

MELTING TOOLS.



Ideal Melting Pots, w't 1¾ lbs., each .....**DJ** $0.64

Ideal Stove Covers, for holding melting pot, will fit any stove, w't 1¾ lbs., each .....**DJ** $0.64

GUN REPAIRS.

Almost from the inception of our gun business, we have maintained a gun shop where we employ a corps of skilled mechanics, and are equipped with all necessary tools and machinery for making repairs of ever ydescription, choke boring, reboring, etc., as well as the examination of all arms. As many of our customers do not employ a gunsmith, we have been obliged to do a large amount of this class of work for the trade, charging only for the actual time of the workman and the materials used. It i simpossible to quote prices intelligently on this class of work without having the arms for examination, but we give you a list of prices which are simply approximate estimates, but will cover the expense in the majority of cases.

It is necessary to have the action of the gun and the old stock when possible, from which to obtain the length and drop when making a new gun stock, and the complete gun in order to fit a new fore-end or extractor. However, in some cases, we can get along with th ebarrels when a new extractor only is required, although it is necessary to guess at the length of the extractor pin in this case.

Parts for Flobert rifles, not being interchangeable, can be supplied from stock only in the rough, and when parts are wanted finished and fitted, it is necessary for us to have the rifle in order to do the work properly. The cost of breech loading blocks and hammers for Flobert rifles finished and fitted, varies from $1.00 to $1.50 each, the seemingly high prices being due to the fact that the parts have to be finished entirely by hand. In sending us guns or parts, do not fail to put your own name and address on the tag, and to write a letter giving full particulars. Failure to do this may be the cause of much unnecessary delay.

Bending stocks	each	$ 1.00 to	$ 2.50
Cutting off stocks	each	1.00 to	2.00
Making new stocks for medium grade imported guns	each	7.00 to	9.00
Making new stocks for better grade imported, also American guns	each	9.00 to	12.00
Making new stocks for hammerless guns,	each	10.00 to	20.00
Taking dents out of barrels	each	1.00 to	2.00
Tightening barrels on action	each	1.00 to	2.50
Rechoking barrels	each	1.50 to	4.00
Cutting and resighting barrels	each	1.00 to	1.50
Reboring barrels to remove pits	per barrel	1.50 to	3.00
Choke boring barrels, jug choke	per barrel	1.00 to	1.50
Choke boring barrel, taper choke	per barrel	1.50 to	2.50
Re-browning barrels	per pair	3.00 to	5.00
Fore-ends, complete for medium grade imported guns, each	each	3.50 to	5.00
Fore-ends, for guns costing from $20.00 to $40.00	each	5.00 to	8.00
Hammers made to match samples	each	1.00 to	2.50
Rubber butt-plates, fitted	each	1.00 to	2.00
Extractors, fitted	each	1.50 to	3.00
Top or side levers, fitted	each	1.50 to	3.00
New locks, complete for medium grade imported guns, fitted	per pair	5.00 to	6.00
Plungers made like samples	each	.50 to	.75
Sears, tumblers and mainsprings fitted in locks	each	1.50 to	2.50
Trigger guards, fitted	each	1.00 to	1.50
Trivgers, fitted	each	.75 to	1.00

WHEN DUPLICATES OF BROKEN PARTS ARE WANTED, ALWAYS SEND THE OULD PARTS WITH THE ORDER.

GUN MATERIAL.

MAIN SPRINGS.



Nos. 130 and 132.



Nos. 134 and 136.

Breech Loading, Rebounding Swivel.

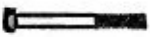
No. 130—Right hand, bar action, per dozen .....**CCE** $5.60

No. 132—Left hand, bar action, per dozen .....**CCE** $5.60

No. 134—Right hand, back action, per dozen .....**CCE** $5.60

No. 136—Left hand, back action, per dozen .....**CCE** $5.60

SIDE PINS.



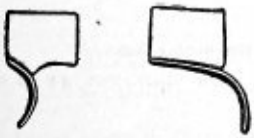
No. 184—Threaded..per dozen **CJ** $0.50

CROSS PINS.



No. 186—Threaded..per dozen **CJ** $0.50

TRIGGERS.



No. 26 No. 27

Malleable, Iron, Filed.

No. 26—Right hand, per dozen **EE** $0.90

No. 27—Left hand, per dozen **EE** .90

PINS, SCREWS AND SWIVELS.



No. 190 No. 192. No. 194

No. 190—Tumbler pins, threaded, per dozen .....**BE** $0.40

No. 192—Inside lock screws, per dozen .....**BE** .40

No. 194—Tumbler swivels, per dozen .....**JIJ** 1.50

TRIGGER GUARDS.



No. 390—Double, to screw off, filed, per dozen .....**DEJ** $7.50

HAMMERS.



No. 210. No. 215

No. 210—Filed, round body, right and left hand, 1¼ in. fro centers, per dozen .....**DEJ** $7.50

No. 215—Lefaucheaux, filed, right and left hand, 1⅛ in. from centerms, per dozen .....**DAE** $6.90



No. 220. No. 225.

No. 220—English circular, filed, right and left hand, 1⅛ in. from centers, per dozen .....**JFJJ** $10.00

No. 225—Belgian circular, right and left hand, 1¼ in. from centers .....per dozen **DHE** $8.10

GUN AND MUSKET TUBES.



No. 20. No. 24. No. 23.

English Thread.

Sizes 2, 3, 4 and 5 Threads.

No. 20—Common quality, blued, taper .....per dozen **CE** $0.56

No. 24—Good quality reversed, two sided .....per dozen **JGE** $1.24

No. 23—Tapered, good quality, two sided .....per dozen **JGE** $1.24



No. 30 No. 28 No. 21

No. 30—Flat shoulder, Belgian thread, with washer....per dozen **AAE** $1.90

No. 28 Square shoulder, musket, per dozen .....**JGE** 1.22

No. 21—English thread, fine quality, double reversed, two sided, per dozen .....**ADJ** $2.30

In ordering, state size of thread wanted.

MISCELLANEOUS.



No. 200—Nipple seats for breech loaders, per dozen .....**JIJ** $1.50



No.202. No.203 No. 204. No. 205 No. 207.

No. 202—Nipples or spring plungers, per dozen .....**CE** $0.58

No. 203—Solid head plungers, per dozen .....**AAE** $1.90

No. 204—Shouldered solid head, per dozen .....**AEJ** 2.50

No. 205—Bonehill plungers, per dozen .....**AAJ** 1.80

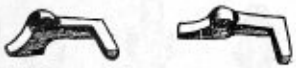
No. 207—New Nitro plungers and seats for latest style Belgian guns, per dozen .....**ACJ** $2.20

PLUNGER SPRINGS.

No. 208—Plunger springs, per dozen .....**CE** $0.58

GUN MATERIAL.

SEARS.



Nos. 150 and 152. Nos. 154 and 156.

Filed Bar Action.

No. 150—Right hand, per dozen .....AAE $1.90

No. 152—Left hand, per dozen .....AAE 1.90

Filed Back Action.

No. 154—Right hand, per dozen .....ABE 2.10

No. 156—Left hand, per dozen .....ABE $2.10

SEAR SPRINGS.



Front Action.

No. 138—Right hand, per dozen .....ABE 2.10

No. 140—Left hand, per dozen.....ABE 1.68

TUMBLERS.



Nos. 176 and 178. Nos. 180 and 182.

Breech Loading, Rebounding Swivel.

Bar Action.

No. 176—Right hand, per dozen .....CIJ $6.50

No. 178—Left hand, per dozen .....CIJ 6.50

Back Action.

No. 180—Right hand, per dozen .....CIJ 6.50

No. 182—Left hand, per dozen .....CIJ 6.50

WAD CUTTERS.



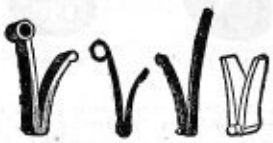
Gauge	10	12	16	20
Per dozen..	$2.40	2.40	2.40	2.40
	ADE	ADE	ADE	ADE

FORE-END IRONS.



No. 41—Milled...per dozen DAJ $6.80

TOP LEVER SPRINGS.



No. 50A. No. 50C. No. 50D. No. 50E.

No. 50-A—Per dozen .....DAJ $5.00

No. 50-C—Per dozen .....DAJ 5.00

No. 50-D—Per dozen .....DAJ 5.00

No. 50-E—Per dozen .....CJJ 5.00

EXTRACTORS.



No. 51—Milled... per dozen DAJ $6.80

TURNED GUN STOCKS.



English Walnut.

No. E—Good quality, w't 2 lbs., per dozen.....ADDJ $24.00

No. EE—Fine quality, w't 2 lbs., per dozen.....AHJJ 30.00

Domestic Walnut.

No. D—Good quality, w't each 2 lbs., per dozen .....AJBJ $17.00

No. DD—Fine quality, w't each 2 lbs., per dozen .....ABCJ $20.50

BUTT PLATES.



No. 100—Rubber finish, per dozen .....JFJJ $10.00

GUN OILS AND CLEANING COMPOUNDS.

REV-O-NOC GUN OIL.



No. 64G. No. 68G.

No. 64G REV-O-NOC—1 oz. bottles, w't per doz. 2 lbs. .....per dozen **JHE** $1.40

No. 65G REV-O-NOC—3 oz. bottles, w't per doz. 6 lbs. .....per dozen **AGJ** $2.80

No. 66G REV-O-NOC—8 oz. bottles, w't per doz. 16 lbs. .....per dozen **CIJ** $6.50

No. 68G REV-O-NOC—4 oz. cans with patented spout, w't per doz. 7 lbs., per dozen .....**BJJ** $3.30

NO. 64G, PACKED TWO DOZEN IN A BOX; BALANCE, ONE DOZEN IN A NEAT WOOD BOX WITH SLIDING TOP. WE DO NOT BREAK BOXES.

REV-O-NOC *For-All-Things Oil is a high viscosity, low gravity lubricating oil unexcelled for its Cleaning and Polishing properties.*

Prevents guns from rusting, Nickel and Brass from Tarnishing.

Penetrates into the pores of the metal, forming a film like coating that defies all weather conditions.

Composed of ingredients absolutely harmless to the finest finished surface, REV-O-NOC *For-All-Things Oil is unsurpassed for cleaning and polishing pianos and fine furniture. Restores the original finish and lustre, removing all spots and stains.*

For Sewing Machines, Phonographs, Dictaphones, Typewriters, Automobiles, Motor Boats, Lawn Mowers, Separators, Bicycles, etc. Use a damp cloth on veneered or polished surfaces, and a dry cloth on metal.

FULL DIRECTIONS ON EVERY BOTTLE.

COMBINATION OIL.



Nos. 30G and 31G. No. 39G.

"3 IN 1," Cleans, Preserves and Lubricates.

No. 30G—1 oz. bottles, w't per doz. 2 lbs. .....per dozen **JIE** $1.60
No. 31G—3 oz. bottles, w't per doz. 6 lbs. .....per dozen **BAE** $3.60
No. 38G—8 oz. bottles, w't per doz. 17 lbs. .....per dozen **DHJ** $8.00
No. 39G—3½ oz., new handy size can, 3½ in. high and 2¼ in. wide, per dozen .....**BDJ** $4.00
NOS. 31G, 38G AND 39G, ONE DOZEN; NO. 30G, TWO DOZEN IN A BOX.
Handy cans come packed in a handsome two color patented window or counter display box.



No. 32G. No. 44G.

No. 32G—2 oz. bottles, w't per doz. 4 lbs. .....per dozen **JGE** $1.26
No. 36G—6 oz. bottles, w't per doz. 14 lbs. .....per dozen **BAE** $3.60
No. 44G—3½ oz. pocket size can, with ball bearing spout, packed one dozen in a carton, divided into two counter display stands of one half dozen cans each, spout opens for flow of oil and acts as a shut-off when folded, per dozen .....**BDJ** $4.00
No. 42G—2 oz. cans, w't per doz. 2¼ lbs. .....per dozen **JIE** $1.60

No. 43G—½ gal. cans, w't per doz. 51 lbs. .....per dozen **ADDJ** $24.00
NO. 43G, ONE IN A BOX.
NOS. 32G, 44G AND 42G, ONE DOZEN.

SOLVENT OIL.



No. 60G. No. 40G.

No. 60G—Fitzsimmons' Solvent Oil, 2 oz. bottles .....per dozen **BDJ** $4.00
No. 40—Marble's Nitro Solvent, 2 oz. bottles .....per dozen **BDJ** $4.00
These are high grade solvent oils. They lubricate, remove dust, gum and dirt, polish, and prevent rust and will not gum. Contain no acid, and are adapted for all tools and mechanisms.
ONE IN A BOX.

CLEANER.



No. 22—Red W Crystal Cleaner, 3 oz. bottles, dissolves the copper and nickel fouling in rifles without injury to the barrel....per dozen **ADE** $2.40

GUN GREASE.



No. 19—Winchester Gun Grease, cleans and preserves, in 1x4 in. tubes, per dozen .....**AJE** $1.68
ONE DOZEN IN A BOX.

RUST REMOVER.



No. 18—Marlin Rust Repeller, cleans and preserves, in 1x4 in. tubes, per dozen .....**AAJ** $1.80
EIGHTEEN IN A BOX.



No. 21—Winchester Rust Remover, 1x4 in. tubes, removes rust from the bore of all kinds of firearms, per dozen .....**ADE** $2.40
ONE DOZEN IN A BOX.

HUNTERS' SUNDRIES.

COMPASSES.



Beveled Glass, Open Case, with Ring.

No. 5—1 in., white dial, nickel plated case .....per dozen **AGE** $2.90
No. 6—1½ in., white dial, nickel plated case .....per dozen **CCJ** $5.50
No. 7—1⅝ in., silvered metal dial, with needle stop, lacquered brass case, per dozen .....**JFBE** $10.40
No. 9—1⅝ in., full division, silvered metal dial, jeweled, with needle stop, lacquered brass case, per dozen .....**JIFE** $16.10



Beveled Glass, Slip Cover.

No. 3—1⅛ in., white dial, nickel plated case .....per dozen **CJE** $5.10
No. 4—1½ in., white dial, nickel plated case .....per dozen **CDE** $5.76
No. 8—1⅝ in., silvered metal dial, lacquered brass case, with needle stop .....per dozen **AJJJ** $16.70
No. 10—1⅞ in., silvered metal dial, lacquered brass case, full division, jeweled, with needle stop, per dozen .....**ACAE** $21.90
No. 11—1½ in., hinged cover, with ring, silvered metal dial, lacquered brass case, full division, jeweled, with needle stop....per dozen **AEBJ** $25.30



Beveled Glass, Slip Cover.

No. 15—2¼ in., silvered metal dial, nickel plated case, full division, jeweled, best quality, English bar needle, automatic stop, per doz. **CCAJ** $55.20

ONE DOZEN IN A BOX.



Marble's.

No. 17—2¾ n., silvered, metal dial full division, automatic stop, in 3x3 in. hinged rosewood case, per dozen .....**ACHJ** $30.00

ONE IN A BOX.

COMPASSES.



No. 21 No. 12.

Marble's.

No. 21—1⅛ in., stationary dial, nickel plated, jeweled, with safety pin attachment to fasten to coat or belt, per dozen .....**ABJJ** $20.00
No. 12—1¾ in., watch case style, nickel plated, hinged cover, white dial, full division, automatic stop, jeweled, per dozen .....**BDHE** $41.40

ONE DOZEN IN A BOX.



No. 23—Leedawl, case of untarnishable metal made of nickel, copper and zinc, needle of properly tempered steel, carefully magnetized, dial of untarnishable silvered metal, diameter 1¾ in., w't per doz. 14 oz., per dozen .....**JIFJ** $16.00

ONE DOZEN IN ATTRACTIVE COUNTER DISPLAY CASE.

MATCH SAFES.



Marble's.

No. G2—Pocket, waterproof, nickel plated drawn brass, size 2¼x3⅛ in., per dozen .....**DHJ** $8.00

ONE DOZEN IN A BOX.

HUNTERS' AXES AND BELTS.



No. 118 —Leather belt with shield .....per dozen **JGBJ** $12.00
No. 119 —Axe only, solid cast steel, full polished, 3 in. bit, 14 in. handle, w't per doz. 21 lbs., per dozen .....**JGBJ** $10.00
No. 120 —Axe, russet leather belt and shield, w't 24½ lbs., per dozen .....**ABJJ** $20.00

ONE-HALF DOZEN IN A BOX.

MARBLE'S SAFETY POCKET AXES.



No. 5—Polished steel axe, 10½ in. hickory handle, blade 4¼ in., nickel plated hinged spring guard, the head is designed for driving spikes or stakes, w't 16 oz. .....per dozen **ADDJ** $24.00



No. 1—Polished steel axe, 10 in. nickel plated steel handle, 3⅜ in. blade, engraved hard rubber plates, nickel plated steel hinged spring guard, w't 16 oz. .....per dozen **BDJJ** $40.00

ONE-HALF DOZEN IN A BOX.

BOY SCOUT AXES.



No. 28G —Hand forged, black finish, one-piece highest grade crucible steel, without sheath or belt, w't 1 lb., 3 in. cut, with 14 in. shaped second growth white hickory handle, w't per doz. 20 lbs., per doz. **JFJJ** $10.00
No. 28SG —Axe, as above, with No. S sheath, without belt, otherwise same as No. 28G , per dozen .....**JICJ** $15.50
No. 28BSG —With No. SG sheath and No. BG belt, otherwise same as No. 28-G , per doz. **ABJJ** $20.00

ONE-HALF DOZEN IN A BOX.

BOY SCOUT AXE SHEATHS AND BELTS.



No. SG—Selected black grain leather sheath, 6 in. long, 3½ in. wide, with nickeled snap catch, w't per doz. 1½ lbs. .....per dozen **CCJ** $5.50
No. BG—Select black grain leather belt to match No. SG sheath, 1 in. wide, 32 in. long, punched to fit waist measures 24 to 30 in., nickeled steel buckle, w't per, doz. 1½ lbs., per dozen .....**BGJ** $4.50

ONE DOZEN IN A BOX.

These axes are identical in quality, pattern and Finish, with the official standard axe of the Boy Scouts of America. The grade of steel and workmanship is unsurpassed. The axe is the scout's most dependable tool for any emergency of camp or trail.

ONE DOZEN IN A BOX.

HUNTING AND ARMY KNIVES, DAGGERS AND CANTEENS.

JUNIOR HIKE CANTEEN.



No. 99—Brown khaki cover and strap, capacity 1 pint, w't per doz. 5¼ lbs., per dozen.....**JGBJ** $12.00

For camping, hiking, hunting, fishing, boating, golfing, bicycling, automobiling, scouting, etc. Also for farmers in the field and miners in the mine. It is the official Boy Scout canteen.

HUNTING KNIVES.



No. 400-G—Scored cocobola handle, 6 in. polished and swaged blade, **without sheath** .....per dozen **AHJ** $3.00



No. 1784G—Genuine deerfoot handle, solid steel guard and metal bolster, 6 in. silver steel blade, **with** sheath, per dozen .....**JEDJ** $11.00

ONE-HALF DOZEN IN A BOX.

GERMAN, FOLDING.



Deerfoot Handle, Brass Lined, Lock Back and Guard.

No. 4839G—1 blade, polished, 4⅛ in., and cork screw, length closed 5¾ in. .....per dozen **BJAJ** $40.00

No. 0156G—1 blade, polished, 3½ in., length closed 4¾ in., fancy bolster, ring on end for chain, per doz. **ABFJ** $25.00

ONE-HALF DOZEN IN A BOX.

REVO-NOC ARMY KNIVES.



No. 2706G REVO-NOC—1 large blade, length 4 in., 1 double edge can opener blade, full length 2 in., 1 marlin spike blade, full length 4¾ in., length closed 4⅛ in., stag handle, steel lined, steel cap and bolster, copper plated steel toggle for attaching to halyard or rope .....per dozen **AAGJ** $20.00

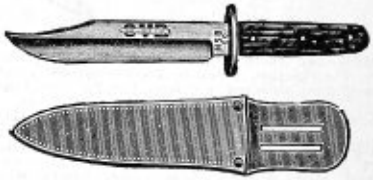
This is the official Standard Army Knife adapted by, and now in use by most European nations.

ONE-HALF DOZEN IN A BOX.

KNIVES.

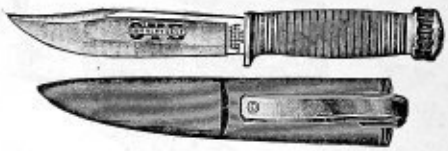


No. 7883G—Extra finish, finest quality, scored ebony handle, metal bolster, 6 in. polished and swaged blade, **without sheath** .....per dozen **CIJ** $6.50



Stag Handle, German Silver Guard, Hand Forged Crucible Steel Blade, Clip Point, Crocus Polished, Leather Sheath.

No. 7274-G REVO-NOC—4 in. blade.....per dozen **JFJJ** $12.00
No. 7375-G REVO-NOC—5 in. plade.....per dozen **JFFJ** 13.00
No. 7376-G REVO-NOC—6 in. plade.....per dozen **JGHJ** 15.50



Laminated Leather Handle, Hard Rubber and Brass Bands, Buck Horn Butt, Hand Forged Crucible Steel Blade, Full Hollow Ground, Clip Point, Long Russet Leather Sheath.

No. 1827-G —6 in. blade .....per dozen **BEHJ** $43.00

ONE-HALF DOZEN IN A BOX.

SPORTSMEN'S CAMPING KNIVES, WITH HARRISON PATENT PUNCH BLADE.



No. 935G —4 blades, polished, stag, brass lined, 3⅝ in. closed .....per dozen **AEJJ** $25.00

SWEDISH, FOLDING.



One Blade, Full Polished, Highest Grade Steel, Birch Wood Handle, Brass Lined, Ring At End of Chain.

No. 02G—Length closed 3¾ in., blade 3 in., per dozen .....**JGBJ** $12.00

No. 01G—Length closed 4¼ in., blade 3½ in., per dozen .....**JGBJ** 12.00

HALF DOZEN IN A BOX.

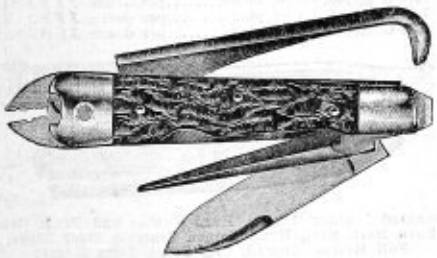
HUNTING AND CAMPING KNIVES.

COMBINATION KNIVES.



No. 7945RG—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 corkscrew, 1 punch, 1 combination screw driver and tack claw, polished, red fibre handle, with large head, German silver rivets, brass lined, 3¾ in. closed, per dozen .....**ADDJ** $27.00

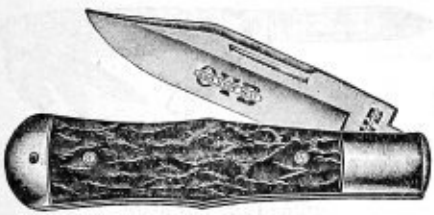
No. 7944BG—Six Tools, 1 large blade, 1 small blade, 1 can opener, 1 corkscrew, 1 punch, 1 combination screw driver and tack claw, polished, black fibre handle with large head, German silver rivets, brass lined, 3¾ in. closed, per dozen .....**ADDJ** $27.00



No. 3HG—Five Tools, 1 large blade, 1 punch, 1 screw driver, 1 hoof cleaner, 1 combination pincher and iron cutter, glazed, stag, brass lined, 4¼ in. closed.....per dozen **ABFJ** $21.00

HALF DOZEN IN A BOX.

OUR VERY BEST, FOLDING.



One Blade, Glazed, 4½ Inches, Iron Lined, Length Closed 5½ Inches.

No. 144G—Cocoa handle, single bolster, per dozen .....**JGHJ** $14.00

No. 145G—Cocoa handle, double bolster, per dozen .....**JHDJ** 15.00

No. 146G—Stag handle, double bolster, per dozen .....**JIJJ** 16.00

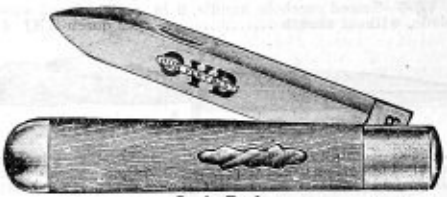
ONE-HALF DOZEN IN A BOX.

OUR VERY BEST, FOLDING.



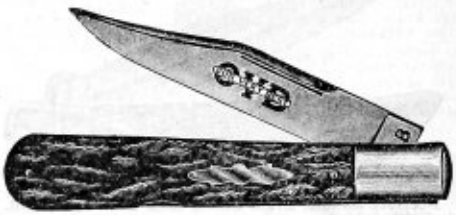
Lock Back.

No. 156G—1 blade, half polished, 4½ in., stag handle, brass lined, length closed 5½ in.....per dozen **AFBJ** $27.00



Lock Back.

No. 127G—1 blade, glazed, 3¾ in., cocoa handle, brass lined, length closed 3¼ in. .....per dozen **AJHJ** $18.00



Lock Back.

No. 143G—1 blade, full polished, 3¼ in., stag handle, brass lined, length closed 4½ in.....per dozen **CIFJ** $18.00

THE ONLY OFFICIAL BOY SCOUT KNIVES.



No. 1G—1 large blade, 1 Harrison punch, 1 can opener, 1 combination screw driver and bottle opener, polished, stag handle, with German silver shield, stamped "Be Prepared," brass lined with large German silver shackle for attaching to the belt, 3¾ in. closed .....per dozen **AJHJ** $18.00

No. 2G—2 blades, polished, ebony handle with German silver shield, stamped "Be Prepared," brass lined, larger German silver shackle for attaching to the belt, 3¾ in. closed, per dozen .....**DHJ** $8.00

HALF DOZEN IN A BOX.

HUNTING AND CAMPING KNIVES AND TOOL KITS.

CAMPING KNIVES AND FORKS.



No. 70G—2 pieces, knife and fork, cocobola handles, 2⅛ in. polished steel blade and fork, brass ferrules, length 7⅝ in., per dozen .....CCJ $6.50

HALF DOZEN IN A BOX.



No. 0602-G OVAL—2 pieces, knife and fork, 3⅛ in., brass lined, stag handle, joins and opens like an ordinary pocket knife, fine quality steel blade and fork, polished, German silver bolster .....per dozen JIFJ $19.00

HALF DOZEN IN A BOX.

CAMPING KNIFE, FORK AND SPOON.



CLOSED.

OPEN.

No. 0800-G—3 pieces, knife, fork and spoon with corkscrew, 4 in. crocus polished steel knife and fork, German silver spoon and bolster, brass lined, buffalo horn handle, per dozen .....$39.00 AIHJ

A splendid article for camp use.

ONE IN A BOX.

CARTRIDGE KNIVES.

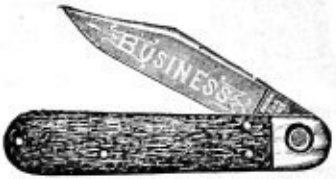


No. 30-NG—1 blade, straight, Krag-Jorgensen cartridge, glazed, 3⅞ in. closed, 4⅛ in. open, per dozen CJJ $4.00

The handle is made from genuine 30-calibre U. S. Army Krag-Jorgenson Cartridge. The blade is finest quality Wardlow Steel. A fine item for souvenir purposes.

ONE-HALF DOZEN IN A BOX.

PRESS BUTTON, FOLDING.



No. 943G—1 blade, polished, 3 in., stag handle, iron lined, length closed 4 in. .....per dozen JGBJ $12.00



No. 944G—1 blade, polished, 3⅞ in., stag handle, iron lined, length closed 4⅝ in. .....per dozen JHDJ $14.00



No. 953G—1 blade, polished, 3¼ in., stag handle, iron lined, patented, self-adjusting, German silver guard, length closed 4⅞ in. .....per dozen AADJ $19.00

By pressing the button shown in bolster, the blade will fly open and become firmly locked in place. To close the blade it is necessary first to press the button.

HALF DOZEN IN A BOX.

COMBINATION KNIVES.



No. 5195-G—Morley, five tools, 1 punch, 1 large blade, 1 pair of pliers, 1 pair of wire cutters, 1 screw driver, stag, brass lined, steel bolsters and shackle, made of finest English steel, length over all 4½ in., per dozen ADDJ $24.00

ONE-HALF DOZEN IN A BOX.

POLICE GOODS.

HELMETS.



No. 10—Private's.....each DBJ $7.00

CAPS.



No. 20.



No. 30.

No. 20—Private's or Patrolmen's, with numbers .....each BGJ $4.50
No. 30—Officer's, with title, each .....CCJ 5.50

BUTTONS.





"P," Coat, gilt...per dozen JGJ $1.20
"P," Vest, gilt...per dozen EE .90
"CP," Coat, gilt..per dozen JGJ 1.20
"CP," Vest, gilt..per dozen EE .90

STARS.



No. 20—Six point, 3¼ in., with word "Police" enameled, each JIE $1.60



No. 30.



No. 15.

No. 30—Five point, officers', German silver, finely nickel plated, engraved "City Marshal" or "Chief of Police," as desired .....each AAJ $1.80
No. 15—Six ball point, officers', German silver, finely plated, engraved "City Marshal" .....each AHJ $3.00

The No. 15 will be engraved "City Marshal" only, at our regular price. For any other wording add 33⅓% to the price.

All stars have strong safety pins. Special designs of stars or badges can be furnished on short notice.

POLICE CLUBS.



No. 10—Bean's, 10 in., flexible, w't 7 oz. .....each BAJ $3.50
No. 12—Bean's, 12 in., flexible, w't 12 oz. .....each BDJ $4.00
No. 14—Bean's, 14 in., flexible, w't 16 oz. .....each BFE $4.40

These clubs are made of sole leather, and brought together under a heavy pressure over steel wires, cemented and riveted, and covered with the same material, securing a perfect surface without break or seams and very slightly elastic. They are the most effective clubs in use.

BISSELL FLEXIBLE.

Best Sole Leather Washers Over Wire Springs, Washers are Cemented by a Patent Process, Thus Insuring the

Flexibility.

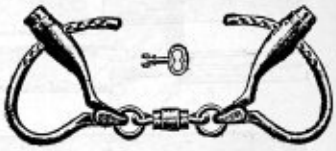
No. 110—10 in. .....each AEJ $2.50
No. 112—12 in. .....each AHJ 3.00
No. 114—14 in. .....each BAJ 3.50

Each club is properly shapea and fitted with a rawhide wrist thong on a swivel fastener.

Carry a greater variety and smaller stock by confining yourself to a single brand.

Thousands of articles bear the brand OVB—our guaranty of quality.

HAND CUFFS.



Marlin, Improved Form, Automatic Double Locked, Double Swivel Joint.

No. 31—Nickel plated, w't 1⅝ lbs., per pair .....DBE $7.10

No. 32—Polished, w't 1⅝ lbs., per pair .....CFJ $6.00

Constructed from best steel drop forgings, quickly adjusted and automatically double locked. Locking bar notched on both sides and secured by double lock, so that an attempt to pick one side makes the other more secure. No sharp edges to wear and tear the clothes. Easy to carry in pocket.



No. 24.



No. 27.

No. 24—Nickel plated, handles interlocked, w't 3 oz., per doz. JIDJ $15.70

No. 27—New Pattern, detective, polished, swivel connection, w't 14 oz., per pair .....CDE $5.70

No. 28—Nickel plated, otherwise same as No. 27 .....per pair DBJ $7.00

TWISTERS AND NIPPERS.



No. 20.



No. 21.

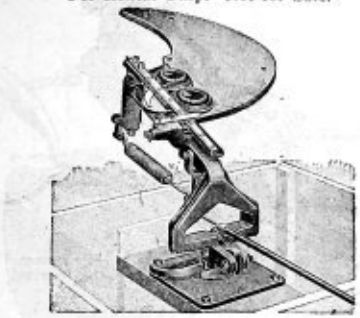
No. 20—Nickel plated, w't 4½ oz., each .....JGE $1.25

No. 21—Automatic, self-closing and locking, w't 7 oz. ....each AIJ $3.20

TARGET TRAPS AND SUPPLIES.

TARGET TRAPS.

Ideal-Leggett.
For Rental Only. Not for Sale.



The Only Trap Without a Carrier.

The Ideal-Leggett Trap is a high grade machine, leased to throw Blue Rocks only. This trap is not for sale, but is rented at minimum prices to increase the sales of the famous Blue Rocks. In the past few years, nearly one thousand gun clubs, after an expensive experience with old style carrier traps, have installed the Ideal-Leggett and found that the annual rental of $10.00 was less than the former annual repair expense, to say nothing of the yearly depreciation of other traps.

Gun clubs should install the trap that will be used at all the large tournaments, as practice over other traps is a detriment. No trap made throws a snappy, sporty target as the Ideal-Leggett, whether in singles or doubles.

The makers lease these traps for the purpose of throwing Blue Rocks only, at $30.00 for the first and $10.00 for each of the following years, with a rebate of $15.00 for return at the expiration of any year, provided conditions of contract have been fully observed.

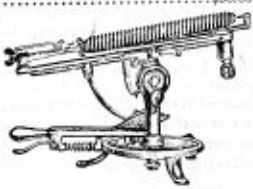
The Chamberlin Cartridge & Target Co., Cleveland, Ohio, fully guarantee these traps in every respect, keeping them in repair free of charge with the exception of springs and rubbers, which we quote under "Trap Repairs."

To gun clubs having Leggett traps, the manufacturers furnish the Ideal upper and new pulling stand to attach to their Leggett base for net, $10.00. Weight of upper stand, 150 pounds.

Weight of trap complete, with pulling stand and pipe, 380 pounds. For shipment only F. O. B. cars, Cleveland, Ohio.
First year's rental, net★.....$30.00



Blue Rock Extension Spring.



Blue Rock Expert.

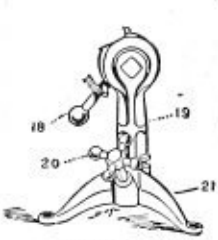
Blue Rock Extension Spring, w't 28 lbs. ....each **DHJ** $8.00
Blue Rock Expert, w't 30 lbs. .....each **JFIJ** 11.50

CLAY PIGEONS.

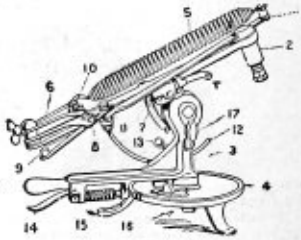


Blue Rock .....per 1,000 **EGJ** $9.50
500 IN A BARREL, W'T ABOUT 130 LBS.

TRAP REPAIRS.



Extension Spring.



Expert.

Both of the above traps use the same throwing mechanism, of the latest design. In ordering repairs for older types, special mention should be made that the mainspring is under the arm instead of above.

No. 1—Arm★	each	**DB**	$0.70
No. 2—Frame★	each	**AHJ**	3.00
No. 3—Post★	each	**AEJ**	2.50
No. 4—Base★	each	**AHJ**	3.00
No. 5—Main Spring	each	**DB**	.70
No. 6—Main Spring Eye Bolt and Screw	each	**AB**	.20
No. 7—Trigger Spring	each	**AB**	.20
No. T—Trigger	each	**AH**	.30
No. 8—Carrier	each	**JIJ**	1.50
No. 9—Carrier, Rubber	each	**JD**	.06
No. 10—Carrier Tension, complete	each	**AH**	.30
No. 11—Carrier Bolt, Spring and Washers	each	**AH**	.30
No. 12—Elevation Rod★	each	**AH**	.30
No. 13—Elevation Screw★	each	**AB**	.20
No. 14—Grip Lever★	each	**AH**	.30
No. 15—Grip Lever Spring★	each	**AB**	.20
No. 16—Grip Lever Bolt★	each	**AB**	.20
No. 17—Pulley★	each	**AB**	.20
No. 18—Extension Elevation Lever★	each	**AH**	.30
No. 19—Extension Post★	each	**DB**	.70
No. 20—Extension Base Screw★	each	**BD**	.40
No. 21—Extension★ Base	each	**JIJ**	1.50

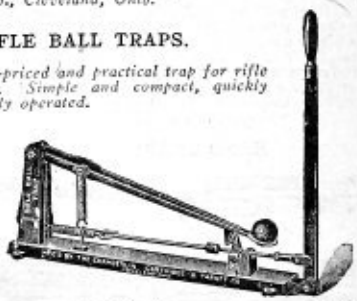
IDEAL-LEGGETT TRAP REPAIRS.

Main Springs	each	**DB**	$0.70
Return Springs	each	**DB**	.70
Carrier Springs	each	**JF**	.10
Carrier Rubbers	each	**JF**	.10

All repairs other than the above listed for the Ideal-Leggett Trap are made free of charge by the Chamberlin Cartridge and Target Co., Cleveland, Ohio.

RIFLE BALL TRAPS.

A low-priced and practical trap for rifle shooting. Simple and compact, quickly and easily operated.



Rifle Ball Traps, w't 12 lbs.★ .....each **CFJ** $6.00

RIFLE BALL TARGETS.



Compostition Rifle Balls, 1⅝ in. diam.★..per 1,000 **EGJ** $9.50
1500 IN A BARREL, W'T ABOUT 220 LBS. SOLD ONLY IN FULL BBLS.

★*FOR FACTORY SHIPMENT ONLY.*

TARGETS AND TARGET TRAPS.

CLAY TARGETS.



White Flyer—W't per 1000, 260 lbs....per thousand **EGJ** $9.50

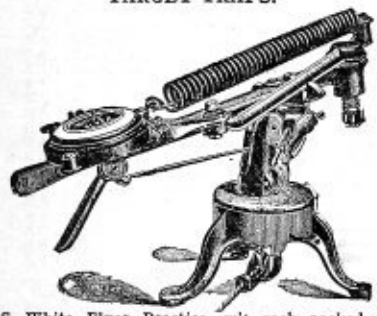
In the production of White Flyer Targets nothing but the best materials are used. Being manufactured by automatic machinery, they run uniform, insuring perfect operation in all standard traps.

As a "breaker" and producer of high scores, the White Flyer stands alone, the white band lending material advantage over any other color against any kind of background.

As a "shipper," "trapper" and "pick-up" the White Flyer target is unexcelled.

FIVE HUNDRED IN A BARREL.

TARGET TRAPS.



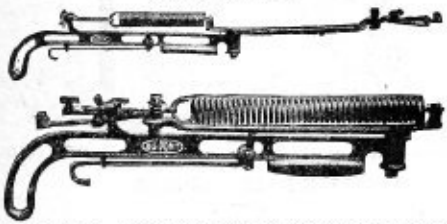
No. 3-S—White Flyer Practice, w't each packed 30 lbs., each ..... **JFIJ** $11.50

This trap will be found heavier and more compact than others of its kind now in use, all its working parts being large and strong with well fitted bearings, assuring positive action in every detail.

A feature that will be readily appreciated, especially on shooting grounds where traps are permanently set and attached to a fixed wire trap pull, is the Central Trigger Pull, which allows the trap to be changed to any desired angle, without interfering with the pulling device. In other words, the wires or ropes always have the same length and tension, assuring a quick release of the target at a call of "Pull!"

ONE IN A CASE.

HAND TRAPS.

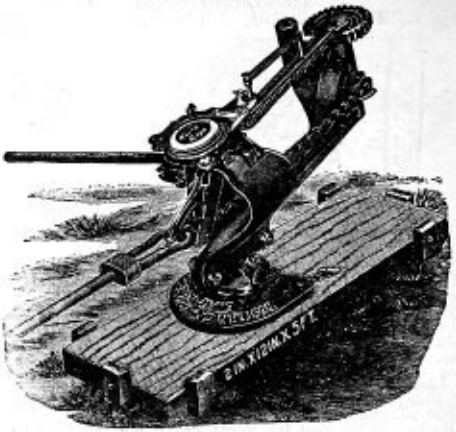


No. 37—DuPont, length 21 in. folded, finished in handsome battleship gray color, w't each 6 lbs.....each **CIJ** $6.50

This Hand Trap is not a toy, but is a thoroughly practical appararatus for throwing clay targets by hand. It is constructed to give the greatest strength and power with minimum weight. The best materials only are used, and it will give a lifetime of good hard service if used with reasonable care.

ONE IN A CASE.

TARGET TRAPS.



No. 2-S.

No. 2-S—Single Western Automatic, furnished complete excepting pipe, throws single targets only, w't each, packed, 130 lbs.★ .....each **CIJJ** $43.50

No. 2-D—Double Western Automatic, complete with attachment for throwing double as well as single targets, w't each, packed, 140 lbs., otherwise same as No. 2-S, each★ ..... **DEJJ** $50.00

Specifications of Western Automatic Traps.

Frame—One piece, best gray iron. No bolts or nuts to loosen and cause trouble.

Base and Spindle—Taper socket, self-adjusting, babbitted to insure fit and wearing qualities.

Angle Stop—Adjustable, positive fastening.

Arm—Forged steel, very strong.

Shaft—Cold rolled steel. Removable in one minute's time.

Main Spring—Best quality, highly tempered.

Chain—Diamond, high grade motor.

Carrier—Top feed, aluminum and steel. So constructed as to impart high rotary movement to target.

Pull Stand—Best gray iron. Heavy and strong.

Setting Lever—Tubular. easily detached to protect trap against vandalism.

Release—"Western" instantaneous wire system.

Pipe Connections—Strong. Tapped for ¾ in. pipe.

Adjustments—Simple, positive and easily made.

Finish—Brilliant green.

The Westen Automatic Trap is too well known to require much in the way of introduction. It has been used in a majority of the country's greatest shooting tournaments, including the Grand American and Subsidiary Handicaps of the Interstate Association.

Shooters find that this trap releases targets instantaneously. The trap is so arranged that there is no exposed pulling pipe nor awkward lever pull target release to distract the attention at the moment of firing as the pulling wires are concealed in a pipe and the trap is sprung by a slight clasp of the release handle.

The Western Automatic Traps are built of superior material under the supervision of expert mechanics.

THESE TRAPS ARE SOLD OUTRIGHT AND GUARANTEED TO GIVE SATISFACTION.

ONE IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

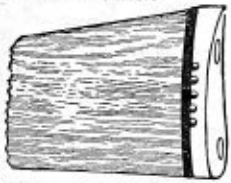
RECOIL PADS AND SHOOTERS' SUNDRIES.

RECOIL PADS.



No. 98—Moulded soft red rubber cushion vulcanized to a hard rubber base, w't per doz. 6 lbs., per doz. **BIFJ** $48.60

Through the soft cushion, there are oblong holes, slanting at an angle of 45 degrees in line with the stock. Between the holes there are walls of rubber that fold each on the other when the gun is discharged and spring back in their normal position when the pressure is relieved, thereby taking up the recoil. These walls of rubber further serve to eliminate the upward whip of the muzzle at the time of discharge and maintain balance of gun for second shot. This also stops flinching for the reason that it prevents sore shoulder.



No. 97—Pennsylvania Ventilated, red rubber, Silver's pattern, w't per doz. 3 lbs. .....per dozen **AIDE** $32.40

AKRON RECOIL PADS.





No. 91½—NORKO calf skin with good rubber recoil, laced for 10, 12 and 16 gauges.....per dozen **JHAJ** $13.50

No. 91-2—Akron, sponge rubber moulded, covered with an excellent grade of smooth finished leather, laced for 16 gauge .....per dozen **AAGJ** $19.50

No. 91-3—Akron, for 12 gauge, otherwise same as No. 91-2, per dozen .....**AAGJ** $19.50

Easily slip over the butt end of the gun stock and give perfect fit with long service. The cushion is of a prepared soft rubber, slightly corrugated and covered with leather.

RECOIL PADS.



No. 95½.



No. 96.

No. 95½—Genuine Silver, red rubber on a hard rubber base, medium, per dozen .....**CFJJ** $60.00

No. 95½-F—Including fitting to any gun stock .....per dozen **EGFJ** $120.00

No. 95½ is the genuine pad, made in England.

No. 96—Heavy orange laced leather, 5¼ and 5½ in. butt, per dozen .....**DEJ** $7.50

RECOIL PADS.



No. 90-2—Red rubber, for 5 in. stock, per dozen .....**AADJ** $19.00

No. 90-3—Red rubber, for 5¼ in. stock, per dozen .....**AADJ** $19.00

No. 90-4—Red rubber, for 5½ in. stock, per dozen .....**AADJ** $19.00

Y. C. RECOIL PADS.



No. 195—Stiff fibre back screwed tight against the gun stock, soft sponge rubber between fibre and shooter's shoulder, rubber covered with high grade calf skin, w't per doz. 4 lbs., per dozen .....**BAFJ** $36.00

This pad is the result of years of study and experience by the well known shooters, Young and Cadwallader. It is guaranteed in every way and will entirely do away with lame shoulders.

ONE IN A BOX; SIX IN A CARTON.

HEIKE'S HAND PROTECTORS.



Showing Use of Hand Protector.



Medium Cut.

No. 112—12 gauge, length 6 in., medium, per dozen .....**JGBJ** $12.00

No. 112½—12 gauge, length 9 in., medium cut .....per dozen **ABJJ** $20.00

In ordering specify style as well as number.

SHOOTING GOGGLES.



No. 6480—Patented hinge center, made to conform to the face and nose, gold filled temples, covered with rubber tubing, lenses without focus, to be used as protector only, may be procured with correction ground—at special prices—as in regular spectacles or eyeglasses, thus doing away with the necessity of wearing other glasses, complete in pocket case, per dozen .....**EGFJ** $96.00

No. 6481—With smoked lenses, otherwise same as No. 6480, per dozen .....**JHFDJ** $144.00

TRAP SHOOTERS' SCORE BOOKS.



No. 10—Sportsmen's Review, 9x11½ in., cloth covered, 150 perforated score sheets, each with space for scores of 25 shooters, with trap shooting rules and full information for conducting shoots .....each **ABJ** $2.00

SPORTSMEN'S ENCYCLOPEDIA.



No. 12—Complete, 6¼x8¾ in., handsomely bound in good quality cloth cover, stamped in gold, each .....**JGJ** $1.20

It is a 544 page book full of instructions from start to finish, page after page, picture after picture, 1,000 illustrations by Buzzacott, the standard authority for camping and camp outfits, hunting and hunting outfits, angling and angling outfits, big game, hunters, trapping, guides, amateurs or experts. An encyclopedia of valuable instruction. America's greatest book on these subjects. Every sportsman wants one.

TRAPS.

REVONOC GAME TRAPS.



Steel With Chain.

No. 100G REVONOC—Rat, single spring, 3½ in. jaw, w't per doz. 6 lbs., per dozen .....**AAE** $4.25

No. 101G REVONOC — Muskrat, single spring, 4 in. jaw, w't per doz. 8 lbs., per dozen .....**ACE** $5.00

No. 101½G REVONOC—Mink, single spring, 4⅜ in. jaw, w't per doz. 11½ lbs., per dozen .....**BJE** $7.50

No. 102G REVONOC—Fox, double spring, 4¾ in. jaw, w't per doz. 14 lbs., per dozen .....**JBHE** $10.50

No. 103G REVONOC—Otter, double spring, 5½ in. jaw, w't per doz. 23 lbs., per dozen .....**JCHJ** $14.00

No. 104G REVONOC—Beaver, double spring, 6½ in. jaw, w't per doz. 27 lbs., per dozen .....**JDDE** $16.50

REVONOC *Traps are of superior quality. The springs are made from spring steel, carefully tempered. When opened the* REVONOC *Traps lie very flat so that they can be easily secreted in the runways of animals. The chain is strong, well made and will stand the severest test.*

NO. 100G, THIRTY-FIVE, NO. 101G TWENTY-FIVE, NO. 101½G TWENTY, NO. 102G TWELVE, NO. 103G EIGHT, AND NO. 104G FIVE DOZEN IN A BARREL.



No. 1G.

All Steel With Chain.

No. 200-B REVONOC—Rat or Copher, single spring, w't per doz. 6½ lbs., per dozen .....**ADE** $4.25

No. 201-G REVONOC—Muskrat, single spring, w't per doz. 8 lbs., per dozen .....**AGJ** $5.00

No. 201-G REVONOC—Mink, single spring, w't per doz. 10 lbs., per dozen .....**BEE** $7.50

Traps of this pattern are popular with trappers because they are light weight, yet strong. They are easily transported and a greater number can be taken to the trapping grounds. Easily secreted in the narrow runways of animals because so compact in form.

REVONOC *Traps are strongly made, carefully inspected and guaranteed.*

TWELVE DOZEN IN A CASE.

TRAP CLAMPS.



No. 5G—For setting No. 5G, w't per doz. 10½ lbs. .....per dozen **CDJ** $6.00

No. 6G—For setting No. 6G, w't per doz. 24 lbs. .....per dozen **JEGJ** $10.00

NEWHOUSE WITH CHAIN.



No. 2G.

No. 0G—Rat, 3½ in., single spring, w't per doz. 7¾ lbs., per doz. **BDJ** $4.25

No. 1G—Muskrat, 4 in., single spring, w't per doz. 10 lbs., per dozen .....**BHE** $5.00

No. 1½G—Mink, 4⅝ in., single spring, w't per doz. 15 lbs., per dozen .....**DBE** $7.50

No. 2G—Fox, 4⅝ in., double spring, w't per doz. 18 lbs., per doz. **JFJJ** $10.50

No. 2½G—Otter, 5½ in., single spring, w't per doz. 26 lbs., per dozen .....**JIDJ** $16.50

No. 3G—Otter, 5⅝ in., double spring, w't per doz. 28 lbs., per doz. **JHJJ** $14.00

No. 4G—Beaver, 6½ in., double spring, w't per doz. 38 lbs., per dozen .....**JIDJ** $16.50

No. 5G—Bear, 11¾ in., double spring with teeth, w't per doz. 234 lbs., per dozen .....**JFHDJ** $120.00

No. 6G—Grizzly Bear, 16 in., double spring with teeth, w't per doz. 525 lbs., per dozen .....**AEIFJ** $280.00

These traps are most carefully made in every detail, of the finest materials and are all thoroughly tested and guaranteed in every way.

NOS. 0G AND 1G TWELVE DOZEN IN A CASE, NO. 1½G TWENTY-FIVE, NO. 2G FIFTEEN, NO. 3G TEN DOZEN IN A BARREL, NO. 4G SEVEN DOZEN IN A BARREL.



No. 81G—Webbed jaws, spread of jaws 4 in., with chains, w't per doz. 11 lbs., per dozen .....**CAE** $5.50

Corresponds in size with a regular "Newhouse" No. 1.

From the cross section at the left it is plain that the animal can only gnaw off its leg at a point below the meeting edges. The flesh left above the point of amputation and below the jaws will swell, and make it impossible to pull the leg stump out of the trap.

12 DOZEN IN A CASE.



No. 91G—Double jaw, spread of jaws 5½ in., with chains, w't per doz. 11 lbs. .....per dozen **CDJ** $6.00

No. 91½G—Double Jaw, spread of jaws 6¼ in., with chains, w't per doz. 17 lbs .....per dozen **EAE** $9.00

The double jaws take a firm grip so high up on an animal that he cannot twist out.

For Muskrat, Skunk, Mink, Raccoon, Fox or Woodchuck.

NO. 91G THIRTY DOZEN, NO. 91½G, TWENTY DOZEN IN A BARREL.



No. 5G.

ONEIDA JUMP TRAPS.



Double Jaw with Chains.

No. 91G—Muskrat or skunk, 4¾ in., single spring, w't per doz. 8 lbs., per dozen .....**BJE** $6.00

The double jaws take an easy and firm grip so high up on the muskrat that he cannot twist out, neither can the skunk gnaw out. Double jaws rarely break the leg bones because of the double surface.

TWELVE DOZEN IN A CASE.



Single Spring.

All Steel with Chain.

No. 0G—Rat or Gopher, 4 in., single spring, w't per doz. 5½ lbs., per dozen .....**ADE** $4.25

No. 1G—Muskrat, 4¾ in., single spring, w't per doz. 8 lbs., per dozen .....**AGJ** $5.00

No. 1½G—Mink, 5¼ in., single spring, w't per doz. 10 lbs., per dozen .....**BEE** $7.50

No. 2G—Fox, 5½ in., single spring, w't per doz. 14 lbs., per doz. **JCEJ** $10.50

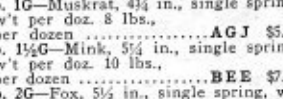
No. 3G—Coyote or Badger 6½ in., single spring, w't per doz. 22 lbs., per dozen .....**JDHJ** $14.00

No. 4G—Otter, 7¼ in., single spring, w't per doz. 28 lbs. per doz **JEFE** $16.50

Jump traps are light, compact and guaranteed as to quality.

NOS. 0G, 1G *and* 1½G, TWELVE DOZEN IN A CASE, NO. 2G, TWENTY. NO. 3G, TWELVE. NO. 4G, TEN DOZEN IN A BARREL.

VICTOR WITH CHAIN.



No. 1G.

No. 0G—Rat, 3½ in., single spring, w't per doz. 5 lbs., per doz. **AAE** $4.25

No. 1G—Muskrat, 4 in., single spring, w't per doz. 7¼ lbs., per dozen .....**ACE** $5.00

No. 1½G—Mink, 4⅝ in., single spring, w't per doz. 11 lbs., per dozen .....**BJE** $7.50

No. 2G—Fox, 4⅝ in., double spring; w't per doz. 14 lbs., per doz. **JBHE** $10.50

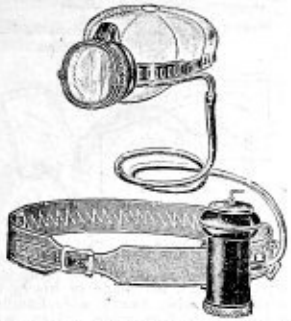
No. 3G—Otter, 5½ in., double spring, w't per doz. 22 lbs. per dozen .....**JCHJ** $14.00

No. 4G—Beaver, 5⅞ in., double springs, w't per doz. 24 lbs., per dozen .....**JDDE** $16.50

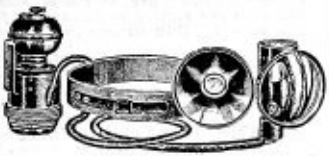
PACKED IN BARRELS, NO. 0G, FIFTY-FIVE DOZEN, NO. 1G, FORTY, NO. 1½G TWENTY-FIVE, NO. 2G, FIFTEEN, NO. 3G, TEN, NO. 4G SEVEN.

HUNTING LAMPS, TORCHES AND GALLERY TARGETS.

HUNTING LAMPS.



No. 90—Columbia, acetylene, brass, gun metal finish, w't of headlight 6 oz., diam. 2¾ in., ground imported double convex lens, rubber tubing, generator 5½ in. long, 2 in. in diam., carbide capacity for 5½ hours, w't 16 oz., each .....**DBJ** $7.50



No. 2SG—Kruschke, acetylene, single lens, 6x2½ in. generator, convex glass, 4 in. in diam., style 2 adjustable candle burner, hinged front door to shut off light, 3 ft. of ¼ in. rubber tubing, leather head strap, w't complete 2 lbs. .....each **DHJ** $8.00

No. 2SD—Acetylene, double lens, with heavy magnifying 2½ in. bull's eye lens, otherwise same as No. 2SG, each .....**EAJ** $8.50

ONE IN A BOX.



No. 100DG.



No. 290DG.

No. 100DG—Justrite, nickel plated brass, height 3¼ in., 2 in. German silver reflector, with hood, improved soot-proof burner tip, cap hook and handles, complete with one extra carbide container and directions, w't each 10 oz. ...per dozen **ADDJ** $24.00

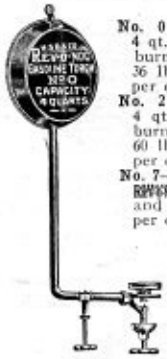
Burns four hours to one filling.

No. 290DG—Baldwin, brass, nickel plated and highly polished, height 3½ in., hinged handles, hook for cap or belt, concentrating reflector, with extra carbide container, w't each 6 oz. .....per dozen **AFBJ** $27.00

One filling gives 14 candle power for three hours.

ONE IN A CARTON; ONE DOZEN IN A PACKAGE.

OUTDOOR TORCHES.



No. 0 REV-O-NOC—Gasoline, 4 qt., japanned tank, 1 burner, w't per doz. 36 lbs., per dozen **ABJJ** $20.00

No. 2 REV-O-NOC—Gasoline, 4 qt., japanned tank, 2 burners, w't per doz. 60 lbs., per dozen **BABJ** $36.00

No. 7—Extra burners, for REV-O-NOC torches, Nos. 0 and 2, per dozen **JIFJ** $16.00

No. 0.

Pipe runs through the tank and is securely fastened on top to the hinge. In use the entire torch is supported by hinge and pipe, with no strain on tank.

Made for rough usage. Strong winds will not extinguish the flame.

ONE DOZEN IN A CASE.



No. 6 REV-O-NOC—Gasoline, 10 qt., galvanized tank, 1 burner, w't per doz. 78 lbs., per dozen **BHHJ** $48.00

No. 8—Extra burners, for No. 6 REV-O-NOC, per dozen **ADDJ** $24.00

No. 6.

Produces a powerful and steady flame.

SIX TORCHES IN A CASE.

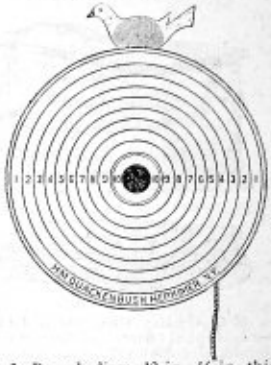


No. 1G—Baker, gasoline, 5 qt., japanned tank, 1 burner, w't per doz. 72 lbs. .....per dozen **BHHJ** $48.00

No. 9—Extra burners, for No. 1G torch, per dozen .....**AJHJ** $18.00

ONE IN A CRATE.

GALLERY TARGETS.

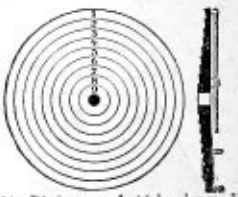


No. 3—Round, diam. 12 in., ¼ in. thick, with bell and image, made of a grade of metal particularly adapted to stand cartridges, with ¾ in. diam. bull's eyes, w't 12 lbs.....each **CJJ** $5.00

When bull's-eye is hit, a bird rises and the bell, similar in sound to an electric bell, rings a few seconds.

While designed for the use of 22 caliber cartridges, the spring may be quickly adjusted for service as an air rifle target.

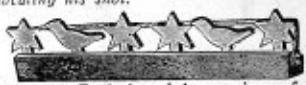
We can furnish No. 3 Targets with ⅜ in., ⅝ in. and 1 in. bull's eyes at same price for shipment from factory.



No. 19¾—Plain round, ⅜ in. iron, diam. 12 in., ¼, ½ and ¾ in. open bull's eye, for BB caps, ringing gong when bull's eye is hit, self-setting, w't 13½ lbs., each .....**AEJ** $2.50

No. 19—Same as No. 19¾, ¾ in. iron, with ¼, ½, ¾ and 1 in. open bull's eye, for 22 caliber cartridges, w't 20 lbs. .....each **BAJ** $3.50

The construction of the target's surface brings out each numbered circle clearly, thus aiding the marksman in locating his shot.



No. 0116—Entirely of heavy iron, for 22 caliber cartridge, birds and stars falling back when hit, 6 objects to shoot at, made for outdoor shooting, reset by rope from stand, w't 13¼ lbs. .....each **AHJ** $3.00

No. 0118—Same as No. 0116 but larger, with 8 objects to shoot at, w't 23 lbs., each .....**BDJ** $4.00

These targets are substantially made, and will stand extreme wear and tear. The heavy metal objects have their weights so evenly distributed that the entire target is reset with a slight tug at the rope.

CAMP STOVES AND KITS.

OUTING STOVES.



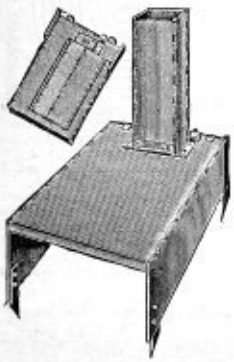
No. 50-G—Outing, sheet steel, folding, with hinged doors, sliding circular joints, size 26x10x11½ in., oven 8x10x 6 in., takes 5 in. pipe, w't 12½ lbs., each .....**CFJ** $6.00

Can be put together without the use of tools or rivets, and forms an air-tight stove in which the draft can be regulated to a nicety. The stove can be easily taken apart.

In assembling, the sides are secured to the bottom by sliding the sections together; the front and back sections are then forced down, after which the bottom, sides and top of oven are put into position; the top is next slid on from the front.

ONE IN A BOX.

CAMP STOVES.



No. 150-G—Klunk Unit, 24x14x16 in., heavy sheet iron, w't each 10 lbs., each .....**BDJ** $4.00

Canvas bag for above stove, each ..... **BB** $0.70

This stove is a complete unit, no separate parts, has folding stove pipe, stove and pipe fold absolutely flat, less than 1 in.; can be put up or taken down in a few seconds; uses any length wood, will not soil or discolor any cooking utensils.

ONE-HALF DOZEN IN A BOX.

CAMPERS' STOVES.



No. 125-G—Campers', sheet steel, with hinge doors, two holes with covers, six feet telescope pipe, size 23x12x12 in., oven 10x10x6 in., w't 15 lbs., each .....**AIE** $3.20

KLONDYKE KAMP KOOKER.



No. 151G—Klondike Kooker, 22 gauge smooth steel, back well riveted to body, front reinforced by heavy band iron rim, 14x30 in., 5 in. pipe collar, w't 20 lbs., each stove with five joints of 14 inch collapsible pipe, not including oven and grub box, each ..... **JFGJ** $11.20

No. 152-G—Oven, curved on lower side and flat on top, 13x15x9½ in. outside, 11x15x6 in. inside, takes a 10x14 in. bake pan, w't 9 lbs., oven with 10x14 bake pan, each.....**DCJ** $7.20

No. 153-G—Grub box, 26 gauge galvanized iron, dust proof, will hold an entire cooking outfit for four people, 12x13x9½ in., tight rimmed cover, w't 5½ lbs. .....each **ADE** $2.40

Built for hard service as well as convenience, front end of stove is a tight rimmed cover that can be removed leaving the opening in shell full sized for packing oven, grub box and camp outfit, takes wood 28 in. long, legs so attached they will bear any weight liable to be put upon them, will stand on soft dirt or sand without sinking.

The oven makes a convenient place to keep the grub and coffee warm, as well as being a perfect baker.

POCKET KOOK-KITS.

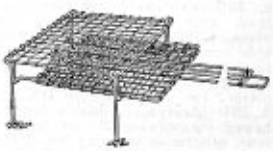


No. 126—Consists of two 9x4x1 in. pans, two 4½x2½x3 in. drinking cups, one 4½x3½x8½ in. coffee, soup and water boilers, all made of heavy tin with detachable heavy wire handles, a collapsible fire grate 7x8 in. with four heavy wire legs, 7¾ in. long, all parts on grate electric welded, w't 2 lbs. .....each **BAJ** $3.50

The only perfect pocket Kook-Kit made. Can be easily put together and taken apart. The two pans are designed for use as separate frying pans or roasting pans, by simply placing both bottoms together, one on top of other. The rims are seamed to form close fitting vessels. Will fit any coat pocket.

TWO DOZEN IN A CARTON.

CAMP GRATE BROILER COMBINATION.



No. 128—Sackett, improved folding, consists of grate for coffee pot and skillet and broiler for steaks or game, size of grate 12x14 in., size of broiler 12x12 in., w't per doz. complete 48 lbs., per dozen .....**ADDJ** $24.00

CAMP GRATES.



No. 129—Sackett, one piece standing and folding broiler, 9x14 in., w't per doz. 18 lbs. .....per dozen **CFJ** $6.00

No. 130—Double, 14x18 in., w't per doz. 36 lbs., otherwise same as No. 129, per dozen .....**JIJJ** $15.00

DECOYS AND DECOY WEIGHTS.

AUTOMATIC CANVAS DUCKS.





No. 14—Collapsible decoys, mallard only, canvas body, wooden float and head block, one wire spring head support, one wire tail support, complete with anchor and cords, assorted 8 males and 4 females to the dozen, per dozen .....**JFFJ** $12.00

These automatic canvas decoy ducks open up automatically, no lever, no cranks, no air pressure, they expand by means of a spring when the anchor cord is unwound. They are light in weight, pack in small space, can be collapsed quicker than any other decoy made. They give good service and are hard painted, true to life.

ONE DOZEN IN A NEAT CARRYING BOX, WITH HANDLE; W'T PER DOZEN ABOUT 14 LBS.

FOLDING PAPER DUCKS.



Johnson's Mallard, Blue Bill and Canvas Back Decoy Ducks, Specify Kind When Ordering.

No. 25—Folding decoys, life size, drakes and hens, assorted, printed on a heavy grade of jute cardboard, a very tough stock, put through a waterproofing process which makes it impossible to absorb moisture, made to float by inserting a quarter-inch pine board which fits snugly inside the body when unfolded, board is dyed water color and also waterproofed, fitted with a pendulum weight weighing about an ounce to retain its upright position, w't complete 6 oz. .....per dozen **BBJ** $4.00

No. 27—Paper portion only, for No. 25 decoys, specify kind when ordering, per dozen .....**ADJ** $2.50

Cheapest, lightest and most compact decoy made. Easily carried in a hunting coat.

ONE DOZEN BOARDS IN A PAPER BOX; ONE DOZEN PAPER PORTIONS IN AN ENVELOPE.

KANKAKEE WOOD DUCKS.



Mallard, Canvas Back, Red Head, Blue Bill, Sprig Tail and Blue Winged Teal.

No. 1—Glass eyes, best grade, assorted, per dozen .....**DIE** $9.00

No. 2—Tack eyes, second grade, assorted.....per dozen **DBE** $7.70

No. 3—Painted eyes, third grade, assorted.....per dozen **CFJ** $6.50

No. 3 not carried in canvas back.

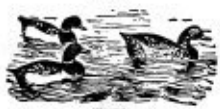
No. A1—Extra quality, glass eyes, mallards only, assorted, two-thirds male and one-third female, w't per doz. 27 lbs.....per dozen **JFFJ** $12.00

These decoys are made of the best seasoned white cedar, flat bottomed, will float evenly on the water at all times, are well balanced and nicely painted. Assorted one-third female and two-thirds male.

ONE DOZEN IN A CRATE. AVERAGE W'T PER DOZEN 33 LBS.

FOLDING WOOD DUCKS.



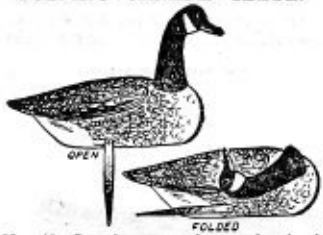


No. 6—Illinois River, profile, 3 in group, 2 male and 1 female, painted in natural colors to represent male and female mallards, canvas backs, blue bills, black mallards, whistlers, red heads, teal and widgeons—mallards will always be sent unless otherwise specified—w't per doz. 10 lbs., per dozen .....**DIE** $9.00

Four floats take one dozen of the decoys. One cord and anchor for each group of three decoys.

ONE DOZEN IN A STRONG CARRYING BOX.

FOLDING CANADA GEESE.



No. 12—Canada geese decoys for land shooting, profile wooden bodies, folding metal heads and folding woollen sticks which may be pressed into the ground, natural appearing, w't per doz. 6 lbs....per dozen **JFJE** $11.00

ONE DOZEN IN A NEAT CARRYING BOX.

FOLDING CANADA GEESE.



Goose Decoys open ready for use.

No. 10—Illinois River, Canada geese, profile, 3 in group, colors accurately represented, four floats take one dozen of the decoys, one cord and anchor for each group of three, w't per doz. 12 lbs.....per dozen **JGGJ** $14.00

ONE DOZEN IN A STRONG CARRYING BOX.

LIVE DECOY FASTENERS.



No. 17—Samuell, flat brass collar, hinged to admit of fastening, riveted ring for cord, w't per doz. 3 oz., per dozen .....**ADJ** $2.50

Fastens around neck and has many advantages over leg fastening. Ducks can remain in water longer, as they have better use of their feet. Don't splash water all over you when taking them up.

DECOY WEIGHTS.



No. 15—Galvanized iron, 4¼x2¾ in., w't per doz. 6 lbs., per dozen .....**JHE** $1.50

DECOY STRING AND WEIGHT HOLDERS.



No. 43—Galvanized iron, projecting points at ends which hold string and weights, supplied with screw eyes, w't per doz. 1 lb....per dozen **AHJ** $2.50

A patent device for winding and holding string with weight. After the string is wound up to the proper length, the weight suspended at the end of the string, serves to keep same from unwinding. It is only necessary to unwind enough string to anchor the decoy.

GRASS SUITS, SHOE DRESSING AND CALLS.

GRASS HUNTING SUITS.



Grass Hunting Suits, for wild goose, duck, and all kinds of shore bird shooting, made of long, tough marsh grass into cape-coat with hood, are convenient to wear and shoot from, make good waterproofs in rainy weather, are easily packed and carried, w't less than 4 lbs.,
per dozen ..... ADDJ $21.60

GAME CARRIER.



No. 0—Barnum, 2 tinned steel loops, stitched tan duck connecting strap, length folded 8 in., w't per doz. 2¼ lbs. .....per dozen ABJ $2.00

LOOSE.

DRI-FOOT SHOE DRESSING.



Dri-Foot—Waterproof leather shoe dressing, softens and preserves the leather, put up in ¼ and ½ pt. cans, enclosed in attractively decorated paper boxes, neat wire handled Dri-Foot applier with each can, ¼ pt. cans, w't per doz. 3 lbs.,
per dozen .....ADE $2.40

½ pt. cans, w't per doz. 6¾ lbs., per dozen .....BDE $4.00

"Dri-Foot" is advertised in the best papers and magazines throughout the country.

ONE DOZEN IN A BOX.

VISCOL SHOE DRESSING.



Viscol—Waterproof leather shoe dressing, ¼ pt. cans, w't per doz. 4½ lbs., per dozen .....ACJ $2.90

ONE DOZEN IN A BOX.

CALLS.



No. 760—Duck, cocobola wood, horn tip, per dozen .....BGJ $4.50

ONE DOZEN IN A BOX.

CALLS.



No. 759—Kankakee, duck, black walnut wood, finely tempered German silver reed, nickel ferrule,
per dozen .....BGJ $4.50
The wood is old, well-seasoned stock, treated with oil and will not shrink, check nor swell in any climate.

ONE-HALF DOZEN IN A BOX.



No. 768—Allen's, duck, wood shell, nickel plated end,
per dozen .....DBJ $7.00
These calls are as near perfection as can be attained each one being tuned by Mr. F. A. Allen, who is one of the oldest and most expert duck hunters in the country.

ONE-HALF DOZEN IN A BOX.



No. 767—Ditto's, duck, fitted with metal reed and wood inner parts, outside part hard maple wood and spun brass, length 4½ in.,
per dozen ..... DEJ $6.00

No. 769—Ditto's, duck, fitted with hand made rubber reed, rubber and cork inner parts, outside part of hard maple wood and spun brass,
per dozen .....JGBJ $12.00
No. 769 call is non-corrosive and is easily adjusted to suit the different voices of mallard, pintail, widgeon and other ducks without affecting the reed.

ONE DOZEN IN A BOX.



No. 752—Kankakee, crow, black walnut wood, finely tempered German silver reed .....per dozen BGJ $4.50
This call is made of the same kiln-dried, well-seasoned stock as the Kankakee Duck Call. Each is carefully tuned before shipment.

ONE-HALF DOZEN IN A BOX.



No. 750—Crow, nickel plated brass extension tube, cedar mouth-piece, per dozen .....JGBJ $12.00

ONE DOZEN IN A BOX.



No. 770—Fuller's, goose and crane, nickel plated extension tube,
per dozen .....ADDJ $17.00

ONE IN A BOX.

OILED CLOTHING AND HUNTING BOOTS.

Each step in the manufacture of this unequalled line of clothing, from the selecting of the long staple cotton, from which to make the special close-woven cloth, to putting on the brand, is taken with the one single purpose in mind—viz., TO MAKE AN OILED GARMENT THAT IS THE BEST THAT CAN BE MADE. A garment that is absolutely Waterproof, Durable, and entirely free from stickiness.

In addition to the extreme and minute care in the process of manufacturing, Clothing has several features, found in no other line. All Slickers and Frocks have Shoulder Caps, Elbow Patches, Inner Sleeves, Weather Pieces, Flannel-lined Collars, and Throat-pieces, Two Pockets. The Buttons on the Garments are patent Eyelet-Fastened Zinc Buttons with a smooth back that does away entirely with the annoying catching and tearing of clothing so common in other lines. Furthermore these buttons are superior to others in that they will not rust or corrode.

PLAIN SLICKERS.



Sizes 0, 1, 2 and 3.

No. 40 —Yellow, any size, w't per doz. 58 lbs. ....per dozen BHHJ $48.00

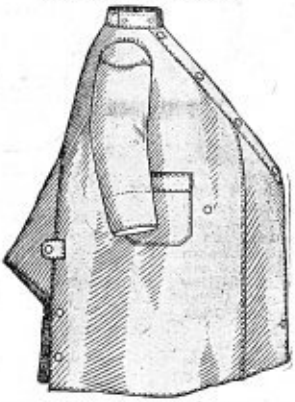
No. 41 —Black, any size, w't per doz. 58 lbs.....per dozen CJJJ $50.00
One dozen in a case assorted as follows—

2 only size 0, length 60 in., 44 in. bust.
4 only size 1, length 58 in., 42 in. bust
4 only size 2, length 56 in., 38 in. bust.
2 only size 3, length 54 in., 36 in. bust.

Guaranteed absolutely waterproof.

All goods branded are guaranteed to be of highest quality material and workmanship and free from imperfections.

POMMEL SLICKERS.



Sizes 0, 1, 2 and 3.

No. 44 —Yellow, any size, w't per doz. 68 lbs.....per dozen CCFJ $56.00

No. 45 —Black, any size w't per doz. 68 lbs.....per dozen CDHJ $58.00
One dozen in a case assorted as follows—

2 only size 0, length 60 in., 44 in. bust.
4 only size 1, length 58 in., 41 in. bust.
4 only size 2, length 56 in., 38 in. bust.
2 only size 3, length 54 in., 36 in. bust.

The most perfect garment ever invented for horsemen's use. Instantly adjusted in dismounting from a saddle to a walking coat, the alteration requiring the regulating of one button only.
Guaranteed absolutely waterproof.

KHAKI COLOR SLICKERS.

No. 47 —Pommel Khaki, with buttons.....per dozen CDHJ $58.00

No. 48 —Plain Khaki, with clasps.....per dozen CDEE $57.60

The sizes, weights, etc., are the same as on the black and yellow slickers.

ONE DOZEN IN A CASE.

SOU'WESTERN HATS.



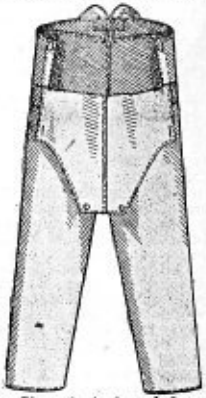
Black and Yellow.

—Nos.	3	4	5	6
Size, in.	6¾	7	7¼	7½

W't per doz. 4 lbs., per doz. CAJ $5.20

THREE DOZEN IN A CASE.

DOUBLE APRON PANTS.



Sizes 0, 1, 2 and 3.

No. 42 —Yellow, any size, w't per doz. 31 lbs.....per dozen ACIJ $21.20
Two dozen in a case assorted as follows—

4 only size 0, waist 46 in., leg 31 in.
8 only size 1, waist 44 in., leg 30 in.
8 only size 2, waist 42 in., leg 29 in.
4 only size 3, waist 40 in., leg 28 in.

Guaranteed absolutely waterproof.

RUBBER HUNTING BOOTS.



No. 2—Hip boots, pure rubber, tap sole, w't per pr. 6½ lbs., per pair....EFJ $9.30

No. 8—Thigh boots, pure rubber, square top, w't per pr. 6 lbs., per pair....EFJ $9.30

No. 18—Thigh boots, pure rubber, square high grade, light weight, w't per pr. 3¼ lbs., per pair..JFCJ $10.50

Sizes 7, 8, 9 and 10 are carried in stock.

LEATHER HUNTING BOOTS.



WITCH-ELK, Goodyear Welt, Waterproofed Cream Uppers, Wing Tip, Bellows Tongue, Box Toe, Brass Klondike Eyelets, No. 1 Waterproof Oak Outer Sole, Elk Middle Sole, 8-8 Flange Heel, Leather Lined Throughout, Rawhide Laces.

No. 0310—18 in., w't per pr. 5 lbs., per pair .....AADJ $17.50

No. 0312—15 in., w't per pr. 4½ lbs., per pair .....JIIE $15.00

Sizes 6, 7, 8, 9 and 10 are carried in stock. ONE PAIR IN A BOX.

GUARANTY ON OILED CLOTHING.

WE GUARANTEE OILED CLOTHING TO BE MADE OF THE BEST MATERIAL AND TO BE ABSOLUTELY WATERPROOF.

HIBBARD SPENCER, BARTLETT & CO.

REVO-NOC "STAY-STITCHED" HUNTING COATS.

REVO-NOC stay-stitched coats are the best in their respective grades and styles.
REVO-NOC stay-stitched coats are guaranteed to stay-stitched.
REVO-NOC stay-stitched coats have storm collars and tie-tabs.
REVO-NOC stay-stitched coats are put up one in a box and with a REVO-NOC silk label sewed on.



No. 30 REVO-NOC.



All REVO-NOC Stay-Stitched coat collars are made this way.

Cut on "Barnard's" Patterns



No. 32 REVO-NOC.

Stay-Stitched, Finest Quality Standard Duck, Lined with Fine 8 Oz. Duck and Double Stitched Throughout, Special REVO-NOC Corduroy Storm-Collar with Tie-Tab, Corduroy Adjustable Cuffs, 5 Outside Cut-in Pockets and 1 Whistle Pocket, Double Skirt Game Pockets, with Entrance at Front Edges and Back Seams, Shoulders Reinforced and Padded; Match Pocket Mackintosh Lined with Friction Striker on Inside Breast Lapel, Ventilated Gusset Under Arms Which Gives Great Freedom of Movement, Dead Grass Color, Horn Buttons, W't per Doz. in Boxes 36 Lbs.

STOCKED IN SIZES 38, 40, 42, 44 AND 46 IN.

No. 30 REVO-NOC .....per dozen **BFAJ** $43.50

No. 32 REVO-NOC—With Special Duck binding and sheep skin shoulder pad, w't per doz. in boxes 40 lbs., per dozen .....**CBDJ** $54.00





All REVO-NOC Stay-Stitched coat collars are made this way.

Cut on "Barnard's" Patterns.

STOCKED IN SIZES 38, 40, 42, 44 AND 46 IN.

No. 76 REVO-NOC—Stay-Stitched, superior water-proof duck sage green, coat and sleeves full lined with same material as outside, special REVO-NOC corduroy storm-collar with tie-tab, adjustable cuffs, reinforced shoulder pads, ventilated gussets under arms, double stitched throughout, horn buttons, five outside cut-in, one whistle, one match, and three game pockets with entrances at front edges and back seams, front entrances reinforced with leather croteaus, w't per doz. in boxes 40 lbs. .....per dozen **CGIJ** $63.20

No. 78 REVO-NOC—Stay-Stitched, special selected government khaki dyed duck, lined throughout with the same material, double stitched throughout, extra large collar and cuffs of selected English corduroy, adjustable sleeve cuffs, horn buttons throughout, five outside cut-in pockets, one whistle pocket, three inside game pockets, entrance at front edge and back seams, leather croteaus reinforcing the inside pocket entrances, ventilated gussets under the arms, special REVO-NOC storm-collars with tie-tabs, special friction match pocket with buttoned flap, sleeves satin lined, reinforced and padded shoulders, w't per doz. in boxes 38 lbs., per dozen .....**DCBJ** $72.00





All REVO-NOC Stay-Stitched coat collars are made this way.

Cut on "Barnard's" Patterns.



No. 35 REVO-NOC.

No. 129 REVO-NOC.

STOCKED IN SIZES 38, 40, 42, 44 AND 46 IN.

No. 35 REVO-NOC—Stay-Stitched, army duck, dead grass color, full lined with 8 oz. army duck, sleeves lined with English sateen, special REVO-NOC adjustable corduroy storm collar, with tie-tabs, corduroy cuffs,, shoulders reinforced and padded with horse-hide, double stitched, silk crow's feet at pocket entrance and lapels, oil tanned horse hide binding, pocket flaps bound with oil-tanned horse hide, five outside cut-in, one whistle and three game pockets, entrances reinforced with silk croteaus, ventilated gussets under arms, w't per doz. in boxes 45 lbs. .....per dozen **EJDJ** $84.00

STOCKED IN SIZES 38, 40, 42, 44 AND 46 IN.

No. 129 REVO-NOC—Stay-Stitched, imported corduroy fine rib, sage color, sateen lined, six outside pockets, three game pockets with entrance at front edges and back seams, adjustable sleeves, shoulders reinforced, w't per doz. in boxes 36 lbs. .....per dozen **DCBJ** $72.00



No. 23.

CRUSO HUNTING COATS.

STOCKED IN SIZES 38, 40, 42 AND 44 IN.

No. 20—Cruso, medium weight, tan duck, corduroy collar, two metal hunting buttons, four outside skirt pockets and one breast pocket with flaps, two inside game pockets, with entrance from front edge at coat, w't per doz. in boxes 18 lbs. ....per dozen **ACIJ** $23.20

STOCKED IN SIZES 38, 40, 42, 44 AND 46 IN.

No. 23—Cruso, medium weight tan duck, double stitched throughout, five outside cut-in pockets with flaps, one whistle pocket, three-quarter lined, two full game pockets with reinforced entrances at front edges and in back seams, canvas shoulder pad, corduroy collar and adjustable corduroy cuffs, w't per doz. in boxes 24 lbs., per dozen .....**AIBJ** $32.00

STOCKED IN SIZES 38, 40, 42 AND 44 IN.

No. 19—Cruso, high grade, light weight tan duck, plain collar, one hunting button, two outside skirt pockets, one breast pocket, two outside skirt game pockets, w't per doz. 17 lbs., per dozen .....**JIFJ** $16.00

REVO-NOC *stay-stitched coats, packed one in a box.*

The REVO-NOC *stay-stitched coats are cut big in every way—to suit the fancy of hunters rather than manufacturers—cut on the old original "Barnard" pattern—a pattern larger than now used in any other line.*

Shoulders and sleeves on REVO-NOC *stay-stitched coats are liberal enough to make the shooter forget them entirely when shooting.*

BACKED BY A GUARANTY THAT INSURES PROTECTION TO DEALER AND SHOOTER

REVONOC RAINCOATS.



No. 2007 REVONOC.

Seams Sewed, Strapped and Cemented, Horn Buttons in Fish Eye Style.

No. 2002 REVONOC—Sizes 36, 38, 40, 42, 44, 46, twill cloth, medium weight, olive tan color, strong double texture, plaid lined, close fitting military collar, ventilating air holes at armpits, w't each 2¼ lbs. .....DGJ $9.00

Tabs on sleeves and collar and at bottom of coat, insure a snug fit on stormy days.

No. 2004 REVONOC—Sizes 36, 38, 40, 42, 44, 46, wool cashmere, tan colored, double texture, very attractive plaid lining, tab on sleeves and collar and a tabl at bottom of skirt to prevent wrapping about the legs on windy days, arm ventilators, w't each 4⅛ lbs., each ..... JFHJ $14.40

No. 2005 REVONOC—Sizes 34, 36, 38, 40, 42, 44, 46, fine grade wool cashmere, double textured, tan colored, lined with the same material as outer surface, close fitting military collar, sleeves, collar and skirt fitted with tabs, under arm ventilators, w't each 3½ lbs. ..... JIEJ $17.50

No. 2007 REVONOC—Sizes 36, 38, 40, 42, 44, 46, gray worsted cloth, silk pongee lining of harmonizing color, convertible collar with storm tab, belted back, patch pockets and cuffed sleeves, arm ventilators, w't each 3¾ lbs., each .....AACJ $22.50

This is our fashion number and is used by many as a Fall top coat.

Lengths range from 47 to 50 inches, according to the size of the coat.



No. 2102. No. 2108.

All Buttons of Horn in Fish Eye Style.

No. 2101 REVONOC—Sizes 36, 83, 40, 42, 44, 46, tan Asia cloth, plaid lining, good weight for fall wear, tabs on sleeves and collar, close fitting military collar, buttons well up around neck, insuring dry comfort in rainy weather, w't each 2¼ lbs.....each BIJ $5.70

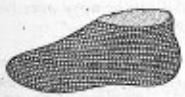
No. 2102 REVONOC—Sizes 36, 38, 40, 42, 44, double texture black and white mixture with a dark plaid lining, close fitting military collar, ventilated under the arm pits, tabs on sleeves and collar seams strapped and cemented, w't each 2¼ lbs.....each CCJ $7.50

No. 2203 REVONOC—Sizes 36, 38, 40, 42, 44, tan Irish homespun, single texture, six inch sateen yoke, close fitting military collar, ventilated arm pits, tabs on sleeves, collar and skirt, seams sewed and cemented, w't each 7¼ lbs. .....each JFHJ $12.00

No. 2108 REVONOC—Sizes 34, 36, 38, 40, 42, Balmaccan top coat, Scotch homespun, Raglan sleeves with cuffs, convertible collar, satin yoke lining, satin piping on seams, length about 42 in., w't each 4 lbs. .....each AJHJ $18.00

Lengths range from 47 to 50 inches, according to the size of the coat.

ARCTIC SOCKS.



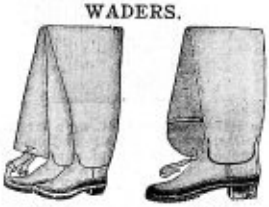
Double Twisted Yarn, Felt Lined, Elastic.

No. 10—Men's, sizes 6 to 11, w't per doz. prs. 1¼ lbs., per dozen pairs.....BCJ $3.80

Invaluable for bedroom slippers, used in rubber boots, for loggers and farmers.

ONE PAIR IN A PACKAGE.

WADERS.



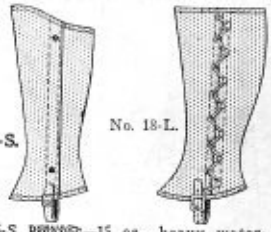
No. 22. No. 23.

No. 22—Mackintosh wading pants, boot feet, supporting straps, rubber soles, dead grass color, w't per pr. 6½ lbs., per pair .....ACGJ $22.80

No. 23—Mackintosh sporting hip boots, rubber soles, dead grass color, w't per pair 5¼ lbs....per pair AJEJ $17.50

Sizes 7, 8, 9 and 10 are carried in stock. ONE PAIR IN A PACKAGE.

LEGGINGS.



No. 15-S. No. 18-L.

No. 15-S REVONOC—15 oz., heavy waterproof, tan color, leather bound top and bottom, side spring, sizes 14, 15, 16 and 17, w't per doz. prs. 7½ lbs., per dozen pairs .....EDJ $9.00

No. 18-L REVONOC—18 oz., extra fine quality waterproof canvas, tan color, army laced, leather bound top and bottom, sizes 14, 15, 16, 17 and 18, w't per doz. prs. 5¼ lbs., per doz. prs. JFJJ $10.00



No. 88 REVONOC — Special high grade black chrome grained leather, side spring, very strong and serviceable, sizes 14, 15, 16 and 17, w't per doz. prs. 15 lbs., per doz. pairs BAFJ $36.00

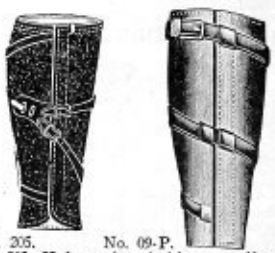
ONE DOZEN PAIRS IN A BOX.

MOTORCYCLE LEGGINGS.



No. 101—Knee leggings, heavy calf, Napoleon tops, black grain finish, knob spring fasteners, with patent button, w't per doz. prs. 11 lbs., per doz. pairs AHJJ $30.00

PUTTEES



No. 205. No. 09-P.

No. 205—Halco, detachable, excellent grade leather, one patent clasp, w't per doz. prs. 14½ lbs., per dozen pairs .....CGHJ $48.00

Very practical; put on and taken off by one simple operation of the clasp; adjust themselves to wearer's ankle. Carried in large and small sizes.

No. 09-P REVONOC—Olive drab duck, ¾ in. canvas, double wrap-srtap, patent buckle, sizes 14, 15, 16, 17 and 18, w't per doz. prs. 9 lbs., per dozen pairs .....ABIE $21.60

HUNTING VESTS, SWEATERS AND SUNDRIES.

SHELL VESTS.



No. V63 REVONOC—Waterproof duck, olive green with closed loops to hold 40 12 ga. shells, w't per doz. 12 lbs., per dozen .....**ABJJ** $20.00

No. V24—Cruso, tan duck, closed shell loops, 12 ga., w't per doz. 9 lbs., per dozen .....**JHFE** $14.40

This vest matches No. P24 "Cruso" pants. Sizes 38, 40, 42 and 44 carried in stock.



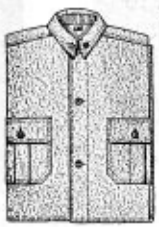
Press-ur-Shell Automatic Magazine.

No. V74—Olive green or tan, U. S. shelter cloth or army duck, carries 40 shells in 12, 16★ or 20★ gauge, w't per doz. 20 lbs., per doz. **BAFJ** $36.00

★16 and 20 gauge, Factory Shipment Only.

Material is chemically treated to resist moisture. Though impossible to loose shells, a touch of the thumb drops them into the hand in proper position to load.

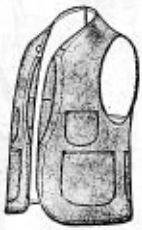
OUTING SHIRTS.



No. 69—Hunting and Outing Shirts, army style, made of forestry cloth in foliage color, standing military collar, coat front with large over-lapping front flap, smoked pearl buttons, two bellows pockets, with buttons. Collar sizes 15, 16, 17 and 18 in., w't per doz. 12 lbs. .....per dozen **CBDJ** $54.00

ONE IN A PAPER BAG.

SLEEVELESS COATS.



No. V2—Sage Green, four outside skirt pockets, two front and two rear, front game pockets and full inside game pockets with entrance at back, all double stitched, w't per doz. 18 lbs., per dozen .....**ADDJ** $24.00

ONE IN AN ENVELOPE.

REVONOC MACKINAW COATS.



REVONOC

No. 3007—Government 24 oz. olive drab army cloth, double breasted, 7 in. ulster collar, big wide lapels with storm tab, adjustable sleeves, seams filled and double stitched, 2 in. two-button belt, horn buttons, w't per doz. in boxes 54 lbs., per dozen **JGBJJ** $120.00

A splendid color and the most practical garment of the kind ever made for out door wear.

ONE IN A BOX.

SWEATERS.



No. 3417—Sweater coat, with large shawl collar, two pockets, medium heavy, fine quality wool, of superior finish, ribbed stitch, w't per doz. in boxes 36 lbs.★ ..per dozen **JFCAJ** $105.20

Gray or tan carried in stock, other plain colors for factory shipment.

No. 3307—Sweater coat, with large shawl collar, shaker knit, of fine quality, six strand wool, superbly finished, w't per doz. in boxes 36 lbs., per dozen★ .....**JGBJJ** $120.00

A warm, attractive and serviceable garment. Gray carried in stock, other plain colors can be supplied from factory. ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

CAPS.



No. 31 REVONOC—Best English corduroy, single visor and pull down band, sizes 6⅞ to 7½, w't per doz. 3 lbs., per dozen .....**EGE** $9.60



No. 33.

No. 33 REVONOC—Best English corduroy, with ear flaps to tie on top, sizes 6⅞ to 7½, w't per doz. 3 lbs., per dozen .....**JFAJ** $10.20

No. 34 REVONOC—Heavy canvas, same style aes No. 33, sizes 6⅞ to 7½, w't per doz. 3 lbs....per dozen **DHJ** $8.00

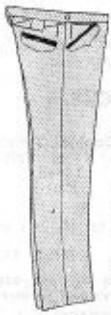


No. 12 REVONOC—Havelock, with single visor and lined cape over ears and neck, sizes 6⅞ to 7½, w't per doz. 3 lbs. .....per dozen **DHJ** $8.00

Always state size when ordering.

HUNTING PANTS.

No. P63 REVONOC—Waterproof duck, w't per doz. 24 lbs...per doz. **BEBJ** $42.00



These match No. V63 REVONOC *vest.*

REVONOC *Hunting pants are cut on a large pattern and can be worn over regular trousers.*

Sizes carried in stock, waist, 32, 34, 36, 38 and 40, all length 33 in., with generous "turn-up" which can be let out or shortened to length desired.

SHELL BAGS, BOXES AND GUN CASES.

CANVAS SHELL BAGS.



No. 1110 REVONOC—Extra heavy, dark brown duck, orange leather trimmings and straps, with pocket, holds 50 shells, w't per doz. 3½ lbs., per dozen .....DEJ $7.50

No. 1120 REVONOC—Holds 75 shells, w't per doz. 4 lbs., otherwise same as No. 1110 REVONOC, per dzen DIE $8.26

No. 1130 REVONOC—Holds 100 shells, w't per doz. 4¾ lbs., otherwise same as No. 1110 REVONOC, per dozen EDJ $9.00

No. 1200 REVONOC—Holds 200 shells, w't per doz. 4½ lbs., otherwise same as No. 1110 REVONOC, per doz. JFCJ $10.50

No. 1300 REVONOC—Holds 300 shells, w't per doz. 6 lbs., otherwise same as No. 1110 REVONOC, per doz. JGFE $12.76

No. 130—Cruso, light weight duck, with pocket, holds 100 shells, w't per doz. 4 lbs. .....per dozen DEJ $7.50

No. 200—Cruso, holds 200 shells, w't per doz. 4 lbs., otherwise same as No. 130, per dozen .....DIE $8.26

No. 300—Cruso, holds 300 shells, w't per doz. 6 lbs., otherwise same as No. 130, per dozen .....JFGE $11.26

SHELL BOXES.



No. 375—Fine solid russet leather, lined with tin, holds 200 shells, size12x6x6 in., w't per doz. 44 lbs., per dozen .....GJBJ $81.00

ONE IN A PAPER COVER.

METAL SHOT SHELL BOXES.



No. 376—Waterproof shell boxes, substantially made and divided into 6 compartments to hold 25 shells each and one compartment suitable for miscellaneous equipment, nicely painted in dead grass color and fitted with special style swivel hasp, size 19x9x4½ in., w't per doz. 66 lbs., per dozen .....BEBJ $42.00

STIFF MOULDED GUN CASES.



No. OF—Leather, French leg-o-mutton style, flannel lined, brass trimmed, with lock buckle, handle and adjustable sling, 30 and 32 in., w't per doz. 35 lbs., per dozen CBDJ $54.00

This gun case is small, light, and will take a double barrel gun or a repeating shot gun.



No. 60—Cruso, russet leather, brass trimmings, flannel lined, handle and adjustable sling, with buckle rod pocket under partition, for guns 28, 30 and 32 in., w't per doz. 40 lbs., per dozen .....CJBE $80.
No. R60—Cruso, for repeating guns 30 and 32 in., w't per doz. 32 lbs., otherwise same as No. 60, per dozen .....CJBE $50.40

STIFF MOULDED GUN CASES.



No. 62 REVONOC—English leg-o-mutton style, good weight russet leather, seams reinforced, trimmed with brass plated buckle lock and name plate, inside rod pocket, for double barrel and repeating shot guns, 28, 30 and 32 in., w't per doz. 39 lbs., per dozen .....DJEJ $67.50

No. P2062 REVONOC—For Winchester 20 gauge, 25 in. Pump Guns, or Stevens 20 gauge, 26, 28 and 30 in. Pump Guns, w't per doz. 45 lbs., otherwise same as No. 62 REVONOC, per dozen DJEJ $67.50



No. A62 REVONOC—For 28 in. Remington Automatic shot guns only, good weight russet leather, seams reinforced, trimmed with brass plated buckle lock and name plate, w't per doz. 36 lbs., per dozen .....CFJJ $60.00

No. W62 REVONOC—For New Winchester self-loading shot guns, 26 and 28 in., w't per doz. 27 lbs., otherwise same as No. A62 REVONOC, per doz. CDBJ $57.00



No. T70 REVONOC—English leg-o-mutton style, made of extra heavy orange leather, flannel lined, trimmed with extra large and heavy selected brass buckles and trimmings, large brass name plate, lock buckle, handle and sling, outside rod pocket, best workmanship, reinforced at seam, 30 in., w't per doz. 48 lbs., per dozen .....GBJJ $96.00



No. 79 REVONOC—French leg-o-mutton style, made of heavy orange leather, red flannel lined, brass trimmed, name plate, inside tool pocket, 30 in., w't per doz. 48 lbs.....per dozen EDJJ $90.00

GUN CASES, COVERS AND SHEATHS.

FULL LENGTH COVERS.



Selected Brown Duck, 26 Ounce, Lined with Maroon Flannel, Lock and Muzzle Protected with Extra Heavy Orange Leather, Entire Cover Bound with Canvas, Heavy Combination Sling and Handle, Nickel Plated Brass Buckles and Trimmings.

o. 900 REVONOC Series,
per dozen .....ADAE $21.00

In ordering, use stock numbers given elow.

o. G900 REVONOC, for double barrel shot guns 30 and 32 in.

o. R900 REVONOC, for repeating shot guns 30 and 32 in.

o. A900 REVONOC, for automatic shot guns.

o. B900 REVONOC, for small frame repeating rifles, 24 in. barrel.

o. D900 REVONOC, for large frame repeating rifles, 26 in. barrel.

On shot gun covers specify lengths.

AVERAGE W'T PER DOZ. 9½ LBS.



avy Canvas, Imitation Leather ound, Combined Sling and Handle.

700—Cruso Series,
er dozen ..... J H A J $12.90

n ordering, use stock numbers given ow.

G700—Cruso, for shot guns, 30 and in.

C700—Cruso, for 24 in. repeating fles, models '93 and '94 Marlin, '92 d '94 Winchester.

D700—Cruso, for 26 in. repeating les, models '93 and '94 Marlin and Winchester.

AVERAGE W'T PER DOZ. 9 LBS.

FULL LENGTH COVERS.



Plain Canvas, Leather Bound, with Handle.

No. 800 Series....per dozen D C J $7.20

In ordering, use stock numbers given below.

No. G800—For shot guns, 30 and 32 in.

No. B800—For No. 702 small frame, Remington, Stevens or Winchester rifles, 20 in. barrel.

No. F800—For single shot Remington, Stevens or Winchester rifles, 24 in. barrel.

No. H800—For single shot Remington, Stevens or Winchester rifles, 26 in. barrel.

AVERAGE W'T PER DOZ. 6 LBS.

TAKE DOWN CANVAS CASES.



Selected Brown Duck, 26 Ounce, Lined with Maroon Flannel, Lock and Muzzle Protected with Heavy Orange Leather, Extra Heavy Moulded and Formed Handle, Extra Heavy Sling Strap, Case Bound All Over with Canvas.

No. 950 REVONOC Series,
per dozen .....ADDJ $24.00

In ordering, use stock numbers given below.

No. G950 REVONOC, for double barrel and repeating shot guns, 28, 30 and 32 in.

No. A950 REVONOC—for automatic shot guns, 28 in.

No. B950 REVONOC, for models '90 Winchester and '97 Marlin rifles, 24 in.

No. W950—28 in., for New Winchester Self-Loading Shot Guns.

No. P20950 REVONOC—26 and 28 in. sizes, fitting a 20 gauge, 25 in. Winchester Pump Gun and Stevens 20 gauge Pump Gun.

On shot gun covers specify lengths.

AVERAGE W'T PER DOZ. 9 LBS.

TAKE DOWN CANVAS CASES.



Extra Heavy Canvas, with Tool Pocket, Leather Muzzle Protector.

No. 650—Cruso Series,
per dozen .....J G G E $12.90

In ordering, use stock numbers given below.

No. G650—Cruso, for double barrel guns, 28, 30 and 32 in.

No. R650—Cruso, for repeating guns, 30 and 32 in.

No. B650—Cruso, for models '90 Winchester and '97 Marlin, 24 in.

No. C650—Cruso, for models '93 and '94, Marlin and '92 and '94 Winchester, 28 in.

No. E650—Cruso, for 22 Winchester automatic and 1922 REVONOC rifles.

No. H650—Cruso, for Stevens Favorite and 1922 REVONOC rifles.



No. G651—Victoria, canvas, flannel lined, for 30 and 32 in. guns, w't per doz. 6 lbs. .....C F J $6.00

No. G652—Cruso, 30 and 32 in., with an extra tool pocket, otherwise same as No. G651 .....per dozen D I E $8.26

AVERAGE W'T PER DOZ. 8½ LBS.

LEATHER RIFLE SHEATHS.



Nos. 500 to 586.

Extra Fine Quality Leather, Finely Embossed, Thong Stitched, for Marlin, Winchester or Savage Carbines and Rifles, with Sling Straps to Hang from Saddle.

No. 500 REVONOC—For carbines, 20 in. barrel .....per dozen C F J J $49.50

No. 573 REVONOC—For 24 in. barrel repeating rifles.....per dozen C D B J $57.00

No. 586 REVONOC—For 26 in. barrel repeating rifles ....per dozen C I F J $58.00

AVERAGE W'T PER DOZ. 12 LBS.

CRUSO, Heavy Russet Leather with Sling Straps to Hang from Saddle.

No. 400—Cruso, for carbines, 20 in. barrel, w't per doz. 9 lbs., per dozen .....B A F J $36.00

No. 386—Cruso, for 26 in. barrel repeating rifle, w't per doz. 15 lbs., per dozen .....B E B J $45.00

HIGH GRADE HOLSTERS.

The REVENOC Line of Holsters and Belts is the Best that Can Be Made. Fully Guaranteed.



No. 932. No. 2132.

Open Holsters for Belt, Highest Grade 6 oz. Leather, Hand Stitched, Highly Embossed, End Shaped and Fitted with Sewed Butt Piece, Sewed Belt Loop, Rich Chocolate Color.

No. 932 REVENOC—For 3 and 3½ in. barrel, 32 caliber revolvers, per dozen ..... **CIE** $6.60
No. 952 REVENOC—For 5 in. barrel, 32 caliber revolvers, per dozen **DGJ** $7.80
No. 938 REVENOC—For 3¼ and 3½ in. barrel, 38 caliber revolvers, per dozen ..... **DDJ** $7.36
No. 948 REVENOC—For 4 and 4½ in. barrel, 38 caliber revolvers, per dozen ..... **DGJ** $7.80
No. 958 REVENOC—For 5 in. barrel, 38 caliber revolvers, per dozen **DHE** $8.10
No. 968 REVENOC—For 6 in. barrel, 38 caliber revolvers, per dozen **ECJ** $8.86
AVERAGE W'T PER DOZ. 1½ LBS.

Stiff Back Pocket Holsters, Best Selected Stock, Double Leather, Double Stitched Rich Brown Color, Highest Grade Workmanship, Especially Adapted for Police Use.

No. 2132 REVENOC—For 3¼ in. barrel, 32 caliber revolvers, per dozen ..... **JGBJ** $12.00
No. 2138 REVENOC—For 3½ in. barrel, 38 caliber revolvers, per dozen ..... **JGFE** $12.76
No. 2137 REVENOC—For 4 in. barrel, 38 caliber, S. & W. hand ejector, per dozen ..... **JHAJ** $13.50
No. 2136 REVENOC—For 32 caliber Savage and Colts' automatics and 380 Savage and Colts' automatics, per dozen ..... **JGFE** $12.75
No. 2134 REVENOC—For 4 in. barrel, police positive Colt revolver, per dozen ..... **JHAJ** $13.50
No. 2135 REVENOC—For 5 in. Colts' Positive, Colts' Police Positive Special, and Colts' Army Special revolvers, per dozen ..... **JHAJ** $13.50
AVERAGE W'T PER DOZEN 2¼ LBS.



Police, Heavy Embossed Russet Leather.

No. 1132—32 caliber, per doz. **DJE** $6.76
No. 1138—38 caliber, per doz. **DEJ** 7.50
AVERAGE W'T PER DOZ. 2 LBS.



No. 2932. No. 3944.

Flap Holster for Belt, Best Selected 6 Oz. Leather, Expert Workmanship, Hand Stitched Throughout, End Shaped and Fitted with Sewed Butt Piece, Belt Loop Sewed, Rich Chocolate Brown Color.

No. 2932 REVENOC—For 3 and 3½ in. barrel, 32 caliber revolvers, per dozen ..... **EHE** $9.76
No. 2952 REVENOC—For 5 in. barrel, 32 caliber revolvers, per dozen **JFFJ** $11.00
No. 2938 REVENOC—For 3¼ and 3½ in. barrel, 38 caliber revolvers, per dozen ..... **JFBJ** $10.36
No. 2948 REVENOC—For 4 and 4½ in. barrel, 38 caliber revolvers, per dozen ..... **JGDJ** $12.30
AVERAGE W'T PER DOZ. 3 LBS.

Embossed Leather, with Flap.

No. 832—Similar to No. 2932 series, but cheaper grade, for 32 caliber revolvers, 3 and 3½ in. barrels, per dozen ..... **CAE** $5.26
No. 838—For 38 caliber revolvers, 3¼ and 3½ in. barrels..per dozen **CAE** $5.26
AVERAGE W'T PER DOZ. 2 LBS.

Mexican Pattern, Extra Heavy, Special Selected Leather, Very Beautifully and Highly Embossed, Rich Red-Brown Color, Hand Finished Throughout.

No. 3944¾ REVENOC—For 4¾ in. barrel, Colts' single action pistol, 44 and 45 caliber .....per dozen **JICE** $15.60
No. 3944½ REVENOC—For 5½ in. barrel, Colts' single action pistols, per dozen ..... **JIDE** $15.76
No. 3944 REVENOC—For 7½ in. barrel, Colts' single action pistols, per dozen ..... **AJAJ** $16.80
AVERAGE W'T PER DOZ. 4½ LBS.



Patent Rubber, with Hook.

No. 1932½—32 caliber, per dozen ..... **CJJ** $5.00
No. 1938½—38 caliber, per dozen ..... **CCE** 5.60
AVERAGE W'T PER DOZ. 1½ LBS.



No. 1806. No. 1038.

Flap Holsters for Automatic Pistols, Best Selected Stock, Hand Stitched Throughout, End Shaped and Fitted with Sewed Butt Piece, Belt Loop Sewed, Rich Chocolate Brown, Highly Embossed and Elegantly Finished.

No. 1806 REVENOC—For 32 caliber Colts' automatic pistols, per dozen ..... **JGBJ** $12.00
No. 1805 REVENOC—For 38 caliber Colts' pocket automatic pistols, per dozen ..... **JHAJ** $13.50
AVERAGE W'T PER DOZ. 3 LBS.

Shoulder Holsters, Extra Heavy, Well Selected Stock, Highly Embossed, Dark Brown Color, Superior Workmanship.

No. 1038 REVENOC—For 3¼ in. barrel, 38 caliber revolvers, per dozen ..... **JHAJ** $13.50
No. 1041 REVENOC—For 4½ in. barrel, 41 caliber New Army and Navy revolvers .....per dozen **JIJJ** $15.00
No. 1044 REVENOC—For 4¾ and 5½ in. barrel, Colts' single action and New Service revolvers, per dozen ..... **JIJJ** $16.50
AVERAGE W'T PER DOZ. 4 LBS.

NON-PULL-OUT HOLSTERS.



Any Caliber, Hand Made, Best Russet Leather, Heavy Nickel Plated Springs.

No. 44—Police Positive Modle, 4 in. barrel, w't per doz. 4 lbs., per dozen ..... **ACJJ** $21.70
No. 444—Army Special Model, 4 or 4½ in. barrel, w't per doz. 4 lbs., per dozen ..... **ACJJ** $21.70
Stick fast in pocket when gun is drawn, yet give one quick and easy grasp of it. Will not tear pocket.

HOLSTERS AND BELTS.

HOLSTERS.



No. P25.

Rust Proof, Suede Leather, Green Felt Lined.

No. P25—Nickel plated frame, with clasp, for 25 cal. Colt's automatic pistols.....per dozen **DEJ** $7.50

No. P32—Nickel plated frame for 32 caliber double action revolvers, per dozen .....**EGJ** $9.50

AVERAGE W'T PER DOZEN 1½ LBS.

CARTRIDGE BELTS.



REVONOC

Best Selected Stock, Hand Finished, 2½ Inches Wide, Length Assorted From 32 to 46 Inches, Highly Embossed, Polished Buckle, Brown Color.

Nos.	2332	2338	2344
Caliber	32	38	44
Per dozen	$16.00	16.00	16.00
	JIFJ	JIFJ	JIFJ

W'T PER DOZEN 5 LBS.

REVONOC COMBINATION CARTRIDGE AND MONEY.

Embossed Leather, Special Selected Stock, 3½ Inches Wide, with Open End for Use as Money Belt, Large Nickel Plated Buckle.

No. 630—30-30 caliber, per dozen .....**ADDJ** $24.00

This belt matches line of Mexican Holsters on page 1984.

W'T PER DOZEN 6 LBS.

CARTRIDGE BELTS.



CRUSO.

Embossed Russet Leather, Nickel Plated Buckle, 2¼ Inches Wide.

Nos.	432	438
Caliber	32	38
Per dozen	$9.00	9.00
	JEDJ	JEDJ

W'T PER DOZEN 5 LBS.

Russet Leather, Polished Buckle, 1½ Inches Wide.

Nos.	1332	1338
Caliber	32	38
Per dozen	$8.70	8.70
	EBJ	EBJ

W'T PER DOZEN 2 LBS.

SHELL BELTS.



REVONOC

Rich Brown, Elegantly Embossed Leather, 2 Inches Wide, with Supporting Strap, Nickel Plated Buckle.

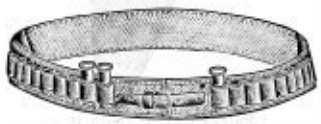
No. 1412—12 gauge, per doz. **AJHJ** $18.00

W'T PER DOZEN 5 LBS.



No. 312—12 gauge, woven web, with leather supporting strap, 2½ in. wide, w't per doz. 3½ lbs., per dozen .....**DGJ** $7.80

No. 412—12 gauge, leather, with supporting strap, 2 in. wide, w't per doz. 4 lbs.....per dozen **JHFE** $14.40



Canvas, Stitched, 2½ Inches Wide.

No. 512—12 gauge, per doz. **AHJ** $3.00

No. 516—16 gauge, per doz. **AHJ** 3.00

W'T PER DOZEN 1¾ LBS.

WOVEN BELTS.



No. M2.

ANSON MILLS, Three Inches Wide.

No. M2—For 12 gauge shells, w't per doz. 3½ lbs...per dozen **AHJJ** $30.00

"HUNTERS."

Without Shoulder Strap, 2¼ Inches Wide, Lighter Material than Mills.

No. H2—For 12 gauge shells, w't per doz. 8 lbs....per dozen **ADDJ** $24.00

ONE IN A BOX.

HOLSTER AND SHEATH BELTS.



No. 400—Plain russet leather, 1½ in. wide, polished buckle, w't per doz. 2½ lbs.....per dozen **DCJ** $7.20

H.S.B. & CO. REV-O-NOC DOG COLLARS



No. 66 ASSORTMENT.

This handsome assortment consists of 113 REV-O-NOC dog collars 21 different patterns, best selling popular collars only, and one REV-O-NOC Bull Dog.

This dog is made of papier-mache, life size, posed in a very lifelike position, with colors so natural that one is apt to mistake it for a live dog.

The advertising value of this dog, together with 4 attractive sample cards of collars for display cannot be estimated. The sample cards contain one each of the 21 patterns composing this assortment.

Quant.	No.		Retail Value Each		Quant.	No.		Retail Value Each	
3	1680	REV-O-NOC Collars	$0.75	$2.25	6	5423	REV-O-NOC Collars	$0.50	$3.00
3	1886	REV-O-NOC Collars	1.00	3.00	6	1142	REV-O-NOC Collars	.75	4.50
6	5265¾	REV-O-NOC Collars	.50	3.00	12	5121	REV-O-NOC Collars	.25	3.00
4	S-2454	REV-O-NOC Collars	.50	2.00	6	S-2614	REV-O-NOC Collars	.50	3.00
2	02570½	REV-O-NOC Collars	1.50	3.00	12	S-2321	REV-O-NOC Collars	.25	3.00
2	7470	REV-O-NOC Collars	1.75	3.50	6	5822	REV-O-NOC Collars	.50	3.00
2	3108	REV-O-NOC Collars	2.00	4.00	6	5151	REV-O-NOC Collars	.50	3.00
2	3791	REV-O-NOC Collars	2.00	4.00	6	S-2855¾	REV-O-NOC Collars	.50	3.00
2	3772	REV-O-NOC Collars	2.00	4.00	3	1496	REV-O-NOC Collars	.75	2.25
					12	5	REV-O-NOC Collars	.25	3.00
					6	013	REV-O-NOC Collars	.50	3.00
					6	S-2335¾	REV-O-NOC Collars	.50	3.00
Total Retail Value									$65.50

36 Collars to Retail at	$0.25	3 Styles of	$0.25—Retail—Collars
52 Collars to Retail at	.50	9 Styles of	.50—Retail—Collars
12 Collars to Retail at	.75	3 Styles of	.75—Retail—Collars
3 Collars to Retail at	1.00	1 Style of	1.00—Retail—Collars
2 Collars to Retail at	1.50	1 Style of	1.50—Retail—Collars
2 Collars to Retail at	1.75	1 Style of	1.75—Retail—Collars
6 Collars to Retail at	2.00	3 Styles of	2.00—Retail—Collars

Total retail value of collars	$65 50
Retail value of dog	7 50
Per assortment	$73 00

One of each number is attached to sample card with elastic band—balance are packed in boxes. Collars can be sold from card or from surplus stock in boxes. Shipping weight, 35 lbs.

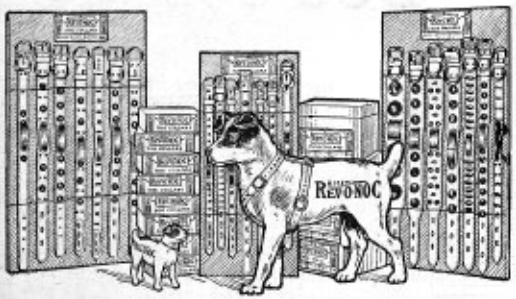


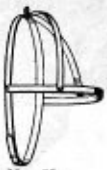
All Collars that are Guaranteed
All Collars that Sell

Big Collars Wide Collars Plain Collars Small Collars
Narrow Collars Fancy Collars Collars for Bull Dogs
Collars for Terriers Collars for House Dogs Collars for Watch Dogs



REVONOC DOG COLLAR, MUZZLE AND HARNESS ASSORTMENTS.





No. 85.



No. 86.



No. 8513.



REVONOC DOG COLLAR ASSORTMENT No. 67.

No. 67 REVONOC Assortment consists of the following—

REVONOC Dog Collars—	Retail	Total
6 No. 1	$0.10	$0.60
12 No. 2	.15	1.80
2 No. 1142	.75	1.50
3 No. 5822	.50	1.50
3 No. S2321	.25	.75
6 No. 5121	.25	1.50
6 No. 4X	.25	1.50
3 No. S2614	.50	1.50
3 No. 013	.50	1.50
3 No. 1496	.75	2.25
3 No. S2855	.75	2.25
6 No. 5151	.50	3.00
3 No. 2335	.50	1.50
6 No. 5X	.25	1.50
6 No. S2454	.50	3.00
2 No. 1886	1.00	2.00
1 No. 460	.25	.25
3 No. S5255	.50	1.50
1 No. 1680	.75	.75
1 No. 3791	1.75	1.75
1 No. 3108	1.50	1.50
1 No. 1752	1.25	1.25
1 No. 1681	.75	.75
1 No. 36958 Harness	1.75	1.75
Total retail value		$37.15

6 collars, 1 style, to retail at.....$0.10
12 collars, 1 style, to retail at..... .15
22 collars, 5 styles, to retail at..... .25
27 collars, 7 styles, to retail at..... .50
10 collars, 5 styles, to retail at..... .75
2 collars, 1 style, to retail at..... 1.00
1 collar, 1 style, to retail at..... 1.25
1 collar, 1 style, to retail at..... 1.50
1 collar, 1 style, to retail at..... 1.75
1 Harness, 1 style, to retail at..... 1.75

Collars without sample cards or dogs, w't per asst. 15 lbs., total wholesale value ....per assortment **BDJJ** $40.00

REVONOC collars are collars with a reputation and a strong guarantee behind them.

One of each number of the collars will be fastened to a very attractive sample card.

There will be three such cards with each assortment. The assortment will also contain two very attractive papier-mache dogs; one a life size Fox Terrier and the other a miniature Fox Terrier.

REVONOC DOG COLLAR, MUZZLES AND HARNESS ASSORTMENT No. 68.

Harness.

No. 85—Russet bridle leather, plain, no studs, nickel buckle and name plate, ⅝ in. wide.

No. 86—Russet bridle leather, brass or nickel studs, yellow felt lined, name plate, ⅝ in. wide.

Muzzles.

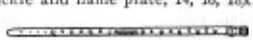
No. 8513—Black leather, ¾ in. adjustable.

No. 8511—½ in., and No. 8512—⅝ in., otherwise same as No. 8513.

REVONOC Collars.



No. 81—Double black harness leather, one row studs, one row spikes, lock buckle and name plate, 14, 16, 18x1 in.



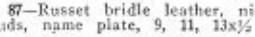
No. 82—Double black bridle leather, one row, red, white and blue enamel studs, name plate, 13, 15, 17x¾ in.



No. 83—Red or blue enamel leather, one row brass or nickel studs, felt lined, name plate, 13, 15, 17x¾ in.



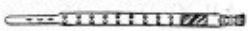
No. 84—Double russet bridle leather, trimmed with round nickel studs and spikes, name plate, 13, 15, 17x¾ in.



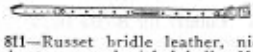
No. 87—Russet bridle leather, nickel studs, name plate, 9, 11, 13x½ in.



No. 88—Fancy chain collar, mounted on russet bridle leather, for padlock, 11, 13, 15x⅝ in.



No. 89—Double black harness leather, large brass studs, lock tongue buckle, name plate, 16, 18, 20x1⅛ in.

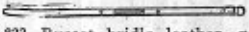


No. 810—Double black bridle leather, two rows brass studs, lock tongue buckle, name plate, 13, 15, 17x1¼ in.

No. 811—Russet bridle leather, nickel studs, two round nickel bells, 11, 13, 15x⅝ in.



No. 812—Double black harness leather, trimmed with round nickel studs, name plate, 15, 17, 19x1 in.



No. 822—Russet bridle leather, nickel name plate, one stud each side of plate, 11, 13, 15x⅝ in.



No. 844—Russet bridle leather, nickel name plate, one stud each side of plate, 15, 17, 19x¾ in.

No. 68 REVONOC Assortment consists of the following—

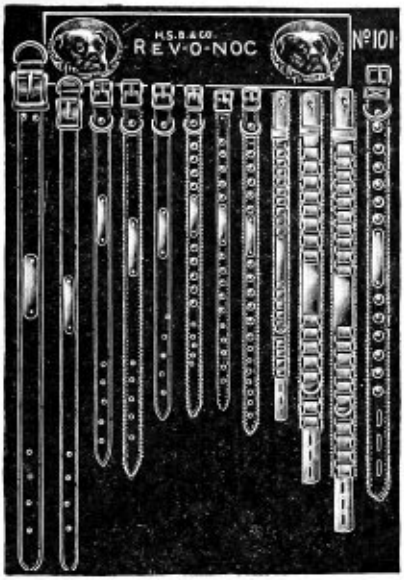
Collars—	Retail	Total
12 No. 822	$0.15	$1.80
12 No. 844	.25	3.00
6 No. 87	.25	1.50
6 No. 88	.35	2.10
9 No. 83	.35	3.15
3 No. 82	.50	1.50
3 No. 811	.50	1.50
2 No. 812	.75	1.50
2 No. 810	1.00	2.00
2 No. 84	1.00	2.00
2 No. 89	1.00	2.00
1 No. 81	1.25	1.25
Muzzles—	**Retail**	**Total**
5 No. 8511	$0.15	$0.75
5 No. 8512	.20	1.00
2 No. 8513	.25	.50
Harness—	**Retail**	**Total**
2 No. 85	$0.75	$1.50
3 No. 86	1.00	3.00
12 collars to retail at		$0.15
18 collars to retail at		.25
15 collars to retail at		.35
6 collars to retail at		.50
2 collars to retail at		.75
6 collars to retail at		1.00
1 collar to retail at		1.25
60 collars, total retail value		$23.30
5 muzzles to retail at		$0.15
5 muzzles to retail at		.20
2 muzzles to retail at		.25
12 muzzles, total retail value		$2.25
2 harness to retail at		$0.75
3 harness to retail at		1.00
5 harness, total retail value		$4.50

Total **wholesale** value of collars, muzzles, and harness—without the dogs $18.00

77 Pieces—Total retail value of assortment without figuring cost of the two dogs .....**AHJJ $30.05**

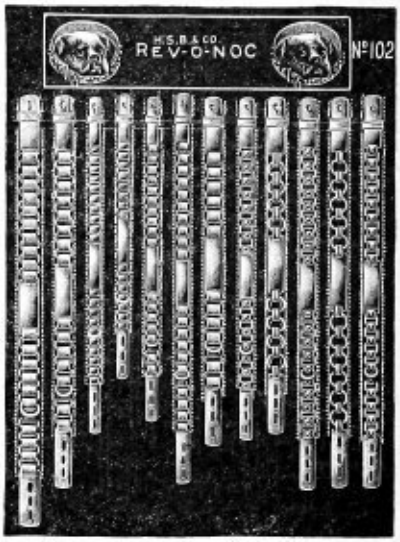
Each assortment packed compactly, with dogs, in a cardboard box. Weight of assortment complete, 10¼ lbs.

H.S.B.&CO. REV-O-NOC DOG COLLARS ON CARDS.



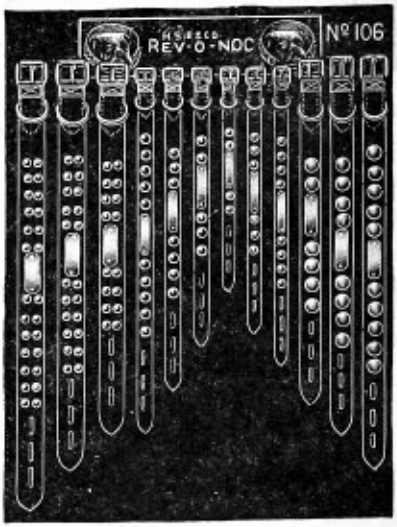
No. 101 REV-O-NOC—Assortment consisting of 12 leather collars, including 4 plain leather, sizes 15x⅝, 19x¼ and 21x1 in., 5 flannel lined, with gilt studs, sizes 11x½, 13x½ and 17x¼ in., 3 nickel chains, leather lined, sizes 11x½, 13x¼ and 15x⅞ in., card 16x18½ in.....per assortment **BEJ** $4.20

ONE DOZEN ON A CARD.



No. 102 REV-O-NOC—Assortment consisting of 12 fancy chain collars, leather and flannel lined, assorted nickel and gilt, sizes 9x½, 11x⅜, 11x½, 11x⅝, 13x⅝, 13x⅜, 15x⅜ in., card 16x18½ in.....per assortment **CGJ** $6.20

ONE DOZEN ON A CARD.

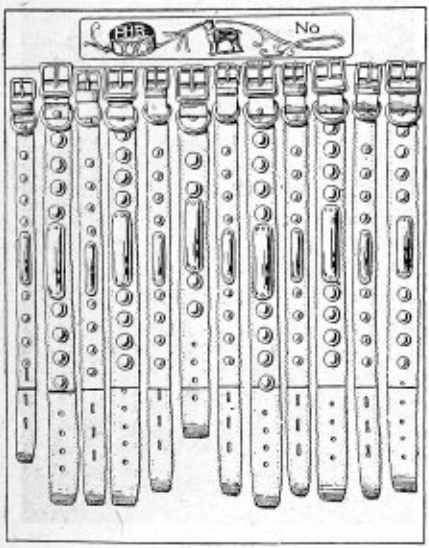


No. 106 REV-O-NOC—Black, single leather, brass trimmings, with lock tongue buckle, length 11 to 23, 22x1¼, 21x1¼,19x1¼, 18x1¼, 16x⅝, 14x¾, 11x⅝, 13x⅝, 15x⅝, 16x1, 19x1 and 21x1 in.....per assortment **DGJ** $7.80

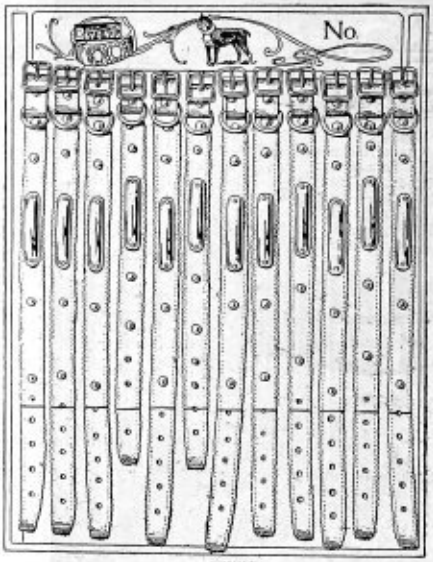
ONE DOZEN ON A CARD.

DOG COLLARS AND PAPIER-MACHE DOGS.

DOG COLLAR ASSORTMENTS.



No. 1205—Assortment, consisting of 12 high grade russet and black leather, green felt lined with round nickel plated studs, assorted 12, 13 and 14½x⅝ in., per assortment .....ABE $2.10



No. 1206 REVONOC—Assortment consisting of 12 high grade, assorted russet, red and black colors, yellow felt lined, lock and buckle, nickel plated studs, assorted, 15 tnd 17x ¾ in., and 16, 17, 18x1 in.....per assortment DGJ $7.80

PAPIER-MACHE DOGS.

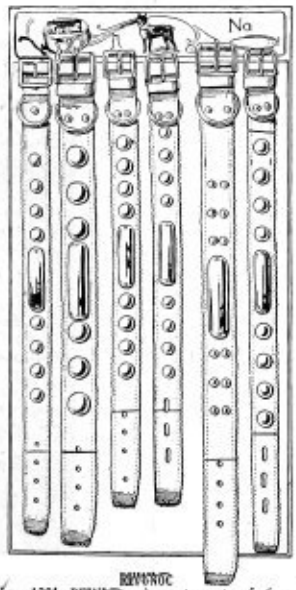


No. 666 REVONOC—Bull dog, life size, natural colors same as sold with No. 66 REVONOC assortment, each .....DEJ $7.50



No. 667—Small Fox Terrier miniature, natural colors, same as sold with No. 67 REVONOC assortment, each .....BB $0.36

No. 668—Large Fox Terrier, Life size, natural colors, same as sold with No. 67 REVONOC assortment, each .....BAJ $3.50



REVONOC

No. 1201 REVONOC—Assortment of 6 collars, consisting of 1 russet, 2 red, 1 green and 2 black, yellow felt, leather lined and nickel plated, assorted 15, 16, 17x1 in., and 16, 17x1¼ in., per assortment .....BFJ $4.35

DOG COLLARS.



REVONOC

Extra Quality Black or Russet Bridle Leather, Lined with Chamois, Scalloped Edges, Polished Brass or Nickel Plated Trimmings, Fancy Nickel and Brass Studs, to Lock.

No. 476 REVONOC—Assorted, 17, 19 and 21x1 in.....per dozen JGBJ $12.00

ONE DOZEN IN A BOX.

DOG COLLARS.



RIVETED

Selected Single Russet Harness Leather, Nickel Plated Trimmings, Fancy Nickel Studs, to Buckle.

No. 012 RIVETED—Assorted, 13, 15 and 17x¾ in. .....per dozen CCE $5.60
No. 013 RIVETED—Assorted 17, 19 and 21x1 in. .....per dozen DBJ $7.00



RIVETED

No. 460 RIVETED—Nickel plated, square link, leather backing, with ring, assorted, 11, 13 and 15x⅝ in., per dozen .....BGJ $3.80
No. 465 RIVETED—Nickel plated, square link, leather backing with ring, assorted, 16, 18 and 20x1 in., per dozen .....CGJ $6.20



RIVETED

No. 1465 RIVETED—Nickel plated, square link, leather backing and chamois lining with ring, assorted, 16, 18 and 20x1 in. .....per dozen DEE $7.60
ONE DOZEN IN A BOX.

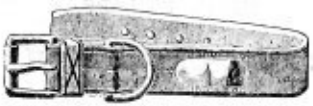


Russet Leather, Nickel Plated Trimmings, to Buckle.

No. 1—Assorted, 9, 11 and 13x½ in., per dozen .....JHJ $1.20
No. 2—Assorted, 11, 13 and 15x⅝ in., per dozen .....AAE $1.60
No. 4—Assorted, 14, 16 and 18x¾ in., per dozen .....ADE $2.00
No. 5—Assorted, 16, 18 and 20x1 in., per dozen .....BJJ $2.80
No. 7—Assorted, 18, 20 and 22x1¼ in., per dozen .....BFJ $3.80
No. 8—Assorted, 22, 24 and 26x1½ in., per dozen .....CAE $5.00

Russet Leather, Nickel Plated Trimmings, to Lock.

No. 04—Assorted, 14, 16 and 18x¾ in., per dozen .....BAE $3.20
No. 05—Assorted, 16, 18 and 20x1 in., per dozen .....BEJ $4.00
No. 07—Assorted, 18, 20 and 22x1¼ in., per dozen .....CCJ $5.50



RIVETED

No. 1578 RIVETED—Heavy, single, cream leather, brass trimmings, to buckle, assorted, 19, 21 and 23x1 in., per dozen .....EDJ $9.00



RIVETED

No. 1526 RIVETED—Russet leather, round, nickel plated trimmings, round name plate, to buckle, assorted, 17, 19 and 21x½ in. .....per dozen JGBJ $10.00



RIVETED

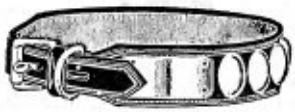
Double Black Leather, Large Brass Studs and Trimmings, Lock Tongue Buckle to Lock or Buckle.

No. 1680 RIVETED—Assorted, 17, 19 and 21x 1in. .....per dozen JFCJ $10.50
No. 1681 RIVETED—Assorted, 19, 21 and 23x1¼ in. ....per dozen JGBJ $12.00



RIVETED

No. 1142 RIVETED—Light russet, extra quality leather, lined with chamois, scalloped edges, nickel plated studs and 2 bells, to lock, assorted 11, 13 and 15x⅝ in., per dozen JGBJ $12.00



RIVETED

Double, Black Leather with Large Oval Brass Studs and Trimmings, Tongue Buckle to Lock and Buckle.

No. 1886 RIVETED—Assorted 14, 16 and 18x1 in. .....per dozen JHFJ $14.30
No. 1887 RIVETED—Assorted 17, 19 and 21x1¼ in. ....per dozen AAGJ $16.50
ONE DOZEN IN A BOX.



RIVETED

No. 1620 RIVETED—Double, cream leather double row of studs, protection spikes at short intervals, nickel plated trimmings, to lock, assorted, 15, 17 and 19x1¼ in. ....per dozen ABJJ $20.00



RIVETED

No. 3108 RIVETED—Double, black leather, large and small brass studs and trimmings, brass protection spikes at short intervals, with eye tongue, to buckle and lock, assorted, 16, 18 and 20x1½ in. ....per dozen AJGJ $21.00

Bright and attractive labels help the sale of goods—Every CVB item bears a neat and artistic label.

We help you by furnishing CVB advertising matter that draws people to your store.

Divided efforts seldom result in success. Concentrate on one brand of guaranteed quality—CVB

DOG COLLARS, HARNESS AND SHOES.

REVONOC COLLARS.



Black Leather, Unlined, Large Round Brass Studs, Lock Tongue Buckle, To Lock or Buckle.

No. 5121 REVONOC—Assorted, 11, 13 and 15x⅝ in. .....per dozen **BBE** $3.50

No. 5131 REVONOC—Assorted, 13, 15 and 17x¾ in. .....per dozen **CJJ** $5.00

No. 5151 REVONOC—Assorted, 15, 17 and 19x1 in. .....per dozen **CHE** $6.00

No. 5161 REVONOC—Assorted, 19, 21 and 23x1¼ in. ....per dozen **FJJ** $10.00



Red or Blue Leather, Chamois Lined, Fancy Nickel Studs, to Lock.

No. 2614 REVONOC—Assorted, 10, 11½ and 13x½ in. .....per dozen **CIJ** $6.50



No. 2321 REVONOC—Russet leather, red felt lined, round nickel plated studs, to lock, assorted, 11, 13 and 15x⅝ in., per dozen .....**BDJ** $4.00



No. 2422 REVONOC—Cream leather, chamois lined, round and diamond fancy nickel plated studs, to lock, assorted, 11, 13 and 15x⅝ in., per dozen .....**CJJ** $4.00



Russet Leather, Red Felt Lined, Round and Diamond Fancy Brass Studs, to Lock.

No. 2335 REVONOC—Assorted, 13, 15 and 17x¾ in. .....per dozen **CCJ** $5.50

No. 2355 REVONOC—Assorted, 15, 17 and 19x1 in. .....per dozen **DBE** $7.10



Black Leather, Chamois Lined, Round and Diamond Fancy Brass Studs, to Lock.

No. 2825 REVONOC—Assorted, 11, 13 and 15x⅝ in. .....per dozen **CFJ** $6.00

No. 2855 REVONOC—Assorted, 15, 17 and 19x1 in. .....per dozen **EDJ** $9.00

ONE DOZEN IN A BOX.

REVONOC COLLARS.



No. 2454 REVONOC—Cream leather, chamois lined, round nickel studs, fancy style, to lock, assorted, 15, 17 and 19x1 in., per dozen .....**DEJ** $7.50



No. 5822 REVONOC—Fine grade black leather, chamois lined, scalloped edge, round brass studs, lock tongue buckle to lock or buckle, assorted, 11, 13 and 15x⅝ in. .....per dozen **CGE** $6.30



No. 5423 REVONOC—Fine cream leather, chamois lined, nickel studs, lock tongue buckle to lock or buckle, assorted, 11, 13 and 15x⅝ in., per dozen .....**DCJ** $7.20

ONE DOZEN IN A BOX.

DOG SHOES.



No. 3—Rawhide soles, soft leather uppers, well stitched, fleece lined tops, laced★.....per set **CJJ** $5.00

By the aid of shoes a dog can do constant and active service under all conditions without becoming foot-sore. A dog becomes accustomed to them in a short time and will never afterward willingly go barefooted.

ONE SET IN A BOX.

DOG HARNESS.



No. 71.

No. 71—Harness leather, lined with felt, scalloped, studs and bells, ⅝ in. wide, per dozen .....**JIFJ** $16.00

No. 2238—Harness leather, lined with red or blue felt, ornamented with gilt or nickel studs and bells, scalloped edges, ⅝ in. wide, per dozen .....**JIJJ** $15.00

No. 2242—¾ in. wide, otherwise same as No. 2238 ....per dozen **JIFJ** $16.00



No. 2251—Black single leather bull dog harness, partly lined with red patent leather, trimmed with round brass studs and name plate, 1¼ in. wide, per dozen .....**AFBJ** $27.00

This style of Dog Harness is the best fitting and most satisfactory on the market. The understrap prevents the harness from pulling up on the dog's neck. When on the lead the strain is on the breast and shoulder of the dog where it should be. Both the body and neck strap are adjustable about 4 to 5 inches.

MEASUREMENTS OF DOG HARNESS.

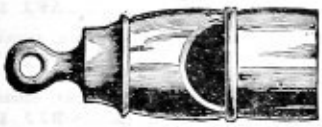
No. 71—20 to 26 in. chest.
No. 2250—22 to 28 in. chest.
No. 2238—20 to 24 in. chest.
No. 2242—20 to 26 in. chest.
No. 2251—19 to 23 in. body, 12 to 18 in. neck.

WHISTLES, DOG WHIPS, LEADS AND COLLAR BELLS.

WHISTLES.



No. 0—Pewter, 1¾ in., per dozen ..... CE $0.60
ONE DOZEN IN A BOX.



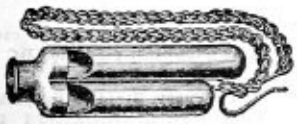
No. 2—Brittania, 2 in., per dozen ..... ABJ $2.00
No. 4—Brittania, 2½ in., per dozen ..... BAJ 3.50
ONE DOZEN IN A BOX.



No. 35—White bone, 2¾ in., per dozen ..... AHJ $3.00
ONE DOZEN IN A BOX.



No. 22—Celluloid, assorted colors, 2 in., per dozen ..... ABJ $2.00
No. 24—Celluloid, assorted colors, 2½ in.....per dozen AHJ 3.00
ONE DOZEN IN A BOX.



No. 72—Duplex, nickel plated, with chain .....per dozen AHJ $3.00
ONE DOZEN IN A BOX.

WHISTLES.



No. 12—Small, with chain, per dozen .....AHJ $3.00
No. 13—Medium, with chain, per dozen .....BJJ 3.30
No. 11—Large, with chain, per dozen .....BJE 3.40



No. 176—Cyclone, extra heavy nickel plated, very shrill, loud tone, used almost exclusively by crossing policemen in larger cities, per dozen ..... CCJ $5.50



No. 16.

No. 16 —Echo Pattern, nickel plated, per dozen..... AEJ $2.50
No. 16½—Genuine Echo, nickel plated, per dozen ..... AHJ $3.00
ONE DOZEN IN A BOX.



No. 101—Municipal Police Call, solid brass tube, heavily nickel plated, ring in end to attach to chain or key ring, without chain ..per dozen AHJ $3.00
This whistle can be heard at a distance of two or three miles on a still night. It has been adopted by the New York City police force.
TWO DOZEN IN A BOX.

STANDARD BOY SCOUT WHISTLES.



No. 25—Brass, gun metal finish, length 2¼ in., ring at end, w't per doz. 8 oz.....per dozen AGJ $2.80
Standard adopted by the Boy Scouts of America.
ONE DOZEN IN A BOX.

DOG WHIPS.



No. 111.

No. 111—Plaited and twisted, with snap .....per dozen EJE $8.40

IMPORTED LEATHER DOG LEADS.



No. 2409—Flat, ⅝ in., best quality leather with hand loop and nickeled steel swivel snap, 57 in., per dozen .....CJJ $5.00
ONE DOZEN IN A BOX.

DOG LEADERS.



No. 2400—Light, round, hand loop and nickeled swivel snap, 46 in., per dozen .....BAJ $3.50
No. 2403—Medium, round, braided russet leather with hand loop and nickeled swivel snap, 48 in., per dozen .....CCJ $5.50
ONE DOZEN IN A BOX.

DOG COLLAR BELLS.



No. 110—Small nickel plated, per dozen ..... JIE $1.60
ONE DOZEN IN A BOX.

DOG MUZZLES AND DOG BREAD.

DOG MUZZLES.



All rivets are capped, thus making these the most comfortable and humane muzzles made. A composition dog's head as shown given away with the first six dozen orders for Brauer's Humane Dog Muzzles.

No. 209—Brauer's Humane, assorted sizes, small, medium and large, selected stock leather, stretched and moulded into shape, per dozen .....**JFGJ** $11.20

Size	Width Collar, in.	Band, Nose in.	Size	Width Collar, in.	Band, Nose in.
1	⅝x12	½	5	1x20	¾
2	⅝x14	½	6	1x22	¾
3	¾x16	⅝	7	¾x24	⅝
4	¾x18	⅝	8	1x26	¾

ONE-HALF DOZEN IN A BOX.
WE DO NOT BREAK BOXES.



No. 3—Security, strong tinned wire, leather collar, assorted sizes, small, medium and large, per dozen $2.10 **ACE**

ONE-HALF DOZEN IN A BUNDLE, ASSORTED.



No. 22—Safety, assorted sizes, small, medium and large, per dozen ...$2.20 **ACJ**

No. 2¼—Safety, assorted sizes, small, medium and large, without nose piece, per dozen .....**ABE** $2.10

ONE-HALF DOZEN IN A BUNDLE, ASSORTED.

No. 2¾—Safety, three largest sizes, per dozen .....**AIJ** $3.20

ONE-QUARTER DOZEN IN A BUNDLE, ASSORTED.



No. 6 RIVETED.



No. 10.

No. 6 RIVETED—Leather, riveted, three buckles, assorted sizes, small, medium and large .....per dozen **BCJ** $3.80

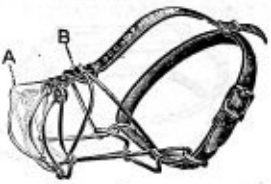
No. 6½ RIVETED—Three large sizes only, leather, riveted, three buckles, per dozen .....**BDJ** $4.00

ONE DOZEN IN A BOX, ASSORTED.

No. 10—New Safety, strong galvanized wire, strap head piece and collar, assorted six sizes, small, medium and large .....per dozen **BJJ** $3.30

ONE-HALF DOZEN IN A BUNDLE, ASSORTED.
WE DO NOT BREAK BUNDLES.

DOG MUZZLES.



No. 210—"Happidog," adjustable, wire and leather, made in six sizes, small, medium and large, w't per doz. 2½ lbs. .....per dozen **BCJ** $3.80

This muzzle can be adjusted to any shape of head by bending frames A and B to a position to give the desired length of nose. For instance, bend A and B together for a Bull Dog, or spread these frames for a Collie. A simple locking device holds B securely.

This will appeal to dog owners who only muzzle their dogs under compulsion as it is the most humane muzzle ever devised.

Inexpensive and practical.

NESTED, SIX SIZES IN A NEST; WE DO NOT BREAK NESTS.



No. 5 RIVETED.

No. 5 RIVETED—Leather, assorted, six sizes, small, medium and large, per dozen .....**BDJ** $4.00

No. 5½ RIVETED—Three large sizes only, leather .....per dozen **BFE** $4.40

No. 7 RIVETED—Adjustable, leather, assorted six sizes, small medium and large .....per dozen **AHE** $3.10

No. 7½ RIVETED—Three large sizes only, adjustable leather, per dozen .....**BJJ** $3.30

ONE DOZEN IN A BOX, ASSORTED.



No. 112—Dog muzzles, made of webbing, in three sizes ..per dozen **BJJ** $3.30

Size 1 made of 1 in. webbing.
Size 2 made of ⅞ in. webbing.
Size 3 made of ¾ in. webbing.

This is a very neat looking, serviceable, adjustable muzzle.

PACKED ONE DOZEN IN A BOX, EVENLY ASSORTED.

DOG MUZZLES.



No. 12—Common, assorted sizes, small, medium and large, per dozen .....**AFJ** $2.70

ONE-HALF DOZEN IN A BUNDLE, ASSORTED.

No. 1½—Three largest sizes, common, assorted .....per dozen **BJJ** $3.30

ONE-QUARTER DOZEN IN A BUNDLE, ASSORTED.

WE DO NOT BREAK BUNDLES.

DOG BREAD.



Spratt's Dog Bread, in bulk, per pound .....**JG** $0.12

Spratt's Dog Bread, in 50-lb. boxes, per pound .....**JH** $0.12½

Spratt's Dog Bread, 50 cent cartons, about 6 lbs each..per carton **DC** $0.72

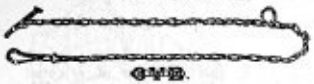
Spratt's Puppy Bread, 5 lb packages, per pound .....**JI** $0.12½

Spratt's Puppy Food, 10 cent cartons, about 1 lb. .....per carton **JI** $0.15

★*FOR FACTORY SHIPMENT ONLY.*

KENNEL CHAINS, DOG LEADS AND COLLAR PADLOCKS.

KENNEL CHAINS.



No. G2—13 wire gauge,
54 in. .....per dozen ACJ $2.20
72 in. .....per dozen AFJ 2.70
No. G5—16 wire gauge,
54 in. .....per dozen JIE 1.62
72 in. .....per dozen ACJ 2.20
No. G6—17 wire gauge,
54 in. .....per dozen JIE 1.60
72 in. .....per dozen ABE 2.10
No. 15—Brown's, bright iron, heavy, for bull dogs, toggle and snap, length 54 in. .....per dozen BAE $3.60

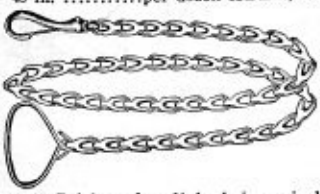


No. 5—American, 54 in., wrought steel, per dozen .....ADE $2.40
ONE DOZEN IN A BOX.

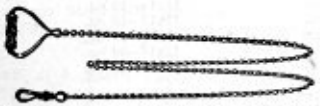
DOG LEADS.



No. 8—Nickel plated steel chain, with snap and double finger ring, length 48 in. .....per dozen AEE $2.70



No. 7—Bright safety link chain, swivel snap, with large finger ring, length 48 in. .....per dozen ACJ $2.30
CARDED, ONE DOZEN IN A BOX.



No. 03—Nickel plated, light steel wire, hand ring, swivel snap, length 48 in., per dozen .....JIJ $1.50
No. 04—Aluminum, silver finish, 49 in. long. .....per dozen BDJ $3.00
ONE DOZEN IN A BOX.

DOG COLLAR PADLOCKS.



No. 2-G.



Nos. 27-G, 28-G.

No. 2-G—⅜ n., brass, brass key, per dozen .....AEJ $2.50

No. 27-G—⅞ in., nickel plated, self-locking, nickel plated key, per dozen .....BAJ $3.50

No. 28-G—1¼ in., polished brass, self-locking, brass key, per dozen .....AHE $3.10

Well made and finely finished.

ONE DOZEN IN A BOX.



No. 11-G.



No. 4014-G.

No. 11-G—⅝ in., nickel plated, self-locking, spring shackle, nickel plated key, per card .....AEJ $2.50

ONE DOZEN ON A CARD; ONE CARD IN A BOX.

No. 4014-G—⅝ in., brass, buffed, self locking, spring shackle, per card .....AGE $2.90

ONE DOZEN IN A BOX.



No. 113-G—Secret, ⅝ in., nickel plated self-locking, spring shackle, no key required, card 6½x7 in., per card .....EE $0.90

ONE DOZEN IN A BOX.

DOG COLLAR PADLOCK ASSORTMENTS.



No. G08—Consisting of one dozen, four No. 11-G, four No. 12-G and four circular locks, smaller than No. 11-G, on easel back card, per assortment .....ABJ $2.00



No. 1540-G—Consisting of one dozen assorted ⅜, ⅝ and ¾ in., nickel plated brass, on easel back card, per assortment .....ACJ $2.20

PAULINS AND WAGON COVERS.

Important Information Regarding the Three Grades of Tents, Wagon Covers, etc., which we handle.

Before placing your order for Tents, Wagon Covers, etc., decide what kind of goods will sell best and give satisfaction. Every buyer understands his own trade best and therefore he must decide for himself what grade of goods to buy in order to satisfy his trade.

We handle Tents, Covers, etc., in three different grades—[illegible] grade, [illegible] grade and Standard grade. In this way we can satisfy the demand of all classes of trade.

EXPLANATION OF GRADES.

[illegible] Grade—This grade of goods is guaranteed absolutely Full Weight and Full Size, and is made of selected first quality duck. [illegible] goods are not sold in competition with other makes because they are worth more. We recommend this grade where absolutely the best is wanted, and where the price is not the object. There are no better Tents or Covers made at any price.

[illegible] Grade—Some people want a medium good article at a medium price, something that will give good service and still not too high in price. Our [illegible] grade is in this class of goods, Medium Price, Good Quality and Full Size. We highly recommend [illegible] goods, and you will find them satisfactory to both yourself and your trade.

Standard Grade—This grade is made to meet competition and for use in mild climates and for short service. It is light in weight, but measures full size, both in center height and height of walls.



PLAIN WHITE CANVAS PAULINS.

[illegible] BB%.
[illegible] DJ%.
Standard DE%.

For Covering Harvesters, Binders, Threshing Machines, Stacks, Hay Cars and Merchandise.

Size feet.	8 oz. Single Filling.	10 oz. Single Filling.	12 oz. Double Filling.	13 oz.	15 oz.
5½x 9	.....	.....	.....	$3.80	$4.20
5½x12	.....	.....	.....	5.05	5.60
7 x12	$2.26	$2.80	$4.16	6.45	7.15
7 x15	2.82	3.48	5.16	8.05	8.95
10 x16	3.90	4.80	7.42	12.30	13.60
10 x17	4.15	5.10	7.88	13.05	14.45
10 x18	4.40	5.40	8.34	13.80	15.30
12 x14	4.25	5.25	8.12	12.90	14.30
12 x16	5.00	6.00	9.28	14.75	16.35
12 x18	5.50	6.75	10.44	16.55	18.35
12 x20	6.15	7.50	11.60	18.40	20.40
14 x16	6.50	7.95	11.12	17.20	19.05
14 x18	7.30	8.95	12.52	19.35	21.40
14 x20	8.15	9.95	13.92	21.50	23.80
14 x22	8.95	10.95	15.32	23.60	26.20
14 x24	9.75	11.95	16.70	25.75	28.55
16 x16	7.45	9.10	13.04	19.65	21.75
16 x18	8.35	10.25	14.64	22.10	24.50
16 x20	9.30	11.35	16.26	24.55	27.20
16 x22	10.20	12.50	17.88	27.00	29.95
16 x24	11.15	13.65	19.50	29.45	32.65
16 x26	12.05	14.80	21.12	31.90	35.35
16 x28	13.00	15.90	22.74	34.35	38.10
16 x30	13.95	17.05	24.42	36.80	40.80
18 x20	10.45	12.80	18.60	27.60	30.60
18 x22	11.50	14.05	20.46	30.35	33.65
18 x24	12.55	15.35	22.30	33.10	36.75
18 x26	13.60	16.60	24.14	35.90	39.80
18 x28	14.65	17.90	26.02	38.65	42.85
18 x30	15.65	19.20	27.86	41.40	45.90
18 x32	16.70	20.45	29.70	44.15	48.95
18 x36	18.80	23.00	33.42	49.70	55.10
18 x38	19.85	24.30	35.26	52.45	58.15
18 x40	20.90	25.60	37.12	55.20	61.20
20 x24	13.95	17.05	23.74	36.80	40.80
20 x30	17.40	21.30	29.66	46.00	51.00
20 x36	20.90	25.55	35.56	55.20	61.20

The following sizes are carried in stock—

[illegible] Grade.

7x15—10 oz.
7x15—12 oz.
10x16—10 oz.
10x16—12oz.
16x20—10oz.
16x20—12 oz.

[illegible] Grade.

7x15— 8 oz.
7x15—10 oz.
7x15—12 oz.
10x16— 8 oz.
10x16—10 oz.
10x16—12 oz.
16x20—10 oz.
16x20—12 oz.
20x30—10 oz.

Standard Grade.

7x15—10 oz..
7x15—12 oz.
10x16—10 oz.
10x16—12 oz.
16x20—10 oz.

Balance of sizes for Factory Shipment Only, St. Louis, Mo.

WAGON COVERS.



[illegible] BB%.
[illegible] DJ%.
Standard DE%.

Size feet.	8 oz. Duck Single Filling Each.	10 oz. Duck Single Filling Each.	12 oz. Duck Double and Twisted Filling Each.
10x10	$2.43	$3.06	$4.60
10x12	2.92	3.66	5.55
10x13	3.15	3.96	6.01
10x14	3.40	4.27	6.49
10x15	3.66	4.57	6.96
10x16	3.90	4.89	7.43
10x17	4.16	5.18	7.90
10x18	4.41	5.48	8.38
10x20	4.92	6.10	8.85
11x13	3.55	4.45	6.78
11x14	3.82	4.82	7.29
11x15	4.11	5.16	7.84
11x16	4.38	5.53	8.38
11x17	4.67	5.88	8.89
11x18	4.96	6.22	9.45
11x20	5.53	6.94	10.52
12x14	4.26	5.35	8.11
12x15	4.58	5.73	8.70
12x16	4.99	6.11	9.27
12x17	5.21	6.50	9.86
12x18	5.52	6.88	10.44
12x20	6.15	7.65	11.62
12x22	6.78	8.43	12.78

Wagon Covers, [illegible] Grade.

The following sizes are carried in stock—

10x13— 8 oz.
10x13—10 oz.
10x14— 8 oz.
10x14—10 oz.
11x14—10 oz.
11x15—10 oz.

Balance of sizes for Factory Shipment Only, St. Louis, Mo.

Wagon Covers, [illegible] Grade.

The following sizes are carried in stock—

10x13— 8 oz.
10x14— 8 oz.
10x12—10 oz.
10x13—10 oz.
10x14—10 oz.
10x15—10 oz.
10x16—10 oz.
11x14—10 oz.
11x15—10 oz.
11x16—10 oz.
12x14—10 oz.
12x16—10 oz.

Balance of sizes for Factory Shipment Only, St. Louis, Mo.

Wagon Covers, Standard Grade.

The following sizes are carried in stock—

10x13— 8 oz.
10x13—10 oz.
10x14— 8 oz.
10x14—10 oz.

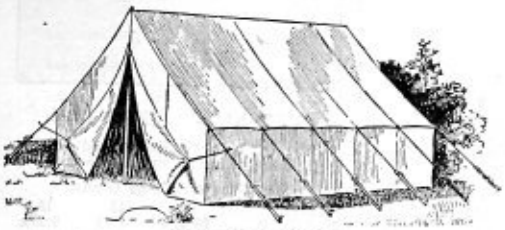
Balance of sizes for Factory Shipment Only, St. Louis, Mo.

TENTS.

For Information Regarding the Three Grades of Tents Catalogued, See Page 1995.

WALL.

BJ%.
DJ%.
Standard DE%.



Wall, Grade.

Size, Feet.	Height of Wall, Feet.	8 oz. Duck, Single Filling.	10 oz. Duck, Single Filling.	10 oz. Double Filling or 8 oz. Army Duck.	12 oz. Double Filling or 10 oz. Army Duck.
7 x 7	3	$8.00★	$9.35★	$10.35★	$12.25★
7 x 9	3	9.50★	11.05★	12.30	14.60★
9 x 9	3	10.95★	12.80★	14.30★	17.00★
8 x10	3	10.95★	12.80	14.30★	17.00★
9½x12	3	12.90★	15.05	16.80	19.95
9½x14	3	14.65★	17.10★	19.10★	22.65★
12 x12	3½	15.30★	17.95★	20.00★	23.75★
12 x14	3½	17.30★	20.20	22.55	26.80★
12 x16	3½	19.20★	22.45	25.05★	29.80★
12 x18	3½	21.35★	24.95★	27.80★	33.00★
14 x14	4	20.60★	24.15★	26.95★	32.10★
14 x16	4	22.70★	26.65★	29.80★	35.50

Wall, Grade.

Size, Feet.	Height of Wall, Feet.	8 oz. Duck, Single Filling.	10 oz. Duck, Single Filling.	10 oz. Double Filling or 8 oz. Army Duck.	12 oz. Double Filling o 10 oz. Army Duck.
7 x 7	3	$8.00★	$9.35★	$10.35★	$12.25★
7 x 9	3	9.50★	11.05	12.30★	14.60★
9 x 9	3	10.95★	12.80★	14.30★	17.00★
8 x10	3	10.95★	12.80	14.30★	17.00★
10 x12	3	12.90★	15.05	16.80	19.95
10 x14	3	14.65★	17.10★	19.10★	22.65★
12 x12	3½	15.30★	17.95★	20.00★	23.75★
12 x14	3½	17.30★	20.20	22.55	26.80
12 x16	3½	19.20★	22.45★	25.05★	29.80★
12 x18	3½	21.35★	24.95★	27.80★	33.00★
14 x14	4	20.60★	24.15★	26.95★	32.10★
14 x16	4	22.70★	26.65★	29.80★	35.50

Wall, Standard Grade.

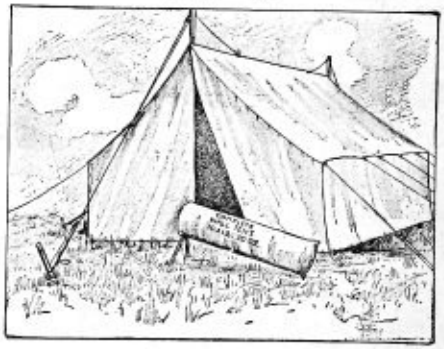
Size, Feet.	Height of Wall, Feet.	8 oz. Duck, Single Filling.	10 oz. Duck, Single Filling.	10 oz. Double Filling or 8 oz. Army Duck.	12 oz. Double Filling or 10 oz. Army Duck.
7 x 7	3	$8.00★	$9.35★	$10.35★	$12.25★
7 x 9	3	9.50★	11.05★	12.30★	14.60★
9 x 9	3	10.95★	12.80★	14.30★	17.00★
8 x10	3	10.95★	12.80	14.30★	17.00★
10 x12	3	12.90★	15.05	16.80	19.95★
10 x14	3	14.65★	17.10★	19.10★	22.65★
12 x12	3½	15.30★	17.95★	20.00★	23.75★
12 x14	3½	17.30★	20.20★	22.55	26.80★
12 x16	3½	19.20★	22.45★	25.05★	29.80★
12 x18	3½	21.35★	24.95★	27.80★	33.00★
14 x14	4	20.60★	24.15★	26.95★	32.10★
14 x16	4	22.70★	26.65★	29.80★	35.50★

All prices are on tents complete and include poles, pins and ropes. Add five per cent for each additional six inches of wall. Deduct five per cent if poles are not wanted.

FLIES complete, but without poles, half the price of tents of corresponding size.

RIDGE—LESS WALL.

AE%.



Grade Only.

Size 7x7 Best Army Twill.....List Price $7.95★
Size 7x 9 Best Army Twill.....List Price 9.40★
Size 8x10 Best Army Twill.....List Price 10.90★
Size 10x12 Best Army Twill.....List Price 12.80
Size 12x14 Best Army Twill.....List Price 17.15★

WARRANTED WATER REPELLANT.

No ridge pole necessary, upright poles are made in three sections of steel tubing. Complete tent can be carried in canvas bag 3 ft. long. Tent can be carried in a boat, auto, or checked on train as baggage.

WEDGE.

BB%.
DJ%.
Standard DE%.



Wedge, Grade.

Size feet.	Height feet.	8 oz. Duck Single Filling Each.	10 oz. Duck Single Filling Each.
5x 7	6	$5.00★	$5.80★
7x 7	7	6.30★	7.35★
7x 9	7	7.55★	8.85★
9x 9	7	8.35★	9.85★
10x12	7½	10.30★	12.10★

Wedge, Grade.

Size feet.	Height feet.	8 oz. Duck Single Filling Each.	10 oz. Duck Single Filling Each.
5x 7	6	$5.00★	$5.80★
7x 7	7	6.30★	7.35★
7x 9	7	7.55★	8.85★
9x 9	7	8.35★	9.85★
10x12	7½	10.30★	12.10★

Wedge, Standard Grade.

Size feet.	Height feet.	8 oz. Duck Single Filling Each.	10 oz. Duck Single Filling Each.
5x 7	6	$5.00★	$5.80★
7x 7	7	6.30★	7.35★
7x 9	7	7.55★	8.85★
9x 9	7	8.35★	9.85★
10x12	7½	10.30★	12.10★

★*FOR FACTORY SHIPMENT ONLY, ST. LOUIS, MO.*

TENTS, SHEETS, COVERS AND WATERPROOFING.

REVONOC WATERPROOF TENTS AND WAGON COVERS.



TENTS.

10 oz. Single Filling.

Size 7x9 ft. .....each	J G A E	$11.95
Size 9½x12 ft. .....each	J I G E	16.25
Size 12x14 ft. .....each	A C A J	21.80

WAGON COVERS.

Size 10x13 ft., 10 oz., each	C B E	$5.40
Size 10x14 ft., 10 oz., each	C E J	5.80

INDIAN TEPEES.



Extra Heavy Sheeting, Four Sided, Full Sweep, Khaki.

Nos.	55	66	77
Feet	5x5	6x6	7x7
Height, ft.	5½	5½	5½
W't of cloth, lbs. ..	3⅞	4¼	4⅞
W't of poles, lbs. ..	1⅞	1⅞	1⅞
Each $3.60	4.40	4.80	
	B G J	C J J	C C J

With printed Indian scenes.

These tents are not stenciled, but printed on all sides in red, blue and black. Heavily sewed, loops in each corner and necessary pegs.

Center pole jointed, easily handled. Cloth folded and packed in paper bag. Poles (in two sections), wrapped separately.

BOY SCOUT TENTS.



5x7 Ft., khaki army cloth, w't each 20 lbs. .....each E D J $9.00

Each tent put up in a bag 12x24 in.

MILK WAGON COVERS.

29 in. Duck, Fitted Up with Grommets and Ropes.

Feet 6x8	6x10	6x12	6x14
8 oz., double filling, each $3.30	4.00	4.80	5.50★
B J J	B D J	B I J	C C J

Milk wagon covers carried in grade only.

BLACK OILED TARPAULINS.

Made in Any Size.

Per square ft. .....J F $0.10

PERFECTION WATER-PROOFING.



No. 6G—Waterproofing compound in semi-solid form, guaranteed to be waterproof if properly applied, w't per doz. cans 12 lbs., per dozen cans.....E J E $8.40

To be thinned with gasoline, linseed oil or any drying oil, apply to dry surface that it may be absorbed. One gallon will waterproof about 100 sq. ft. of canvas, on closely woven goods it will go much further. Does not injure fabric to which it is applied or make it stiff. Will dissolve in gasoline or oil slowly, but if wanted for immediate use put can in warm water or melt over a little heat and pour into gasoline.

For automobile tops, motor—boat canopies, buggy tops, tents, awnings, tarpaulins, boats, sleeping bags, water buckets, horse and wagon covers, hunters, sportsmen's and workmen's clothing, etc.

In semi-solid form, no danger in carrying it in stock.

It takes one gallon of gasoline to thin one pound of Perfection Water-Proofing and this will cover from 80 to 90 square feet.

ONE HUNDRED 1 LB. CANS IN A CASE.

★*FOR FACTORY SHIPMENT ONLY.*

STOCKMEN'S BED SHEETS.



BF%. REVONOC CB%.

White Duck, with Snaps and Rings, Edges Turned and Stitched.

Bed Sheets, Grade.

Ounces	13	15	18
7x15 ft. .....$6.45★		7.75	8.55★
7x18 ft. ..... 7.60★		9.15★	10.10

Bed Sheets, REVONOC Grade.

Ounces	13	15	18
7x15 ft. .....$6.45★		7.75	8.55★
7x18 ft. ..... 7.60★		9.15★	10.10

Stockmen's bed sheets carried in and REVONOC grades only.

WIDE COTTON ROLL DUCK.★

Full rolls only B J %.

Width	No.4 or 20 oz. Per Yd.	No.6 or 18 oz. Per Yd.	No.8 or 15 oz. Per Yd.	No.10 or 13 oz. Per Yd.	No.12 or 10 oz. Per Yd.
26 in.	$0.46	.40	.35	.30	.26
28 in.	.49	.43	.38	.32	.28
30 in.	.53	.46	.41	.34	.29
32 in.	.56	.49	.43	.36	.30
34 in.	.60	.52	.46	.39	.32
36 in.	.63	.55	.49	.41	.34
38 in.	.67	.58	.52	.43	.36
40 in.	.70	.61	.54	.45	.38
42 in.	.74	.64	.57	.48	.40
44 in.	.77	.67	.60	.50	.42
46 in.	.81	.70	.62	.52	.44
48 in.	.86	.74	.65	.55	.46
50 in.	.90	.78	.69	.58	.48
52 in.	.94	.81	.72	.60	.50
54 in.	.97	.84	.75	.63	.52
56 in.	1.01	.87	.78	.65	.54
58 in.	1.05	.90	.80	.67	.56
60 in.	1.10	.95	.84	.70	.59
62 in.	1.14	.99	.88	.73	.61
64 in.	1.18	1.02	.90	.76	.63
66 in.	1.21	1.05	.93	.78	.65
70 in.	1.20	1.12	.99	.83	.69
72 in.	1.35	1.17	1.04	.87	.72
74 in.	1.39	1.21	1.07	.89	.74
76 in.	1.43	1.24	1.10	.92	.76
80 in.	1.50	1.30	1.16	.97	.80
82 in.	1.54	1.34	1.18	.99	.82
84 in.	1.58	1.37	1.21	1.01	.84
86 in.	1.69	1.47	1.29	1.08	.89
90 in.	1.77	1.53	1.35	1.13	.94
92 in.	1.81	1.57	1.38	1.16	.96
94 in.	1.85	1.60	1.41	1.18	.98
96 in.	1.89	1.64	1.44	1.21	1.00
104 in.	2.09	1.81	1.60	1.33	1.10
108 in.	2.17	1.88	1.66	1.39	1.14
120 in.	2.51	2.18	1.92	1.60	1.32

Full rolls contain about 100 yards.

STORE AND WINDOW AWNINGS.

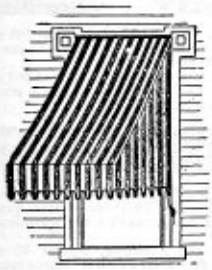
STORE AWNINGS, ROPE OR PULLUP STYLE.

H't Ft.	Projection Ft.		4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	11 ft.	12 ft.	13 ft.	14 ft.	15 ft.	16 ft.
4	4	each	$ 7.00	$ 7.50	$ 8.00	$ 8.50	$ 9.00	$ 9.50	$10.25	$10.75	$11.25	$11.75	$12.25	$12.75	$13.25
5	5	each	8.25	8.75	9.50	10.00	10.75	11.25	11.75	12.50	13.00	13.75	14.25	14.75	15.50
6	6	each	9.75	10.25	11.00	11.75	12.50	13.25	13.75	14.50	15.25	16.00	16.75	17.25	18.00
7	7	each	11.25	12.00	12.75	13.50	14.25	15.25	16.00	16.75	17.50	18.25	19.25	20.00	20.75
8	8	each	12.75	13.75	14.50	15.50	16.25	17.25	18.25	19.00	20.00	20.75	21.75	22.75	23.50
9	9	each	14.50	15.50	16.50	17.50	17.50	19.50	20.50	21.50	22.50	23.50	24.50	25.50	26.50
10	10	each	16.25	17.50	18.50	19.75	20.75	21.75	23.00	24.00	25.25	26.25	27.25	28.50	29.50
11	11	each	18.25	19.50	20.75	22.00	23.25	24.25	25.50	26.75	28.00	29.00	30.25	31.50	32.75
12	12	each	20.50	21.75	23.00	24.50	25.75	27.00	28.25	29.50	31.00	32.25	33.50	34.75	36.00
13	13	each	22.75	24.25	25.00	27.00	28.25	29.75	31.25	32.50	34.00	35.25	36.75	38.00	39.50
14	14	each	25.25	26.75	28.25	29.75	31.25	32.75	34.25	35.75	37.25	38.75	40.25	41.75	43.25

H't Ft.	Projection Ft.		17 ft.	18 ft.	19 ft.	20 ft.	21 ft.	22 ft.	23 ft.	24 ft.	25 ft.	26 ft	27 ft.	28 ft.	29 ft.
4	4	each	$13.75	$14.25	$14.75	$15.25	$15.75	$16.25	$16.75	$17.25	$17.75	$18.25	$18.75	$19.25	$19.75
5	5	each	16.00	16.75	17.25	17.75	18.50	19.00	19.75	20.25	20.75	21.50	22.00	22.75	23.25
6	6	each	18.75	19.50	20.25	20.75	21.50	22.25	23.00	23.75	24.25	25.00	25.75	26.50	27.25
7	7	each	21.50	22.25	23.25	24.00	24.75	25.50	26.25	27.25	28.00	28.75	29.50	30.25	31.25
8	8	each	24.50	25.25	26.25	27.25	28.00	29.00	29.75	30.75	31.75	32.50	33.50	34.25	35.25
9	9	each	27.50	28.50	29.50	30.50	31.50	32.50	33.50	34.50	35.50	36.50	37.50	38.50	39.50
10	10	each	30.75	31.75	32.75	34.00	35.00	36.25	37.25	38.25	39.50	40.50	41.75	42.75	43.75
11	11	each	33.75	35.00	36.25	37.50	38.50	39.75	41.00	42.25	43.25	44.50	45.75	47.00	48.00
12	12	each	37.50	38.75	40.00	41.25	42.50	44.00	45.25	46.50	47.75	49.00	50.50	51.75	53.00
13	13	each	41.00	42.25	43.75	45.00	46.50	47.75	49.25	50.50	52.00	53.50	54.75	56.25	57.50
14	14	each	44.50	46.00	47.50	49.00	50.50	52.00	53.50	55.00	56.50	58.00	59.50	61.00	62.50

Above prices are for awnings complete, when wanted without frames, deduct 15 per cent from above list. Write for prices.

For prices on awnings of different drop or extension to those listed, take the list price of size nearest to that wanted.



WINDOW AWNINGS.

No. 1—Carroll's, 8 oz., adjustable, 2 ft. 4 in., 2 ft. 6 in. and 2 ft. 8 in. wide, w't per doz. 75 lbs., per dozen .....**AGCJ** $28.80

No. 2—Carroll's, 8 oz., adjustable, 2 ft. 10 in., 3 ft. and 3 ft. 2 in. wide, w't per doz. 75 lbs.....per dozen **AGCJ** $28.80

No. 3—Carroll's, 8 oz., adjustable, 3 ft. 4 in., 3 ft. 6 in. and 3 ft. 8 in. wide, w't per doz. 75 lbs., per dozen .....**AGCJ** $28.80

ALL AWNINGS F. O. B. CHICAGO.

Carroll's are made of bright blue and white or brown and white striped canvas, fast colors, double faced, so constructed that when faded on one side they can be turned the other side out, thus doubling their serviceability; galvanized fixtures throughout; length 42 in., projection 30 in. Equal in every respect to awnings that sell for much more money. Complete instructions for hanging with each awning.

METALLIC CARTRIDGES.

All Peters Cartridges Are Loaded with Either King's Celebrated Semi-Smokeless or with Smokeless Powder

RIM FIRE.



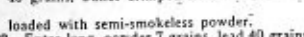
22—Short Blank, powder 3 grains, for 22 caliber revolvers and pistols.
32—Short Blank, powder 9 grains, for 32 caliber revolvers and pistols.
22—BB caps, round ball, for Flobert and other gallery rifles, lead 20 grains, fulminate and smokeless powder.



22—C. B. caps, conical swaged bullet, for gallery rifles, lead 29 grains, lubricated, semi-smokeless and smokeless powder.
22—Short, powder 3 grains, lead 30 grains, for 22 caliber revolvers and rifles, semi-smokeless and smokeless powder, mushroom, lubricant and non-lubricant bullet.



22—Long, powder 5 grains, lead 35 grains, for 22 caliber revolvers and rifles, semi-smokeless and smokeless powder, mushroom, lubricant and non-lubricant bullets.
22—Long rifle, powder 5 grains, lead 40 grains, bullet crimped but slightly to insure accuracy, for long range and target practice, semi-smokeless and smokeless powder, mushroom and non-lubricant bullet.



22—Stevens Pope Armory, powder 5 grains, lead 40 grains, bullet crimped into shell, loaded with semi-smokeless powder.
22—Extra long, powder 7 grains, lead 40 grains, adapted for various rifles of this caliber, loaded with semi-smokeless powder.
22—W. R. F., powder 7 grains, lead 45 grains, adapted to Winchester repeating rifle, model 1890, semi-smokeless and smokeless powder.
22—Winchester Automatic, adapted to Winchester automatic rifle, lead 45 grains, smokeless powder.



25—Short Stevens, powder 5 grains, lead 69 grains, semi-smokeless powder.
25—Stevens, powder 11 grains, lead 65 grains, adapted to Winchester and Stevens single shot rifles, semi-smokeless powder.
32—Extra short, powder 6 grains, lead 55 grains, for 32 revolvers and rifles, semi-smokeless powder.



32—Short, powder 9 grains, lead 80 grains, for 32 short caliber revolvers and rifles, semi-smokeless powder.
32—Long, powder 13 grains, lead 90 grains, for 32 long caliber revolvers and rifles, semi-smokeless powder.



41—Short, powder 13 grains, lead 130 grains, for 41 short caliber revolvers and rifles, semi-smokeless powder.

CENTER FIRE.



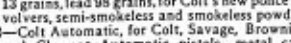
22—Winchester, powder 13 grains, lead 45 grains, for Winchester single shot rifles, semi-smokeless powder.
25-20—Marlin and Winchester repeating rifles, powder 17 grains, lead 86 grains, for Marlin rifles, semi-smokeless and smokeless powder.



25-20—Winchester and Stevens, single shot, powder 20 grains, lead 86 grains, for Winchester and Stevens single shot rifles, semi-smokeless and smokeless powder.
25—Automatic pistol, 60 grain metal cased bullet, smokeless powder, for Colt, Browning and Clement automatic pistols.



30—Luger, caliber same as 7.65 M.M, German and American, for Luger Automatic pistol, soft point or steel jacket bullet, lead 93 grains, smokeless powder.
32—S. & W., powder 9 grains, lead 85 grains, for Smith & Wesson and other revolvers, semi-smokeless and smokeless powder.
32—S. & W. long, powder 13 grains, lead 98 grains, for Smith & Wesson hand ejector revolvers, semi-smokeless and smokeless powder.



32—Colt New Police, or Police Positive, powder 13 grains, lead 98 grains, for Colt's new police revolvers, semi-smokeless and smokeless powder.
32—Colt Automatic, for Colt, Savage, Browning and Clement Automatic pistols, metal case bullet, 74 grains, smokeless powder.



32—Short Colt, powder 9 grains, lead 80 grains, for 32 short caliber revolvers, semi-smokeless and smokeless powder.
32—Long Colt, powder 12 grains, lead 90 grains, for 32 long caliber revolvers, semi-smokeless and smokeless powder.



32-20—Marlin, Winchester and Colt, powder 20 grains, lead 100 grains, for Marlin and Winchester rifles, also Colt and other revolvers, semi-smokeless and smokeless powder.
38—S. & W., powder 14 grains, lead 145 grains, for Smith & Wesson and other revolvers, semi-smokeless and smokeless powder.
38—S. & W. Special, powder 21 grains, lead 158 grains, for Smith & Wesson and Colt revolvers, semi-smokeless and smokeless powder.



38—S. & W., Special gallery, powder 10 grains, lead 69 grains, for Smith & Wesson and Colt revolvers, smokeless powder

CENTER FIRE.



38—Colt Automatic, for Colt automatic revolvers, 130 grains, metal case bullet, smokeless powder.
38—Short Colt, powder 18 grains, lead 130 grains, for Colt revolvers and other rifles of this caliber, semi-smokeless and smokeless powder.



38—Long Colt, powder 19 grains, lead 150 grains, for 38 long caliber revolvers and rifles, semi-smokeless and smokeless powder.
38—Colt New Police, or Police Positive, powder 14 grains, lead 150 grains, for Colt new police revolvers, semi-smokeless powder.



38-40—Marlin and Winchester, powder 40 grains, lead 180 grains, for Marlin, Colt and Winchester rifles, also Colt and other revolvers, semi-smokeless and smokeless powder.
380—Colt Automatic, for Colt revolvers, 95 grains, metal case bullet, smokeless powder.



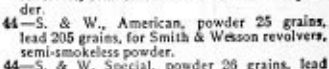
41—Short Colt D. A., powder 14 grains, lead 160 grains, for 41 caliber Colt D. A. revolvers, semi-smokeless powder.
41—Long Colt's D. A., powder 21 grains, lead 200 grains, for 41 caliber Colt's D. A. revolver semi-smokeless and smokeless powder.



44—Bulldog, powder 15 grains, lead 188 grains for 44 caliber Webley and bull dog revolvers, semi-smokeless powder.
44—Webley, powder 18 grains, lead 200 grains, for 44 caliber Webley double action revolvers, semi-smokeless powder.

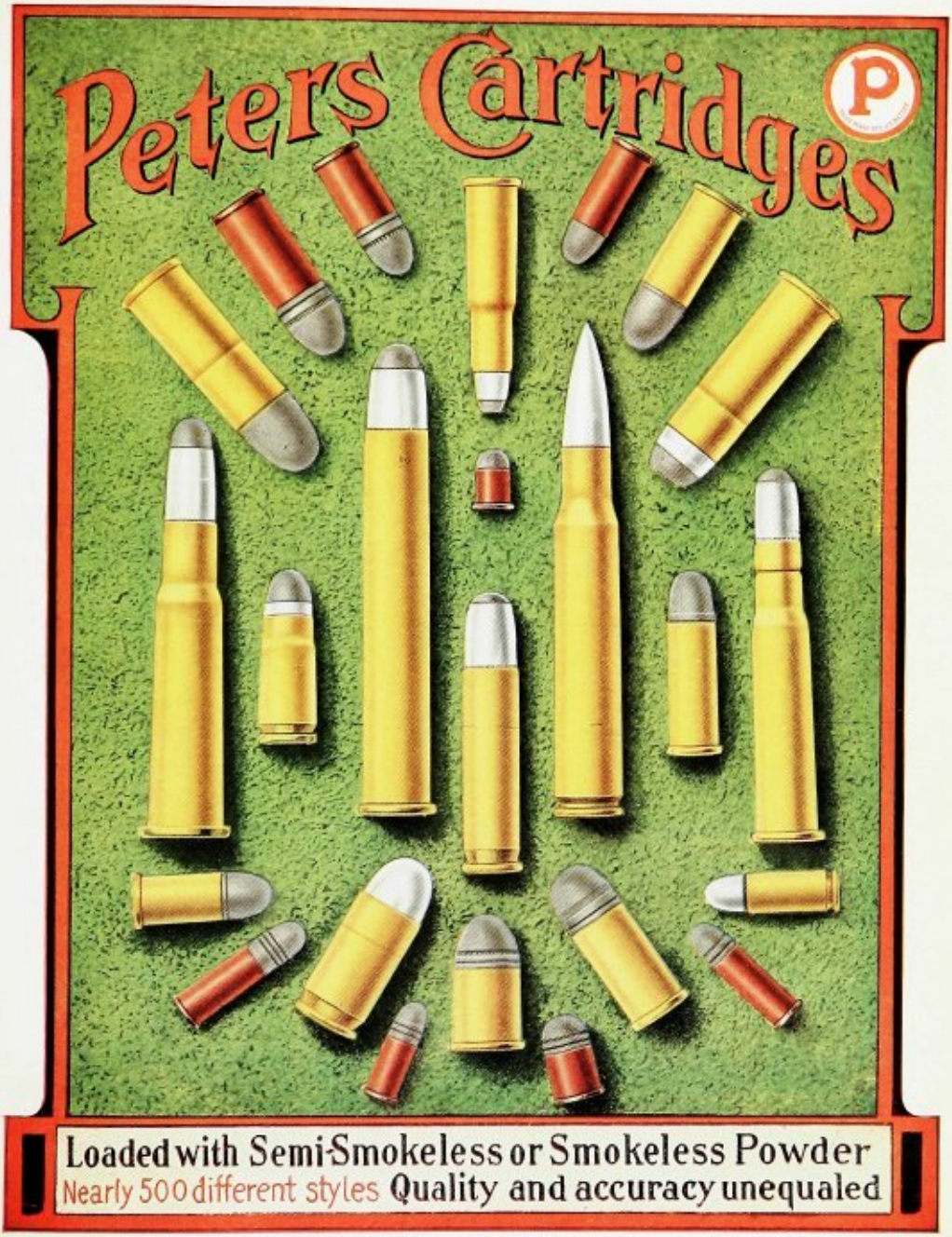


44—S. & W., Russian, powder 23 grains, lead 246 grains, for Smith & Wesson and Colt revolvers, semi-smokeless and smokeless powder.
44—S. & W., American, powder 25 grains, lead 205 grains, for Smith & Wesson revolvers, semi-smokeless powder.
44—S. & W. Special, powder 26 grains, lead 246 grains, for Smith & Wesson 44 special revolver, smokeless powder.
44-40—Marlin, Winchester and Colt, powder 40 grains, lead 200 grains, for Marlin and Winchester rifles, also Colt and Smith & Wesson revolvers, semi-smokeless and smokeless powder.



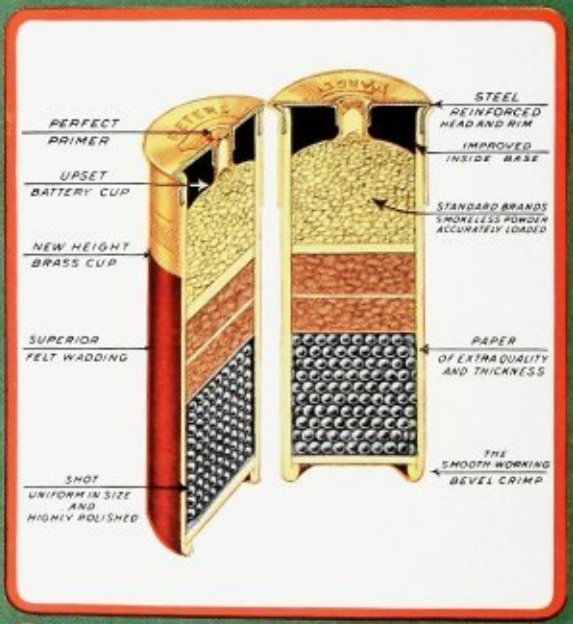
44—Marble game getter, powder 20 grains, lead 119 grains, for Marble game getter and other rifles, semi-smokeless powder.
45—Colt U. S. A., powder 28 grains, lead 255 grains, semi-smokeless powder.
45—Colt U. S. A., powder 38 grains, lead 255 grains, semi-smokeless and smokeless powder

HIBBARD, SPENCER, BARTLETT & CO.



PETERS SHOT SHELLS

made with
"STEEL WHERE STEEL BELONGS"











PETERS SHOT SHELLS

The kind that won
1914 Grand American Handicap
U.S. Amateur Championship 1913 and 1914
U.S. High Amateur and Professional Averages 1914
U.S. Professional Averages 1913
1911 Grand American Handicap, etc., etc.



PETERS METALLIC CARTRIDGES.

All Peters Cartridges are Loaded either with King's Semi-Smokeless or with Smokeless Powder.

CENTER FIRE MILITARY AND SPORTING.



25—Colt Automatic, 200 grains, metal case bullet, for Colt's revolvers, smokeless powder.



22—High Power Savage, for Savage model 1899 rifle, diam. of bullet .228 in., w't of bullet 70 grains, striking energy 1206 ft. lbs., metal case or soft point, smokeless powder.



25-35—Winchester, lead 117 grains for Winchester repeating rifles model 1894, and Savage repeating rifle, smokeless powder.



25-36—Marlin, lead 117 grains, for Marlin rifle, smokeless powder.



25—Remington Autoloading, 117 grains bullet, for Remington autoloading rifles, smokeless powder.



30-30—Marlin and Winchester, lead 170 grains, for Marlin, Winchester model 1894 and Savage rifles, semi-smokeless or smokeless powder.



30-30—Marlin and Winchester, short range, lead 113 grains, for Marlin, Winchester and Savage rifles, smokeless powder.



30-30—Remington, autoloading, metal case, 170 grains, soft point for Remington autoloading rifles, smokeless less powder.★



30-40—U. S. Army, lead 220 grains, for Krag-Jorgensen repeating rifle, adopted by U. S. government, and Winchesters model 1895, and single shot rifles, smokeless powder.



303—Savage, lead 190 grains, for Savage repeating rifle, smokeless powder.

CENTER FIRE MILITARY AND SPORTING.



32-40—Marlin and Winchester, lead 165 grains, for Marlin, Winchester, Savage and Ballard rifles, semi-smokeless and smokeless powder.



32—Winchester special, bullet 170 grains, for Winchester rifle, smokeless powder.



32—Remington autoloading, metal case or soft point, lead 165 grains, for Remington autoloading rifle, smokeless powder.



32—Winchester, self-loading, metal case or soft point, 165 grains, for Winchester model 1905 self-loading rifle, smokeless powder.

35—Winchester, self-loading, metal case or soft point, 180 grains, for Winchester model 1905, self-loading rifle, smokeless powder.



33—Winchester, bullet 200 grains, high power for Winchester rifle, model 1886, soft point or metal case, smokeless powder.



35—Winchester, bullet 250 grains, high power, for Winchester rifle, model 1886, soft point or metal case, smokeless powder.



35—Remington, autoloading, metal case or soft point, lead 200 grains, for Remington autoloading rifles, smokeless powder.



351—Winchester, self-loading, metal case or soft point, lead 180 grains, for Winchester model 1907, self-loading rifles, smokeless powder.



38-55—Marlin and Winchester, lead 255 grains, for Marlin, Winchester, Savage and Ballard rifles, semi-smokeless and smokeless powder.

CENTER FIRE MILITARY AND SPORTING.



38-56—Winchester, lead 255 grains, for Marlin rifle, model 1895, and Winchester rifle, model 1886, and single shot, semi-smokeless and smokeless powder.



401—Winchester self-loading, metal case or soft point, for Winchester model 1910, self-loading rifles, smokeless powder.



40-82—Marlin and Winchester, powder 82 grains, lead 260 grains, for Marlin rifle, model 1895, and Winchester single shot and repeating rifles, semi-smokeless and smokeless powder.



45-70-405—Government, powder 70 grains, lead 405 grains, for U. S. Army, Springfield, Marlin and Winchester rifles, semi-smokeless and smokeless powder.

PETERS SHOT CARTRIDGES.



Rim Fire, Loaded with King's Semi-Smokeless Powder.

Cal.	Cipher	Case Contains	W't of Case Lbs.	Per 1,000	
22—Long	Thin	10M	50	JEEE	$11.00
32—Long	Thick	5M	65	AAAJ	22.00





Center Fire, Pistol Size, Loaded with King's Semi-Smokeless Powder.

32—Smith and Wesson, size shot 10, cipher, theory, case contains 5M, w't of case 68 lbs., per 1,000 JIJE $12.00

38—Smith and Wesson, size shot 9, cipher, theme, case contains 2M, w't of case 48 lbs. ....per 1,000 AJIJ $14.50

44-40—Winchester and Marlin, size shot 8, cipher, turbine, case contains 2 M, w't of case 86 lbs., per 1,000 .....AEJE $20.00

44—XL, size shot 6 or 8, cipher, tumbles, case contains 2 M, w't of case 103 lbs., per 1,000 .....AEHJ $21.00

45-70—Government, Peters make, size shot 8 .....per 1,000 CEHJ $42.00

PETERS SEMI-SMOKELESS CARTRIDGES.

Loaded with King's Semi-Smokeless Powder.

BULLET BREECH CAPS.

Caliber	Cipher	Case Contains	W't of Case, lbs.	Per 1,000	
22—B. B. Cap, round ball	Leaf	10M	39	CEJ	$3.50

100 IN A BOX.

RIM FIRE.

22—Short	Lagoon,	10M	65	BEJ	$5.00
22—Short, Mushroom	Locate,	10M	63	BGE	5.50
22—Long	Lament,	10M	72	CJJ	6.00
22—Long, Mushroom	Limit,	10M	66	CDJ	6.50
22—Long, Rifle	Lark,	10M	85	CEJ	6.00
22—Long, Rifle, Mushroom	Lesson,	10M	83	CGE	6.50
22—Stevens-Pope Armory	Late,	10M	86	CEJ	6.00
22—Extra long	Logic,	10M	93	EBE	9.00
22—W. R. F., Model 1890	Lop,	5M	56	EBE	9.00
25—Short, Stevens	Loiter,	4M	58	JEHJ	10.00
25—Stevens	Lofty,	2M	35	JHBE	14.00
32—Extra short	Lustre,	5M	60	JEHJ	10.00
32—Short	Ledger,	5M	85	JEHJ	10.00
32—Long	Lathe,	5M	98	JFGJ	11.50
41—Short	Lyric,	3M	81	JHGJ	15.00

ABOVE PACKED 50 IN A BOX.

MILITARY AND SPORTING.

32-40—Winchester, Marlin & Savage	Ultra,	1M	58	BEDJ	$27.00
38-55—Winchester, Marlin & Savage	Until,	1M	73	CAJE	33.00
38-56—Marlin & Winchester	Umpire,	1M	83	CAJE	33.00
40-65—Marlin & Winchester	Umbrella,	1M	86	CAJE	33.00
40-82—Marlin & Winchester	Ultimate,	1M	87	CCHE	36.00
45-60—Winchester	Utter,	1M	89	CAJE	33.00
45-70-405—Government	Unbolt,	1M	104	CBIJ	35.00
45-90—Marlin & Winchester	Unbutton,	1M	96	CCHE	36.00

ABOVE PACKED 20 IN A BOX.

CENTER FIRE, PISTOL AND RIFLE.

Caliber	Cipher	Case Contains	W't of Case, lbs.	Per 1,000	
22—Winchester Single Shot	Maritime,	2M	35	ACJJ	$15.00
25-20—Marlin & Winchester Repeater	Meadow,	2M	54	ACHE	16.00
25-20—Stevens & Winchester Single Shot	Mansard,	2M	56	AEFJ	18.00
32—Smith & Wesson	Magic,	5M	100	JIFJ	11.00
32—Long, Smith & Wesson	Mansion,	5M	117	AJDE	12.00
32—Short, Colt's	Maroon,	5M	93	JIFJ	11.00
32—Long, Colt's	Matting,	5M	100	AJDE	12.00
32—Colt's, New Police—Police Positive	Mandate,	5M	117	AJDE	12.00
32-20—Winshester & Marlin	Mallard,	2M	57	ACHE	16.00
38—Colt's, New Police—Police Positive	Minimize,	2M	66	AAGJ	13.50
38—Smith & Wesson	Mallett,	2M	65	AAGJ	13.50
38—Smith & Wesson Special	Music,	2M	73	ADCJ	16.50
38—Short, Colt's D. A.	Memory,	4M	119	AAGJ	13.50
38—Long, Colt's D. A.	Melt,	3M	100	ABEE	14.50
38-40—Winchester & Marlin	Moose,	2M	92	AFDE	19.00
41—Short, Colt's D. A.	Muscle,	2M	71	ACJJ	15.00
41—Long, Colt's D. A.	Mouse,	2M	82	AEAE	17.50
44—Bull Dog	Magnesia,	2M	79	ABEE	14.50
44—Webley	Magneta,	2M	86	ADCJ	16.50
44—Smith & Wesson Russian	Master,	2M	111	AGCE	20.00
44—Smith & Wesson American	Mizzen,	2M	90	AFDE	19.00
44-40—Winchester & Marlin	Mount,	2M	100	AFDE	19.00
45—Colt's Army, single or double action	Mogul,	2M	118	AIJE	22.00

ABOVE PACKED 50 IN A BOX.

BLANK CARTRIDGES.

22—Short, rim fire	Terror,	10M	20	AEJ	$5.00
32—Short, rim fire	Tenor,	5M	23	JBGE	10.00
32—Smith & Wesson, center fire	Tenant,	5M	33	JEEJ	11.00
38—Smith & Wesson, center fire	Tulle,	2M	22	JGJJ	13.50
45-70—Government	Twig,	1M	55	BIHJ	35.00

45-70 PACKED 20, BALANCE 50 IN A BOX.

BLANK SHELLS.

10—Gauge Cannon, loaded with 8 drs. black powder, per 100		BAE	$2.50

TWENTY-FIVE IN A BOX.

The Peters Cartridge Co. may be regarded as a pioneer in the manufacture of ammunition by mechanical processes. It literally created a new article of commerce and established a trade previously unknown or thought impossible, thus benefitting many, and opening a field of operation whose advantages other manufacturers have been quick to seize.

Its loading machines are without an equal in the world. They load with great rapidity and with far greater accuracy and uniformity than can be had by the most careful and expert hand-loading. They are entirely automatic and each operation is so guarded by testing and tell-tale devices that a mistake in loading is practically impossible.

The factories of The Peters Cartridge Co. ar, among the largest and certainly comprise the most complete ammunition plant in the world. The output in all kinds of shells and ammunition amounts to hundreds of millions annually.

It produces the greatest variety of goods of any cartridge concern in the world, and it does what no other concern attempts, makes practically everything entering into the completed shell or cartridge of whatever kind, except some of the rawest parts of the raw material and some of the nitro powders. The result is, The Peters Cartridge Co. not only obtains everything at first hand, but is able to watch over every detail of the process and to know that it is right.

Take, for instance, the Primer. This Company not only constructs all its own primers, but mkaes every particle of fulminate entering into same. It carefully selects and tests all material, chooses the proper conditions, and conducts with scientific accuracy every detail of the process. It is, therefore, able to maintain a very high and uniform standard in all its primers and primer material, and to secure the most prompt and complete combustion and the highest velocity for all powders.

Take again the Wads. All wads used or sold by this company are of its own manufacture. It has, in connection with its works, one of the most complete felt factories anywhere to be found. It makes felt wholly for wads, and with a view to securing the best results in loading. The material is carefully selected, the sheets are accurately gauged, and the felting done in such way as to secure the greatest elasticity.

The same may be said of the Shot. This company makes its own shot, having for this purpose a tower of the latest pattern. The shot can, therefore, be always counted on as the same, which is a very important matter in securing accuracy and uniformity in results.

★*FOR FACTORY SHIPMENT ONLY.*

PETERS SMOKELESS CARTRIDGES.

Caliber.	Cipher.	Case Contains	Weight of Case, lbs.		Per 1,000.
22-BB—Cap, round bullet	Scale,	10M	39	CEJ	$3.50
22-CB—Cap, conical swaged bullet, lubricated and packed	Suffer,	10M	57	BBJ	4.00

ABOVE PACKED 100 IN A BOX.

Rim Fire.

22—Short, lubricant	Solder,	10M	63	BFE	6.25
22—Short, non-lubricant	Sneeze,	10M	63	BFE	6.25
22—Short, Mushroom, non-lubricant	Shank,	10M	63	BHE	6.75
22—Long, lubricant	Sing,	10M	67	CGE	7.50
22—Long, non-lubricant	Syndicate,	10M	67	CGE	7.50
22—Long, Mushroom, non-lubricant	Shudder,	10M	66	DJJ	8.00
22—Long rifle, non-lub.	Steeple,	10M	82	CGE	7.50
22—Long Rifle, Lubricant, rim fire smokeless cart. ridges	Steerage,	10M	82	DCE	7.50
22—Winchester Automatic, Model 1903	Sulphone,	5M	52	JEHJ	10.00
22—Remington Auto Loading, rim fire, for No. 1025 rifles		5M	521	JEHJ	10.00
22—W. R. F., Model 1890, lubricant	Shuck,	5M	55	JEHJ	10.00
22—W. R. F., Model 1890, non-lubricant	Siege,	5M	55	JEHJ	10.00

ABOVE PACKED 50 IN A BOX. NON-LUBRICANT ARE REGULAR.

Center Fire, Pistol and Rifle.

25-20—Stevens and Winchester, Single Shot, Soft Point	Simper,	2M	54	AIJE	$22.00
25-20—M. and W. Lead	Soothe,	2M	52	AFDE	19.00
25-20—Mar. and Win., Soft Point	Silken,	2M	52	AGCE	20.00
25-20—Mar. and Win., M.C.	Simoon,	2M	52	AGCE	20.00
25-20—Mar. and Win., High Velocity, Soft Pt.	Sodium,	2M	52	AHBJ	21.00
25—Automatic Pistol, Metal Case	Sibilant,	5M	70	ADCJ	16.50
30—Luger, Soft Point	Suffrage,	2M	62	BBEE	26.00
30—Luger, Metal Case	Sulky,	2M	62	BBEE	26.00
32—Short, Colt's	Soprano,	5M	88	AJDJ	12.00
32—Long, Colt's	Sorrel,	5M	95	AAGE	13.50
32—Colt's New Police, Police Positive	Sizzle,	5M	110	AAGE	13.50
32—Automatic Pistol, M.C.	Silence,	5M	95	AEGJ	18.00
32—Smith and Wesson, Lead	Spacious,	5M	94	AJDJ	12.00
32—S. and W., Metal Case	Smack,	5M	94	AACJ	13.00
32—S. and W., Long, Lead	Spatter,	5M	117	AAGE	13.50
32—S. and W., Long, M.C.	Smart,	5M	117	ABFE	14.50
32-20—Win. and Mar., S.P.	Sinister,	2M	57	AGCE	20.00
32-20—Win. and Mar., M.C.	Siphon,	2M	57	AGCE	20.00
32-20—Win. and Mar., High Velocity, Soft Pt.	Solace,	2M	57	AHBJ	21.00
9MM—Hollow Point, smokeless, for Luger Pistol		2M	57	BCDJ	27.00
35—Smith & Wesson Automatic, rimless, metal case	Scientist,	5M	100	AEFJ	18.00
38—Automatic, Colt's, Metal Case	Sultan,	2M	60	BBEE	26.00
38—Smith and Wesson	Speller,	2M	63	ACDE	15.50
38—S. and W., Metal Case	Smilax,	2M	63	ADCJ	16.50
38—S. and W., Special, Lead	Simplify,	2M	69	AFJE	18.50
38—S. and W., Special, Metal Case	Smither,	2M	69	AFIJ	19.50
38—S. and W., Special Mid Range, "Wad Cutter" Bullet	Subdue,	2M	68	ACHE	16.00
38—S. and W., Special Gallery	Sullage,	2M	50	ADCJ	16.50
38—Short, Colt's, D. A.	Squadron,	4M	113	ACDE	15.50
38—Long, Colt's, D. A.	Stable,	3M	100	ADCJ	16.50
38—Long Colt's, Metal Pt.	Smudge,	3M	101	AEAE	17.50
38—Colt's New Police, Police Positive	Smuggle,	2M	63	ACDE	15.50
38-40—Win. and Mar., S.P.	Slogan,	2M	89	BJHJ	24.00

ABOVE PACKED 50 IN A BOX

Caliber.	Cipher.	Case Contains	Weight of Case, lbs.		Per 1,000.
Center Fire, Pistol and Rifle.					
38-40—Win. and Mar., M.C.	Slope,	2M	89	BJHJ	24.00
380—Automatic, Colt's, Metal Case	Segregate,	2M	55	BAFE	25.00
41—Long, Colt's, D. A.	Star,	2M	78	AGCE	20.00
44—S. and W., Special	Surcrease,	2M	103	BJHJ	24.00
44-40—Win. and Mar., Soft Point	Slouch,	2M	95	BJHJ	24.00
45—Automatic, Colt's, Metal Case	Sombre,	2M	95	BFJJ	30.00
45—Colt's	Sergeant,	2M	109	BABE	24.50

ABOVE PACKED 50 IN A BOX.

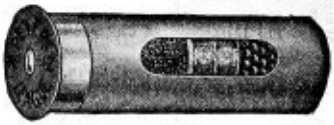
Center Fire, Military and Sporting.

250-3000—High Power, Savage, soft point		1M	42	CIEJ	42.00
22—High Power Savage, Soft Point	Singer,	1M	42	CEGE	38.00
22—High Power Savage, Metal Case	Soldier,	1M	42	CEGE	38.00
25-35—Win. and Sav., Soft Point	Upset,	1M	49	CAJE	33.00
25-35—Win. and Sav., Metal Case	Uprouse,	1M	49	CAJE	33.00
25-36—Marlin, Soft Point	Upper,	1M	50	CAJE	33.00
25—Remington Auto-loading, Rimless, Soft Pt.	Umbrade,	1M	49	CAJE	33.00
25—Remington Auto-loading, Rimless, Mtl. Case	Ulnage,	1M	49	CAJE	33.00
30-30—Mar., Win. and Sav., Soft Point	Unloose,	1M	58	CEGE	38.00
30-30—Mar., Win. and Sav., Metal Case	Universe,	1M	58	CEGE	38.00
30-30—Remington Auto-load'g, Rimless, Soft Pt.	Ufanar,	1M	58	CEGE	38.00
30-30—Remington Auto-loading, Rimless, Metal Case	Ubicos,	1M	57	CEGE	38.00
30-40—U. S. Army, S. P.	Unfasten,	1M	75	DGJE	50.00
30-40—U. S. Army, M. C.	Upturn,	1M	75	DGJE	50.00
30—Government, Model 1903, Rimless, Soft Pt.	Ulluco,	1M	75	EAGE	55.00
30—Government, Model 1906, Rimless, Sharp Pointed Bullet, 150 grains, Metal Case	Ugrian,	1M	68	EAGE	55.00
303—Savage, Soft Point	Uproot,	1M	61	CEGE	38.00
303—Savage, Metal Case	Unhorse,	1M	61	CEGE	38.00
32—Winchester Self-loading, Model 1905, Soft Pt.	Uberous,	2M	80	BEDJ	27.00
32—Special, Win. and Mar., Soft Point	Unmast,	1M	58	CEGE	38.00
32—Special, Win. and Mar., Metal Case	Uncertain,	1M	58	CEGE	38.00
32—Remington Auto-loading, Rimless, Soft Pt.	Urticate,	1M	57	CEGE	38.00
32-40—Win., Mar. and Sav., Soft Point	Unify,	1M	57	CJAJ	32.00
32-40—Win., Mar. and Sav., High Velocity, Soft Point	Uncouple,	1M	57	CEGE	38.00
33—Winchester, Soft Pt.	Urtical,	1M	77	DGJE	50.00
35—Winchester, Soft Pt.	Usbecks,	1M	80	EAGE	55.00
35—Win., Self-loading, Model 1905, Soft Point	Udalman,	2M	85	BEHE	27.50
35—Remington Auto-loading, Rimless, Soft Point	Ulema,	1M	65	CIEJ	42.00
351—Win., Self-loading, Soft Point	Uncial,	2M	92	CAAJ	32.00
38-55—Win., Mar. and Sav., Soft Point	Unique,	1M	70	CGFJ	40.00
38-56—Mar. and Win., Soft Point	Unkempt,	1M	81	CGFJ	40.00
401—Win. Self-loading, 200 Grain, Soft Point	Ultion,	1M	59	CGFJ	40.00
45-70—Government, 405 Grain Bullet, Soft Pt.	Upbraid,	1M	102	CIEJ	42.00
45-90—Win. and Mar., Soft Point	Usher,	1M	87	DJDE	43.00

ABOVE PACKED 20 IN A BOX, EXCEPT 32, 35 AND 351 WINCHESTER SELF-LOADING, WHICH COME 50 IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

PETERS "LEAGUE" LOADED SHELLS.



Manila Colored.

Combinations of powder and shot not shown in our list or Peters' list must be charged at an arbitrary list price of $5.00 higher than similar regular load.

LEAGUE shells are loaded with King's extra fine quality black powder, two card wads and two elastic felt wads over powder, one cardboard wad over shot, best quality shot, accurate to gauge and sure fire.

12 Gauge, Loaded with Black Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.		
728	Dash	3	1	8	AHIJ	$25.00	
727	Drift	3	1	7	AHIJ	25.00	
726	Daunt	3	1	6	AHIJ	25.00	
725	Dawn	3	1	5	AHIJ	25.00	
724	Dazzle	3	1	4	AHIJ	25.00	
757	Debate	3¼	1⅛	7	BJJJ	26.50	
756	Deceive	3¼	1⅛	6	BJJJ	26.50	
755	Decide	3¼	1⅛	5	BJJJ	26.50	
754	Deck	3¼	1⅛	4	BJJJ	26.50	
753	Declaim	3¼	1⅛	3	BJJJ	26.50	

10 Gauge, Loaded with Black Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.	
836	Edify	4¼	1⅛	6	BBBE	$29.50
835	Efficacy	4¼	1⅛	5	BBBE	29.50
834	Emancipate	4¼	1⅛	4	BBBE	29.50

16 Gauge, Loaded with Black Powder.

946	Fancy	2¾	1	6	AIFJ	26.00
945	Famine	2¾	1	5	AIFJ	26.00
954	Feast	3	1	4	BJJJ	26.50

25 IN A BOX; 500 IN A CASE.

We suggest the following "League" loads for the various game shooting—

Quail and Partridge—**No. 728**—3 drs. powder, 1 oz. No. 8 shot.
Quail and Partridge—**No. 757**—3¼ drs. powder, 1⅛ oz. No. 7 shot.
Prairie Chicken—**No. 757**—3¼ drs. powder, 1⅛ oz. No. 7 shot.
Prairie Chicken—**No. 756**—3¼ drs. powder, 1⅛ oz. No. 6 shot.
Ducks—**No. 756**—3¼ drs. powder, 1⅛ oz. No. 6 shot.
Ducks—**No. 755**—3¼ drs. powder, 1⅛ oz. No. 5 shot.
Ducks—**No. 754**—3¼ drs. powder, 1⅛ oz. No. 4 shot.
Rabbits and Squirrels—**No. 727**—3 drs. powder, 1 oz. No. 7 shot.
Rabbits and Squirrels—**No. 726**—3 drs. powder, 1 oz. No. 6 shot.
Rabbits and Squirrels—**No. 757**—3¼ drs. powder, 1⅛ oz. No. 7 shot.
Rabbits and Squirrels—**No. 756**—3¼ drs. powder, 1⅛ oz. No. 6 shot.
Doves—**No. 728**—3 drs. powder, 1 oz. No. 8 shot.
Doves—**No. 757**—3¼ drs. powder, 1⅛ oz. No. 7 shot.

In analyzing a shell, we find two distinct features which govern its worth, namely, Quality and Dependability. Quality means, of course, certain features which ammunition makers and users agree are essential to a first-class load. Dependability means that those features must appear with absolute uniformity in every load.

If two shells, supposed to be the same, give different results, owing to variations in materials or in loading, uniformity will be sacrificed, and consequently the result of each shot must be more or less in doubt.

A manufacturer of loaded shells who buys primers, or fulminate from which primers are made, from one concern, his shot from another, his wads from still another, etc., can never be sure of an absolutely uniform standard, because the quality of his raw materials is subject to the whim of various manufacturers over whom he has no control and who are not vitally interested in the quality of the completed shell, but only in the profit on their particular goods.

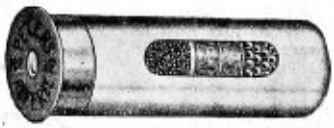
On the other hand, if there were a concern manufacturing ammunition that used only standard brands of powder, much of it made under its own supervision, if it maintained its own shot tower because it insisted on having perfectly formed and polished shot, and was not satisfied with the quality of the best shot procurable in the open market, if it refused to use wads unless of a certain uniform standard of elasticity and freedom from dirt, and so was forced to make its own, if its loading machines were marvels of mechanical perfection and embodied many special features covered by its own patents, if it followed the most rigid system of inspection and maintained the highest standards known to ammunition experts—if there were such a concern, its product ought to be, and would be, both dependable and of unsurpassed quality.

There is one such concern, namely, The Peters Cartridge Company, of Cincinnati, Ohio. Its factories cover an area of twelve acres and comprise nearly 500,000 square feet of floor space, it manufactures or supervises the manufacture of every item of raw materials entering into its finished product, and it is thus the most complete plant of its kind in the world.

Guaranty—These shells are made by the latest improved machinery and are loaded with extreme care. We warrant every Peters' loaded shell we send out.

Signed, Hibbard, Spencer, Bartlett & Co.

PETERS "REFEREE" LOADED SHELLS.



Purple Colored.

Combinations of powder and shot not shown in Peters' or our catalogue must be charged an arbitrary list price of $5.00 higher than the similar regular load.

Referee Shells are Loaded with King's Semi-Smokeless Powder.

This is a wonderful powder. While it is neither a black nor a nitro powder, nor a mixture of the two, it has the best qualities of both without their faults. It has the high velocity of a nitro powder with the low breech pressure of black. It is just as safe as black powder and may be used in the same way, bulk for bulk, though the same results may be obtained with less charge. It is free from smoke and very clean, permitting of hundreds of shots being fired without cleaning and without injury to the gun or loss of accuracy. It will not deteriorate nor is it affected by climatic influences, as are most of the nitro powders.

Many experts prefer it to any nitro powder, while the beauty of it is, it costs the same as black powder and requires nothing better than the ordinary gun, shell, primer and loading, such as would be required for a good quality of black powder.

12 Gauge, Loaded with King's Semi-Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.
A98	Azure	3	1	8	AHHE $25.00
A97½	Aver	3	1	7½	AHHE 25.00
A97	Assume	3	1	7	AHHE 25.00
A96	Apprehend	3	1	6	AHHE 25.00
A95	Afford	3	1	5	AHHE 25.00
A94	Aim	3	1	4	AHHE 25.00
A93	Askance	3	1	3	AHHE 25.00
A92	Aspen	3	1	2	AHHE 25.00
A58	Amass	3	1⅛	8	AIFJ 26.00
A57½	Amaze	3	1⅛	7½	AIFJ 26.00
A57	Amend	3	1⅛	7	AIFJ 26.00
A56	Anchor	3	1⅛	6	AIFJ 26.00
A55	Annex	3	1⅛	5	AIFJ 26.00
A54	Appall	3	1⅛	4	AIFJ 26.00
A53	Accord	3	1⅛	3	AIFJ 26.00
A52	Alimony	3	1⅛	2	AIFJ 26.00
A5BB	Asquint	3	1¼	BB	BAAE 28.00
A78	Affix	3¼	1⅛	8	BJJJ 26.50
A77	Astound	3¼	1⅛	7	BJJJ 26.50
A76	Arm	3¼	1⅛	6	BJJJ 26.50
A75	Armor	3¼	1⅛	5	BJJJ 26.50
A74	Arrange	3¼	1⅛	4	BJJJ 26.50
A73	Array	3¼	1⅛	3	BJJJ 26.50
A72	Arrear	3¼	1⅛	2	BJJJ 26.50
A71	Agile	3¼	1⅛	1	BJJJ 26.50
A7BB	Assert	3¼	1⅛	BB	BAEJ 28.50
AX244	Acquire	3½	1	5Buck	BAAE 28.00
AX242	Acidity	3½	1	4Buck	BAAE 28.00
A57½Ch.	Amazing	3	1¼	7½Ch.	BAAE 28.00
A56Ch.	Anchoring	3	1¼	6Ch.	BAAE 28.00
A55Ch.	Annexing	3	1¼	5Ch.	BAAE 28.00
A54Ch.	Appalling	3	1¼	4Ch.	BAAE 28.00
A76Ch.	Arming	3¼	1¼	6Ch.	BAEJ 28.50
A75Ch.	Armoring	3¼	1¼	5Ch.	BAEJ 28.50
A74Ch.	Arranging	3¼	1¼	4Ch.	BAEJ 28.50
A77½Ch.	Aspiring	3¼	1⅛	7½Ch.	BAEJ 28.50

12 Gauge, Single Ball, Loaded with King's Semi-Smokeless Powder.

A1SB	Accost	3¼	1oz. ball	BCJJ	$30.50

10 Gauge, Loaded with King's Semi-Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.
B06	Banish	3¼	1⅛	6	BAIJ $29.00
B28	Barter	3½	1⅛	8	BAIJ 29.00
B27	Begin	3½	1⅛	7	BAIJ 29.00
B26	Believe	3½	1⅛	6	BAIJ 29.00
B25	Benefit	3½	1⅛	5	BAIJ 29.00
B24	Blow	3½	1⅛	4	BAIJ 29.00
B56	Buffeted	3¾	1¼	6	BBFE 30.00
B55	Buffon	3¾	1¼	5	BBFE 30.00
B54	Burst	3¾	1¼	4	BBFE 30.00
B53	Bluff	3¾	1¼	3	BBFE 30.00
B52	Bland	3¾	1¼	2	BBFE 30.00
B5BB	Blast	3¾	1¼	BB	BDAE 32.00

16 Gauge, Loaded with King's Semi-Smokeless Powder.

C16	Corody	2¼	⅞	6	AHEJ $24.50
C14	Code	2¼	⅞	4	AHEJ 24.50
C28	Calm	2½	⅞	8	AHEJ 24.50
C27	Caper	2½	⅞	7	AHEJ 24.50
C26	Caress	2½	⅞	6	AHEJ 24.50
C25	Carmine	2½	⅞	5	AHEJ 24.50
C24	Contest	2½	⅞	4	AHEJ 24.50
C38	Cast	2½	1	8	AIBE 25.50
C37	Chain	2½	1	7	AIBE 25.50
C36	Cite	2½	1	6	AIBE 25.50
C35	Cosmic	2½	1	5	AIBE 25.50
C34	Cossack	2½	1	4	AIBE 25.50
C33	Cost	2½	1	3	AIBE 25.50
C3BB	Crumble	2½	1	BB	BJEE 27.50
CX266	Circumflex	2½	¾	5Buck	BJCE 27.00

20 Gauge, Loaded with King's Semi-Smokeless Powder.

C218	Convent	2	¾	8	AHEJ $24.50
C217	Coat	2	¾	7	AHEJ 24.50
C216	Collate	2	¾	6	AHEJ 24.50
C215	Combine	2	¾	5	AHEJ 24.50
C214	Compose	2	¾	4	AHEJ 24.50

25 IN A BOX; 500 IN A CASE.

28 Gauge, Loaded with King's Semi-Smokeless Powder.

C278	Carroll	1¼	⅝	8	AFIE $22.50
C276	Cary	1¼	⅝	6	AFIE 22.50
C274	Cap	1¼	⅝	4	AFIE 22.50

Table Showing Strength of Semi-Smokeless Powder in Comparison with Black Powder.

2¼ dr. Semi-smokeless Powder equal to 2¼ dr. Black Powder.
2¼ dr. Semi-smokeless Powder equal to 3 dr. Black Powder.
3 dr. Semi-smokeless Powder equal to 3¼ dr. Black Powder.
3¼ dr. Semi-smokeless Powder equal to 3½ dr. Black Powder.
3½ dr. Semi-smokeless Powder equal to 3¾ dr. Black Powder.
3¾ dr. Semi-smokeless Powder equal to 4 dr. Black Powder.

We suggest the following "Referee" loads for the various game shooting—

Quail and Partridge—**No. A98**—3 drs. powder, 1 oz. No. 8 shot.
Prairie Chicken—**No. A57**—3 drs. powder, 1⅛ oz. No. 7 shot.
Prairie Chicken—**No. A56**—3 drs. powder, 1⅛ oz. No. 6 shot.
Ducks—**No. A76**—3¼ drs. powder, 1⅛ oz. No. 6 shot.
Ducks—**No. A75**—3¼ drs. powder, 1⅛ oz. No. 5 shot.
Ducks—**No. A74**—3¼ drs. powder, 1⅛ oz. No. 4 shot.
Rabbits and Squirrels—**No. A97**—3 drs. powder, 1 oz. No. 7 shot.
Rabbits and Squirrels—**No. A96**—3 drs. powder, 1 oz. No. 6 shot.
Doves—**No. A98**—3 drs. powder, 1 oz. No. 8 shot.
Doves—**No. A58**—3 drs. powder, 1⅛ oz. No. 8 shot.

PETERS "TARGET" LOADED SHELLS.

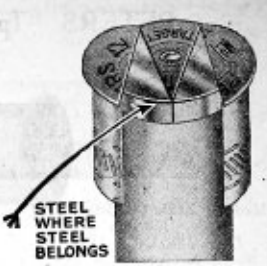


A Medium Brass Shell for Bulk Smokeless Powders.
Maroon Colored.

"TARGET" shells have the new "steel where steel belongs" reinforced head, the steel drives into the rim and clear across the head, preventing the gases from working back into the single thickness of brass that forms the head and rim of competitive shells and bursting them. The special base wad is wedged into place by the upset battery cup and cannot blow forward into the barrel.

Special Loaded Shells.

Combinations of powder and shot not shown in Peters' or our lists must be charged an arbitrary list price of $5.00 higher than the similar regular load.



12 Gauge, Loaded with Dupont Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.
D3118	Facet	3	1	8	BDBJ $36.00
D3117	Faction	3	1	7	BDBJ 36.00
D3116	Fagot	3	1	6	BDBJ 36.00
D3115	Facund	3	1	5	BDBJ 36.00
D3114	Fadge	3	1	4	BDBJ 36.00
D3148	Fanatic	3	1⅛	8	BEBJ 37.50
D3147½	Fang	3	1⅛	7½	BEBJ 37.50
D3147	Fantail	3	1⅛	7	BEBJ 37.50
D3146	Farce	3	1⅛	6	BEBJ 37.50
D3145	Fasten	3	1⅛	5	BEBJ 37.50
D3144	Fathom	3	1⅛	4	BEBJ 37.50
D3168	Fume	3¼	1⅛	8	BEIJ 38.50
D3167	Fanfare	3¼	1⅛	7	BEIJ 38.50
D3166	Fawn	3¼	1⅛	6	BEIJ 38.50
D3165	Feature	3¼	1⅛	5	BEIJ 38.50
D3164	Fantasy	3¼	1⅛	4	BEIJ 38.50
D3163	Famous	3¼	1⅛	3	BEIJ 38.50
D3162	Falsify	3¼	1⅛	2	BEIJ 38.50
D3161	Fallacy	3¼	1⅛	1	BEIJ 38.50
D3214	Flange	3¼	1	4	BDHE 37.00
D3215	Flank	3¼	1	5	BDHE 37.00
D3216	Flash	3¼	1	6	BDHE 37.00
D316BB	Fanfoot	3½	1⅛	BB	BGEE 41.00
DX283	Flambeau	3½	1	5Buck	BFEE 39.50
DX282	Flagstone	3½	1	4Buck	BFEE 39.50
DX285	Flagon	3½	1	8Buck	BFEE 39.50
D3157½	Fatigue	3	1¼	7½	BFBJ 39.00
D3147½Ch.	Fanging	3	1¼	7½Ch.	BFIJ 40.00
D3147 Ch.	Fantailing	3	1¼	7Ch.	BFIJ 40.00
D3146 Ch.	Farcing	3	1¼	6Ch.	BFIJ 40.00
D3145 Ch.	Fastening	3	1¼	5Ch.	BFIJ 40.00
D3144 Ch.	Fathoming	3	1¼	4Ch.	BFIJ 40.00
D3167½Ch.	Finaling	3¼	1¼	7½Ch.	BGEJ 41.00
D3167 Ch.	Finishing	3¼	1¼	7Ch.	BGEJ 41.00
D3166 Ch.x2¾	Falling	3¼	1¼	6Ch.	BGEJ 41.00
D3166 Ch.	Fawning	3¼	1¼	6Ch.	BGEJ 41.00
D3165 Ch.	Featuring	3¼	1¼	5Ch.	BGEJ 41.00
D3164 Ch.x2¾	Fanlying	3¼	1¼	4Ch.	BGEJ 41.00
D3164 Ch.	Fantasying	3¼	1¼	4Ch.	BGEJ 41.00
D3163 Ch.	Fallacying	3¼	1¼	3Ch.	BGEJ 41.00
D3162 Ch.	Falsifying	3¼	1¼	2Ch.	BGEJ 41.00
D3157½Ch.	Fatigueing	3	1¼	7½Ch.	BGIJ 41.50
D3177½Ch.	Feigning	3½	1½	7½Ch.	BHEE 42.50
D3187½Ch.	Floating	3½	1½	7½Ch.	BHEE 42.50
D3214 Ch.	Flangeing	3¼	1	4Ch.	BFEE 39.50
D3215 Ch.	Flanking	3¼	1	5Ch.	BFEE 39.50
D3216 Ch.	Flashing	3¼	1	6Ch.	BFEE 39.50

12 Gauge, Single Ball, Loaded with Dupont Smokeless Powder.

D3SB	Fountain	3	1 oz. ball	BGIJ	$41.50

12 Gauge, Loaded with Dupont Smokeless Powder, with Shot Spreader.

D3148SS	Yankee	3	1⅛	8	BFIJ	$40.00
D3147½SS	Yawl	3	1⅛	7½	BFIJ	40.00
D3147SS	Yeoman	3	1⅛	7	BFIJ	40.00
D3147½SS	Ch.Yearling	3	1⅛	7½Ch.	BHEE	42.50

10 Gauge, Loaded with Dupont Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.	Price per 1,000.
D3316	Fertile	3½	1⅛	6	BHBE $42.00
D3338	Fervent	3½	1¼	8	BIBJ 43.50
D3337	Fester	3½	1¼	7	BIBJ 43.50
D3336	Festoon	3½	1¼	6	BIBJ 43.50
D3335	Fetch	3½	1¼	5	BIBJ 43.50
D3334	Fetlock	3½	1¼	4	BIBJ 43.50
DX293	Fluid	3½	1¼	4Buck	CJIJ 46.00

16 Gauge, Loaded with Dupont Smokeless Powder.

D3538	Filter	2½	1	8	BCEE $35.00
D3537½	Fizzle	2½	1	7½	BCEE 35.00
D3537	Finance	2½	1	7	BCEE 35.00
D3536	Finch	2½	1	6	BCEE 35.00
D3535	Finger	2½	1	5	BCEE 35.00
D3534	Firkin	2½	1	4	BCEE 35.00
D353BB	Freakish	2½	1	BB	BEBJ 37.50
D3537½Ch.	Fizzleing	2½	1	7½Ch.	BEBJ 37.50
D3536 Ch.	Finching	2½	1	6 Ch.	BEBJ 37.50
D3535 Ch.	Fingering	2½	1	5 Ch.	BEBJ 37.50
D3534 Ch.	Firkining	2½	1	4 Ch.	BEBJ 37.50

16 Gauge, Single Ball, Loaded with Dupont Smokeless Powder.

D35SB	Firm	2½	⅞ oz. ball	BFBJ	$39.00

20 Gauge, Loaded with Dupont Smokeless Powder.

D3718	Foment	2	¾	8	BAEJ $32.00
D3717	Fotsam	2	¾	7	BAEJ 32.00
D3736	Foozle	2¼	⅞	6	BCBJ 34.50
D3735	Forest	2¼	⅞	5	BCBJ 34.50
D3734	Forge	2¼	⅞	4	BCBJ 34.50
D3737½Ch.	Focusing	2¼	⅞	7½Ch.	BDHE 37.00
D3736 Ch.	Foozleing	2¼	⅞	6 Ch.	BDHE 37.00
D3735 Ch.	Foresting	2¼	⅞	5 Ch.	BDHE 37.00
D3734 Ch.	Forgeing	2¼	⅞	4 Ch.	BDHE 37.00

20 Gauge, Single Ball, Loaded with Dupont Smokeless Powder.

D37SB	Fox	2	⅞ oz. ball	BEBJ	$37.50

28 Gauge, Loaded with Dupont Smokeless Powder.

D3978	Furor	1¾	⅝	8	BDHE $37.00
D3976	Fury	1¾	⅝	6	BDHE 37.00
D3974	Furnace	1¾	⅝	4	BDHE 37.00

12 Gauge, Loaded with Dead Shot Smokeless Powder.

DS3146	Inlay	3	1⅛	6	BEBJ	$37.50
DS3145	Insect	3	1⅛	5	BEBJ	37.50
DS3144	Inflate	3	1⅛	4	BEBJ	37.50
DS3166	Illustrate	3¼	1⅛	6	BEIJ	38.50
DS3165	Imitate	3¼	1⅛	5	BEIJ	38.50
DS3164	Impair	3¼	1⅛	4	BEIJ	38.50
DS3147½Ch.	Igniteing	3	1¼	7½Ch.	BFIJ	40.00
DS3167½Ch.	Intacting	3¼	1¼	7½Ch.	BGEJ	41.00
DS3166 Ch.	Impeaching	3¼	1¼	6 Ch.	BGEJ	41.00
DS3165 Ch.	Impelling	3¼	1¼	5 Ch.	BGEJ	41.00
DS3164 Ch.	Inclosing	3¼	1¼	4 Ch.	BGEJ	41.00
DS3157½Ch.	Increasing	3	1¼	7½Ch.	BGIJ	41.50
DS3167½Ch.	Indexing	3¼	1½	7½Ch.	BGEJ	41.00
DS3177½Ch.	Inviteing	3½	1½	7½Ch.	BHEE	42.50
DS3187½Ch.	Intering	3½	1½	7½Ch.	BHEE	42.50

12 Gauge, Loaded with New E. C. Improved Smokeless Powder.

E3157½Ch.	Indicting	3	1¼	7½Ch.	BGIJ	$41.50
E3187½Ch.	Indicating	3½	1¼	7½Ch.	BHEE	42.50

PACKED 25 IN A BOX; 500 IN A CASE.

We Suggest the Following "Target" Loads for the Various Trap and Game Shooting.

Quail and Partridge—**No. 3148**—3 drs. powder, 1⅛ oz. No. 8 shot.

Quail and Partridge—**No. 3147½**—3 drs. powder, 1⅛ oz. No. 7½ shot.

Prairie Chicken—**No. 3147**—3 drs. powder, 1¼ oz. No. 7 shot.

Prairie Chicken—**No. 3146**—3 drs. powder, 1¼ oz. No. 6 shot.

Prairie Chicken—**No. 3167**—3½ drs. powder, 1¼ oz. No. 7 shot.

Prairie Chicken—**No. 3166**—3½ drs. powder, 1¼ oz. No. 6 shot.

Doves—**No. 3148**—3 drs. powder, 1⅛ oz. No. 8 shot.

Ducks—**No. 3166**—3½ drs. powder, 1¼ oz. No. 6 shot.

Ducks—**No. 3165**—3½ drs. powder, 1¼ oz. No. 5 shot.

Ducks—**No. 3164**—3½ drs. powder, 1⅛ oz. No. 4 shot.

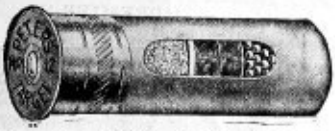
Rabbits and Squirrels—**No. 3147**—3 drs. powder, 1⅛ oz. No. 7 shot.

Rabbits and Squirrels—**No. 3146**—3 drs. powder, 1⅛ oz. No. 6 shot.

Trap Shooting—**No. 3157½Ch.**—3 drs. powder, 1¼ oz. No. 7½Ch. shot.

Trap Shooting—**No. 3187½Ch.**—3½ drs. powder, 1¼ oz. No. 7½Ch. shot.

PETERS "TARGET" AND "IDEAL" LOADED SHELLS.



A Medium Brass Shell for Bulk Smokeless Powders. Maroon Colored.

Combinations of powder and shot not shown in Peters' or our list must be charged an arbitrary list price of $5.00 higher than the similar regular load.



Special Loaded Shells.



A High Brass Shell for Bulk Smokeless Powders. Maroon Colored.

"TARGET."

12 Gauge, Loaded with New Schultze Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.		Price per 1,000.
S3166	Thread	3¼	1⅛	6	BEIJ	$38.50
S3165	Threaten	3¼	1⅛	5	BEIJ	38.50
S3164	Thrive	3¼	1⅛	4	BEIJ	38.50
S3147½Ch.	Tempting	3	1⅛	7½Ch.	BFIJ	40.00
S3166 Ch.	Threading	3¼	1⅛	6 Ch.	BGEJ	41.00
S3165 Ch.	Threatening	3¼	1⅛	5 Ch.	BGEJ	41.00
S3164 Ch.	Thriving	3¼	1⅛	4 Ch.	BGEJ	41.00
S3157½Ch.	Thralling	3	1¼	7½Ch.	BGIJ	41.50
S3187½Ch.	Traveling	3⅛	1¼	7½Ch.	BHEE	42.50

12 Gauge, Loaded with New E. C. Improved Smokeless Powder.

S3536	Trail	2⅛	1	6	BCEE	$35.00

12 Gauge, Loaded with New E. C. Improved Smokeless Powder.

E3157½Ch.	Thumping	3	1¼	7½Ch.	BGIJ	$41.50
E3187½Ch.	Throating	3⅛	1¼	7½Ch.	BHEE	42.50

"Target" and "Idgal" shells have the new "steel where steel belongs," reinforced head. The steel drives into the rim and clear across the head, preventing te gases from working back into the single thickness of brass that forms the head and rim of competitive shells and bursting them. The special base wad is wedged into place by the upset battery cup and cannot blow forward into the barrel.

"IDEAL."

12 Gauge, Loaded with New E. C. Improved Smokeless Powder.

E157½Ch.	Calling	3	1¼	7½Ch.	CJEJ	$52.50
E147½Ch.	Coasting	3⅛	1¼	7½Ch.	CAJE	53.50

12 Gauge, Loaded with Dead Shot Smokeless Powder.

DS147½Ch.	Pappoting	3⅛	1¼	7½Ch.	CAJE	$53.50

"IDEAL."

12 Gauge, Loaded with Du Pont Smokeless Powder.

No.	Cipher.	Drs. Powd.	W't shot oz.	Size shot.		Price per 1,000.
D136	Pantomime	3	1⅛	6	BHAJ	$48.50
D135	Parade	3	1⅛	5	BHAJ	48.50
D134	Papoose	3	1⅛	4	BHAJ	48.50
D176	Picket	3¼	1⅛	6	BHFE	49.50
D175	Picnic	3¼	1⅛	5	BHFE	49.50
D174	Picture	3¼	1⅛	4	BHFE	49.50
D566	Propell	3½	1⅛	6	BIBE	50.50
D565	Probate	3½	1⅛	5	BIBE	50.50
D564	Probe	3½	1⅛	4	BIBE	50.50
D563	Proctor	3½	1⅛	3	BIBE	50.50
D562	Profile	3½	1⅛	2	BIBE	50.50
D561	Protract	3½	1⅛	1	BIBE	50.50
D56BB	Provoke	3½	1⅛	BB	CJGJ	53.00
D137½Ch.	Pumping	3	1⅛	7½Ch.	BIEE	51.00
D136 Ch.	Pantomimeing	3	1⅛	6 Ch.	BIEE	51.00
D177½Ch.	Pestering	3¼	1⅛	7½Ch.	CJAJ	52.00
D176 Ch.	Picketing	3¼	1⅛	6 Ch.	CJAJ	52.00
D175 Ch.	Picnicing	3¼	1⅛	5 Ch.	CJAJ	52.00
D174 Ch.	Picturing	3¼	1⅛	4 Ch.	CJAJ	52.00
D567 Ch.	Proffering	3½	1⅛	7 Ch.	CJGJ	53.00
D566 Ch.	Propelling	3½	1⅛	6 Ch.	CJGJ	53.00
D565 Ch.	Probateing	3½	1⅛	5 Ch.	CJGJ	53.00
D564 Ch.	Probeing	3½	1⅛	4 Ch.	CJGJ	53.00
D563 Ch.	Proctoring	3½	1⅛	3 Ch.	CJGJ	53.00
D562 Ch.	Profileing	3½	1⅛	2 Ch.	CJGJ	53.00
D157½Ch.	Perempting	3	1¼	7½Ch.	CJDJ	52.50
D147½Ch.	Pauseing	3⅛	1¼	7½Ch.	CAJJ	53.50
D197½Ch.	Parching	3¼	1¼	7½Ch.	CAJJ	53.50
D127½Ch.	Petonging	3½	1¼	7½Ch.	CAEE	54.50
D125 Ch.	Peypusing	3½	1¼	5 Ch.	CAEE	54.50

12 Gauge, Single Ball, Loaded with Dupont Smokeless Powder.

D5SB	Pharmacy	3	1 oz. ball		CJDJ	$52.50

12 Gauge, Loaded with Dupont Smokeless Powder, with Shot Spreader.

D137½SS Ch.	Voting	3	1⅛	7½Ch.	CAJJ	$53.50

16 Gauge, Loaded with Dupont Smokeless Powder.

D2646	Puncheon	2½	1	6	BFFE	$46.00
D2647½Ch.	Pygmying	2½	1	7½Ch.	BHAJ	48.50
D2616 Ch.	Purchasing	2¾	1	6 Ch.	BHFE	49.50
D2614 Ch.	Punishing	2¾	1	4 Ch.	BHFE	49.50

20 Gauge, 3 Inch Shell, Dupont Smokeless Powder.

D2717½Ch.X3	Protocol	2½	⅞	7½Ch.	CABE	$54.00
D2716 Ch.X3	Protract	2½	⅞	6 Ch.	CABE	54.00

PACKED 25 IN A BOX; 500 IN A CASE.

We suggest the following "Ideal" loads for the various game and trap shooting—

Quail and Partridge—**No. 138**—3 drs. powder, 1⅛ oz. No. 8 shot.

Quail and Partridge—**No. 137½**—3 drs. powder, 1⅛ oz. No. 7½ shot.

Prairie Chicken—**No. 136**—3 drs. powder, 1⅛ oz. No. 6 shot.

Prairie Chicken—**No. 177**—3¼ drs. powder, 1⅛ oz. No. 7 shot.

Prairie Chicken—**No. 176**—3¼ drs. powder, 1⅛ oz. No. 6 shot.

Rabbits and Squirrels—**No. 136**—3 drs. powder, 1⅛ oz. No. 6 shot.

Doves—**No. 138**—3 drs. powder, 1⅛ oz. No. 8 shot.

Doves—**No. 137½**—3 drs. powder, 1⅛ oz. No. 7½ shot.

Ducks—**No. 176**—3¼ drs. powder, 1⅛ oz. No. 6 shot.

Ducks—**No. 175**—3¼ drs. powder, 1⅛ oz. No. 5 shot.

Ducks—**No. 174**—3¼ drs. powder, 1⅛ oz. No. 4 shot.

Ducks—**No. 565**—3½ drs. powder, 1⅛ oz. No. 5 shot.

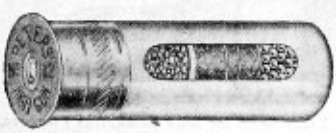
Ducks—**No. 564**—3½ drs. powder, 1⅛ oz. No. 4 shot.

Trap Shooting—**No. 157½Ch.**—3 drs. powder, 1¼ oz. No. 7½Ch. shot.

Trap Shooting—**No. 147½Ch.**—3⅛ drs. powder, 1¼ oz. No. 7½Ch. shot.

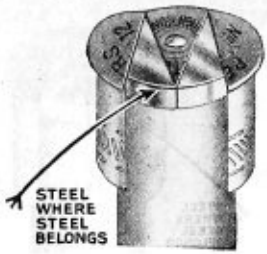
PETERS' "HIGH GUN" AND "PREMIER" LOADED SHELLS.

"HIGH GUN."



A Medium Brass Shell for Dense Smokeless Powder.

Blue Colored.



"PREMIER."



A High Brass Shell for Dense Smokeless Powder.

Blue Colored.

Combinations of powder and shot not shown in Peters' or our list must be charged an arbitrary list price of $5.00 higher than the similar regular load.

"HIGH GUN."

12 Gauge, Loaded with Infallible Dense Smokeless Powder.

NUMBER	CIPHER	GRS. POWD.	OZ. SHOT	SIZE SHOT	PER 1,000
L 38	Lisp	24	1⅛	8	BEBJ $37.50
L 37½	Limp	24	1⅛	7½	BEBJ 37.50
L 37	Lounge	24	1⅛	7	BEBJ 37.50
L 36	Lexicon	24	1⅛	6	BEBJ 37.50
L 35	Leopard	24	1⅛	5	BEBJ 37.50
L 34	Lock	24	1⅛	4	BEBJ 37.50
L 76	Leaven	26	1⅛	6	BEIJ 38.50
L 75	Larrup	26	1⅛	5	BEIJ 38.50
L 74	Languish	26	1⅛	4	BEIJ 38.50
L 37½Ch.	Limping	24	1⅛	7½Ch.	BFIJ 40.00
L 36 Ch.	Lexiconing	24	1⅛	6 Ch.	BFIJ 40.00
L 35 Ch.	Leoparding	24	1⅛	5 Ch.	BFIJ 40.00
L 34 Ch.	Locking	24	1⅛	4 Ch.	BFIJ 40.00
L 77½Ch.	Levying	26	1⅛	7½Ch.	BGDE 41.00
L 76 Ch.	Leavening	26	1⅛	6 Ch.	BGDE 41.00
L 75 Ch.	Larruping	26	1⅛	5 Ch.	BGDE 41.00
L 74 Ch.	Languishing	26	1⅛	4 Ch.	BGDE 41.00
L 57½Ch.	Lecturing	24	1¼	7½Ch.	BGIJ 41.50
L447½Ch.	Linneting	25	1¼	7½Ch.	BHEE 42.50
L 97½Ch.	Lubroiding	26	1¼	7½Ch.	BHEE 42.50

16 Gauge, Loaded with Infallible Dense Smokeless Powder.

L1646	Leisure	20	1	6	BCEJ $35.00

12 Gauge, Loaded with Ballistite Dense Smokeless Powder.

N 38	Newell	24	1⅛	8	BEBJ $37.50
N 37½	Neglect	24	1⅛	7½	BEBJ 37.50
N 37	Nibble	24	1⅛	7	BEBJ 37.50
N 36	Noble	24	1⅛	6	BEBJ 37.50
N 35	Nominate	24	1⅛	5	BEBJ 37.50
N 34	Nole	24	1⅛	4	BEBJ 37.50
N436	Nigrine	25	1⅛	6	BEHJ 38.50
N 64	Nugget	26	1	4	BDHE 37.00
N 65	Nudge	26	1	5	BDHE 37.00
N 66	Nuncio	26	1	6	BDHE 37.00
N 78	Nargate	26	1⅛	8	BEIJ 38.50
N 77	Nap	26	1⅛	7	BEIJ 38.50
N 76	Nictate	26	1⅛	6	BEIJ 38.50
N 75	Nucleate	26	1⅛	5	BEIJ 38.50
N 74	Nubulize	26	1⅛	4	BEIJ 38.50
N 73	Nadis	26	1⅛	3	BEIJ 38.50
N 72	Nag	26	1⅛	2	BEIJ 38.50
N 71	Naid	26	1⅛	1	BEIJ 38.50
N 7BB	Naive	26	1⅛	BB	BGDE 41.00
N 37½Ch.	Nicking	24	1⅛	7½Ch.	BFIJ 40.00
N 37 Ch.	Nibbling	24	1⅛	7 Ch.	BFIJ 40.00
N 36 Ch.	Nobling	24	1⅛	6 Ch.	BFIJ 40.00
N 35 Ch.	Nominating	24	1⅛	5 Vh.	BFIJ 40.00
N 34 Ch.	Noling	24	1⅛	4 Ch.	BFIJ 40.00
N 64 Ch.	Nuggeting	26	1	4 Ch.	BFEE 39.50
N 65 Ch.	Nudgeing	26	1	5 Ch.	BFEE 39.50
N 66 Ch.	Nuncioing	26	1	6 Ch.	BFEE 39.50
N 77½Ch.	Noticeing	26	1⅛	7½Ch.	BGDE 41.00
N 76 Ch.	Nothing	26	1⅛	6 Ch.	BGDE 41.00
N 75 Ch.	Nucleateing	26	1⅛	5 Ch.	BGDE 41.00
N 74 Ch.	Netting	26	1⅛	4 Ch.	BGDE 41.00
N 73 Ch.	Nadising	26	1⅛	3 Ch.	BGDE 41.00
N 72 Ch.	Naging	26	1⅛	2 Ch.	BGDE 41.00
N 71 Ch.	Naiding	26	1⅛	1 Ch.	BGDE 41.00
N 57½Ch.	Nonplusing	24	1¼	7½Ch.	BGIJ 41.50
N447½Ch.	Novating	25	1¼	7½Ch.	BHEE 42.50
N 97½Ch.	Nelbaring	26	1¼	7½Ch.	BHEE 42.50

"HIGH GUN."

16 Gauge, Loaded with Ballistite Dense Smokeless Powder.

NUMBER	CIPHER	GRS. POWD.	OZ. SHOT	SIZE SHOT	PER 1,000
N1657½	Nictunt	20	⅜	7½	BBEJ $33.50
N1647	Naphthol	20	1	7	BCEJ 35.00
N1646	Nargile	20	1	6	BCEJ 35.00
N1645	Ninox	20	1	5	BCEJ 35.00
N1644	Nihil	20	1	4	BCEJ 35.00
N1647½Ch.	Nitiding	20	1	7½Ch.	BEBJ 37.50
N1646 Ch.	Naigiling	20	1	6 Ch.	BEBJ 37.50
N1645 Ch.	Ninoxing	20	1	5 Ch.	BEBJ 37.50
N1644 Ch.	Nihiling	20	1	4 Ch.	BEBJ 37.50

20 Gauge, Loaded with Ballistite Dense Smokeless Powder.

N1698	Nomad	16	¾	8	BADJ $32.00
N1697	Nonage	16	¾	7	BADJ 32.00
N1676	Noddle	18	⅞	6	BCDJ 34.50
N1677½Ch.	Nonceing	18	⅞	7½Ch.	BDHE 37.00
N1676 Ch.	Noddleing	18	⅞	6 Ch.	BDHE 37.00

28 Gauge, Loaded with Ballistite Dense Smokeless Powder.

N1876	Nuptial	14	⅝	6	BDHE $37.00

"PREMIER."

12 Gauge, Loaded with Ballistite Dense Smokeless Powder.

R176	Nod	26	1⅛	6	BHEJ $49.50
R175	Noblois	26	1⅛	5	BHEJ 49.50
R174	Nogrobe	26	1⅛	4	BHEJ 49.50
R566	Nebit	28	1⅛	6	BIAJ 50.50
R565	Nopal	28	1⅛	5	BIAJ 50.50
R564	Normal	28	1⅛	4	BIAJ 50.50
R56BB	Nonsuit	28	1⅛	BB	CJGJ 53.00
R527½Ch.	Neutraling	25	1⅛	7½Ch.	CJAJ 52.00
R177 Ch.	Nultiteing	26	1⅛	7 Ch.	CJAJ 52.00
R176 Ch.	Noding	26	1⅛	6 Ch.	CJAJ 52.00
R175 Ch.	Nobloising	26	1⅛	5 Ch.	CJAJ 52.00
R174 Ch.	Nogrobeing	26	1⅛	4 Ch.	CJAJ 52.00
R567 Ch.	Nelmoting	28	1⅛	7 Ch.	CJGJ 53.00
R566 Ch.	Nebiting	28	1⅛	6 Ch.	CJGJ 53.00
R565 Ch.	Nopaling	28	1⅛	5 Ch.	CJGJ 53.00
R564 Ch.	Normaling	28	1⅛	4 Ch.	CJGJ 53.00
R157½Ch.	Nocturning	24	1¼	7½Ch.	CJDJ 52.50
R537½Ch.	Numburg	25	1¼	7½Ch.	CAJJ 53.50
R197½Ch.	Nurtureing	26	1¼	7½Ch.	CAJJ 53.50
R196 Ch.	Noguetteing	26	1¼	6 Ch.	CAJJ 53.50
R127½Ch.	Neighing	28	1¼	7½Ch.	CADJ 54.50
R126 Ch.	Nourishing	28	1¼	6 Ch.	CADJ 54.50
R125 Ch.	Notaveling	28	1¼	5 Cr.	CADJ 54.50

12 Gauge, Loaded with Infallible Dense Smokeless Powder.

P176 Ch.	Lotterying	26	1⅛	6 Ch.	CJAJ $52.00
P175 Ch.	Locusting	26	1⅛	5 Ch.	CJAJ 52.00

We suggest the following loads:

For Quail, Partridge, Nos. 38, 37½ and 137½.

For Prairie Chicken, Nos. 37, 36, 436, 76, 177 and 176.

For Ducks, Nos. 76, 75, 74, 176, 175, 174, 566, 565 and 564.

For Rabbits and Squirrels, Nos. 37 and 36.

For Trap Shooting, Nos. 57½Ch., 447½Ch., 157½Ch. and 537½Ch.

SHELLS, PRIMERS, GUN CAPS AND WADS.

PETERS PRIMERS.

No. 1—Copper, for the smaller caliber rifle cartridges,
250 in a box .....per M **AGE** $2.00
100 in a box.....per M **AHJ** 2.00

No. 1½—Copper, for revolver cartridges, size of No. 1,
250 in a box .....per M **AGE** $2.00
100 in a box .....per M **AHJ** 2.00

No. 2—Copper, adapted to paper and brass shells and large revolver cartridges,
250 in a box .....per M **AGE** $2.00
100 in a box.....per M **AHJ** 2.00

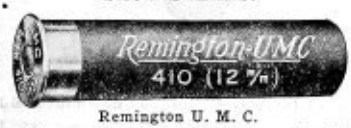
No. 2½—Copper, adapted to military and sporting cartridges, 250 in. a box .....per M **AGE** $2.00
100 in a box.....per M **AHJ** 2.00

No. 3½—Used in Ideal, Target, High Gun and Premier shells, 100 in a box.....per M **AHJ** $2.00

No. 6—Copper, for smokeless powder rifle cartridges, same size as No. 1, 100 in a box....per M **AHJ** $2.00

No. 6½—Brass, for smokeless rifle cartridges, same size as No. 1, 100 in a box .....per M **AHJ** $2.00

SHOT SHELLS.



Remington U. M. C.

No. 4105—.410 gauge, 5-6 drs. smokeless powder, ½ oz. No. 6 size shot .....per 1000 **AFAJ** $24.00

No. 4108—.410 gauge, 5-6 drs. smokeless powder, ½ oz. No. 8 size shot .....per 1000 **AFAJ** $24.00

The .410 gauge shot shell for small game, is effective up to 30 yards and is manufactured especially to meet the demand for small gauge shot shells of sufficient power to kill small animals such as squirrels, rabbits, chipmunks, muskrats, weasels, woodchucks, small birds, etc., where the shocking power and range of the larger shells are not necessary.

Our numbers 419205 and 410210 single barrel guns are chambered for this shell. (Page 1914.)

TWENTY-FIVE IN A BOX; FIVE HUNDRED IN A CASE.

EMPTY PAPER SHOT SHELLS.



Peters League, for Black Powders, No. 2 Primer, Color Manila

12 Gauge, 2⅝ in. .....**GAJ** $8.00
16 Gauge, 2⅞ in. .....per M **GJE** 7.50



Peters Target, Cherry Red, Using No. 3½ Battery Cup Primer, for Light and Medium Loads of Bulk Smokeless Powder.

12 Gauge, 2⅝ in. .....per M **JIDJ** $10.00
16 Gauge, 2⅞ in. .....per M **HIE** 9.50

ALL EMPTY SHELLS, 100 IN A BOX.

BRASS SHOT SHELLS.

"Club" and "Rival," Using No. 2 Primer.

12 Gauge, 2⅝ in. .....per hundred **CAE** $8.00

"Best Quality," Using No. 2 Primer.

12 Gauge, 2⅝ in.....per hundred **JDEJ** 10.00
16 Gauge, 2½ in.....per hundred **JDEJ** 10.00
20 Gauge, 2⅛ in.....per hundred **JDEJ** 10.00

25 IN A BOX.

GUN CAPS.

Trimmed Edge, center fire, Nos. 10, 11 and 12, per M .....**FE** $0.80

Hick's E. B., ground edge No. 11 .....per M **JIE** 1.15

Musket, in tin, best American .....per M **AJE** 1.25

100 IN A BOX; 1,000 IN A PACKAGE. NOT SOLD IN LESS THAN FULL PACKAGE.

PETERS GUN WADS.



Black Edge.

Gauge	10	11	12	16	20
Regular thickness, per M	$1.25 JFI	1.05 JFJ	1.05 JFJ	1.05 JFJ	1.05 JFJ
¼ in. thick, per M			$1.60 JIJ		



Victor, Black Edge Felt.

12 Gauge—⅛ in. thick.....per M **JHJ** $1.80

These wads are especially adapted to nitro powder, contain no oil or grease, and are well protected against dampness. Should be used next to the powder, with lubricated wad above. Recoil will be perceptibly lessened and other qualities improved.



White Felt.

Lubricated, for Nitro Powder.

12 Gauge, ⅛ in. thick....per M **BGE** $4.95



Cardboard.

Cut from cardboard made especially for this purpose, of even thickness and density.

Gauge	10	12	16
"A" thickness, Over-Powder, 72-1000 in., per thousand	$0.40 BB	.32 AH	.32 AH
"B" thickness, Over-shot, 40-1000 in., per thousand	$0.40 BB	.32 AH	.32 AH



Nitro Cardboard.

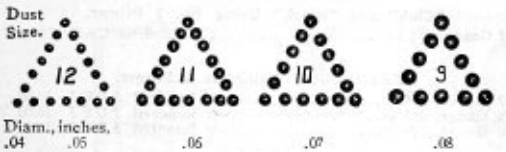
Thick blue. For use over nitro powders. Will increase velocity and penetration and improve pattern by preventing the felt wads being torn by the explosion.

12 Gauge .. . per M **AF** $0.18

WHITE FELT WADS ARE PACKED 125 IN A BOX; 500 IN A PACKAGE; ALL OTHER WADS ARE PACKED 250 IN A BOX, 1,000 IN A PACKAGE.

SHOT, BAR LEAD AND SHOT CASES.

DROP AND CHILLED SHOT.



Buck SHOT.



BAR LEAD.

In boxes of 25 lbs.....per lb., $

WE DO NOT BREAK BOXES.

Above cuts show actual size of shot.

BOY SCOUT AIR RIFLE SHOT.



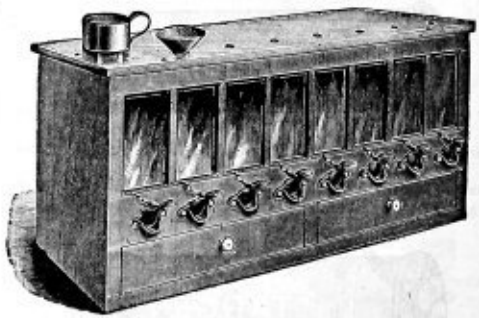
No. 15—Contains 5 ounces air rifle shot, put up in strong paper tube, w't per doz. 4½ lbs., per **dozen tubes EJ $0.84**

No. 16—Case lots of one hundred tubes, w't per case 33 lbs., otherwise same as No. 15 .....per case **CIJ $6.50**

Designed for pocket use, by turning band on tube, shot may be removed as wanted.

ONE HUNDRED TUBES IN A CASE. WE DO NOT BREAK TUBES.

SHOT CASES.



No. 20—Dunscomb's, hardwood, highly finished, 8 glass front compartments each holding 50 lbs. of shot, improved gates with safety lock, size 24x13½x9 in., w't 25 lbs., each .....**EAJ $8.50**

WRITE FOR PRICES ON SHOT.

ALL SHOT IN 25 LB. BOXES IS SUPPLIED IN 1 LB. PACKAGES. WE DO NOT BREAK BAGS OR BOXES.

BLASTING SUPPLIES AND GUN POWDER.

SAFETY FUSE.



STAR.

Cotton, w't per 1,000 ft. 9¼ lbs., 12,000 ft. in case ...per 1,000 feet **BGE** $4.60
Single Tape, w't per 1,000 ft. 17 lbs., per 1,000 feet .....**CFJ** $6.00

TWELVE THOUSAND FEET IN A CASE.

Star BrandSafety Mining Fuse is imported direct from Germany, and enjoys forty-five years of the highest reputation all over the world.

CLIMAX.

Single Tape, w't per 1,000 ft. 17 lbs., per 1,000 feet .....**DCJ** $4.75
Double Tape, w't per 1,000 ft. 19 lbs., per 1,000 feet ..... **EJE** $5.60

ONE THOUSAND FEET IN A BOX.

ENSIGN BICKFORD & CO.'S.

Beaver Brand, yellow cover, w't per 1,000 ft. 16 lbs., per 1,000 ft. **DDJ** $4.60
Single Tape, w't per 1,000 ft. 16 lbs., per 1,000 feet .....**DEE** $4.75
Anchor Brand, white finish, double countered taped, w't per 1,000 ft. 20 lbs. .....per 1,000 feet **ECJ** $5.50
Double Tape, w't per 1,000 ft. 17 lbs., per 1,000 feet .....**ECE** $5.60
Gutta Percha, Stag Brand, white finish, w't per 1,000 ft. 20 lbs., per 1,000 feet ..... **FCE** $6.60

Single Tape and Beaver Brand are suitable for damp, but not wet work; Double Tape and Anchor Brand for use in very wet ground; Gutta Percha can be used with certainty and safety under water.

ALL FUSES PACKED IN 100 FT. COILS OF TWO 50 FT. LENGTHS. WE DO NOT BREAK COILS.

ONE THOUSAND FEET IN A BOX.

FUSE CUTTERS.



No. 5—5½ in. long, pressed steel, polished steel finish, with cap crimper, w't per doz. 7½ lbs., per dozen .....**CFJ** $6.00

A convenient tool for cutting the fuse and crimping the cap fast to the fuse. By its use misshots may often be avoided.

MINERS' SQUIBS.



No. 1 Powell's—For general use, per thousand ..... **ACJ** $2.20

ONE HUNDRED IN A BOX; 10,000 IN A CASE.

BLACK SPORTING POWDER.



DUPONT.

Dupont Black Sporting, put up in new "Handy to Handle" 1 lb. pkgs., per case of 25—1 lb. pkgs.★**JIDJ** $10.00



DEAD SHOT.

Dead Shot Black Sporting, put up in new "Handy to Handle" 1 lb. packages, per case of 25—1 lb. packages★.....**JIDJ** $10.00

With the new "Handy to Handle" 1 lb. sealed package there is no need to weigh your powder or expose to danger of fire. Cannot be refilled with inferior powder.

DUPONT, DEAD SHOT OR L. & R. ORANGE EXTRA.

25-lb. kegs★.....each **JHAJ** $10.00
12½ lb. half kegs★....each **DDJ** $5.40
6¼ lb. quarter kegs★...each **BCJ** $2.85
1 lb. cans★ .....each **DJ** .48
½ lb. cans★.....each **BB** $0.27

SMOKELESS SHOT GUN POWDER.



DUPONT, "NEW SCHULTZE" OR "NEW E. C."—Bulk.

1 lb. Canisters★.....each **JFE** $1.00
6¼ lb. Quarter kegs★. each **CGJ** 5.75
12½ lb. Half Kegs★....each **GCJ** 11.25
25 lb. kegs★.....each **ADBE** $22.00
50 lb. Drums★.....each **BHBJ** $43.50

SMOKELESS SHOT GUN POWDER.



HERCULES INFALLIBLE OR DU-PONT BALLISTITE—Dense.

1 lb. Canisters—twenty-five in a box, each★ .....**JFE** $1.00
10 lb. Drums—ten in a box, each★ ..... **EHE** $9.00
25 lb. Drums—not boxed, each★ ..... **ADBE** $22.00
50 lb. Drums—not boxed, each★ ..... **BHBJ** $43.50

SMOKELESS RIFLE POWDER.



DUPONT.

No. 1—1 lb. canisters—dense— each★ ..... **JIJ** $1.00
1909 Military No. 20—1 lb. canister—dence★ .....each **AEJ** $1.65
R. S. Q.—1 lb. canister—dense— each ★..... **FB** $0.70
Schuetzen—1 lb. canister—dense— each★ ..... **DD** $0.50
Marksman—8 oz. canister—bulk— each★ ..... **JIJ** $1.00

HERCULES.

W. A. 30 Caliber—1 lb. canister—dense— each★ ..... **AEJ** $1.65
Lightning—1 lb. canister—dense— each★ ..... **AEJ** $1.65
Sharpshooter—1 lb. canister—dense— each★ ..... **AEJ** $1.65
Bulls Eye—1 lb. canister—dense— each★ ..... **JIJ** $1.35
Unique—8 oz. canister—dense— each★ ..... **ACE** $1.50

Dynamite, caps and powder cannot be shipped with other goods, neither can they be sent by express, but will be shipped direct from nearest magazine. Each must be shipped separately, except 100 only caps with each 100 ft. of safety fuse may be sent up to 500 caps and 500 ft. of safety fuse. No more than 500 caps may be shipped with any larger amount of safety fuse.

KING SHOT GUN POWDER.



QUICK SHOT—BLACK POWDER.

Kegs, 25 lbs., sizes FFFFG, FFFG, FFG and FG★..each **JHFC** $10.00

Half Kegs, 12½ lbs., sizes FFFFG, FFFG, FFG, and FG, each★ .....**DFE** $5.40

Quarter Kegs, 6¼ lbs., sizes FFFFG, FFFG, FFG and FG, each★ .....**BDC** $2.85

Pound Cans—14 in case—FFFG, FFG and FG★.....each **DJ** $0.48

Half Pound Cans—24 in case—FFFG, FFG and FG★.....each **BC** $0.27

Celebrated for its strength, velocity, cleanliness, quickness of ignition and freedom from dense, foul smoke. Unequalled for general field work, especially adapted to trap and rapid wing shooting. A great prize winner, and the delight of sportsmen. The very best black powder made.

SEMI-SMOKELESS.

Kegs, 25 lbs.—bulk—FFFG, FFG, FG and CG, each★ .....**HJE** $9.50

Half Kegs, 12½ lbs.—bulk—FFFG, FFG, FG and CG, each★ .....**DAC** 5.00

Quarter Kegs, 6¼ lbs.—bulk—FFFG, FFG, FG and CG, each★ .....**BCJ** 2.75

Pound Cans—bulk—FFFG, FFG, FG and CG, each★ .....**DB** .50

King's Semi-Smokeless, all shipments from factory, F. O. B. Kings Mills, Ohio.

Combines all the best qualities of black powder with the best qualities of nitro powder. Gives the highest velocity of nitro powder with the low bursting strain of black powder. Produces very little smoke and no offensive odor; leaves but the slightest deposit; does not cake or cause leading, pitting or discoloration of gun. Gives a fine pattern; is quick, strong, penetrating, far reaching, always accurate and reliable, and is as safe as any black powder.

Requires no priming and nothing better than the ordinary shell, primer and wadding for the highest efficiency. A great powder for field and trap, and especially gratifying to those desiring a better article than black powder and less expensive than nitro powder.

Equal to the best for shot guns, but excels anything yet discovered for rifles and pistols. Suited equally to all calibers, all sizes and kinds of metallic ammuniton, attention to size of grain only being necessary in order to secure best results. It gives to the ball great velocity, range, penetration, accuracy and very slight trajectory, at the same time leaving the gun almost absolutely free from fouling. Though having a muzzle velocity of nearly 1,700 ft., it does not strip the ordinary lead ball, or cause leading or wild and unaccountable shots.

The grains are hard and resemble those of black powder, with a density of weight somewhat less. After months of storing in ordinary powder kegs, in ordinary magazines and in all temperatures, with frequent tests on instruments, there has not been discovered the slightest trace of deterioration, or any material variation in results.

GUN POWDERS—ACTUAL SIZE.



FFFFG. FFFG. FFG.



FG. CG.

BLASTING POWDER.

BLASTING POWDER.

Dupont, kegs, 25 lbs., sizes FFFF, FFF, FF, F and C, CC, CCC, each★ .....**AGJ** $2.00

Miami, kegs, 25 lbs., sizes FFFF, FFF, FF, F and C, CC, CCC, each★ .....**AGJ** $2.00

Kings, kegs, 25 lbs., sizes FFF, FF, F, C and CC, per keg★ .....**AGJ** 2.00

BLASTING WITH POWDER.

The great advantage that black blasting powder has over high explosives for use in coal mines, building stone quarries and for blasting in soft material is that it exerts a strong push upon the material to be moved and not a blow similar to that exerted by high explosives. This makes black powder very valuable in quarry work where it is desired to obtain material in large blocks.

For use in mining, as the ordinary black powder is in grains, it is impossible to put it in most drill holes unless confined in cartridges, which are usually cylinders of manila paper. Bore holes underground should never be loaded with loose powder on account of the danger of dust from the powder coming in contact with lights and carrying the flames into the main body of powder, thus causing an explosion. However, in quarry work, railroad and other grading it can be poured into dry downward holes. In large chamber blasts, the powder packed in kegs or bags can be placed in the room excavated to receive it.

To spring a hole, explode a stick or two of dynamite in the bottom with very little or no tamping. The explosion forms a chamber or pocket at the bottom, where a large pocket is required, this operation can be repeated with increased charges. When the pocket is thoroughly cooled, pour the powder into this pocket until it begins to come up in the hole, placing the means of ignition as close to the center of the charge as possible. Then tamp the hole solid to the collar.

The cartridges for use in mines can be made by rolling the paper around a wooden cartridge bar of a slightly smaller diameter than the drill hole. The loose edges of the paper are stuck down by means of miners soap, one end of the paper is folded over to close the end of the cartridge, and the stick when removed, leaves a paper cylinder. When the cylinder is filled with powder, the cartridge is completed by folding down the other end.

A uniform and compact tamping is essential with the use of black powder. For tamping black powder charges the material used should be free from small pieces of stone or other hard matter that might produce sparks or damage the fuse; hence stone dust, coal dust, etc., are not considered suitable as tamping. The best material is moist clay, which should be rammed home in layers with a wooden tamping rod, a paper wad being placed between the powder charge and the first layer of clay. In holes having anything but a downward slant the tamping material is best wrapped in short paper cartridges.

DUPONT OR KING CANNON.

Kegs, 25 lbs., FF, FFF, FFFF, FFFFF,★ per keg **EBE** $6.00

This powder is used for celebrating purposes and the manufacture of fireworks and is also used in granite quarrying.

BLASTING POWDERS—ACTUAL SIZE.



FFF
For mining very soft or seamy coal.

FF
For mining soft coal and breaking stone.

F
For mining hard coal and general blasting.



C
For railroad excavations, coal and iron mining, and quarrying hard stone.

CC
For granite and heavy blasting.

Dynamite caps or powder cannot be shipped with other goods, neither can they be sent by express, but will be shipped direct from nearest magazine. Each must be shipped separately, except 100 only cap with each 100 feet of safety fuse may be sent, up to 500 caps and 500 feet o fsafety fuse. No more tan 500 caps may be shipped with any larger amount of safety fuse.

POWDER AND DYNAMITE.

BLASTING WITH DYNAMITE.

Dynamite is a combination of nitroglycerine with other explosive ingredients, and when properly manufactured is much safer than gunpowder. 40% is the grade most used and is best for quarry work, stump blasting, etc. While 30% is suitable for blasting clay, very soft rock and other material which requires a pushing rather than a shattering effect, 50% to 60% is necessary for very hard rock. 60% is best for breaking boulders, submarine blasting and shooting wells. Sold by weight only.

To Prepare a Cartridge for Use.

Cut off a piece of fuse the required length and carefully insert the freshly cut end of the fuse in the cap. The fuse should exactly fit the cap. If it is too large, pare it down, and if too small, wrap it with paper till it is the right size. Press the cap down gently until the charge contained in the cap comes in contact with the loose powder of the fuse end, then with the crimpers tighten the empty end of the cap, so that the fuse cannot be pulled out.

The principal precaution to be observed in crimping caps on the fuse is to be careful not to crimp the caps tight enough to cut off the powder train in the fuse, thus preventing the fire from reaching the cap and causing a failure of the blast.

If the place where the blasting is being done is wet, the filling of the cap must be protected, as if allowed to become damp it might cause the blast to hang fire or miss altogether. This trouble can be very simply prevented by smearing the outside junction of the fuse and cap—i. e., where the cap is crimped to the fuse as well as the hole in the cartridge where the fuse enters—with grease, tallow or some similar substance to keep out the dampness.

Now, having prepared the cap as just described, it is ready to be put into the cartridge. Take a pointed stick of wood about the size of a lead pencil and punch a hole in the side of the cartridge about an inch or two from one end, at an angle towards the other end. Insert the cap in this hole and tie the fuse the cap in this hole and ties the fuse tightly by means of a half hitch.

This prevents the tamping rod from coming in contact with the cap, and keeps the cap from pulling out.

Having prepared the cartridge for use in the manner described, insert it in the bore hole and push it firmly home, being sure it fully fills up the diameter of the hole, for crevices or air spaces greatly lessen the power of an explosive.

Be sure the tamping is done with a wooden rod. Never use a metal tamping rod or a rod having metal parts. An old broom handle makes an excellent tamping rod.

After the charge is pressed home as directed, put in two or three inches of fine dirt or sand, and tamp—pack—**lightly.** The tamping material should be packed as firmly on top of the charge as can consistently be done without disarranging the cap and fuse in the cartridge. Then fill up two inches more of the hole with tamping material, packing it in a little more firmly. After five inches of tamping covers the charge, the tamping may be rammed as hard as is possible with hand-power, without danger of premature explosion. It is not safe to tamp by a blow any stronger than can be given by hand.



DU PONT.

DuPont Red Cross Farm Powder—For use in subsoiling, tree planting and stump blasting on the denser soil, made only in 1¼x8 in. cartridges, ½ lb. .....per 100 lbs. **ACHJ $16.50**

DuPont Red Cross Stumping Powder—Intended for boulder blasting and stump blasting in sandy soil requiring a quicker and stronger explosive than farm powder, made only in 1¼x8 in. cartridges, ½ lb., per 100 lbs. .....**AEJJ $18.00**

Especially prepared for agricultural work. They are low explosives, cost less, will do all the work from stumps and boulders to deep plowing (sub-soiling) better than higher grades of explosives.

DuPont, Low Freezing Ammonia Grades, Red Cross Extra.

Strength, per cent..	20	30	40
Per 100 lbs. $16.50	18.00	19.50
	ACHJ	AEJJ	AFBJ
Strength, per cent	50	60
Per 100 lbs. $21.00	22.50
	AGDJ	AHFJ

Best dynamite for general use, does not freeze until water freezes, nor thaw until ice melts. Especially valuable for agricultural uses, such as stump and boulder blasting, tree planting, sub-soil blasting and road making. Very insensitive and should not be detonated with anything weaker than a No. 6 cap. Red Cross Extra 40 per cent strength is generally used, except for tree planting and sub-soiling. For these latter uses the 30 per cent grade is recommended. Packed in strong wooden boxes of 25 lbs. and 50 lbs. weight. Standard size cartridges are 1¼x8 in., weighing approximately ½ lb. although special sizes can be furnished if necessary.

DuPont Ammonia Grades, DuPont Extra, DuPont Giant Extra.

Strength, per cent..	30	40	60
Per 100 lbs. $18.00	19.50	22.50
	AEJJ	AFBJ	AHFJ

DuPont, Low Freezing Nitroglycerine—Straight—Grades, Red Cross Nitroglycerine.

Strength, per cent...	30	40	50	60
Per 100 lbs...$18.75	20.25	22.05	23.85
	AEFJ	AFHJ	AHJJ	AIBJ

DuPont Gelatin Grades, Gelatin Low Freezing, Forcite Gelatin, Repauno Gelatin, Giant Gelatin.

Strength, per cent..	40	50	60
Per 100 lbs.....$20.25	22.05	23.85
	AFHJ	AHJJ	AIBJ

DuPont, Nitroglycerine—Straight—Grades, Giant Nitroglycerine.

Strength, per cent ..	30	40	50	60
Per 100 lbs. . $18.75	20.25	22.05	23.85
	AEFJ	AFHJ	AHJJ	AIBJ

Packed in 25 and 50 lb. cases.



AETNA.

Aetna Farm Dynamite—Recommended for subsoiling, tree planting and ordinary blasting about the farm, made only in 1¼x8 in. cartridges, ½ lb., per 100 lbs. .....**ACHJ $16.50**

Also used for stump blasting, but in localities where the stumps are unusually large, we recommend Aetna stump powder. Not used for rock or boulder blasting; for this class of work we recommend 40 to 50 per cent standard low freezing grades.

Aetna Stump Powder—Recommended for blasting stumps, block holding boulders, etc., it has a heaving and shattering effect which is absolutely necessary in properly removing stumps, made only in 1¼x8 in. cartridges, ½ lb., per 100 lbs. **AEJJ $18.00**

Aetna Standard, Low Freezing Ammonia.

Strength, per cent ..	20	30	40
Per 100 lbs. $16.50	18.00	19.50
	ACHJ	AEJJ	AFBJ
Strength, per cent.....	50	60
Per 100 lbs. $21.00	22.50
	AGDJ	AHFJ

For use in cold weather, as well as in spring and fall when alternate freezing and thawing makes blasting with ordinary explosives somewhat uncertain. Most effective and convenient for blasting stumps, breaking boulders, digging wells, quarrying work, etc.

Does not require thawing when the temperature is 30 degree Fahrenheit or above.

Aetna Standard or Ammonia.

Strength, per cent ..	30	40	60
Per 100 lbs. $18.00	19.50	22.50
	AEJJ	AFBJ	AHFJ

Slower than either dynamite or gelatin; very useful for blasting clay, stumps and stone that is rather soft and seamy, where a pushing, lifting action rather than a shattering effect is desired.

Does not stand exposure to water as well as either gelatin or regular dynamite.

Aetna Gelatin.

Strength, per cent ..	40	50	60
Per 100 lbs. $20.25	22.05	23.85
	AFHJ	AHJJ	AIBJ

In gelatin dynamite, gun cotton is substituted for a portion of the nitroglycerine. Has many advantages in that it is practically water proof, is more dense and makes much less smoke and fumes. Used a good deal for underground mining. Preferred by quary men because it will get out rock better than other dynamite.

Aetna Nitroglycerine.

Strength, per cent ..	30	40	50	60
Per 100 lbs...$18.75	20.25	22.05	23.85
	AEFJ	AFHJ	AHJJ	AIBJ

Packed in 25 and 50 lb. cases.

Dynamite, Caps and Powder cannot be shipped with other goods; neither can they be sent by Express, but will be shipped direct from nearest magazine. Each must be shipped separately, except 100 only caps with each 100 feet of safety fuse may be sent up to 500 caps and 500 feet of safety fuse. No more than 500 caps may be shipped with any larger amount of safety fuse. Dynamite is packed in cases containing 25 or 50 lbs., net, in cartridges 1¼x8 in.

DYNAMITE BLASTING SUPPLIES.

DYNAMITE BLASTING CAPS.



DUPONT OR AETNA.

No. 5—Quintuple, 12.34 graines, .80 grammes, per 1000....Lowest Market Price
No. 6—Sextuple, 15.43 grains, 1.00 grammes, per 1000....Lowest Market Price
No. 7—Septuple, 23.15 grains, 1.50 grammes, per 1000....Lowest Market Price

Always store and carry caps separate from the dynamite. Caps cannot be shipped with dynamite.

PACKED 100 IN A BOX; 1,000 IN A CARTON; 20,000 IN A CASE.

BLASTING MACHINES.



Aetna "Lion."

F. O. B. Chicago, Xenia, St. Louis, Louisville, St. Paul.

No. 1—Capacity 8 to 10 holes, height of case 11 in., w't 18½ lbs., each .... **ABJJ** $15.00

This machine is chiefly used for shooting wells, prospecting and other blasting where but a few charges are to be fired simultaneously.

No. 3—Capacity 20 to 25 holes, height of case 13½ in., w't 22½ lbs., each .....**AHJJ** $22.00

The favorite of quarry men and railroad contractors.

No. 4—Capacity 30 to 50 holes, height of case 18 in., w't 45½ lbs., each ..... **CFJJ** $45.00

The best size for ordinary quarry work and railroad contractors' use, even if only twenty holes are to be fired at a shot, for the extra current compensates for leaks in the blast line which are sometimes unavoidable.

No. 5—Capacity 50 to 100 holes, height of case 20½ in., w't 66½ lbs., each ..... **EDJJ** $75.00

We believe that the No. 5 is as powerful as can be made and still be easily portable and sufficiently easy to drive to enable one man to get the full current out of it.

LEADING WIRE.



AETNA.

F. O. B. Chicago, Xenia, St. Louis, Louisville and St. Paul.

No. 16—No. 16 B. & S. gauge copper wire in coils of 500 ft., w't per coil 8½ lbs., per coil .....**CIJ** $6.50

Enough leading wire is needed with each machine to make two leaders of sufficient length to reach from the blast to a safe distance at which the person who operates the machine should stand. Five hundred feet is the quantity usually sold, which means a distance of 250 ft. from blast, but in some cases a greater length of leading wire is needed.

CONNECTING WIRE.



AETNA.

F. O. B. Chicago, Xenia, St. Louis, Louisville and St. Paul.

No. 22—No. 22 B. & S. gauge copper wire, 2 lb. spools, 600 ft. on a spool, per lb. .....**EE** $0.90

This is a pure copper wire perfectly insulated. It is used in connecting the electrical fuses to each other where several charges are to be fired simultaneously, the holes being far apart. A small quantity only of this will be needed if the fuse wires be picked up after each blast, as they can be twisted together and used in place of connecting wire.

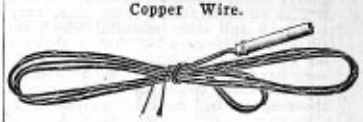
Safety of Electric Firing.

Electric firing is by far the safest method, because there is no waiting for the shot to go and no doubt about when it is going to explode. It enables the blaster to retire to an unexposed place in perfect safety and without undue haste, and eliminates all danger of accident because of miscalculation of the time it takes fuse to burn or because of defective fuse, which has frequently resulted in injury to men who have returned to examine a blast about the time it exploded.

Smoke from burning fuse is entirely avoided, an item of no little value in mine work.

ELECTRIC BLASTING EXPLODERS.

Copper Wire.



DUPONT OR AETNA.

No. 6—Double strength—single strength no longer made—heavily insulated, cotton covered exploders, w't of charge 15.43 grains or 1.00 grammes.

Length, ft. 4 6 8
Per 100.....Lowest Market Price
Length, ft. 10 12
Per 100.....Lowest Market Price

Electric fuses are the detonators used when dynamite is fired electrically. They consist of a copper capsule containing a detonating charge surrounding a fine platinum wire bridge, which joins the ends of two insulated copper wires. The ends of the copper wires are secured in the copper shell by a composition plug which renders it waterproof. The fuse is fired when a sufficient current is passed through the wires and across the platinum bridge to heat the latter to a temperature high enough to ignite the charge surrounding it.

BLASTING BY ELECTRICITY.

When a good deal of blasting is to be done, it is usual to set off the blasts by means of a battery and electric exploder —called an electric fuse. In this way any number of blasts from five or ten up to forty can be fired at once. This is found extremely convenient when it is necessary to get rid of a very large stump or extra large bowlder, as frequently several ordinary sized charges fired simultaneously will destroy an obstacle which would not be affected by the same charges fired successively or by one charge as large as all the smaller ones combined.

DYNAMITE CAPS OR POWDER CANNOT BE SHIPPED WITH OTHER GOODS, NEITHER CAN THEY BE SENT BY EXPRESS. EACH MUST BE SHIPPED SEPARATELY, EXCEPT 100 ONLY WITH EACH 100 FEET OF SAFETY FUSE MAY BE SENT UP TO 500 CAPS AND 500 FEET OF SAFETY FUSE. NO MORE THAN 500 CAPS MAY BE SHIPPED WITH ANY LARGER AMOUNT OF SAFETY FUSE.

★OWING TO CITY ORDINANCES, WE ARE UNABLE TO CARRY IN STOCK POWDER, DYNAMTE OR CAPS, SO THESE GOODS ARE NECESSARILY FOR SHIPMENT FROM FACTORY. WRITE FOR PRICES.

FISHING TACKLE & SPORTING GOODS

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FISHING TACKLE

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

FISHING RODS AND POLES.

BAMBOO POLES.



Japanese White Bamboo.

Nos.	412	414	416	418	420
Length	12	14	16	18	20 ft.
W't per 100..	55	85	120	160	200 lbs.
Per 100	$4.90	6.40	9.00	12.50	14.00
	BIE	CHE	EDJ	JGDE	JHDJ

NOS. 412 AND 414, ONE HUNDRED; BALANCE, FIFTY IN A BUNDLE.

WOOD BAIT RODS.



No. 1—3 piece ash, natural finish, single brass ferrules, length about 10 ft., in paper bag....per dozen **AEE** $2.60

TWO-PIECE BAMBOO BAIT RODS.



No. 81.

No. 81—2 piece, Japanese bamboo, double ferrules, wire tip, length 8 to 9 ft., in paper bag.....per dozen **AEJ** $2.50

No. 83—2 piece, Hottentot bamboo, double ferrules, ring tie guides, wire tip, length 8 to 9 ft., in paper bag, per dozen ..... **BCE** $3.90

No. 85—2 piece, Hottentot bamboo, double ferrules, ring tie guides, wire tip, reel bands, capped butt, length 8 to 9 ft., in paper bag..... **CCJ** $5.60

No. 84—2 piece, Calcutta bamboo, double ferrules, ring tie guides, spiral wire tips, reel band and reel seat, brass butt cap, length 8 to 9 ft., in paper bag, per dozen ..... **DAJ** $8.10



No. 86—2 piece, Japanese bamboo, nickel plated trimmings, solid metal reel seats, wire tie guides, two hole tip, shoulder ferrules, zylonite grip, length about 8 ft., in paper bag.....per dozen **JFCJ** $10.50

THREE-PIECE BAMBOO RODS.



No. 90—3 piece, Japanese bamboo, double brass ferrules, wire tie guides, wire tip, length 10 to 12 ft., in paper bag ..... per dozen **CCJ** $5.50

No. 104—3 piece, Japanese mottled bamboo, double brass ferrules, ring tie guides, wire tip, length 10 to 12 ft., in paper bag ..... **EDJ** $9.50



No. 91—3 piece, Japanese bamboo, double brass ferrules, reel bands, ring tie guides, wire tip, capped butt, length 10 to 12 ft., in paper bag.....per dozen **JGBJ** $12.00



No. 95 REVENOC—3 piece, Japanese mottled bamboo, brass trimmings, shoulder ferrules, wire tie guides, two hole tip, solid metal reel seat, zylonite grip, length about 10 ft., in paper bag ..... per dozen **JGBJ** $12.00

No. 96 REVENOC—Cork grip, nickel plated trimmings, otherwise same as No. 95 REVENOC.....per dozen **JHAJ** $13.50

FOUR-PIECE BAMBOO RODS.



No. 92—4 piece, Japanese bamboo, double brass ferrules, ring tie guides, wire tip, without butt cap, length 14 to 16 ft., in paper bag.....per dozen **JIAJ** $15.20

o. 111—4 piece, Calcutta bamboo, double brass ferrules, standing guide, reel bands, tube tip, capped butt, length 14 to 17 ft., in paper bag.....per dozen **ACEJ** $22.50



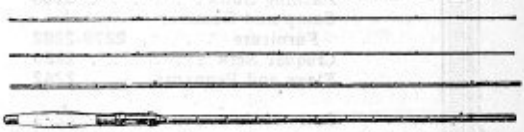
No. 97 REVENOC—4 piece, mottled bamboo, nickel plated trimmings, shoulder ferrules, wire tie guides, two hole tip, solid metal reel seat, zylonite grip, length about 12 ft., in paper bag .....per dozen **AEHJ** $26.30

REVENOC SPLIT BAMBOO BAIT RODS.



No. 150 REVENOC—3 piece, six strip split bamboo, **without** extra tip, nickel plated trimmings, solid metal reel seat, **cork** grip, shoulder ferrules, spiral wire guides, maroon and green silk wound, length 6, 8 and 9½ ft., per dozen .....**JHFE** $14.40

No. 160 REVENOC—With extra tip, lengths 6, 8 and 9½ ft., on wood form in cloth bag, otherwise the same as No. 150 REVENOC ..... per dozen **ABJJ** $20.00



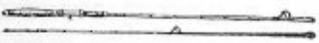
No. 166 REVENOC—3 piece and extra tip, selected six strip split bamboo, nickel plated trimmings, spiral ring guides, tube tip, solid metal reel seat, maroon and green silk wound, lengths 8 and 9½ ft., on cloth covered form in cloth bag ..... per dozen **BAFJ** $36.00



No. 168 REVENOC—3 piece, superior selected six strip split bamboo, with extra tip, nickel plated trimmings, solid metal reel seat, **cork** grip, welted shoulder ferrules, standing tie guides, tube tips, closely wound with green and red silk, length 8 ft., on cloth covered form in cloth bag.....per dozen **AHJJ** $30.00

CASTING RODS.

LANCEWOOD.



No. 62 REVENOC—2 piece, capped ash butt, lancewood tip, nickel plated trimmings, shoulder ferrules, reel bands, large wire guides, angle tip, length 5½ ft., in a partitioned cloth bag.....per dozen **JFIJ** $11.50

BAMBOO.



No. J16½ REVENOC—2 piece, plain bamboo, nickel plated trimmings, large spiral wire guides, stirrup top, solid metal reel seat, nickel plated, **zylonite** grip, double shoulder ferrules, finger hook, length 5½ ft., in a paper bag, per dozen ..... **JGGE** $12.90



No. J16¾ REVENOC—3 piece, Japanese bamboo, nickel plated trimmings, shoulder ferrules, large heavy spiral wire guides and tip, solid metal reel seat, **cork** grip, finger hook, length 5½ ft., in a paper bag,
per dozen .....**JHFE** $14.40

No. J17¾ REVENOC—3 piece, with large Kalamazoo guides and tip, length 5½ ft., in a paper bag, otherwise same as No. J16¾ REVENOC .....per dozen **JICJ** $15.50

SPLIT BAMBOO.



No. C21 REVENOC—2 piece, nickel plated reel seat, veneered **cork grip**, shoulder ferrules, two ring spiral guides, ring top, silk windings, length 5 ft., in cloth bag,
per dozen .....**JHFE** $14.40



No. 152 REVENOC—2 piece, nickel plated metal reel seat above **cork** grip, German silver casting guides, offset spiral casting tip, wound with red and black silk, in a cloth bag, length 5 ft. .....per dozen **AJHJ** $18.00

SPLIT BAMBOO.

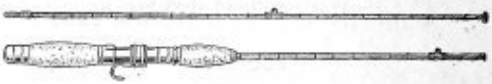


No. 153 REVENOC—3 piece, nickel plated metal reel seat, above **cork** grip, German silver casting guides, offset spiral casting tip, wound with red and black silk, in a cloth bag, length 5 ft. .....per dozen **AABE** $19.80

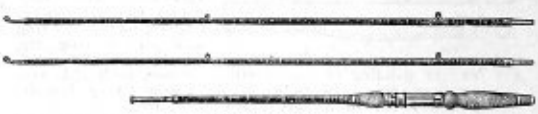
No. 154 REVENOC—3 piece, more closely wound with red and black silk, otherwise same as No. 153 REVENOC,
per dozen .....**ACGJ** $23.40



No. 133 REVENOC—3 piece and extra tip, six strip split bamboo, solid metal reel seat, 3½ in. **cork** grip, finger hook, large extra strong spiral wire casting guides and tips, cluster winding of red silk, welted shoulder ferrules, length 5¼ ft., in a partitioned cloth bag,
per dozen .....**BDHE** $41.40



No. H2 REVENOC—Special 2 piece split bamboo casting rod, nickel mounting, double grasp, large one piece casting guides and tip, welted ferrules, length 5 ft, closely wound with fancy silk.....per dozen **AFBJ** $27.00



DOWAGIAC.

No. D6—Jim Heddon's Favorite—Selected split bamboo tip, with extra tip, selected split bamboo butt joint, solid satin cork grip of special Heddon design and forward grip, extra heavy nickeled reel seat with hood at rear and Heddon locking reel band, first tip has agate, first guide and both tips have agate top, other guides fileproof metal, improved welded German silver ferrule and all metal handsomely ornamented, closely wound with silk windings in three colors, put up in partitioned canvas bag, furnished in 5 ft. length, per dozen .....**JGBJJ** $120.00

No. D10—Selected split bamboo with extra tip, solid satin cork grip of special Heddon design and forward grip, extra heavy German silver metal throughout and Heddon locking reel band, both tips equipped with agate tops and agate first guides, middle guides fileproof metal, all metal ornamented and rod wound at close intervals with silk windings in design of three colors, covered with four coat finest elastic waterproof varnish, put up in partitioned canvas bag and waterproof leatherette case, furnished in 5 ft. length per dozen .....**AAEBJ** $192.00

TRUNK AND FLY RODS.

SPLIT BAMBOO TRUNK.

Trunk rods are made so that when taken down they can be carried in trunk or suit case.



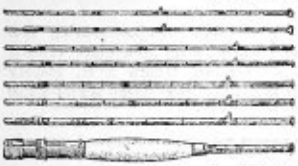
No. 180 REVONOC—4 piece, bait, six strip split bamboo, shoulder ferrules, solid metal reel seat **above** fancy polished cork handle, spiral wire guides, ring tip, nickel plated trimmings, red and black silk winding, length 7 ft., in a partitioned cloth bag, length in bag 23 in., per dozen .....**AAEJ** $21.60



No. 185 REVONOC—4 piece, fly, six strip split bamboo, shoulder ferrules, solid metal reel seat **below** fancy polished cork handle, ring tie guides, ring tip, nickel plated trimmings, red and black silk winding, length 7 ft., in a partitioned cloth bag, length in bag 23 in., per dozen .....**AAEJ** $21.60

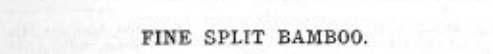
No. 187 REVONOC—4 piece and extra tip, fly, hexagonal split bamboo, nickel plated trimmings, shoulder ferrules, solid metal reel seat **below** cork grip, ring tie guides, single ring tip, very closely wound with red and black silk, length 7 ft., in a partitioned cloth bag, length in bag 22 in. .....per dozen **CBDJ** $54.00

POCKET.



No. V72 REVONOC—8 piece, six strip split bamboo, **13 in. joints**, nickel plated trimmings, welted ferrules, solid metal reel seat below cork grip, German silver snake guides, one 1 ring and one 3 ring tip, three ring tip fits in 5th joint making a 6 ft. rod, cluster winding of purple silk, trimmed with red, also extra winding between, making rod very strong, lengths 6 and 7 ft., in a partitioned cloth bag, per dozen .....**DCBJ** $72.00

FINE SPLIT BAMBOO.



No. 212AT REVONOC—Special 2 piece casting of selected clear stock, split bamboo, locking reel seat, double cork grip, welted ferrules, imported improved style agatine guides and tip, length 5 ft.....per dozen **BHHJ** $48.00

A special rod for a very particular trade and equal in appearance, style and workmanship to any $5.00 rod on the market today.

No. 211AT REVONOC—2 piece, solid cork grip, nickel plated metal reel seat above handle, **agate first guide and tip**, balance German silver guides, nickel plated finger hook, wound with green and black silk, in a cloth bag, length 5 ft. .....per dozen **CCIJ** $56.50

ONE IN A PARTITIONED CLOTH BAG.

SPLIT BAMBOO FLY.



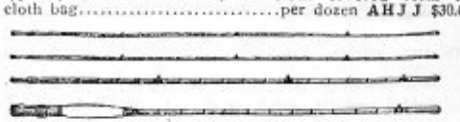
No. 165 REVONOC—3 piece, **extra tip**, six strip split bamboo, nickel plated trimmings, shoulder ferrules, solid metal reel seat **below cork grip**, ring tie guides, fly tip, red and green silk wound, length 9½ ft., w't about 6½ oz., on wood form in cloth bag.....per dozen **ABBE** $30.40

No. 155 REVONOC—Without extra tip, 3 piece, **six strip split** bamboo, nickel plated trimmings, shoulder ferrules, solid metal reel seat **below cork grip**, ring tie guides, fly tip, red and green silk wound, length 9½ ft., w't about 6½ oz., in cloth bag.....per dozen **JIFJ** $16.00

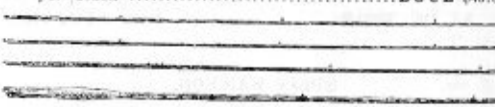


No. 167 REVONOC—3 piece and extra tip, six strip high grade split bamboo, **nickel plated** shoulder ferrules, solid metal reel seat **below cork grip**, snake guides, fly tips, closely wound with red and green silk, length 9½ ft., w't about 7½ oz., on wood form in cloth bag, per dozen .....**BAFJ** $36.00

No. 169 REVONOC—3 piece and extra tip, fine quality six strip split bamboo, nickel plated mountings, welted shoulder ferrules, either ring tie or snake guides, fly tips, solid metal reel seat below **cork grip**, very closely wound with red and green silk, cluster winding on butt, length 9½ ft., w't about 7 oz., on cloth covered form in cloth bag.....per dozen **AHJJ** $30.00



No. 569 REVONOC—3 piece and extra tip, **cane wound grip**, nickel plated metal reel seat below hand, improved ferrules, snake guides, nickel plated ring tip, wound with red, black and green silk, length 9½ ft., w't 6¼ oz., put up in a flannel covered form in a cloth bag, per dozen .....**BGCE** $46.80



No. 567 REVONOC—3 piece and extra tip, nickel plated metal reel seat below **cork grip**, snake guides, nickel plated ring tip, closely wound with maroon and yellow silk, length 7½ ft., w't per doz., 3¾ lbs., put up on a flannel covered form and in a cloth bag..per dozen **BHHJ** $48.00

The above rod for light snappy work.

No. 2327 REVONOC—3 piece special selected clear split bamboo, with extra tip, locking reel seat below cork grip, very fancy, whipped in crimson and grass green silk, welted waterproof ferrules, snake guides, length 9, 9½ and 10 ft. .....per dozen **DCBJ** $72.00



No. 568 REVONOC—"LIGHT WEIGHT" 3 piece and extra tip, **cork grip**, cedar reel seat with nickel plated trimmings below hand, snake guides, nickel plated ring tip, improved ferrules, wound with black and red silk, length 8½ ft., w't about 5¾ oz., put up on a flannel covered and 10 ft. .....per dozen **DCBJ** $72.00

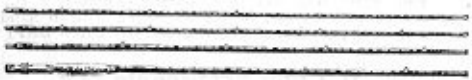
BAMBOO AND STEEL FISHING RODS.

SPLIT BAMBOO FLY.



No. 210 REVERSIBLE—3 piece and extra tip, China cane, six strip split bamboo, **inlaid,** showing cedar above grip, swelled butt, welted shoulder ferrules, German silver snake guides, fly tips, solid metal reel seat below cork grip, very closely wound with red and black silk, length 10 ft., w't about 6½ oz., on flannel covered form with **leather** cups and straps in a canvass bag.
per dozen.....**EJDJ** $72.00

A very handsome fly rod, especially strong and well made.



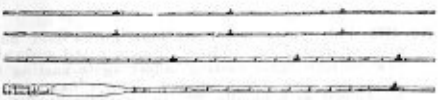
No. 283 REVERSIBLE—3 piece and extra tip, nickel plated metal reel seat below **cork grip,** swelled butt, snake guides, nickel plated ring tip, very closely wound with red and black silk, length 9½ ft., w't about 6 oz., put up on a plush covered wood form, in a cloth bag.
per dozen .....**JFDHJ** $108.00



No. 565 REVERSIBLE—3 piece and extra tip, **cork grip,** nickel plated brass reel seat below hand, highly nickel plated, improved ferrules, snake guides, nickel plated ring tip, wound with maroon and yellow silk, length 10 ft., w't about 8 oz., put up on a green plush covered wood form in a cloth bag.....per dozen **JIGBJ** $144.00

A machine and hand made rod of beautiful design and great strength.

SPECIAL COLORADO FLY.



No. 293 REVERSIBLE—3 piece and extra tip, best Calcutta cane, six strip split bamboo, **hand made,** full **German silver** trimmings, welted shoulder ferrules, snake guides, fly tips, solid metal reel seat below grip, special 10 in. **solid cork balanced** grip, which makes rod evenly balanced, a feature found in no other rod, closely wound with old gold and black silk, length 9½ ft., w't 6 oz., on **velvet** covered form with **leather** cups and straps in a canvas bag.....per dozen **ABIFJ** $216.00

IL-A-NOY BAIT.



Three Year Guarantee Accompanies Each "Il-a-noy" Steel Rod.

No. 975—Three piece and butt, enameled brown, nickel plated trimmings, specially selected cork grip, solid metal nickel plated reel seat above hand, two ring German silver guides, three ring offset German silver tip, w't 7½ to 8½ oz., lengths 6½, 8½ and 10 ft., in red partitioned cloth bag.....per dozen **BCGE** $39.00

This rod has reversible grip—can be used as a fly rod by reversing handle.

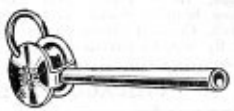
IL-A-NOY CASTING.



No. 978.

No. 977 —Three piece and butt, enameled brown, nickel plated trimmings, specially selected cork grip, solid nickel plated metal reel seat above hand, large special Kalamazoo German silver casting guides and offset tip, finger hook, w't 7 to 7½ oz., length 5 ft., in red partitioned clotn bag.....per dozen **BFFE** $44.40

No. 976¼—Three piece and butt, enameled brown, nickel plated mouptings, specially selected cork grip, solid nickel plated metal reel seat above hand, large special Kalamazoo German silver casting guides and **large offset agate tip,** finger hook, w't 7 to 7½ oz., length 5 ft., in red partitioned cloth bag, per dozen.....**CJBE** $50.40



With K & K Frictionless Tip.

No. 2976¾—Fitted with a K & K Frictionless Tip, otherwise same as No. 976¼.....per dozen **CJBE** $50.40

The small wheel at the end of this tip makes a line last about four times as long as with the best agate tip.

No. 976¾—Three piece and butt, enameled brown, nickel plated trimmings, specially selected cork grip, solid nickel plated metal reel seat above hand, **large agate first guide and tip,** finger hook, balance large special German silver casting guides, w't 6½ to 7 oz., length 5 ft., in red partitioned cloth bag, per dozen **CECJ** $58.80

No. 978 —Three piece and butt, enameled brown, nickel plated trimmings, nickel plated finger hook, cork grip, reel seat above hand **large special German silver mounted agate casting guides and offset agate tip,** w't 7 to 7½ oz., length 5 ft., in red partitioned cloth bag, per dozen .....**DECE** $75.60

IL-A-NOY FLY.

No. 983—Three piece and butt, enameled brown, nickel plated mountings, special cork grip, solid nickel plated metal reel seat below hand, German silver snake guides, one ring tip, w't 7½ to 8 oz., length 9 ft., in red partitioned cloth bag....per dozen **BCGE** $39.60

This rod has a reversible grip. Can be used as a bait rod by reversing handle.

FISHING RODS.

CRUSO BAIT.





(Guaranteed.)

No. 675—CRUSO, three joints and butt, cork grip, reel seat above handle, nickel plated fittings, enameled in dead black, German silver two-ring standing guides, German silver three-ring top, lengths 5, 5½, 6, 6½, 7½, 8½ and 10 ft., in partitioned cloth bag....per dozen **ADD J** $24.00

CRUSO NEW MODEL "KALAMAZOO" CASTING.



No. 677 —**Cruso,** three joints and butt, cork grip, reel seat above handle, nickel plated fittings, nickel plated finger hook, enameled dead black, large size German silver special casting guides, special shaped large size German silver three-ring top, lengths 4½, 5, 5½ and 6 ft., in partitioned cloth bag, per dozen **AFHJ** $28.00

No. 676½—Cruso, special pattern large size German silver special casting guides, special pattern large size German silver mounted **agate top,** otherwise same as No. 677.....per dozen **BJGJ** $43.20

No. 676¾—Cruso, large German silver **agate first guide and top,** otherwise same as No. 677, per dozen .....**BEBJ** $52.80

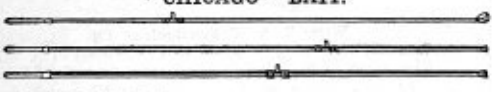
No. 678 —**Cruso,** special pattern large size German silver mounted **agate guides throughout,** agate top, otherwise same as No. 677.....per dozen **CGJJ** $68.00

No. 1678 —**Cruso,** double cork grips, otherwise same as No. 678.....per dozen **DCBJ** $72.00

CRUSO FLY.

No. 683—Cruso, three joints and butt, **cork** grip, reel seat below handle, nickel plated fittings, enameled in dead black, German silver snake guides, German silver one-ring fly top, in partitioned cloth bag, lengths 9 and 10 ft.....per dozen **ADDJ** $25.60

"CHICAGO" BAIT.





No. 1595—3 piece and butt, enameled black nickel trimmings, German silver standing ring guides, three ring tip, solid metal reel seat above **cork grip,** lengths 5, 6 and 8 ft. only, in partitioned cloth bag, w't 8 oz., per dozen.....**JHFE** $14.40

"CHICAGO" CASTING.

No. 1597—3 piece and butt, enameled black, nickel plated trimmings, cork grip, reel seat above handle, special casting guides, ring tip, in cloth bag, lengths 4½ and 5½ ft., w't 6 oz.....per dozen **ABBE** $20.40

No. 1596¾—Agatine first guide and tip, lengths 4½ and 5 ft., otherwise same as No. 1597 .....per dozen **BAFJ** $36.00

No. 1598—Trimmed throughout with agatine guides, lengths 4½ and 5 ft., otherwise same as No. 1597, per dozen .....**BHHJ** $48.00

"CHICAGO" FLY.

No. 1593—3 piece and butt, enameled black, nickel plated trimmings, German silver snake guides, one ring fly tip, solid metal reel seat below **cork grip,** length 9 ft. only, in a partitioned cloth bag, w't 8 oz., per dozen .....**JHFE** $14.40

BRISTOL TELESCOPIC FLY.



CLOSED.

No. 181—Steel, handle mountings nickel plated, solid reel seat below hand, line runs through center of rod, celluloid grip, w't 10 oz., length telescoped 37 in., extended 10 ft., in a cloth bag.....per dozen **CFJE** $60.08

IL-A-NOY TELESCOPIC BAIT.



No. 1975 —Four joints and butt, detachable cork grip, reversible grasp, enameled in "Indian" brown, German silver two-ring standing guides, German silver three-ring offset top, reel lock, length extended 8 ft., telescoped with handle, 36 in., telescoped without handle, 26 in., w't per doz. 5½ lbs.....per dozen **BAFJ** $36.00

IL-A-NOY TELESCOPIC FLY.

No. 1983 —Four joints and butt, detachable cork grip, reversible grasp, enameled in "Indian" brown, German silver snake guides, German silver one-ring fly top, reel lock, length extended 9 ft., telescoped with handle 39 in., without handle, 29 in., w't per doz. 4½ lbs., per dozen.....**BAFJ** $36.00

IL-A-NOY TELESCOPIC CASTING.

No. 1976½—Four joints and butt, cork grip, enameled in "Indian" brown, fitted with new pattern offset agate casting top, German silver casting guide, reel lock, length extended 5½ ft., telescoped with handle, 28½ in., without handle, 18½ in., w't per doz. 4½ lbs., per dozen.....**CIFJ** $66.00

No. 1976¾—Four joints and butt, cork grip, enameled in "Indian" brown, fitted with new pattern agate casting guide on butt joint and offset agate casting top, German silver casting guides intermediate, reel lock, length extended 5½ ft., telescoped with handle, 28½ in., without handle 18½ in., w't per doz. 4½ lbs., per dozen .....**DECE** $75.60

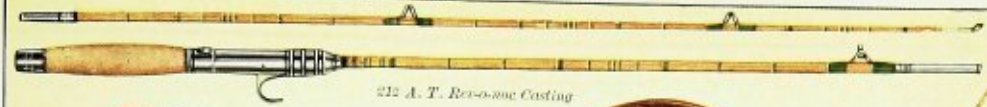


No. 1978—Full agate mounted, four joints and butt, cork grip, enameled in "Indian" brown, fitted with all guides new pattern agate casting, offset agate casting top, reel lock, no finer value offered, length extended 5½ ft., telescoped with handle 28½ in., without handle, 18½ in., w't per doz. 4½ lbs.....per dozen **EFAE** $93.60

No. 1977—Plain, four joints and butt, cork grip, enameled in "Indian" brown, all guides new pattern German silver casting, offset German silver casting ring top, reel lock, length extended 5½ ft., telescoped with handle 28½ in., without handle 18½ in., w't per doz. 4½ lbs.....per dozen **CBDJ** $52.00

These rods are made of high grade Sheffield crucible steel. Fully guaranteed—each rod having a guarantee tag attached.

ONE IN A PARTITIONED CLOTH BAG.



212 A. T. Rev-o-noc Casting



1930 Rev-o-noc Bass Line





995



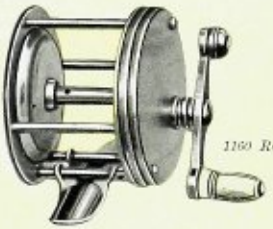
Rev-o-noc Bass Fly



6790 Rev-o-noc



7000 O V E Minnow



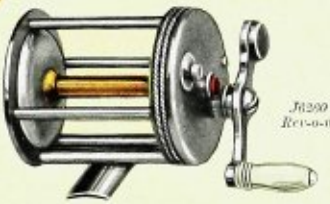
1160 Rev-o-noc



2940 Rev-o-noc Spoon



Rev-o-noc Weedless Bass Fly



3030 Rev-o-noc



210 Rev-o-noc Fly Rod



112 Rev-o-noc Bass



978 Il-a-noy Steel Casting



293 Rev-o-noc Fly Rod

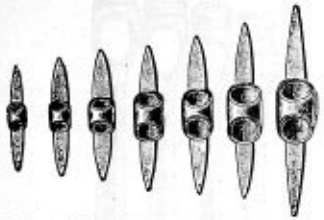
678 Cruso Steel Casting

Fishing Rods, Pages 2101 to 2106. Fishing Lines, Pages 2135 to 2138. Reels, Pages 2110 to 2114. Minnows, Pages 2128 to 2131
Spoons, Page 2126. Flies, Page 2121.

ROD MOUNTINGS.

Full Size Cuts.

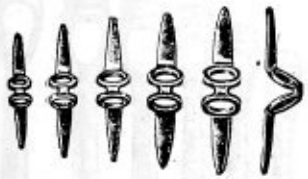
TIE GUIDES.



3-0 2-0 1-0 1 2 3 4

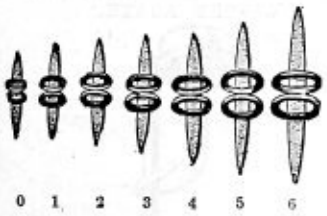
No. 80—Brass, sizes 3-0 to 4, per dozen★ .....AJ $0.16

No. 85—Nickel plated, sizes 3-0 to 4, per dozen★ .....AC $0.22



0 1 2 3 4

No. 92—German silver, solderless, two rings, sizes 0 to 4, per dozen★ .....AJ $0.16



0 1 2 3 4 5 6

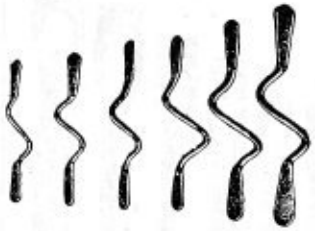
No. 93—German silver, two rings, sizes 0 to 6★ .....per dozen BC $1.28



1 2 3 4 5

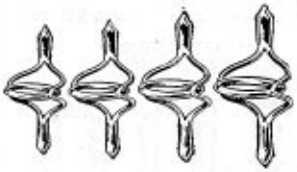
No. 90—Nickel plated, spiral wire, sizes 1 to 5★ .....per dozen JF $0.10

TIE GUIDES.



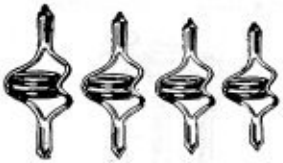
1 2 3 4 5 6

No. 91—German silver, snake, sizes 1 to 6★ .....per dozen AA $0.14



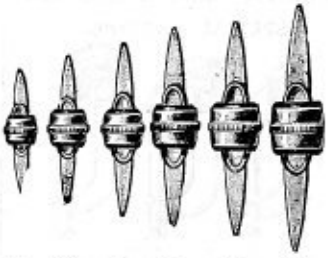
0 1 2 3

No. 96—German silver,, casting, sizes 0 to 4★ .....per dozen JGJ $1.64



0 1 2 3

No. 126—Imitation agate, casting, sizes 0 to 3★ .....per dozen CFJ $6.00

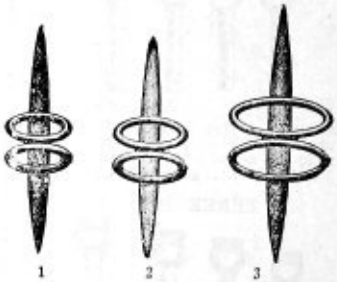


1 2 3 4 5 6

No. 110—German silver, agate, sizes 1 to 6★ .....per dozen EHE $9.74

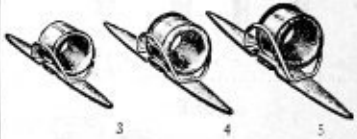
★*FOR FACTORY SHIPMENT ONLY.*

CASTING GUIDES.



1 2 3

No. 130—German silver, large double ring, sizes 1 to 3★ per dozen EJ $0.56



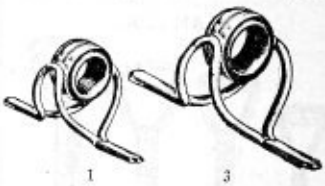
3 4 5

No. 160—Adamant, mounted in German silver, rigidly held by band that runs in groove around the guide, sizes, 3, 4 and 5 per dozen★ .....BFE $5.00



1 2 3

No. 116—Narrow agate casting guides, German silver trimmings, sizes 1, 2 and 3★.....per dozen JEHE $10.80



1 3

No. 150—German silver, agate casting, sizes 1, 2, 3 and 6, per dozen★ .....JHDJ $10.00

RINGS AND KEEPERS.



1 2 3 4

No. 120—White metal, sizes 1 to 4, per dozen★.....JE $0.0?

ROD TIPS.

RING.



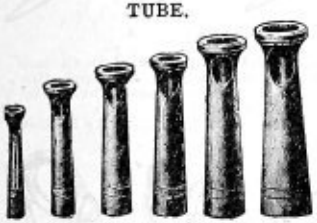
No. 10—Brass ring, sizes 1/0, 1, 2 and 3, per gross★ .....AHJ $3.00
No. 20—Nickel plated ring, sizes 1/0, 1, 2 and 3★ ..... per gross BAJ $3.50

THREE RING.



No. 40—German silver, sizes 1/0, 1, 2 and 3★ .....per dozen CF $0.50

TUBE.



No. 30—Polished brass, sizes 4/0, 3/0, 2/0, 1/0, 1, 2, 3, 4, 5, 6, 7 and 8, per dozen★ .....BG $0.40
No. 35—Nickel plated, sizes 4/0, 3/0, 2/0, 1/0, 1, 2, 3, 4, 5, 6, 7 and 8, per dozen★ .....CE $0.50

KALAMAZOO.



No. 135—Kalamazoo casting, German silver, sizes 2, 4, 6 and 8, per dozen ★ .....FJ $0.90

EMERGENCY TIPS.



No. 505—2½ in., for use with steel rods in case of accident to regular tip joint, can be carried in vest pocket, per dozen .....JIJ $1.50

DOUBLE HOLE.



No. 36—Nickel plated, sizes 4/0, 3/0, 2/0, 1/0, 1, 2, 3, 4, and 5, per dozen★ .....ABE $2.70

DEFIANCE.



No. 33—German silver, sizes 1 to 6, per dozen★ .....BDJ $3.60



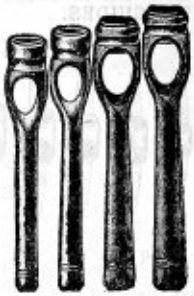
No. 50—Adamant, three ring, German silver, top ring enclosing a hard composition, sizes 1, 2 and 3, per dozen★ .....BDJ $4.40

SPECIAL CASTING.



No. 67—Adamant, mounted in German silver, rigidly held by band that runs in groove around the guide, sizes 2, 3 and 4★ .....per dozen CFJ $6.00
★*FOR FACTORY SHIPMENT ONLY.*

DOUBLE HOLE.



No. 55—Adamant, double hole, German silver, top ring, enclosing a hard composition, sizes 1, 1/0, 2/0 and 3/0, per dozen★ .....CFJ $6.00

SOLID AGATE.



No. 60—German silver, sizes 4/0, 3/0, 2/0, 1/0, 1, 2, 3, 4, 5, 6 and 7, per dozen★ .....JGBJ $12.00

OFFSET AGATE.



No. 66—Offset agate, sizes 5/0, 4/0, 3/0, 2/0, 1/0, 1 and 2, per dozen ★.....JGJJ $19.00

K. & K. FRICTIONLESS TIPS.



No. 34—K. & K. Frictionless, German silver throughout, absolutely non-rustable wheel, per dozen DHJ $7.80
This small, well fitted wheel at the end of the tip revolves with but the slightest movement of the line making the latter last about four times as long as with the best agate tip.

ROD AND REEL SUNDRIES.

ROD SHORTENERS.



No. 53—2 in. brass, nickel plated, will fit any handle and receive second joint of rod, thus shortening the rod.....per dozen **AHJ** $3.00

TWO DOZEN IN A BOX.

FINGER HOOKS.



No. 25—Nickel plated with band, will fit any Bristol rod, complete, per dozen.....**JFEJ** $10.80

Hooks, only....per dozen★ **EDJ** $9.00

REEL HOLDERS.



No. 11G—Brower's length 6½ in., nickel plated, can be attached to any Calcutta or Japanese bamboo pole, will fit any reel, w't per doz. 1⅛ lbs.....per dozen **BJJ** $3.30

ONE DOZEN IN A BOX.

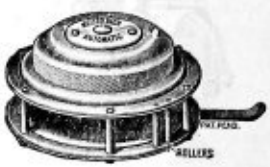
FISH ROD DISPLAY STANDS.



No 4-G—Ideal, 28 in. high, 12 in. wide, holds 24 rods, woodwork of golden oak, highly finished, all metal parts of polished brass, rubber bumpers on bottom, will not mar show cases, leather holders for rods, will not damage rods, w't 6⅝ lbs., each .....**JFJJ** $10.00

★*FOR FACTORY SHIPMENT ONLY.*

AUTOMATIC REELS.



"Meisselbach."

No. 81—100 yds., 3 in. spool, ¼ in. diameter, aluminum frame, spring of finest tempered steel, all working parts of hard brass and tempered steel, working in German silver bearings, fully guaranteed, w't 11 oz., per dozen .....**CFJJ** $60.00

This reel has an exclusive feature in a Safety Winding Spring which allows the spring to be wound up at any time when line is in or out, by turning the milled spring box, without any danger of over-winding. Main shaft is of carbon steel, substantial in size and runs in German silver bearings.

Spring is of the finest tempered steel. All working parts are enclosed.

Spool has friction release which allows stripping of spool under all conditions, and is fitted with a safety release which allows the spool to be run in at any speed without danger of injuring the mechanism.

The line is guided by two revolving rollers, which prevent it from being injured and worn, as in the case of all other reels.

ONE IN A BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

SINGLE ACTION FISHING REELS.

REV-O-NOC



Brass, No Click.

No. 225 REV-O-NOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1 lb. 6 oz. ..... per dozen **ADE** $2.40

No. 240 REV-O-NOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1 lb. 11 oz. ....per dozen **AHJ** $3.00

No. 260 REV-O-NOC—60 yds., 1⅛ in. pillar, 1¼ in. in diameter, w't per doz. 1⅜ lbs. .....per dozen **BAE** $3.60

Brass, with Click.

No. 325 REV-O-NOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1½ lbs. .....per dozen **BAE** $3.60

No. 340 REV-O-NOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1⅞ lbs. .....per dozen **BCE** $3.90

No. 360 REV-O-NOC—60 yds., 1⅛ in pillar, 1¾ in. in diameter, wt' per doz. 1⅞ lbs. .....per dozen **BIJ** $4.80

Nickel Plated, with Click.

No. 625 REV-O-NOC—25 yds., 1 in. pillar, 1½ in. in diameter, w't per doz. 1½ lbs. .....per doezn **BEJ** $4.20

No. 640 REV-O-NOC—40 yds., 1 1/16 in. pillar, 1½ in. in diameter, w't per doz. 1⅞ lbs. .....per dozen **BIJ** $4.80

No. 660 REV-O-NOC—60 yds., 1⅛ in. pillar, 1¾ in. in diameter, w't per doz. 1⅞ lbs. .....per dozen **CJE** $5.10

No. 680 REV-O-NOC—80 yds., otherwise same as No. 660 REV-O-NOC,
per dozen ..... **CEJ** $5.80

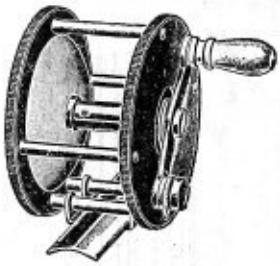
ONE-HALF DOZEN IN A BOX.



No. 040 REV-O-NOC—40 yds., 1 in. pillar, 1½ in. in diameter, flush balanced handle, raised pillar, with back sliding click, w't per doz. 1¼ lbs.,
per dozen ..... **EDJ** $9.00

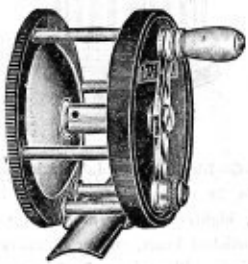
ONE IN A BOX.

REV-O-NOC



No. 5060 REV-O-NOC—60 yds., otherwise same as No. 5060 REV-O-NOC,
per dozen .....**AJBJ** $17.00

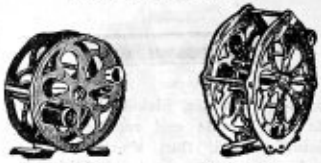
ONE IN A BOX.



No. 440 REV-O-NOC—Hard rubber, fancy rubber edges, light weight, single action trout reel, 40 yds., 1 in. pillar, 2¼ in. rubber discs, balanced handle, click on back disc, w't per doz. boxed, 3 lbs.,
per dozen .....**ABJJ** $30.00

No. 460 REV-O-NOC—60 yds., otherwise same as No. 440 REV-O-NOC,
per dozen ..... **ACBJ** $22.00

FEATHERLIGHT.



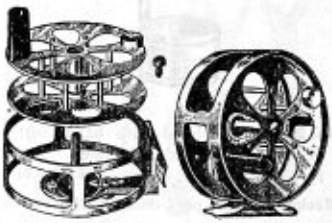
No. 3240. No. 3280.

No. 3240—Featherlight, 60 yds., spool 2¼x¾ in., frame and reel seat of one piece, removable spool, back sliding double pointed click and steel spindle, nickel plated, w't 3 oz., per dozen.....**JIFJ** $16.00

No. 3280—Featherlight, 80 yds., spool 2¼x1 in., w't 4½ oz., otherwise same as No. 3240...per dozen **AGCJ** $28.80

ONE IN A BOX.

EXPERT.



No. 3419—Expert, 60 yds., spool 2¼x¾ in., w't 4½ oz.,
per dozen.....**AGCJ** $28.40

No. 3417—Expert, 100 yds., spool 3x1 in., w't 6½ oz.,
per dozen.....**BAFJ** $36.00

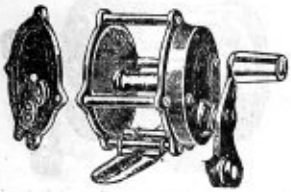
ONE IN A BOX.

H.S.B & CO.
REV-O-NOC

We Always Stand Behind the Brand

FISHING REELS.

DOUBLE MULTIPLYING.



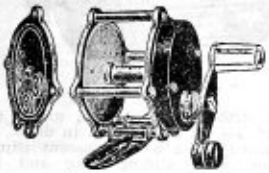
Nickel Plated.

No. 4840—40 yds., 1 in. pillar, 1¾ in. in diameter, nickel plated, balanced white handle, raised pillar, with back sliding click and drag, screwed plates, w't 4 oz.,
per dozen .....**JFAJ** $10.20

No. 4860—60 yds., 1 1/16 in. pillar, 2 in. in diameter, w't 4½ oz., otherwise same as No. 4840,
per dozen .....**JFGJ** $11.20

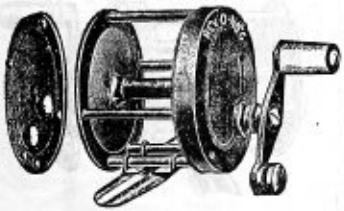
No. 4880—80 yds 1¼ in. pillar, 2¼ in. in diameter, w't 5 oz., otherwise same as No. 4840,
per dozen ..... **JGEJ** $12.50

ONE IN A BOX.



No. 4960 REVONOC—60 yds., 1⅝ in. pillar, 1⅞ in. in diameter, nickel plated, raised pillar, white balanced handle, screwed plates, rubber cap, with patent adjustable back sliding drag, and back sliding click, w't 3 oz.,
per dozen .....**JGEJ** $12.50

ONE IN A BOX.

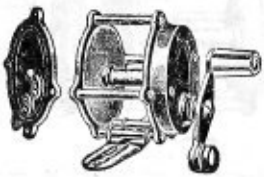


No. 1160 REVONOC—60 yds., 1½ in. pillar, 2¾ in. diam., nickel plated, round disc, with balanced handle, back sliding click and drag, w't 3½ oz. .....per dozen **JFHJ** $11.30

No. 1180 REVONOC—80 yds., otherwise same as No. 1160 REVONOC,
per dozen ..... **JGEJ** $12.50

ONE IN A BOX.

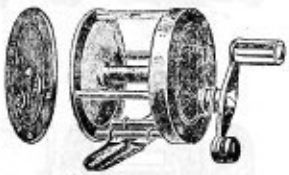
DOUBLE MULTIPLYING.



No. J5840 REVONOC—Jeweled cap, 40 yds., 1½ in. pillar, 1⅝ in. in diameter, nickel plated, milled edges and engraved, white bone balanced handle, raised pillar, click and drag, w't 3 oz. ....per dozen **JIJJ** $16.50

No. J5860 REVONOC—60 yds., jeweled cap, otherwise same as No. J5840 REVONOC,
per dozen .....**AJHJ** $18.00

ONE IN A BOX.



No. 1260 REVONOC—60 yds., 1½ in. pillar, 2¼ in. in diameter, double multiplying, nickel plated, round disc, white balanced handle, screwed plates, with brass bushed bearings, back sliding click and drag, w't 3½ oz., fine steel pivots,
per dozen .....**JGFJ** $12.70

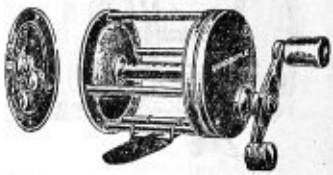
No. J1260 REVONOC—60 yds., jeweled cap, 1½ in. pillar, 2¼ in. in diameter, w't 3½ iz., otherwise same as No. 1260, REVONOC .....per dozen **AABJ** $18.70

No. 1280 REVONOC—80 yds., 1½ in. pillar, 2¼ in. in diameter, w't 4 oz., otherwise same as No. 1260 REVONOC,
per dozen.....**JIJJ** $15.00

No. J1280 REVONOC—80 yds., jeweled cap, 1½ in. pillar, 2¼ in. in diameter, w't 4 oz., otherwise same as No. 1260 REVONOC .....per dozen **ABFJ** $21.00

ONE IN A BOX.

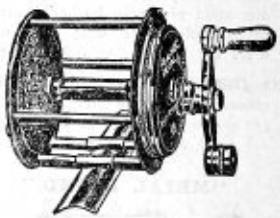
QUADRUPLE MULTIPLYING.



No. 1960 REVONOC—60 yds., 1⅝ in. pillar, 2 in. in diameter, wide pattern, nickel plated, balanced handle, screwed plates with fine brass pivots in bronze bushed bearings, patent adjustable back sliding drag and click, w't 6 oz. ....per dozen **ABBE** $20.40

No. 1980 REVONOC—80 yds., 1⅝ in. pillar, 2¼ in. in diameter, w't 6¼ oz., otherwise same as No. 1960 REVONOC,
per dozen ..... **ACIJ** $23.20

ONE IN A BOX.

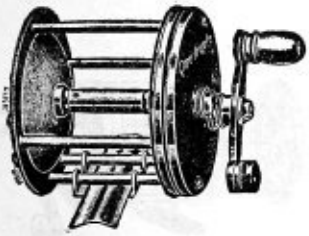


No. 980 REVONOC—Matchless casting reel, quadruple multiplying, 80 yds., 1¾ in. pillar, 2¼ in. discs, highly nickel plated and polished, balanced handle, click and drag on back disc, w't per doz. boxed 4½ lbs.,
per dozen ..... **AGCJ** $28.80

ONE IN A BOX.

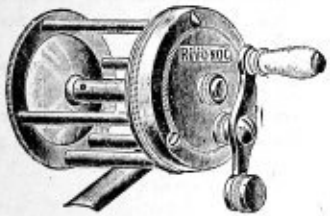
REVONOC FISHING REELS

QUADRUPLE MULTIPLYING.



No. 88 REVONOC—80 yds., long pillar, 2¼ in. in diameter, 1⅜ in. nickel plated steel pinion, adjustable click and drag, balanced white celluloid handle, w't 7 oz.,
per dozen ..... **ADGE** $24.60

No. J88 REVONOC—80 yds., jeweled cap, otherwise same as No. 88 REVONOC,
per dozen ..... **AFGJ** $27.80
ONE IN A BOX.



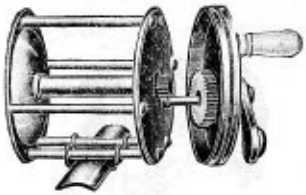
No. 2880 REVONOC—80 yds., 1⅜ in. pillar, 2 in. in diam., round plate, nickel plated, white bone balanced handle, steel pivots in bushed bearings, patent adjustable drag and click, w't 7 oz. ....per dozen **AHJJ** $30.00

No. J2880 REVONOC—Jeweled bearings, otherwise same as No. 2880 REVONOC,
per dozen ..... **BBCJ** $37.20
ONE IN A BOX.

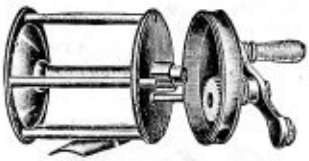
"METAL BOUND."



No. 1860 REVONOC—60 yds., 1⅜ in. pillar, 2 in. diam., quadruple multiplying, rubber discs, metal bound, adjustable back and sliding click and drag, balanced white bone handle, w't 6 oz. ....per dozen **BEIJ** $43.20
ONE IN A BOX.



The above cut shows the ordinary reel construction with the axle turning in a hole through the soft side plate. Below is our special construction on Nos. 8260, 6260 and 6160, with the axle turning in steel jacket and the strain removed by the bearing at extreme end of axle outside of gear.



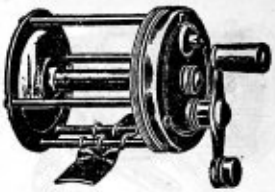
"DERBY."



No. 8060 REVONOC—60 yds., 1⅜ in. pillar, 2 in. disc, raised pillar, hand polished German silver finish, balanced handle, w't 7½ oz.,
per dozen ..... **BGCE** $45.60
ONE IN A BOX.



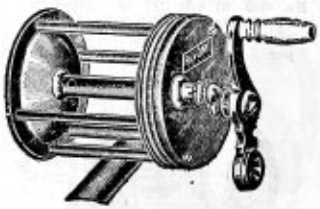
No. J8160 REVONOC—Jeweled, 60 yds., 1⅜ in. pillar, 2 in. disc, front and back fancy oil cups, front sliding click and drag, balanced crank, celluloid ivory handle, per dozen **CIFJ** $66.00
ONE IN A BOX.



No. 8260 REVONOC—60 yds., nickel plated, quadruple multiplying, 1⅜ in. pillar, 2 in. in diam., balanced white handle, brass pivots, patent adjustable front sliding drag and back sliding click, w't 7 oz.,
per dozen ..... **BAFJ** $36.00

No. J8260 REVONOC—Jeweled bearings, otherwise same as No. 8260 REVONOC,
per dozen ..... **BGCE** $45.60
ONE IN A BOX.

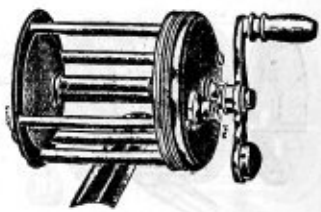
CASTING.



No. 6260 REVONOC—60 yds., nickel plated, 1⅜ in. pillar, 2 in. in diam., balanced white handle, patent adjustable front sliding drag and back sliding click, w't 7½ oz.,
per dozen ..... **BHHJ** $48.00

No. J6260 REVONOC—Jeweled bearings, otherwise same as No. 6260 REVONOC,
per dozen ..... **CFJJ** $60.00
ONE IN A BOX.

"PROFESSIONAL."

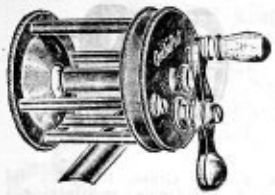


No. 6160 REVONOC—60 yds., nickel plated, quadruple multiplying, satin finish, long pillar, 1⅜ in., 2 in. in diam., steel pivots, steel axle, pinion cover, steel pinion, adjustable click and drag, balanced fancy white handle, w't 8 oz...per doz. **CCFJ** $56.00

No. J6160 REVONOC—Jeweled bearings, otherwise same as No. 6160 REVONOC,
per dozen ..... **DCBJ** $72.00
ONE IN A BOX.

REVONOC AND SPECIAL CASTING REELS.

"QUICK-A-PART."

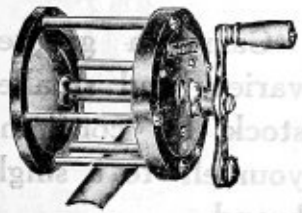


No. 2580 REVONOC—80 yds., nickel plated, quadruple multiplying, 1¼ in. pillar, 2¼ in. in diam., back sliding adjustable click, front sliding adjustable drag, steel pivots, pinions and click ratchets, balanced handle, "take-apart," w't 7 oz., per per dozen ..... CFJJ $60.00

This reel can be easily taken apart without the use of any tools.

ONE IN A BOX.

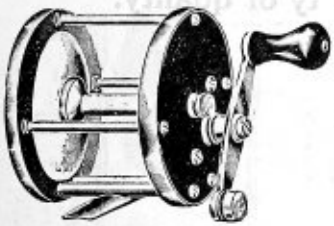
"GREEN LAKE."



No. 1680 REVONOC—Green Lake Casting reel, quadruple muttiplying, 80 yds., 2¼ in. hard rubber disc, bound and reinforced with metal, click and drag on back disc, balanced handle, 1¾ in. pillar, w't per doz. boxed 6 lbs., per dozen ..... CFJJ $60.00

ONE IN A BOX.

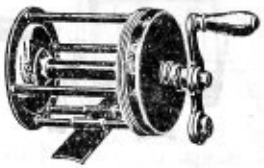
"SALT WATER."



No. 6100 REVONOC—Rubber, surf-casting, 300 yds., 2¼ in. pillar, 3 in. in diam., reverse metal bound, nickel plated metal parts, double multiplying, adjustable back-sliding click and drag, bridged front plate, coffee grinder handle, Kentucky pattern cross plate, steel cog post, click spring, tongue and ratchet, w't 16 oz., dozen ..... CFJJ $60.00

ONE IN A BOX.

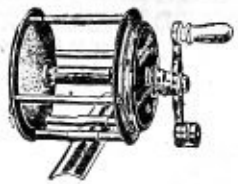
"SPECIAL TAKE-DOWN."



No. J8480 REVONOC—80 yds., nickel plated, quadruple multiplying, 1¾ in. pillar, 2 in. in diam., take-apart, with extra bushed bearings, jewels in oil cups, patent adjustable back sliding click, ivory tusk balanced handle, w't 7 oz. .....por dozen EGFJ $96.00

ONE IN A BOX.

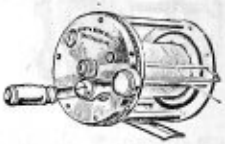
"ROYAL."



No. J2980 REVONOC—80 yds., 1¾ in. pillar, 2¼ in. in diam., jeweled bearings, quadruple multiplying hand polished, German silver finished, balanced handle, with back sliding click, w't 8 oz., per dozen EJDJ $84.00

ONE IN A BOX.

SOUTH BEND ANTI-BACK LASH.



No. 399—100 yds., 1¾ in. pillar, 2 in. in diameter, jeweled bearings, hand polished, solid German silver, balanced white bone handle with back sliding click, per dozen JGBJJ $120.00

A guarantee for one year with each reel. This reel is the only one of its kind made which has a brake that works automatically with the proper force as the line slackens at the end of the cast.

The spool and gear journals are of special steel, accurately turned ground, lapped and burnished to mirror like surface, turning in solid phosphor bronze bushings.

The gearing is of special hunting tooth tram, the gear of which is cut from hard drawn brass, the pinion from special tool steel.

Can be used with or without back lash as desired.

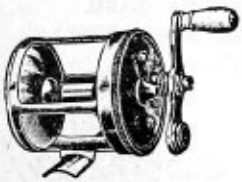
ONE IN A BOX.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enables us to reach distant points 24 hours ahead of shipments made in the regular way.

FISHING REELS.

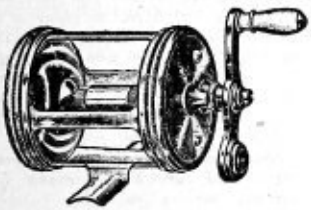
MEISSELBACH.



No. 3580—Tri-part, 80 yds., 1¼ in. pillar, 2 in. in diam., quadruple multiplying, nickel plated, w't 6¼ oz., per dozen.....**CDEE** $57.60

No. 3680—Free-spool Tri-part, otherwise same as No. 3580, per dozen.....**ECFJ** $89.30

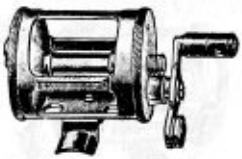
ONE IN A BOX.



No. 3780—Take-a-part, 80 yds., 1⅝ in. pillar, 2 in. in diam., quadruple multiplying, tubular frame, made of solid piece of tubing, with flat cross bars, no screws or rivets to work loose, steel pivots and gears, solid steel shaft, rear sliding click, highly nickeled finish with German silver spool, w't 7¾ oz....per dozen **DAGJ** $69.50

No. 3980—Free-spool Take-a-part, otherwise same as No. 3780, per dozen.....**EGFJ** $96.00

MEEK'S.

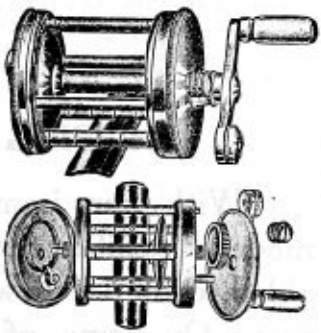


No. 33—Blue Grass Simplex, 100 yds., 1⅝ in. spool, triple multiplying, with thumb rest, easily taken apart by unscrewing cap on back end and thumb nut on front end, back sliding click of oil tempered steel, brass and German silver, all brass parts finely nickel plated, w't 7 oz., per dozen.....**JHA.JJ** $135.00

No. 34—Blue Grass, free spool, otherwise same as No. 33, per dozen .....**JHAJJ** $135.00

This reel is the same size and appearance as the No. 33 Simplex. The free spool mechanism is the clutch principle and automatic in its action. The act of casting automatically disconnects the gearing from the spool. The gearing is automatically reconnected to the spool by the act of winding in the line.

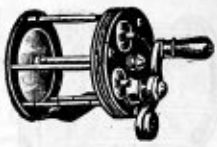
ONE IN A BOX.



No. 25—Blue Grass Improved, 85 yds., quadruple multiplying, German silver, "take-apart," of new design, outside diam. 1 15/16 in., diam of spool 1⅜ in., length of spool 1⅛ in., per dozen.....**AJH.JJ** $180.00

ONE IN A BOX.

MEEK'S.



No. 3—Blue Grass, 100 yds., 1⅝ in. spool, quadruple multiplying, special hand cut gears, tempered tool steel pivots and studs, balanced ivory handle, front sliding click and drag, screw off oil caps, German silver, perfect workmanship and adjustment, w't 8 oz., per dozen.....**AFB.JJ** $270.00

No. J3—Blue Grass, 100 yds., 1⅝ in. spool, *jeweled bearings*, w't 8 oz., otherwise same as No. 3, per dozen.....**BAF.JJ** $360.00

ONE IN A BOX.

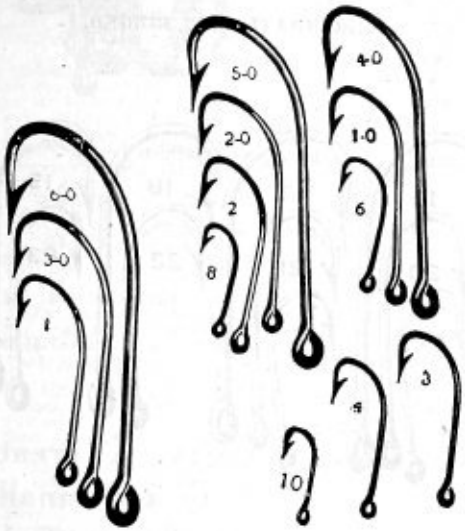
Carry a greater variety and smaller stock by confining yourself to a single brand.

Thousands of articles bear the brand OHB—our guaranty of quality.

FISH HOOKS.

Full Size Cuts.

LIMERICK RINGED.

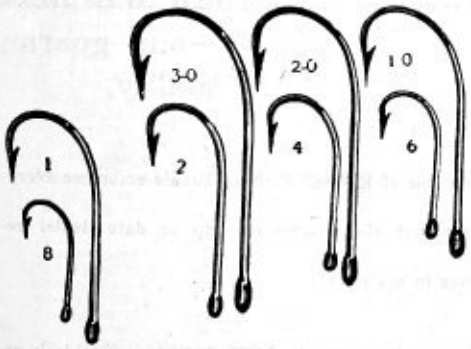


REV-O-NOC, Large Eye, Japanned, Spear Point.

No. 110 REV-O-NOC—Sizes 10, 8, 6, 4, 3, 2 and 1.....per 1000 $1.00
No. 110 REV-O-NOC—Sizes... 1/0 2/0 3/0 4/0 5/0 6/0
Per thousand $1.20 1.40 1.60 1.90 2.20 2.60

100 IN A BOX, 1,000 IN A PACKAGE.

SPROAT RINGED.



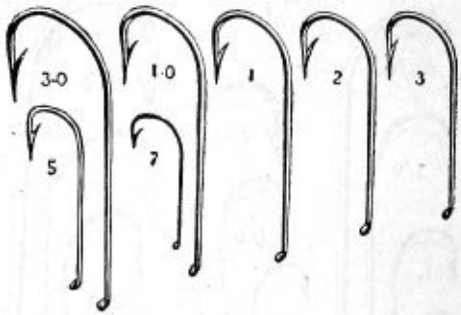
IMPERIAL MILLS, Superfine English, Blued Spring Steel, Spear Point.

No. 270—Sizes 8, 6, 4, 2 and 1.....per thousand $1.40
No. 270—Sizes 1/0 2/0 3/0
Per thousand $1.60 1.80 2.00

100 IN A BOX, 1,000 IN A PACKAGE.

Entire Page DJ%.

PENNELL LIMERICK TURN DOWN EYE.



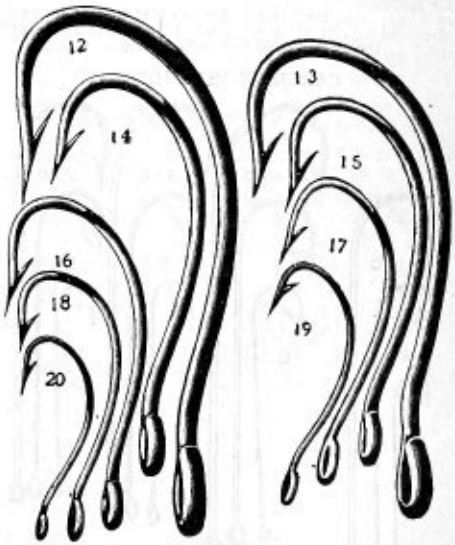
"OUR VERY BEST."

Best Bronze Spring Steel, Tapered Shank, Hollow Point.

No. 290 [illegible]—Sizes.....7, 5, 3, 2, 1 1/0 3/0
Per thousand $9.00 10.00 12.00

100 IN A BOX, 1,000 IN A PACKAGE.

CENTRAL DRAUGHT COD RINGED.



Filed Point, Japanned, Best Steel.

No. 150—Sizes..... 20 19 18 17 16 15 14 13 12
Per gross .....$0.54 .62 .62 .70 .72 .78 .92 1.44 2.10

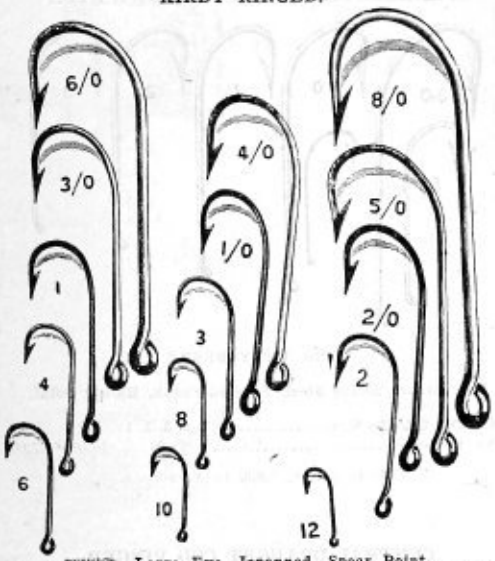
ONE GROSS IN A BOX.

FISH HOOKS.

Entire Page DJ%.

Full Size Cuts.

KIRBY RINGED.



REVONOC, Large Eye, Japanned, Spear Point.

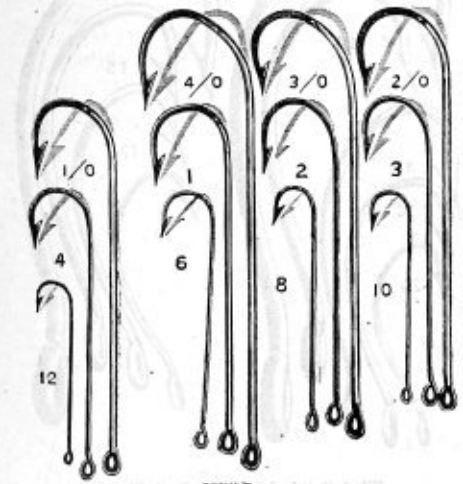
No. 130 REVONOC—Sizes 12, 10, 8, 6, 4, 3, 2 and 1, per 1000 $1.00

No. 130 REVONOC—

Sizes	1/0	2/0	3/0	4/0	5/0	6/0	8/0
Per thousand	$1.20	1.40	1.60	1.90	2.20	2.60	4.00

100 IN A BOX, 1,000 IN A PACKAGE.

CARLISLE RINGED.



REVONOC

Large Eye, Blued Finish, Spear Point.

No. 210 REVONOC—Sizes 12, 10, 8, 6, 4, 3, 2 and 1, per 1000 $1.20

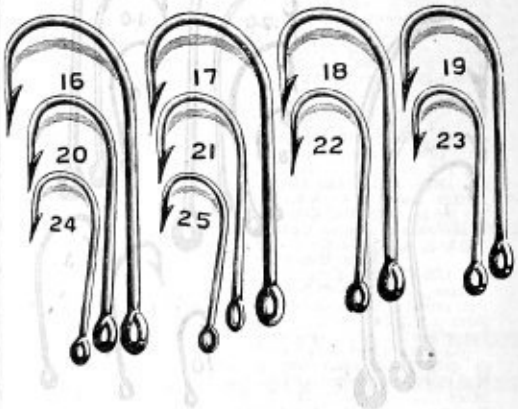
No. 210 REVONOC—Sizes..... 1/0 2/0 3/0 4/0 6/0

Per thousand $1.60 1.70 2.10 2.20 3.00

100 IN A BOX, 1,000 IN A PACKAGE.

Full Size Cuts.

CINCINNATI BASS RINGED.



REVONOC

Bright Spring Steel, Spear Point.

No. 240 REVONOC—Sizes	25 to 22	21	20	19	18	17	16
Per thousand	$1.20	1.40	1.60	2.20	2.50	2.80	3.50

100 IN A BOX, 1,000 IN A PACKAGE.

Our line of REVONOC Fishing Tackle embraces everything that the progressive, up to date dealer requires in his stock.

The dealer that sells REVONOC Fishing Tackle is assured at all times of a large stock to draw from—prices that are right and a line that is guaranteed from start to finish.

SNELLED FISH HOOKS AND TROUT FLIES.

GOLD STANDARD SNELLS.



Gold Standard snelled hooks are the highest grade obtainable. Tied on the highest quality English hollow point hooks. The snells are made of the best heavy, selected gut, tied by the most expert tiers. The highest quality of tying is used, the snell being reinforced by an indestructible, waterproof, transparent cement. These goods are guaranteed perfect in every particular. Gut runs from 8½ to 9 inches, according to size of hooks.

Gold Snells On Carlisle Hooks.

No. 1300—Single gut, sizes 8, 6, 4, 2, 1 .....per gross $6.00

No. 1301—Double Gut,

Sizes	8, 6, 4	3, 1,	1/0	2/0
Per gross	$8.00	8.00	8.70	9.60

ONE-HALF DOZEN ON A CARD IN A BOX.

Gold Snells On Cincinnati Bass Hooks.

No. 1320—Double Gut,

Sizes	24 to 22	21	20
Per gross	$8.00	8.70	9.60
Sizes		19	18
Per gross		$10.80	12.00

ONE-HALF DOZEN ON A CARD IN A BOX.

Cincinnati Bass Hooks.

No. 1324—Treble twisted gut,

Sizes	22	20	18
Per gross	$8.00	9.60	12.00

TROUT FLIES.

REVONOC E Grade.



Full silk body, with helpers, tied on finest hollow point bronzed sproat hook, stock sizes 4, 6, 8 and 10 hooks, in patterns given below, per dozen .....EE $0.90

Patterns.

155—White Miller.
25—Professor.
175—Coachman.
195—Scarlet Ibis.
275—Seth Green.
305—Cow Dung.
325—Queen of Water.
345—Grizzly King.
385—Black Gnat.
405—Royal Coachman.
575—Brown Hackle.
585—Gray Hackle.

ONE DOZEN IN AN ENVELOPE WITH TRANSPARENT WINDOW.

REVONOC C GRADE.

Silk body, tied on selected file point bronzed sproat hook, stock sizes 6 and 8 hooks, in patterns given below .....per dozen CE $0.50

Patterns.

23—Professor.
153—White Miller.
173—Coachman.
303—Cow Dung.
323—Queen of Water.
343—Grizzly King.
383—Black Gnat.
403—Royal Coachman.
573—Brown Hackle.
583—Gray Hackle.

NEPIGON A GRADE.

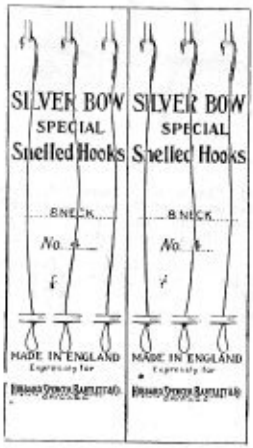
Worsted body, tied on selected spear point sproat hook, stock sizes 6 and 8 hooks, in patterns given below .....per dozen BJ $0.34

Patterns.

21—Professor.
151—White Miller.
171—Coachman.
301—Cow Dung.
341—Grizzly King.
381—Black Gnat.
401—Royal Coachman.
571—Brown Hackle.
581—Gray Hackle.

TWO ON A CARD; THREE CARDS CONNECTED.

SILVER BOW.



Silver Bow hooks are all of selected quality, English make. The gut is strong and very even, measuring 6½ to 7 inches, according to size of hooks. Put up in patent folders.

Carlisle.

No. 1540—Single gut, sizes 8, 6, 4, per gross $2.40

No. 1541—Double Gut,

Sizes	10,8,6	4,2,1
Per gross	$3.00	3.00

Cincinnati Bass.

No. 1551—Double Gut,

Sizes	18	19	20	21	22,24,26
Per gross	$4.50	4.00	3.60	3.30	3.00

ONE-HALF DOZEN IN A FOLDER.

"CRUSO" SPECIAL SNELLED HOOKS.



A fine quality steel hook is used in this grade. Gut is good quality, tied with silk. Put up in wrappers.

Carlisle.

No. 1200—Single gut, sizes 10 to 1, per gross $1.80

No. 1201—Double Gut,

Sizes	10 to 1	1/0	2/0	3/0
Per gross	$2.20	2.40	2.70	3.00

Cincinnati Bass.

No. 1231—Double Gut,

Sizes	25 to 22	21	20
Per gross	$2.20	2.40	2.70
Sizes	19	18	17
Per gross	$3.00	3.30	3.70

Kendal Sneck.

No. 1281—Double Gut,

Sizes	4 to 1	1/0	2/0
Per gross	$2.20	2.40	2.70

ONE-HALF DOZEN IN A WRAPPER.

A FEW PATTERNS IN OUR EXTENSIVE LINE.

Royal Coachman.

Peacock body with red band in center, brown hackle legs, white wing.





Brown Hackle P. B.

Peacock body, gold tinsel tag, brown hackle legs.

Grizzly King.

Green silk body wound with gold tinsel, red tail, gray furnace hackle legs, gray mallard wing.





Black Gnat.

Black ostrich body, gold tinsel tag, black hackle legs, lead colored wing.

Queen of Waters.

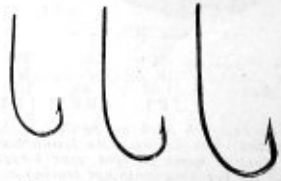
Orange silk body wound with brown hackle its whole length, brown hackle legs, gray mallard wing.





Cow Dung.

Olive covered body with brown hackle legs, and brown wing.



No. 8. No. 6. No. 4.

Full size cuts of hooks used on above flies.

HOOKS AND FLIES.

WEEDLESS HOOKS.



No. W131 REVONOC—Imported hand forged, square wrought, hollow point hooks, very strong, piano wire weed guards, sizes 1/0, 3/0 and 5/0, per dozen .....**JIJ** $1.50



No. W137 REVONOC—Weighted, otherwise same as No. W131 REVONOC, per dozen .....**ABJ** $2.00



No. W120 REVONOC—Extra strong, imported, hollow point Sproat hooks, piano wire weed guard with nickeled cone, ringed, sizes 2/0, 3/0, 4/0 and 5/0, per dozen .....**JGJ** $1.20

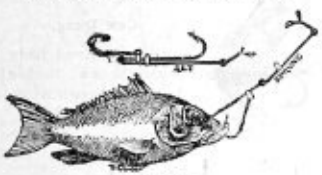
ONE ON A CARD, 2 DOZ. IN A BOX.



No. W125 REVONOC—Weighted, sizes 3/0, 4/0 and 5/0 .....per dozen **AAE** $1.92

ONE ON A CARD, TWO DOZEN IN A BOX.

AUTOMATIC FISH HOOKS.



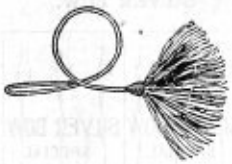
CREER'S.

Nos.	151	153	155
Size	1/0	3/0	5/0
Per dozen	$1.00	1.40	1.50
	JFJ	**JHE**	**JIJ**

The best fish hook on earth for sea, lake and river fishing. No losing bait, nor coming home without your largest fish. No breaking loose nor tearing out. No springs to get out of order.

ONE DOZEN IN A BOX.

REVONOC BUCK TAIL FLIES.



TROUT.

Snelled, Single Gut, Imported, Bronzed, Hollow Point Sproat Hooks, with Genuine Buck Tail Hair Tied on Silk Chenille Body.

Nos.	Size Hook	Per dozen
70 REVONOC	No. 10	**ACJ** $2.16
71 REVONOC	No. 8	**ACJ** 2.16
72 REVONOC	No. 6	**ACJ** 2.16

RINGED BASS.

No. 711 REVONOC—Hollow point, extra strong, imported ringed, bronzed sproat hooks, silk chenille body wrapping with genuine deer tail hair, No. 4/0 plain hook, per dozen .....**AHJ** $3.00

No. 712 REVONOC—No. 5/0 weighted hook, otherwise same as No. 711, per dozen .....**BAE** $3.60

ONE ON A CARD; THREE CARDS CONNECTED.



WEEDLESS RINGED BASS.

No. 721 REVONOC—Hollow point, extra strong imported ringed, bronzed sproat hook, silk chenille body wrapping with genuine deer tail hair, piano wire weed guard and No. 5/0 plain hook .....per dozen **BGJ** $4.50

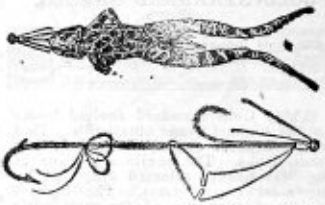
No. 722 REVONOC—With No. 5/0 weighted hook, otherwise same as No. 721 REVONOC .....per dozen **CJJ** $5.00

ONE ON A CARD; THREE CARDS CONNECTED.

All buck tail flies carried in the following colors: white, red body; yellow, peacock body; red, white body; brown, yellow body; gray, black body.

BE SURE AND SPECIFY THE DESIRED COLOR WHEN ORDERING.

FROG HARNESS.



No. 42—U. B. Live-Frog, front hook size 4/0 sproat, rear hook size 6/0 Carlisle, nickel plated wire holder, per dozen .....**CIE** $6.60

The most practical and satisfactory live bait made, frog is so held without hooking that it will remain absolutely alive, allowing free use of body and legs, thus making bait most attractive, unlimited number of casts may be made without injury to frog.

ONE IN A BOX; ONE DOZEN IN A CARTON.

TROUT FLY ASSORTMENTS.



No. 1—Assortment consisting of 1 each of the following flies, Brown Hackle peacock, Coachman, Bee, Governor, Black Gnat, Abbey, Brown Hackle, yellow, Cow Dung, dark, Brown Ant, Gray Palmer, peacock, Professor, Cinnamon, tied on sizes 6, 8 or 10 sproat hooks, 1 size hook only in a package, per dozen assortments. ...**EAJ** $8.50

No. 2—Assortment consisting of 1 each of the following flies, March Brown, Rube Wood, Beauty, Blue Professor, Gray Palmer, green, White Miller, Imbrie, Lowery, Black Palmer, peacock, Brown Hackle, red, Royal Coachman, Brown Palmer, peacock, tied on sizes 6, 8 or 10 sproat hooks, 1 size hook only in a package, per dozen assortments .....**EAJ** $8.50

No. 3—Assortment consisting of 1 each of the following flies, Captain, Gray Palmer, yellow, Grizzly King, Dark Montreal, Yellow May, Golden Spinner, Brown Palmer, red, Willow, King of Waters, Light Cow Dung, Shoemaker, Dark Coachman, tied on sizes 6, 8 or 10 sproat hooks, 1 size hook only in a package, per dozen assortments .....**EAJ** $8.50

These assortments consist of one dozen flies on 6, 8 or 10 sproat hooks, put up on folder. Easy to carry in pocket, just the thing for short trips.

FLIES AND SPINNERS.

REVONOC BASS FLIES.



WEEDLESS.

REVONOC Silk Body—Tied on 3/0 sprout hollow point hook, in patterns given below.....per dozen **AJJ** $2.00

921—Red Ibis.
922—Parmachenee Belle.
923—Lord Baltimore.
924—Coachman.
925—White Miller.
926—Seth Green.

REVONOC Weighted—Silk body tied on 3/0 sprout hollow point hook, in patterns given below...per dozen **AGJ** $2.54

931—Red Ibis.
932—Parmachenee Belle.
933—Lord Baltimore.
934—Coachman.
935—White Miller.
936—Seth Green.

The feathers protect the hook, making it absolutely weedless.

ONE ON A CARD; ONE DOZEN IN A BOX.



A Grade REVONOC—Worsted body, tied on spear point hook, double gut, sizes 1/0 and 2/0 hooks, in patterns given below.....per dozen **DJ** $0.60

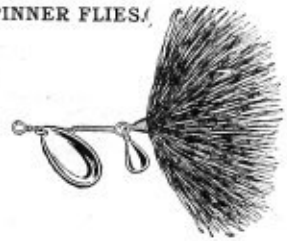
741—Seth Green.
742—Lake George.
743—Grizzly King.
744—Professor.
745—Montreal.
746—Royal Coachman.
747—Scarlet Ibis.
748—White Miller.
749—Brown Hackle.
750—Silver Doctor.

B Grade REVONOC—Silk body, tied on spear point, bronzed sprout hook, double gut, sizes 1/0 and 2/0 hooks, in patterns given below, per dozen .....**EE** $0.90

761—Seth Green.
762—Grizzly King.
763—Professor.
764—Montreal.
765—Royal Coachman.
766—Scarlet Ibis.
767—White Miller.
768—Brown Hackle.
769—Silver Doctor.

B GRADE, ONE; A GRADE, THREE ON A PERFORATED CARD.

SPINNER FLIES.



REVONOC SPECIAL SPOON BUCK TAIL TROUT.

No. 73 REVONOC—No. 6 Ringed hollow point, bronzed hooks with silk chenille body, 5/8 in. nickeled, polished spoon .....per dozen **BGJ** $4.50

REVONOC SPECIAL SPOON BUCK TAIL BASS.

No. 731 REVONOC—Genuine Buck Tail ringed flies, silk chenille body, No. 5/0 imported, extra strong, bronzed, hollow point sprout hooks, swivel casting sinker attached, 1½ in. single spinner .....per dozen **DCJ** $7.20

No. 732 REVONOC—Weedless hook, otherwise same as No. 731 **REVONOC**, per dozen .....**DHJ** $8.00

An excellent bait frequently used with pork rind strip or chunk.

In following colors: white, red body; yellow, peacock body; red, white body; brown, yellow body; gray, black body.

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 186 REVONOC—Bass, 1¼ in. nickel plated blade, mounted on piano wire, fancy detachable fly on hollow point hook .....per dozen **AEJ** $2.50

SIX ON A CARD; ONE DOZEN IN A BOX.



No. 10 REVONOC—Nickeled 1 in. spoon mounted with box swivel, interchangeable flies No. 1/0 fly hooks, per dozen .....**ABJ** $2.00

ONE DOZEN IN A BOX.

SPINNER FLIES.



No. 7—Catskill, 1 in., nickel plated, fluted blade, mounted on fancy fly, box swivel.....per dozen **ABJ** $2.00

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 8—Trout, mounted on heavy single gut, reinforced silk winding, nickel plated blade, high grade fly, per dozen .....**AAJ** $1.80

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 61—Spinning Coachman, nickeled spinner on box swivel, three high grade silk body flies on hollow point hooks ....per dozen cards **BAJ** $3.50

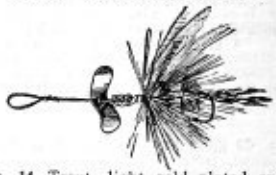
THREE ON A CARD; ONE DOZEN CARDS IN A BOX.



No. 5—Adirondak, 1¼ in., nickel plated blade on hollow point treble hook, box swivel.....per dozen **AAJ** $1.80

ONE ON A CARD; ONE DOZEN IN A BOX.

"E. Z." SPINNING FLIES.



No. 14—Trout, light gold plated spinners on No. 8 Pennell sneck hooks, per dozen .....**AAJ** $1.80

So light they may be cast with the frailest fly rods. Following patterns in stock: Royal Coachman, Black Gnat, Parmachenee Belle, Professor, Brown Palmer, Gray Palmer, Cow Dung, Ibis, Rube Wood, Montreal, Bee, Grizzly King.

THREE ON A CARD; ONE DOZEN IN A BOX.

EMERICK SPINNERS.



Nos.	E1	E2	E3	E4
Size spoon, in.	⅝	⅞	1	1⅛
Per dozen...	$1.20	1.20	1.20	1.20
	JGJ	JGJ	JGJ	JGJ

ONE ON A CARD; ONE DOZEN IN A BOX.

SPINNERS.

REVONOC JERSEY.



No. 1863 REVONOC—Genuine Buck Tail natural color hair with red feather center, No. 3/0 treble, hollow point weedless hook, weight and nickeled spinner attached by split ring, per dozen .....**DCJ** $7.20

ONE ON A CARD; ONE DOZEN IN A BOX.

REVONOC COLORADO.



TROUT.

No. C1 REVONOC—Colorado, ¾ in. brass spoon, size 9 hollow point treble hooks, two barrel swivels, per dozen .....**ABJ** $2.00

No. C2 REVONOC—Nickel plated concave, copper convex, otherwise same as No. C1 REVONOC.....per dozen **ABJ** $2.00

No. C2½ REVONOC—Nickel plated spoon, otherwise same as No. C1 REVONOC, per dozen .....**ABJ** $2.00

No. C2¾ REVONOC—Brass and copper, No. 6 hook, otherwise same as No. C1 REVONOC.....per dozen **ABJ** $2.00

No. C4 REVONOC—Colorado, ¾ in. pearl blade, size 12 hollow point treble hooks, two brass barrel swivels, per dozen .....**ADE** $2.40

BASS.

No. C3 REVONOC—Colorado, 1¼ in. brass spoon, size 4 hollow point treble hooks, two barrel swivels, per dozen .....**ACJ** $2.20

No. C3¼ REVONOC—Embossed brass, otherwise same as No. C3 REVONOC, per dozen .....**ACJ** $2.20

No. C3½ REVONOC—Nickel plated spoon, otherwise same as No. C3 REVONOC, per dozen .....**ACJ** $2.20

ONE ON A CARD; ONE DOZEN IN A BOX.

BUEL'S.



Silver Plated, Bright Treble Hook.

No. 1933—Sizes	5	3
Per dozen	$6.30	8.60
	CHJ	**EAE**

ONE IN A BOX.

REVONOC FLUTED.



No. 1 REVONOC—Regular, fine quality fluted spinner, nickel plated convex, red concave, mounted on heavy double gut, improved reversible carriers, easy bearing, size 1 spoon, size 1/0 hook.....per dozen **JGJ** $1.20

No. 2 REVONOC—Size 2 spoon, size 2/0 hook, otherwise same as No. 1, per dozen .....**JGJ** $1.20

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 11—Skinner's, size 1, nickel plated, fluted spoon, mounted on double gut, size 1½, high grade, sproat hook, per dozen .....**ADJ** $2.30

No. 12—Skinner's, size 2, nickel plated, fluted spoon, mounted on gimp, size 2/0 high grade sproat hook, per dozen .....**ADJ** $2.30

No. 13—Skinner's, size 3 spoon, size 3/0 hook, otherwise the same as No. 12, per dozen .....**ADJ** $2.30

ONE ON A CARD; ONE DOZEN IN A BOX.

BING'S WEEDLESS TANDEM.

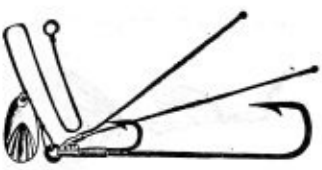


No. 19—2/0 Carlisle hooks, with swivel, nickel plated gold tipped spoon, rear double hook.....per dozen **BAE** $3.60

The rear double hooks make a sure catch for short biters. By placing minnow in center of trailer and putting rubber band around minnow, you are sure of your strike.

ONE ON A CARD; ONE DOZEN IN A BOX.

STANLEY'S PERFECTION.



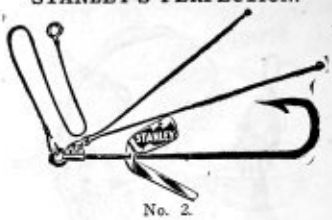
No. 40.

No. 4—Weighted, size 4/0, per dozen .....**BGJ** $4.50

No. 40—With spoon, size 4/0 only, per dozen .....**CBE** $5.40

ONE ON A CARD; ONE DOZEN IN A BOX.

STANLEY'S PERFECTION.



No. 2.

No. 1—Plain, sizes 4/0 and 5/0, per dozen .....**BAE** $3.60

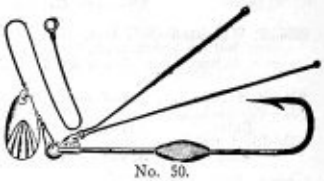
No. 2—With spinner, otherwise the same as No. 1...per dozen **BGJ** $4.50

No. W2—Weighted, with spinner, size 4/0 only.....per dozen **CBE** $5.40

No. 3—With spoon, size 4/0 only, per dozen .....**BGJ** $4.50

No. W3—Weighted, otherwise same as No. 3.....per dozen **CBE** $5.40

ONE ON A CARD; ONE DOZEN IN A BOX.



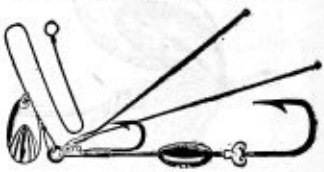
No. 50.

No. 5—Pork rind tandem, size 4/0, per dozen .....**BGJ** $4.50

No. 50—With spoon, otherwise same as No. 5.....per dozen **CBE** $5.40

No. 500—With spinner, otherwise same as No. 5.....per dozen **CBE** $5.40

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 60.

No. 6—Frog tandem, sneck hook, sizes 4/0 and 5/0.....per dozen **CGE** $6.30

No. 60—With spoon, otherwise same as No. 6.....per dozen **EDJ** $9.00

ONE ON A CARD; ONE DOZEN IN A BOX.



No. 90.

No. 8—Fly, red body and wings, with spinner, white tail, nickel plated spinner.....per dozen **EDJ** $9.00

No. 90—With spoon, otherwise same as No. 8.....per dozen **EDJ** $9.00

ONE ON A CARD; ONE DOZEN IN A BOX.

TROLLING BAITS, TREBBLE AND GANG HOOKS.

BUCKTAIL MINNOW SPOON.



No. 2933

BUCKTAIL AND SPOON.



Nos. 1903 to 1905.

No. 2933 REVONOC—Genuine pure white Buck Tail hair on one 4/0 single hook and one 2/0 treble hook, extra strong in tandem, connected by rust proof flexible wire gimp, with No. 4 nickeled fluted spoon,
per dozen .....**CJJ** $5.00

REVONOC

Bronzed, Extra Strong, Treble Hooks, Wrapped with Genuine Buck Tail Hair, Red Feather Center with Nickeled Fluted Spoon.

Nos.	1903	1904	1905
Size hooks	2-0	3-0	4-0
Size spoon, in.	1½	1½	1¾
Per dozen	$3.00	3.00	4.00
	AHJ	**AHJ**	**BDJ**

ONE ON A CARD; ONE DOZEN IN A BOX.

SPECIAL MUSKIE BUCK TAIL SPOONS.



No. M8 REVONOC—Extra strong throughout, nickel plated, polished and buffed 3¼ in. spoon with brass leader connected by a swivel, genuine buck tail, mixed red and white, with No. 10-0 hollow point extra heavy imported treble hook,
per dozen .....**JIJJ** $15.00

ONE ON A CARD; FOUR IN A BOX.

TANDEM.



Nos .1901 and 1902.

SKINNERS.



No. 109.

No. 1901—Bass, 1½ in. luminous, reinforced, nickeled blades revolving in opposite directions, mounted on hollow point feathered treble hooks and brass box swivel, per doz. **CIE** $6.60

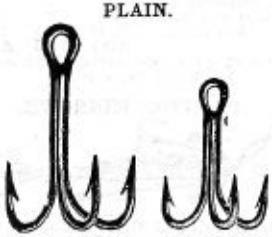
No. 1902—Pickerel, 2 in. luminous, reinforced, nickeled blades, otherwise same as No. 1901, per doz. **DDJ** $7.30

A very attractive bait, blades are covered with a glow substance, making this bait fine for night fishing.

ONE DOZEN IN A BOX.

No. 109—Skinner's, 3 in. nickeled spoon, No. 7/0 treble hooks, No. 1/0 swivel, finely feathered, per doz. **CFJ** $6.00

PLAIN.



No. 1/0. No. 3.

Standard Quality, Bright Finish, Spear Point Ring.

Nos.	5,3,2,1	1-0	2-0
Per gross	$2.10	2.36	2.64
	ABE	**ADJ**	**AFJ**

Nos.	4-0	6-0	8-0
Per gross	$3.42	5.04	6.48
	BJE	**CJJ**	**CIJ**

THREE DOZEN IN A BOX.

WEEDLESS.



No. 318 REVONOC—Extra strong, hollow point hooks with wire weed guards and nickeled cones, in sizes 3, 1, 1/0 and 3/0.....per dozen **ACJ** $2.16
Sizes 1 and 1/0 are frequently used for attacking on minnow baits.

ONE ON A CARD; FIVE CARDS CONNECTED; TWO DOZEN IN A BOX.

TREBLE BUCK TAIL.



Genuine Deer Tail Hair, Natural Color with Red Feather Center, Tied Very Full with Genuine Silk on Extra Strong Imported Hooks.

Nos.	Size Hooks.	Per dozen.
1811 REVONOC	2	**AAJ** $1.80
1812 REVONOC	1/0	**ABJ** 2.00
1813 REVONOC	2/0	**ABJ** 2.00
1814 REVONOC	3/0	**ABJ** 2.00
1815 REVONOC	5/0	**ADE** 2.40

ONE ON A CARD; ONE DOZEN IN A CARTON.



No. 2934 REVONOC—Gang, genuine Buck Tail hair, natural color with red feather center, one No. 4/0 single and one No. 3/0 treble hook in tandem, extra strong, connected by rust-proof, flexible wire gimp,
per dozen .....**BCJ** $3.80

WHITE WITHOUT RED FEATHER.

No. 2937 REVONOC—Special Gang, one No. 5/0 treble, and one No. 6/0 single hook .....per dozen **DCJ** $7.20
No. 2939 REVONOC—Special Gang, one No. 7/0 single, one No. 6/0 treble, and one No. 5/0 treble hook,
per dozen .....**JFEJ** $10.80

ONE ON A CARD; ONE DOZEN IN A BOX.

SPINNER ATTACHMENTS, MINNOWS AND TROLLING BAITS.

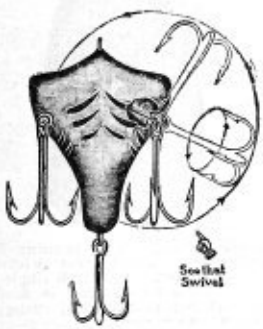
REVONOC SPINNER BAIT ATTACHMENT.



Nickel Plated, Polished and Buffed Brass Spoons Mounted on Piano Wire with Nickel Plated, Reversible Clevis Carrier.

No. 66 REVONOC—Trout, single spinner, ⅝ in. blade.....per dozen **ACJ** $2.16
No. 86 REVONOC—Bass, single spinner, 1⅛ in. blade....per dozen **ACJ** $2.16
No. 67 REVONOC—Trout, double spinner, ⅝ in. tandem blades, per dozen.....**BAE** $3.60
No. 87 REVONOC—Bass, double spinner, 1¼ in. tandem blades, per dozen.....**BAE** $3.60
ONE ON A CARD; THREE CARDS CONNECTED.

VACUUM BASS BAITS.

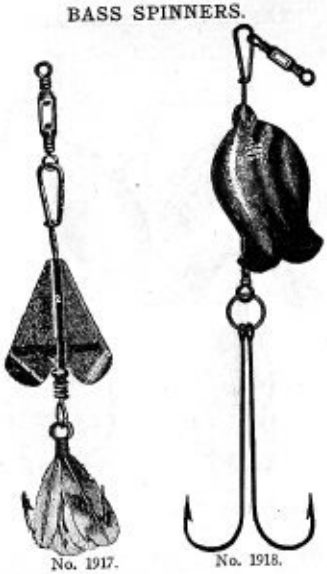


No. 55—Howe's, wood, white finish, brass metal nickel plated parts, three treble hooks, w't 2 oz., per dozen.....**JFEJ** $10.80

This is a new design bait, each bait is made of selected stock with eight coats of white enamel, making it hard, durable and waterproof. Can be used at day time or at night as a moonlight bait.

ONE IN A TIN BOX.

BASS SPINNERS.



No. 1917. No. 1918.

BLACK BASS.

Finely Nickeled Blade Mounted on Brass Box Swivel and High Grade Feathered Hooks.

No. 1917— Sizes	1	2	3	4
Size, spoon, in.	¾	1	1⅛	1⅜
Per dozen	$1.30	1.30	1.30	1.30
	JHJ	**JHJ**	**JHJ**	**JHJ**

ONE DOZEN IN A BOX.

DELAVAN.

Heavy Nickel Plated Blade, Mounted on Brass Box Swivel and Extra Long Hollow Point Hooks.

No. 1918—Sizes	1	2	3
Size spoon, in.	1¼	2	2¼
Per dozen	$2.30	2.30	2.30
	ADJ	**ADJ**	**ADJ**

THREE ON A PERFORATED CARD; ONE DOZEN IN A BOX.

PHANTOM MINNOWS.



Highly Polished Metal Head, All Silk Body, Covered with Waterproof Varnish, Mounted on Brass Box Swivel and Spring Steel Treble Hooks.

Nos.	02	03	04
Length	2½	3	3¼
Weight	¾	⅞	1
Per dozen	$4.40	4.80	4.80
	BFE	**BIJ**	**BIJ**
Nos.	**05**	**06**	**07**
Length	3½	4	4½
Weight	1	1	1½
Per dozen	$4.80	5.90	6.60
	BIJ	**CEE**	**CIE**

ONE ON A CARD IN A BOX; SIX IN A CARTON.

SPOON AND WEEDLESS FEATHERED TREBLE HOOKS.



REVONOC

Nickeled, Fluted Spoon with Swivel, Heavily Feathered, Hollow Point, Treble, Weedless Hooks, Piano Wire Weed Guards with Nickeled Cones.

Nos.	113	114	115	120
Size hook	3/0	4/0	5/0	6/0
Size spoon, in.	1½	1¾	2	2¼
Per dozen	$4.80	4.80	5.70	6.00
	BIJ	**BIJ**	**CDJ**	**CFJ**

ONE ON A CARD; ONE DOZEN IN A BOX.

ZIG-ZAG BAIT.



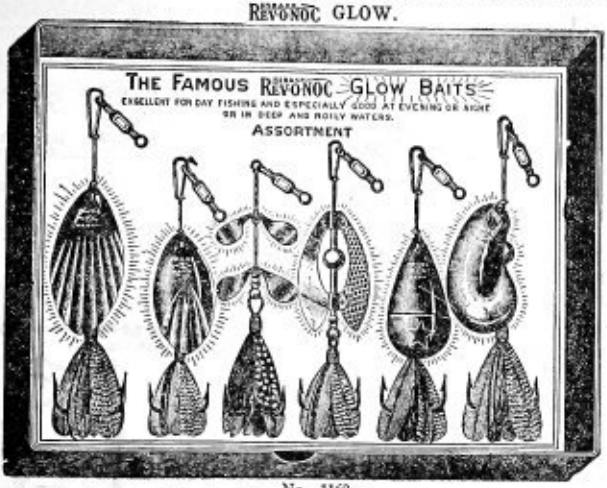
Combination Under-Water and Surface Lure.

No. 195—Three treble hooks, white body, red head, per doz. **EDJ** $9.00

When drawn through the water at a moderate rate of speed it darts downward and has a zig-zag, wobbling, swimming and wriggling motion that makes it an irresistible lure.

TROLLING BAITS.

REVONOC GLOW.



No. 1160.

No. 1160—Assortment of 6 glow baits, nickel plated treble hooks trimmed with high grade of feathers, baits assorted as follows,
Size 8—Original fluted glow bait.
Size 4¼—Genuine fluted glow bait.
Size 2—Double propeller glow bait.
Size 3—American spinner glow bait.
Size 2—Star glow bait.
Size 5—Kidney ball glow bait.
per assortment.....**ADJ** $2.30

All of these baits are made with the excellent glow or luminous feature which makes them doubly attractive and effective as bait.

No. 1160½—Assortment, non-luminous assorted as follows,

Size 4¼—Fluted bait.
Size 3—Fluted bait.
Size 4½—Fluted bait.
Size 2—Black Bass spoon.
Size 3—Kidney spoon.
Size 4—Hammered spoon.
per assortment .....**DJ** $0.70

These are high grade and effective baits, but without the luminous feature of the No. 1160 assortment.

These baits have been selected with a view of combining in one assortment a variety of the most popular patterns and sizes. Each assortment consisting of six baits is sewed on a printed display card in such a manner that each bait can be easily detached.

ONE ASSORTMENT IN A FANCY DISPLAY BOX.

REVONOC FLUTED.



No. 1910 REVONOC—Finest Quality Blade, Nickel Convex, Polished Copper Concave, Mounted on Brass Barrel Swivel and Hollow Point Finely Feathered Treble Hooks.

Sizes.	Size Spoon, in.	Per Dozen.
1	1	AFJ $2.70
2	1⅛	AFJ 2.70
3	1⅛	AFJ 2.70
4	1½	AFJ 2.70
4½	1⅝	AFJ 2.70
4¾	1⅞	AFJ 2.70
5	2⅛	AIJ 3.20
6	2⅛	AIJ 3.20
7	2⅜	BDJ 4.00
8	2½	BDJ 4.00

ONE IN A BOX; TWELVE BOXES IN A CARTON.

TANDEM.



No. 1931—Bass, 1½ in. reinforced nickeled blades, mounted on brass box swivel and fine quality feathered treble hooks....per dozen **BAJ** $3.50
No. 1932—Pickerel, 2 in. reinforced nickeled blades, otherwise same as No. 1931.....per dozen **BCJ** $3.90

ONE ON A CARD; ONE DOZEN IN A BOX.

CRUSO REGULAR FLUTED.



Standard Quality Blade, Nickeled Convex, Red Concave, Mounted on Brass Box Swivel and High Grade Feathered Treble Hooks.

CRUSO

No. 1912— Sizes	1	2	3	4
Size spoon, in.	1	1⅛	1⅛	1½
Per dozen	$1.00	1.00	1.00	1.00
	JFJ	JFJ	JFJ	JFJ
No. 1912—Sizes	4½	4¾	5	
Size spoon, in.	1⅝	1⅞	2⅛	
Per dozen	$1.00	1.00	1.10	
	JFJ	JFJ	JFE	
No. 1912—Sizes	6	7	8	
Size spoon, in.	2⅛	2⅛	2½	
Per dozen	$1.10	1.20	1.20	
	JFE	JGJ	JGJ	

ONE DOZEN IN A BOX.

SKINNER'S FLUTED.



No. 1911—C. M. Skinner's High Grade, Nickeled Blade, Mounted on Brass Box Swivel and Feathered Hollow Point Treble Hooks.

Sizes.	Size Spoon, in.	Per Dozen.
1	1	BAE 3.00
2	1⅛	BAE 3.00
3	1⅛	BAE 3.00
4	1½	BAE 3.00
4½	1⅝	BAE 3.00
4¾	1⅞	BAE 3.00
5	2⅛	BIJ 4.00
6	2⅛	BIJ 4.00
7	2⅜	CFJ 5.00
8	2½	CFJ 5.00

ONE DOZEN IN A BOX.

PRESERVED AND ARTIFICIAL BAITS.

PRESERVED BAITS.



Minnows.



Minnows.

Frogs.

No. 1935—About 5 doz. in a bottle.....per dozen **BIJ** $4.80

The composition used in preserving the minnow does not affect shape or shininess, will not toughen or harden the bait, and gives all the appearance of a live shiner.

TWO DOZEN IN A CASE.

Frogs.

No. 1936—One dozen in a screw top glass jar, per dozen .....**CDE** $5.76

These frogs are so treated that they preserve their color and, while not rubbery, are slightly elastic and toughened so that they last on the hook better than the live ones.

ONE DOZEN IN A CASE.

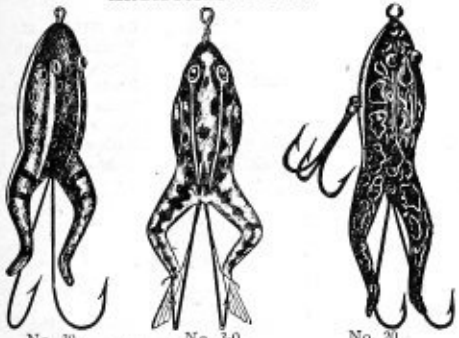
PORK RIND.



No. 1937—Prepared in correct shape for casting, 6 strips in metal boxes .....per dozen boxes **BAE** $3.60

Strips are 3 to 4 inches long and so shaped that the action in the water is like that of a live minnow.

ARTIFICIAL FROGS.



No. 30. No. 3-0. No. 20.

No. 30 REVERSE—Solid rubber with two common hooks, non-floating, length 3 in.....per dozen **BDJ** $4.00

ONE ON A PERFORATED CARD.

No. 3-0 REVERSE—Hollow rubber, with weedless hooks, length 3½ in.....per dozen **JFIJ** $11.50

No. 20 REVERSE—Moulded ground cork and pure, soft rubber, decorated true to life, hollow point hooks, floats belly down.....per dozen **CGJ** $5.50

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

WHITE GRUB BAITS.



Pure India Rubber, Very Life-Like.

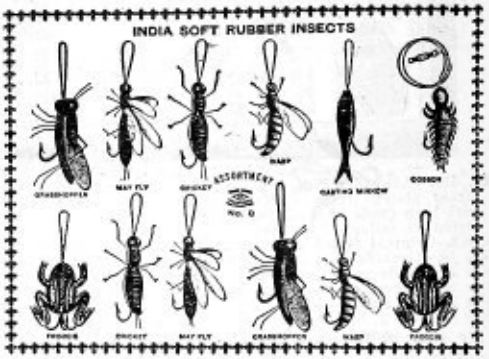
No. 18—Trout, on hollow point hook, per card .....**JIE** $1.60

No. 20—Bass, on hollow point hook, per card .....**AAE** $1.90

A very close imitation of a live grub and equally effective.

ONE DOZEN ON A BLOTTER BOARD, IN A FANCY BOX.

RUBBER BAITS.



No. 200—Assortment consists of one dozen of the most popular baits on card in fancy box, per dozen assortments .....**AHJJ** $30.00



No. 14.

Pure India Rubber, Very Life-Like.

No. 14—Worm.....per dozen **BJE** $3.40
No. 13—Minnow, 1¼ in. long.....per dozen **AHJ** 3.00
No. 115—Minnow, 2 in. long.....per dozen **BGJ** 4.50
No. 31—Grasshopper .....per dozen **ABJ** $2.00

For illustration of these baits see cuts of No. 200 assortment.

ONE DOZEN ON A PERFORATED CARD.



No. 12.

Pure India Rubber, Very Life-Like.

No. 12 — Large frog, per dozen **BEJ** $4.20

No. 21 — Large Dobson, per doz. **BCJ** $3.80

ONE DOZEN IN A BOX ON A CARD.



No. 21.

MINNOWS.

MINNOWS.

Bodies.—These bodies are of choice selected red cedar, which has been thoroughly seasoned, perfect in shape, proportion and balance, from seven to eleven coats of waterproof enamel, according to the color finish, guaranteed not to crack, chip or peel, exceptionally artistic and beautiful color blendings.

Hooks.—Imported, extra strong, heavily nickel plated treble pattern, tail treble hook is two sizes larger than the side trebles, hooks are fastened by screw eyes and so suspended that they do not scratch the body.

Eyes.—Glass, with life-like appearance, correctly placed, fitted and counter-sunk.

Spinners.—Each minnow has two spinners, one at the head end and one at the tail end, revolving in opposite directions, perfect in shape and design, heavily nickel plated, polished and buffed, cone shape washer at nose gives the front spinner a metal to metal bearing surface instead of metal to wood, making the spinners revolve very easily.

Trimmings.—All trimmings, eyelets, screw eyes, beads, etc., are heavily nickel plated.

Material and Workmanship.—These minnows are unsurpassed in quality, the very best grade of material being used throughout, and expert workmanship employed in their manufacture. The durability and "game-fish-getting" qualities of these minnows make them the most popular on the market today.



Three Treble Hooks, 3 in., w't ¾ oz.

No. 1000 —Green cracked back, white belly, per dozen .....DHJ $8.00

No. 1001 —Rainbow, green back, red and yellow sides blending into white belly.....per dozen DHJ $8.00

No. 1002 —Red cracked back, yellow belly, per dozen .....DHJ $8.00

No. 1004 —Aluminum color.....per dozen DHJ $8.00



Five Treble Hooks, 3⅝ in., w't 1¼ oz.

No. 2000 —Round, green cracked back, white belly, per dozen .....EDJ $9.00

No. 2001 —Rainbow, green back, red and yellow sides blending into white belly.....per dozen EDJ $9.00

No. 2002 —Red cracked back, yellow belly, per dozen .....EDJ $9.00

No. 2003 —Red body with dark shaded back, per dozen .....EDJ $9.00

No. 2005 —Yellow perch.....per dozen EDJ $9.00

No. 2006 —Hexagon effect, white body, red and green spotted decorations .....per dozen EDJ $9.00

No. 2007 —Hexagon effect, yellow body, red and green spotted decorations .....per dozen EDJ $9.00

REVONOC "KETCH-FISH" MINNOWS.

Bodies of Red Cedar, Glass Eyes, Two Spinners, Nickeled Trimmings.



3 Inch Body, Three Treble Hooks, W't ½ oz.

No. 80 REVONOC—"Ketch-Fish," fancy green back with white belly.....per dozen CFJ $6.00

No. 81 REVONOC—"Ketch-Fish," rainbow, green striped, pink blending to white belly.....per dozen CFJ $6.00

No. 84 REVONOC—"Ketch-Fish," red hat, white body, per dozen .....CFJ $6.00

No. 85 REVONOC—"Ketch-Fish," perch...per dozen CFJ $6.00

No. 86 REVONOC—"Ketch Fish," spotted..per dozen CFJ $6.00



3½ Inch Body, Five Treble Hooks, W't ¾ oz.

No. 880 REVONOC—"Ketch-Fish," fancy green back with white belly.....per dozen DCJ $7.20

No. 881 REVONOC—"Ketch-Fish," rainbow, green stripe, pink blending to white belly.....per dozen DCJ $7.20

No. 883 REVONOC—"Ketch-Fish," fancy red back and belly, per dozen .....DCJ $7.20

A good casting or trolling minnow at a low price.

ONE IN A BOX; ONE DOZEN IN A CARTON.

SPECIAL MINNOWS AND BAIT ASSORTMENTS.

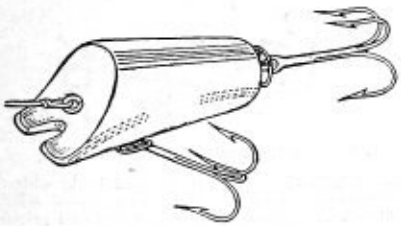
LIVE MINNOW TUBES.



No. 44—Detroit, 3½ in. long, transparent glass, celluloid bottom, 4 treble hooks, w't per doz. 1¼ lbs., per dozen ..... JHAE $13.50

ONE IN A BOX.

JIM DANDY WOBBLER.



No. 75—Body 2¼ in. long, white, with red face ,w t ¾ oz., per dozen ..... JGBJ $12.00

This is the wonderful new bait that has taken the country by storm. Wobbles and labors through the water like a crippled minnow, and fish immediately attack it. A sure killer.

ONE IN A BOX.

SPECIAL "CHICAGO" MINNOWS.



No. 1833.

Length Body 2⅝ in., Well Finished, Three Treble Hooks, One Spinner, Glass Eye.

No. 1821—Rainbow.....per dozen BDJ $4.50
No. 1822—Greenback.....per dozen BDJ $4.50
No. 1833—Fancy Green.....per dozen BDJ $4.50
No. 1835—Yellow Perch.....per dozen BDJ $4.50

ONE IN A BOX; ONE DOZEN IN A CARTON.

BASS ORENO.

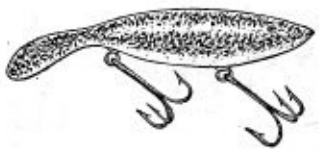


South Bend Wobbler.

No. 851—Body 2½ in. long, made of red cedar wood and has a high finish enamel, white body, red head, w't ¾ oz., per dozen .....DHJ $8.00

A very effective bait with a darting motion when it is reeled in, the faster it is reeled the deeper it will travel. Its attractiveness and movement in water surpasses any other bait. Has three extra strong nickel plated treble hooks. The belly hooks are held by screw eyes in socket giving the most effective position for landing strikes.

TANGO.



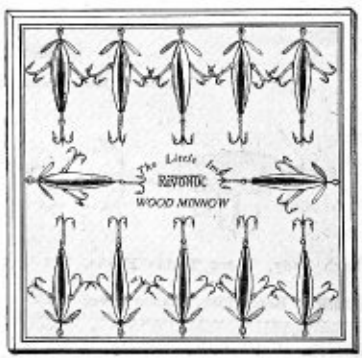
No. 65—Body 5 in. long, w't ¾ oz., per doz. JGBJ $12.00

White, red head.
White, yellow and green mottled back.
Yellow, red head.
Yellow, red and green mottled back.

Has all the dip, dive, wiggle and swiming motion of live minnow in action. Hooks behind body of bait makes practically a weedless bait.

ONE IN A BOX.

LITTLE IMP ASSORTMENTS.



No. X33 REVONOC—Assorted green back, yellow belly and green back, white belly, three treble hooks, wood body 2½ in. long, w't about 1 oz. each minnow, 12 on a card, per card .....ABJ $2.00

Put up in a very attractive and salable manner, assorted on card as shown in cut, packed one card in a neat box.

AND DOWAGIAC MINNOWS.

SURFACE OR FLOATING.



Luminous Phosphorus Enamel Body, Red Head and Collar, One Belly, One Tail, Large Treble Hooks, 1 oz. Body.

Nos.	95	98
Length, in.	4½	3
Per dozen	$11.50	11.00
	JFIJ	JFFJ

No. 98 is weedless.

This bait possesses the peculiar quality of absorbing light, and reflecting the same in the dark. It emits a clear white light which is made more effective by the radiant power of the water.

The strong ripple thrown by the concave collar on these numbers attracts the fish from a great distance.

ONE IN A BOX.

PANETELLA.



Two Spinners, Three Treble Hooks, 4¼ in., ¾ oz. Body.

No. 7000 —Green cracked back, white belly, w't per doz. in carton 1¾ lbs.....per dozen **EFJ** $9.30

No. 7001 —Rainbow color, green back, red and yellow sides, blending into white belly, w't per doz. 1¾ lbs., per dozen.....**EFJ** $9.30

The slender shape makes an attractive lure for the gamey ones.

ONE IN A BOX

MUSKIE AND BASS CASTING.



Three Extra Strong Hollow Point Treble Hooks, Head and ail Spinners, 3¾ In., W't 1 4-10 oz.

No. M1000 —Green cracked back, white belly, w't per doz. in carton 2 lbs. .....per dozen **JHCJ** $13.8

No. M1001 —Rainbow, green back, red and yellow side blending into white belly, per dozen.....**JHCJ** $13.80

ONE IN A BOX.

MUSKIE TROLLING.

Five Heavy Extra Strong, Hollow Point Treble Hooks, 5¼ In., W't 2¼ oz., With Glass Eyes and Head and Tail Spinners.

No. M2001 —Rainbow color, green back, red and yellow sides blending into white belly, w't per doz. in carton 3¾ lbs., per dozen.....**AAEJ** $19.20

Highest grade material and workmanship throughout, extra strong in construction, perfect in shape and design.

ONE IN A BOX.

HEDDON'S DOWAGIAC.



Dowagiac Wood Sinking Bait, Two Spinners, Three Detachable Dummy Double Hooks, 3 in., 1 oz. Body.

No. 1500—Body white with red, green and yellow spotted effect per dozen .....**JIFJ** $16.00

This is Heddon's latest product, with new style, patented hooks that do away with treble hooks and are guaranteed to increase the killing certainty.

ONE IN A BOX.



No. 0 Series—Two spinners, three japanned extra strong Dowagiac treble hooks 3 in., 2½ oz. body in colors given below, per dozen **JGBJ** $12.00

No. 0—White body, red and green decorations.

No. 01—Yellow body, red, green and black decorations.

This is a new design with flat surfaces and side hooks mounted on a ridge with body of minnow sloping away from hooks, leaving them in the clearest possible position for efficiency.

No. 00 Series—Five japanned treble hooks, 3½ in., 2¾ oz. body, otherwise same as No. 0 Series in colors given below.....per dozen **JHAE** ..13.60

No. 00—White body, red and green decorations.

No. 001—Yellow body, red, green and black decorations.

No. 002—Red body, black decorations.

ONE IN A BOX.

MINNOWS.

HEDDON'S DOWAGIAC.



No. 100 Series—Two spinners, three extra strong Dowagiac, nickel plated, treble hooks, 2¾ in., 1 oz. body in colors given below,
per dozen.....JGBJ $12.00

No. 100—Fancy. No. 102—White.
No. 101—Rainbow. No. 104—Red.

No. 150 Series—Five nickel plated Dowagiac treble hooks 3⅜ in., 3½ oz. body, otherwise same as No. 100 Series, in colors given below,
per dozen.....JHAE $13.60

No. 150—Fancy. No. 157—Fancy Brown.
No. 151—Rainbow.
No. 152—White. No. 159A—Yellow Perch.
No. 153—Aluminum.
No. 154—Red. No. 159B—Frog finish.

No. 700 Series—Muskallonge, three extra heavy, hollow point No. 1/0 treble hooks, 5½ in., 3 oz. body in colors given below, per doz. ★JIFJ $16.00

No. 700—Fancy back, white belly.★

No. 707—Fancy Sienna back, yellow belly.

No. 709A—Green back, white belly, sides yellow with perch stripes.

This minnow is designed especially for catching Muskallonge.



No. 1602—New Wiggler Deep Diving, length 4½ in., white body with red head, w't 1¾ oz.,
per dozen.....JGBJ $12.00



No. 1702—New Wiggler Near Surface, white body with red head, w't 15 pwt.,
per dozen.....JGBJ $12.00

SPECIAL EXPERT.



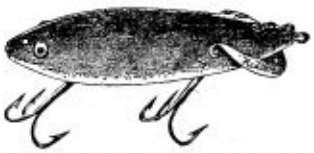
Two Nickel Plated, Semi-Weedless 4½ in., ½ oz. Body, in Colors Given Below.

No. 200SW—White body, nickeled brass collar and blue snout.
per dozen.....JHAE $13.60

No. 200SF—Frog finish.
per dozen.....JHAE $13.60

The original "Dowagiac" surface casting or skittering bait without revolving parts.

ONE IN A BOX.



No. 1800 Series—New crab wiggler, length 4 in., w't 1 oz.,
per dozen.....JHAE $13.60

No. 1800—Fancy green back.

No. 1802—White body with red head.

No. 1809-C—Imitation crab.

This bait is painted in close resemblance to a fresh water crab or crawfish, floats when not in motion, dives under water when retrieved, the movement being a pronounced wiggle, simulating movement of crab when moving backwards, away from danger; bait is drawn through water tail first. Has patented variable line fishing device to regulate action of bait. Is a floating, diving, darting minnow.

EDGREN MINNOWS.



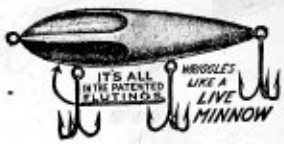
No. 1—Small size, high grade, cold rolled steel, highly nickeled, spinning on a center with hooks always directly following, 2½ in. from tip to tail of minnow, w't per doz. 14 oz., per dozen.....EDJ $9.00

No. 2—Minnow, 2¾ in. long, otherwise same as No. 1, w't per doz. 16 oz., per dozen.....JFEJ $10.80

For casting or trolling, very lifelike and a great fish getter. Screw motion forces away all weeds and grass. Exceptionally well constructed, cannot break, bend, warp or rust.

ONE IN A BOX.

WILSON'S WOBBLER BAITS.



FLUTED.

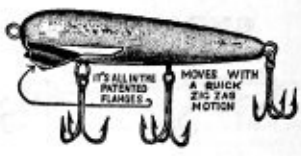
Three Treble Hooks, W't One Oz.

No. 501—White, per dozen JGBJ $12.00

No. 502—Luminous,
per dozen.....JGBJ $12.00

No. 504—Red, per dozen JGBJ 12.00

No. 505—Yellow, red flutings,
per dozen.....JGBJ 12.00



FLANGED.

No. 5005—White with red flanges, three treble hooks, w't 1¼ oz.,
per dozen.....JGBJ $12.00

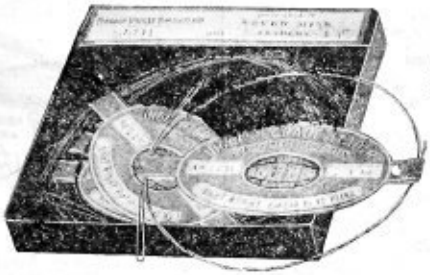
These baits have the darting motion of a live minnow and dive when pulled through the water, rising to the surface when not in motion. The flanged wobbler is practically weedless. Expert fishermen pronounce it the best game fish killer ever invented.

ONE IN A BOX; TWELVE IN A CARTON.

GUT AND WIRE LEADERS.

NEVER-MISS.

Best Imported Stock



Extra Special Selected, Round, Perfect, Strong.

Highest Grade Trout and Bass Silk Worm Gut Leaders, A "Never-Miss" Label on Each Leader.

No. M231—"Never-Miss," medium, single gut, one yard, one dropper loop for sizes eight and ten hook, per dozen .....**AHJ** $3.00

No. L231—"Never-Miss," light, single gut, one yard, one dropper loop for sizes ten and twelve hook, per dozen .....**AHJ** $3.00

"Never-Miss" leaders are intended to satisfy the high class fisherman who wants only the best. Each leader is labeled individually with an attractive gold and red label. 12 leaders packed in a neat suitable box.

REVONOC TROUT.



Single Gut.

No. 241 REVONOC—One yard, extra selested highest quality, per dozen .....**AAE** $1.70

No. 242 REVONOC—Two yards, extra selected highest quality, per dozen .....**BCJ** $3.40

No. 251 REVONOC—One yard, superior selected quality, per dozen **JHE** $1.20

No. 252 REVONOC—Two yards, superior selected .....per dozen **AGE** $2.40

No. 261 REVONOC—One yard, selected quality .....per dozen **DE** $0.60

No. 262 REVONOC—Two yards, selected quality .....per dozen **JHE** $1.20

ONE ON A CARD; ONE DOZEN IN A BOX.

CRUSO SINGLE GUT.

No. 271—Cruso, one yard, first quality, per dozen .....**BJ** $0.30

No. 272—Cruso, two yds., first quality, per dozen .....**DE** $0.60

ONE DOZEN IN AN ENVELOPE.

REVONOC BASS.



Double Gut.

No. 2241 REVONOC—One yard, extra selected quality..per dozen **BCJ** $3.40

No. 2251 REVONOC—One yard, superior selected quality..per dozen **ADE** $2.40

No. 2252 REVONOC—Two yards, superior selected quality, per doz. **BIJ** $4.80

No. 2261 REVONOC—One yard, selected quality .....per dozen **JHE** $1.20

No. 2262 REVONOC—Two yards, selected quality .....per dozen **AGE** $2.40

ONE ON A CARD; ONE DOZEN IN A BOX.

CRUSO DOUBLE GUT.

No. 2271—Cruso, one yard, first quality, per dozen .....**DE** $0.60

No. 2272—Cruso, two yards, first quality .....per dozen **JHE** $1.00

ONE DOZEN IN AN ENVELOPE.

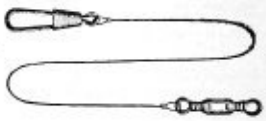
SILK WORM GUT.



No. E—Regular, 9½ in., per thousand .....**BAE** $3.60

100 IN A HANK; 1000 IN A BUNDLE.

BRONZE WIRE.



Piano Wire Steel, Patent Snap on One End and Swivel on the Other.

Nos.	L225	L227	L222
Length, in.	6	10	18
Per dozen	$1.50	1.50	1.50
	JIJ	JIJ	JIJ

REVONOC BLACK AND GOLD.



Hard Braided Black and Gold Cotton, Twenty-Five Yards on a Card.

No. 1316 REVONOC—Size 6, per dozen cards .....**AAE** $1.90

No. 1314 REVONOC—size 4, per dozen cards .....**AAE** $1.90

No. 1310 REVONOC—Size 0, per dozen cards .....**AGJ** $2.80

ONE DOZEN IN A BOX.

FISH LINES, SEINE TWINE AND TROT LINES.

DOUBLE BRAIDED.



Pure Italian Silk, Black and White.

No. 205—Size 5, tested strength 20 lbs. .....per 100 yards **BAJ** $3.50

No. 254—Size 4, tested strength 25 lbs. .....per 100 yards **BDJ** $4.00

This is one silk line braided over another, making the strongest line that can be obtained.

FIFTY YARDS ON A SPOOL, TWO CONNECTED, ONE HUNDRED YARDS IN A BOX.

SILVER SHEEN KINGFISHER.



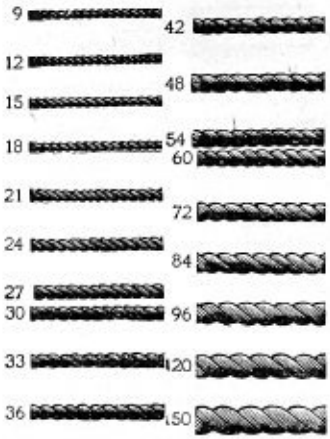
Hard, Close Braided, Fifty Yards on a Spool.

No. 15—15 lb. test, per 100 yards .....**AFE** $2.74

No. 25—25 lb. test, per 100 yards .....**BJE** 3.40

A beautiful line made to wear, for endurance not speed.

SEINE TWINE.



In Five Pound Bundles.

Medium, sizes 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 42, 48, 54, 60, 72, 84, 96, 120 and 150 .....per pound $

Hard, sizes 15, 24, 30, 36, 42, 48, 60, 72, 84, 96, 120 and 150, per pound.....$

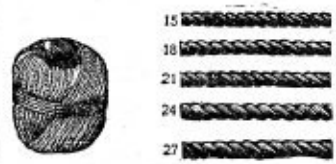
WE DO NOT BREAK BUNDLES.

In Half Pound Balls.

Medium, sizes 9, 12, 18, 24, 27, 30, 33, 36, 42, 48 and 60.....per pound $

Hard, sizes 30, 36, 42 and 48 only, per pound .....$

STAGING TWINE.



No. 12—2 oz. balls, 20 yds., per lb. $
No. 15—2 oz. balls, 20 yds., per lb.
No. 18—2 oz. balls, 20 yds., per lb.
No. 21—2 oz. balls, 20 yds., per lb.
No. 24—2 oz balls, 20 yds., per lb.
No. 27—4 oz. balls, 40 yds., per lb.

PACKED IN 5 LB. CLOTH SACKS. WE DO NOT BREAK SACKS.

TROT LINES.



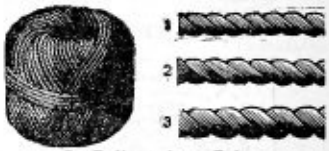
With Hooks and Staging, Complete, Ready to Attach to Line.

No. 60—St. Peters ready made, 50 yds., No. 60 medium seine twine with 50 size 2-0 hooks, per dozen **EE** $0.90

No. 84—St. Peters ready made, 50 yds., No. 84 medium seine twine with 50 size 3-0 hooks, per dozen **JFJ** $1.30

Line is fifty yards long with fifty hooks. In attaching, by looping staging to line, leave a space of three feet between each hook, which will take up the fifty hooks in the fifty yards of line. The staging is twelve inches long which gives plenty of play between each hook.

TROT LINES.



In Balls and on Tubes.

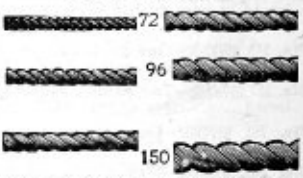
No. 1—First grade, ¾ lb. balls, 240 ft., per pound .....$

No. 2—First grade, 1 lb. balls, 185 ft., per pound .....$

No. 3—First grade, 1¼ lb. balls, 160 ft., per pound .....$

No. 2—On tubes of about 20 lbs., one continuous piece, 150 ft. to the pound, second grade only....per pound $

TROT LINES.



In Coils of Fifty Feet, Six Connected, Without Drop Lines or Hooks.

Nos.	1	3	5
Size	21	36	48
Per dozen coils	$0.72	.96	1.26
	DE	**FJ**	**JGE**
Nos.	7	9	11
Size	72	96	150
Per dozen coils	$1.76	2.36	2.96
	AJE	**ADJ**	**AGE**

FISHING LINES.

"CHICAGO MUSCALLONGE."



Braided Silk on a Large Flat Black Spool, 50 Yards on a Spool.

No. 1850.....per 100 yards BDJ $4.00
Tested strength 43 lbs.
No better line could be made.

"INVINCIBLE" WATERPROOF CASTING.



Highest quality Japan Silk, Hard Braided over a Twisted Silk Core, Waterproof, Special Finish, Color Black only, 50 Yards on a Spool, Two Connected.

No. 871—Size 1, per 100 yards AHJ $3.00
Tested strength 18 lbs.

No. 872—Size 2, per 100 yards BJJ 3.30
Tested strength 24 lbs.

"SIXTY-SIX" BLACK WATERPROOF CASTING LINE.



Hard Braided, Waterproof, Color Black Only, Put up on Large Flat White Spools, 50 Yards on a Spool, Two Spools Connected, 100 Yards in a Box.

No. 66—Size 1, per 100 yards ABJ $2.00
Tested strength 12 lbs.

No. 66—Size 2, per 100 yards ADJ 2.30
Tested strength 18 lbs.
TWO IN A BOX.

"BOTTLE BRONZE.



Bronze Mottled High Grade Silk Casting, on 50 Yard Spools, Put Up in a Bottle, Two Spools Connected.

No. 1950.....per 100 yards BEJ $4.20

Tested strength, 23 lbs.
A perfect line, put up in a manner that keeps it so.

"STANDISH" CASTING LINE.



Finest Quality Japan Silk, Solid Braided by Special Process, Color Mixture of Red, Brown and Green, 50 Yards on a Spool, Two Connected.

No. 1105—Size G, per 100 yds. AGE $2.90
Tested strength 16 lbs.

No. 1104—Size F, per 100 yds. BJE 3.40
Tested strength 23 lbs.
Very smooth and easy running. Color mixture of brown, red and green making a combination very pleasing to the eye. Fully guaranteed.

"ST. CROIX" HARD BRAIDED.



High Grade Silk, Hard Braided over a Twisted Silk Core, Olive Green, 50 Yards on a Spool Two Connected.

No. 840—Medium, per 100 yds. AFJ $2.70
Tested strength 17 lbs.
Extra care is taken in the braiding of these lines. Guaranteed.
TWO IN A BOX.

"GIANT" LINE.



Best Quality Silk, Extra Hard Braided, Color Black and White, 50 Yards on a Spool, Two Connected.

No. 1865.....per 100 yards AHJ $3.00
Tested strength 15 lbs.

"PROFESSIONAL" CASTING.



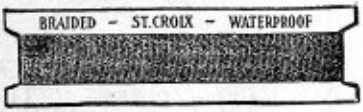
Highest Quality Japan Silk, Solid Braid, Color Black and White, Fifty Yards on a Spool, Two Connected.

Size 5. Size 4. Size 3.

No. 995—Size 5, tested strength 12 lbs., per 100 yards .....ABJ $2.00
No. 994—Size 4, tested strength 16 lbs., per 100 yards .....AEJ $2.50
No. 993—Size 3, tested strength 23 lbs., per 100 yards .....AHJ $3.00

REVONOC FISHING LINES.

ST. CROIX BRAIDED SILK.



Very Highest Quality Selected Silk, Guaranteed Waterproof, Color Very Dark Brown, Solid Braid, 25 Yards on Perforated Winder, Four Connected.

No. 1020—Size 4, tested strength 22 lbs., per 100 yards .....AIJ $3.20

100 YARDS IN A BOX.

GOGEBIC BRAIDED OILED SILK.



Highest Quality China Stock, 10 Yards on a Perforated Winder, Twelve Connected.

No. 745—Size 5, tested strength 12 lbs., per gross ..... AJHJ $18.00

Finished by an improved waterproof process, which gives it a hard and glossy finish, semi-transparent.

FIVE DOZEN IN A BOX.

BRAIDED FINISHED SILK.



Fine Quality Finished Silk, Color Green and White, 10 Yards on a Perforated Winder, Ten Connected.

No. 725—Size 5, tested strength 12 lbs., per 100 yards ..... JGJ $1.20

No. 724—Size 4, tested strength 11 lbs., per 100 yards .....JHE $1.40

No. 723—Size 3, tested strength 22 lbs., per 100 yards .....JIJ $1.50

Braided with care. Sizes very accurate.

500 YARDS IN A BOX.

"NEPIGON" BRAIDED SILK.



Highest Quality Selected Silk, Color Black and White, 25 Yards on Perforated Card, Four Connected.

No. 831—Size G, tested strength 12 lbs., per 100 yards .....AAE $1.90

No. 832—Size F, tested strength 17 lbs., per 100 yards .....ACJ $2.20

No. 833—Size E—tested strength 23 lbs., per 100 yards .....AFJ $2.70

Warranted the BEST SOLID braid casting line made. Guaranty test marked on each line.

500 YARDS IN A BOX.

RAW SILK BAIT CASTING.



25 Yards on a Block, 4 Connected.

No. 1755—Size 5, tested strength 13 lbs., per 100 yards .....JIE $1.60

No. 1754—Size 4, tested strength 17 lbs., per 100 yards .....AAJ $1.80

No. 1753—Size 3, tested strength 23 lbs., per 100 yards .....ACJ $2.20

100 YARDS IN A BOX.

BRAIDED SILK.



Good Quality Silk, Braided Over a Linen Center, 25 Yards on a Block, Four Connected.

No. 705—Size 5, tested strength 20 lbs., per 100 yards.....JFJ $1.00

No. 704—Size 4, tested strength 30 lbs., per 100 yards .....JFE $1.10

No. 703—Size 3, tested strength 40 lbs., per 100 yards .....JGJ $1.20

A very strong line, good for trolling.

500 YARDS IN A BOX.

OIL SILK.



Fine Quality Selected Silk, Color Green and White, 10 Yards on a Card, Ten Connected.

No. 775—Size G, tested strength 12 lbs., per 100 yards..... JHJ $1.30

No. 774—Size F, tested strength 16 lbs., per 100 yards .....JIE $1.60

Great care is taken with the finish. This line is not sticky and hard to handle.

100 YARDS IN A BOX.

SILKALINE.



Black and White Mottled, 50 Feet on a Card, Four Connected.

No. 210—.....JGJ $1.20

Made of best material that can be obtained and runs very smooth and regular. A very strong line; not silk.

ONE DOZEN IN A BOX.



Fine Quality Cotton, Color Black and White, 50 Feet on a Black Enameled Spool, Six Connected.

No. 280—Medium .....JHE $1.40

Special braiding machines are used, making a very perfect and extra strong line.

ONE DOZEN IN A BOX.

AND REVONOC FISHING LINES.

YALE ENAMEL.



REVONOC

Best Quality Silk, Level Enameled Black and White Color, 25 Yards on a Card, Four Connected.

No. 1536—Size H, tested strength 12 lbs., per 100 yds. .....BJE $3.40

No. 1535—Size G, tested strength 17 lbs., per 100 yds. .....BJE $3.40

No. 1534—Size F, tested strength 23 lbs., per 100 yds. .....BDJ $4.00

Made of best silk to be had, with twisted silk core, waterproof finish. Very pliable and extra strong, smooth running.

"AU SABLE" ENAMEL.



REVONOC

Color Black and White, 25 Yards on a Card, Four Connected.

No. 1515—Size G, tested strength 16 lbs., per 100 yds. .....JIE $1.60

No. 1514—Size F, tested strength 23 lbs., per 100 yds. .....ABJ $2.00

One of the best enameled lines on the market, absolutely waterproof, perfect in finish and of good strength. This line is guaranteed for perfect braid and perfect finish.

100 YARDS IN A BOX.

MOCCASIN ENAMEL FISHING LINES.



Best Quality Silk, Color Brown, Resembling Very Nearly the Moccasin Snake.

No. 1 Tested strength 16 lbs., length 30 yds..... each ABJ $2.00

This is the best silk that we could procure and is enameled by one of the oldest fish line makers in the country, it has a special finish, is especially strong and the enamel is smooth and absolutely guaranteed in every way. The labeling and containers are in keeping with the high quality of the line.

ONE LINE IN A SEALED PARAFFINE ENVELOPE IN A BOX.

SALINE ENAMEL.



Front

REVONOC

Solid Braid High Quality Silk, 25 Yards on a Card, Four Connected.

No. 1566—Size H, tested strength 12 lbs., per 100 yds. .....BJJ $3.30

No. 1565—Size G, tested strength 17 lbs., per 100 yds. .....BAE $3.60

Made in the popular medium dark pattern. The finish is a novelty in enamels—transparent, tough, elastic. Enamel makes them proof against all alkalies or saline matter in the water.

100 YARDS IN A BOX.

"OCTOROON" ENAMEL.



REVONOC

Highest Quality Japan Silk, Color Brown or Russet with Black Mottling, 25 Yards on a Card, Four Connected.

No. 1576—Size H, tested strength 15 lbs., per 100 yds. .....BGJ $4.50

Hard braided and perfectly round. Waterproofed and enameled, very flexible and soft but tough and good for either salt or fresh water.

100 YARDS IN A BOX.

"BLACK KING."



REVONOC

Pure Japan Silk, Special Waterproof Finish, Black Color, 25 Yards on a Card, Four Connected.

No. 1077—Size H, tested strentgh 14 lbs., per 100 yds. .....ABE $2.10

No. 1066—Size G, tested strength 18 lbs., per 100 lbs. .....ADE $2.40

No. 1055—Size F, tested strength 24 lbs., per 100 yds. .....AHJ $3.00

Special braid with twisted silk core. Extra strong and durable.

100 YARDS IN A BOX.

FISHING LINES.

BRAIDED CUTTYHUNK.



REV-O-NOC

Choicest Silver Green Flax, 50 Yards on a Spool, Two Connected.

Nos.	416	419	422
Size	6	9	12
Tested strength, lbs.	12	18	24
Per dozen	$8.00	9.00	10.00
	DHJ	EDJ	JFJJ

TWO SPOOLS IN A BOX.

SPECIAL TARPON.

200 Yards, 50 Yards on a Spool, Four Connected, Highest Grade Silver Green Flax.

No. 425 REV-O-NOC—Size 15, tested strength 30 lbs. .....per dozen JGBJ $12.00

Hand made, strength and durability guaranteed. Braided with great care and is a very even and smooth line.

FOUR SPOOLS IN A BOX.

LINEN TROUT AND BASS.



REV-O-NOC

Good Quality Hand Spun Linen, Whitish Brown Color, 50 Feet on a Black Enamel Spool, Six Connected.

No. 412—Size 12....per dozen JIE $1.60

This line is twisted perfectly round nd smooth.

NE DOZEN IN A BOX. WE DO NOT BREAK BOXES.

BRAIDED LINEN.



REV-O-NOC

Fine Quality Irish Linen, Assorted Colors, 25 Yards on a Card, Four Connected.

Nos.	573	574	575	576
Size	3	4	5	6
Per 100 yds.	$0.70	.70	.70	.70
	FJ	FJ	FJ	FJ

Extra care has been taken in hardening so as to make a very smooth and perfect line.

300 YARDS IN A BOX.

HARD BRAIDED LINEN.



REV-O-NOC

Best Quality Irish Linen Braided Over a Linen Center, Extra Fine Finish, Assorted Colors, 25 Yards on a Card, Four Connected.

Nos.	583	584	585	586
Size	3	4	5	6
Per 100 yds.	$1.00	1.00	1.00	1.00
	JFJ	JFJ	JFJ	JFJ

A very strong line especially adapted for trolling.

300 YARDS IN A BOX.

BRAIDED IRISH LINEN IN COILS.

REV-O-NOC

Nos.	681	683	685
Size	1	3	5
Per 100 yds.	$1.00	$1.00	1.00
	JFJ	JFJ	JFJ

100 YARDS IN A COIL, 500 YARDS IN A BOX.

BRAIDED LINEN.



REV-O-NOC

Fine Quality Irish Linen, Assorted Colors, 25 yards on a Block, Four Connected.

Nos.	563	564	565	566
Size	3	4	5	6
Per 100 yds.	$0.66	.66	.66	.66
	FJ	FJ	FJ	FJ

500 YARDS IN A BOX.

BRAIDED BLACK LINEN.



REV-O-NOC

Best Quality Selected Irish Linen, Color Black, 25 Yards on a Block, Four Connected.

Nos.	594	595	596
Size	4	5	6
Per 100 yds.	$0.70	.70	.70
	FJ	FJ	FJ

Great care is taken in braiding this line.

500 YARDS IN A BOX.



25 Feet in a Coil, Sewed One on a Card, Two Coils Connected.

No. 666—White cotton, linen finish, per dozen .....each DJ $0.70

TWO DOZEN COILS IN A BOX. WE DO NOT BREAK BOXES.

FISHING LINES.



REVONOC

Genuine Imported Irish Linen Stock, Waterproof Finish, Green Color, 50 Feet on a Card, Six Connected.

No.	349	352	355
Size	9	12	15
Tested st'gt'h, lbs.	18	24	30
Per gross	$15.60	16.50	17.20
	ABBE	ABIE	ADDJ

This line is made of the genuine imported Irish linen stock and the twist is very smooth.

ONE DOZEN IN A BOX.

IRISH LINEN REEL.



REVONOC

Selected Irish Flax, Gray Color, 50 Feet on a Card, Six Connected.

No.	306	309
Size	6	9
Per gross	$12.00	13.20
	JHIE	JIHJ
No.	312	315
Size	12	15
Per gross	$14.40	16.80
	AJAJ	AJHJ

ONE DOZEN IN A BOX.

NONE SUCH BASS.



REVONOC

High Grade Twisted Irish Flax, Natural Color, 50 Feet on a Card, Six Connected.

No. 301—Size 1..per gross GJJ $8.00
No. 302—Size 2..per gross JGBJ 10.00

This line is very hard and evenly twisted by reverse method to prevent kinking.

ONE DOZEN IN A BOX.

BRAIDED SEA ISLAND COTTON.



REVONOC

Genuine Combed Sea Island Cotton Stock, Assorted Colors, 25 Yards on a Block, Four Connected.

No.	526	525	524
Size	6	5	4
Per 100 yds.	$0.44	.44	.44
	BE	BE	BE
No.	523	522	
Size	3	2	
Per 100 yds.	$0.44	.44	
	BE	BE	

Perfect braid and sizes accurate.

500 YARDS IN A BOX.

REVONOC EMERALD SILK.



Braided Green and White Silk, 50 Yards on a Spool, Two Spools Connected.

No. 875—Size 5, tested strength 17 lbs., per hundred yards .....JHE $1.40

No. 874—Size 4, tested strength 24 lbs., per hundred yards .....AAJ $1.80

TWO IN A BOX.

REVONOC WOLF LAKE SILK-ALINE.



Black and Green Mottled, 50 Feet on a Spool, Two Spools Connected, One Dozen in a Box.

No. 281—Size, Medium, per gross spools .....ADDJ $24.00

ONE DOZEN SPOOLS IN A BOX.

"MUSCOKEE" CASTING.



REVONOC

High Grade Selected Silk, Color Black and White, 50 Yards on a Spool, Two Connected.

No. 855—Size G, tested strength 10 lbs., per 100 yards .....AJJ $1.70

TWO IN A BOX.

SEA GRASS.



In Hanks of 25 Feet, 12 Connected.

No. 292—Size 2, tested strength 16 lbs., per gross .....JIJJ $15.00

No. 293—Size 3, tested strength 12 lbs., per gross .....AJHJ $18.00

ONE-HALF GROSS IN A BOX.

FISHING LINES.

LITTLE JAP, MARTIN'S KINGFISHER.

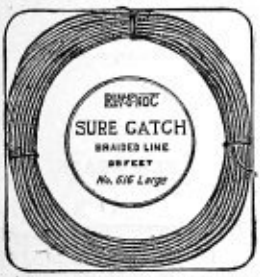


Oriental Japanese Braided Silk, 25 Yards on a Spool.

No. 807—Tested strength 12 lbs., size 6, per 100 yards ..... J I J $1.50

No. 808—Tested strength 16 lbs., size 4, per 100 yards ..... A A J $1.80

REVONOC SURE CATCH BRAIDED.



Green Color, 25 Feet on a Card, Twelve Connected.

No. 616—Large ....per gross D H J $8.00

No. 614—Medium .per gross D H J 8.00

No. 612—Small. ...per gross D H J 8.00

ONE DOZEN IN A BOX.

GENUINE REVONOC DONEGAL CUTTY HUNK.



Twisted Pure Irish Flax, 50 Yards on a Spool, Two Connected.

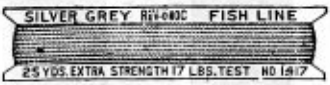
No. 369—Size 9...per dozen C D J $6.00
Tested Strength 18 lbs.

No. 372—Size 12..per dozen C H E 7.20
Tested strength 24 lbs.

No. 375—Size 15..per dozen D E J 8.40
Tested strength 30 lbs.

IN STOCK IN TWO COLORS, GRAY OR GREEN. ONE DOZEN IN A BOX.

"REV-O-NOC" "SILVER GREY" BRAIDED LINEN.



Silver Grey Color, 25 Yards on a Block, Four Blocks Connected in a Box.

		Per 100 yards.
No. 1417—Medium	E J	$0.80
Tested strength 17 lbs.		
No. 1423—Large	E J	.80
Tested strength 23 lbs.		

BLACK AND WHITE BRAIDED CASTING SILK.



25 Yards on a Spool, 4 Connected, 12 Spools in a Box.

No. 23—Size 1

per hundred yards ..... J F J $1.00
Tested strength 15 lbs.

50 Yards on Spool, 100 Yards in a Box.

No. 24—Size 1

per hundred yards ..... A J J $1.70
Tested strength 18 lbs.

ONE HUNDRED YARDS IN A BOX.

KINGFISHER SALTENE ENAMEL.



High Quality Silk, Color Gray with Black Check.

No. 1226—Size H, per 100 yds. A F J $2.68
Tested strength 14 lbs.

No. 1225—Size G, per 100 yds. A H E 3.08
Tested strength 16 lbs.

No. 1224—Size F, per 100 yds. B A J 3.48
Tested strength 18 lbs.

TWENTY-FIVE YARDS ON A CARD; FOUR CARDS CONNECTED IN A BOX.

KINGFISHER RUSSET ENAMEL.



Choicest Japan Silk, Russet Color, with Black Checks.

No. 1126—Size H, per 100 yds. B J E $3.40
Tested strength 14 lbs.

No. 1125—Size G, per 100 yds. B E J 4.20
Tested strength 16 lbs.

TWENTY-FIVE YARDS ON A CARD; FOUR CARDS CONNECTED IN A BOX.

KINGFISHER MIST COLOR ENAMEL.



Highest Quality Silk, Mist Color.

No. 1426—Size H, per 100 yds. B J E $3.40
Tester strength 14 lbs.

No. 1425—Size G, per 100 yds. B E J 4.20
Tested strength 16 lbs.

No. 1424—Size F, per 100 yds. C J E 5.08
Tested strength 21 lbs.

TWENTY-FIVE YARDS ON A CARD; FOUR CARDS CONNECTED IN A BOX.

MARTINS' "KINGFISHER" LINES.

ITALIAN SILK CASTING AND TROLLING.



High Grade Italian Silk, Tan and Green Stripe, 50 Yards on a Patent Winder, Two Connected.

No. 815—Size 5, tested strength 12 lbs., per 100 yds. .....ACE $2.28
No. 814—Size 4, tested strength 18 lbs., per 100 yds. .....AFE $2.74
No. 813—Size 3, tested strength 25 lbs., per 100 yds. .....BJE $3.44

Great care is taken in braiding this line and the special braid makes it very strong. 100 YARDS IN A BOX.

SLICKEST CASTING.



Finest Quality Japan Silk, Solid Braid, Color Mixture of Brown, Red and Green, 50 Yards on a Spool, Two Connected.

No. 805—Size G, tested strength 16 lbs., per 100 yds. .....AEE $2.60

MUSCALLONGE.



Finest Quality Silk, Braided Over a Twisted Silk Center, Color Black and White, 50 Yards on a Spool, Two Connected.

No. 850—Tested strength, 40 lbs., per 100 yds. ..... BGJ $4.54

TWO IN A BOX.

GREEN AND BRONZE KING.



Highest Quality Silk, Closely Braided

Green King, Green Color.

No. 1895—Size A, tested strength 12 lbs., per 100 yds. .....AJJ $1.70
No. 1894—Size B, tested strength 16 lbs., per 100 yds. .....ABJ $2.00

Bronze King, Bronze Color.

No. 1795—Size A, tested strength 12 lbs., per 100 yds. .....AJJ $1.70
No. 1794—Size B, tested strength 16 lbs., per 100 yds. .....ABJ $2.00

500 YARD SPOOLS, TWO SPOOLS IN A BOX.

HARD BRAIDED.



Best Quality Silk, Extra Hard Braided, Color Black and White, 50 Yards on a Spool, Two Connected.

No. 865—Size 5, tested strength 15 lbs., per 100 yds. .....AEE $2.60
No. 864—Size 4, tested strength 20 lbs., per 100 yds. .....AHE $3.72

Made for those wanting an extremely hard braided line of gigantic strength for bait casting and general lake fishing.

TWO IN A BOX.

SPECIAL TROUT.



Fine Quality Silk, Waterproof, 10 Yards on a Card, Ten Connected.

No. 1525—Russet, with black stripe, tested strength 10 lbs., per 100 yds. .....AEE $2.58
No. 1205—Gray, with black stripe, tested strength 10 lbs., per 100 yds. .....ACJ $2.14

100 YARDS IN A BOX.

BAIT CASTING.



High Grade Japan Silk, Solid Braid, Color Black and White, 50 Yards on a Spool, Two Connected.

No. 895—Size 5, tested strength 12 lbs., per 100 yds. .....ACJ $2.14
No. 894—Size 4, tested strength 16 lbs., per 100 yds. .....AEJ $2.52
No. 893—Size 3, tested strength 23 lbs., per 100 yds. .....AIJ $3.20

An excellent line for casting.

TWO IN A BOX.

WATERPROOF.

Best Japan Silk, Solid Black and White Braid, Treated with Patent Absolutely Waterproof Finish.

No. 8895—Size 5, tested strength 12 lbs., per 100 yds. .....ADJ $2.36
No. 8894—Size 4, tested strength 16 lbs., per 100 yds. .....AFE $2.74

This patent waterproof finish adds greatly to life of line but has no effect on softness and flexibility so essential to the ideal casting line.

PATOMAC BASS.



Very Choice Silk, 25 Yards on a Card, Four Connected.

1203—Tested strength 23 lbs., per 100 yds. ..... ADJ $2.32

100 YARDS IN A BOX.

FISHING LINES.

Entire page DJ%

TABLE OF SIZES.

Twisted.

Size 1
Size 2
Size 3
Size 4
Size 5
Size 6
Size 7
Size 8
Size 9
Size 10
Size 11
Size 12
Size 13
Size 14

Braided.

Size 6
Size 5
Size 4
Size 3
Size 2
Size 1
Size 0
Size 2-0
Size 3-0

CRUSO EUREKA COTTON.



Twisted, in Hanks of 15 Feet, 12 Connected.

Nos.	101	102	103	104
Sizes	1	2	3	4
Per gross	$1.20	1.30	1.45	1.60
Nos.	**105**	**106**	**107**	**108**
Sizes	5	6	7	8
Per gross	$1.80	2.10	2.30	2.60
No.				**110**
Sizes				10
Per gross				$3.40

ONE-HALF GROSS IN A BOX.

WHITE COTTON.

Twisted, In Hanks of 20 Feet, 12 Connected.

Nos.	111	112	113	114
Sizes	1	2	3	4
Per gross	$1.20	1.40	1.50	1.70
Nos.	**115**	**116**	**117**	**118**
Sizes	5	6	7	8
Per gross	$1.80	2.10	2.40	2.70
Nos.	**119**	**120**	**121**	**122**
Sizes	9	10	11	12
Per gross	$3.00	3.50	3.90	4.30
Nos.			**123**	**124**
Sizes			13	14
Per gross			$5.30	5.70

ONE-HALF GROSS IN A BOX.

REVONOC BRAIDED SEA ISLAND COTTON.

Genuine Combed Sea Island Cotton in Hanks of 15 Feet, 12 Connected.

Nos.	506	505	504
Sizes	6	5	4
Per gross	$3.40	3.40	3.40
Nos.	**503**		**502**
Sizes	3		2
Per gross	$3.40		3.40

ONE-HALF GROSS IN A BOX.

In Hanks of 25 Feet, 12 Connected.

Nos.	516	515	514
Sizes	6	5	4
Per gross	$5.00	5.00	5.00
Nos.	**513**		**512**
Sizes	3		2
Per gross	$5.00		5.00

Perfect in finish and color.

ONE-HALF GROSS IN A BOX.

REVONOC OLD RELIABLE BRAIDED COTTON.



Three Ply Combed Sea Island Cotton, Dark Ecru and Ecru and Green Mottled, in Hanks of 84 feet, full length, 6 Connected.

Nos.	535	534	533	532
Sizes	5	4	3	2
Per gross	$12.00	12.00	12.00	15.60
Nos.	**531**	**530**	**530½**	**530¾**
Sizes	1	0	2-0	3-0
Per gross	$18.00	20.40	24.00	27.20

ONE DOZEN IN A BOX.

CRUSO HAND MADE BROWN LINEN.



Twisted, Genuine Linen Stock, Natural Flax Color, in Hanks of 15 Feet, 12 Connected.

Nos.	131	132	133	134
Sizes	1	2	3	4
Per gross	$2.40	2.70	2.70	2.80
Nos.		**135**	**136**	**137**
Sizes		5	6	7
Per gross		$3.60	4.20	4.70

ONE-HALF GROSS IN A BOX.

Genuine Linen Stock, Natural Flax Color, in Hanks of 25 Feet, 12 Connected.

Nos.	141	142	143	144
Sizes	1	2	3	4
Per gross	$3.80	4.00	4.60	4.70
Nos.		**145**	**146**	**147**
Sizes		5	6	7
Per gross		$5.70	6.80	7.80

ONE-HALF GROSS IN A BOX.

BRAIDED IRISH LINEN.

Finest Quality Irish Linen, Assorted Colors, in Hanks of 25 Feet, 12 Connected.

Nos.	556	555	554
Sizes	6	5	4
Per gross	$9.00	9.00	9.00
Nos.	**553**		**552**
Sizes	3		2
Per gross	$9.00		9.00

This line is smooth and perfect.

ONE-HALF GROSS IN A BOX.

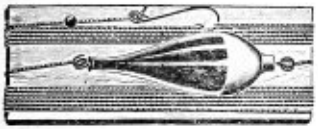
FURNISHED LINES.



No. F-2—12 ft. drab cotton line, 1¾ in. one color float, No. 1 Kirby ringed hook, shot sinker, stained wood winder .....per gross **BAE** $3.60
ONE-QUARTER GROSS IN A BOX.



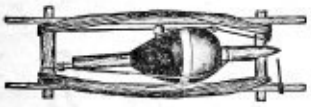
No. 9—Cruso, 12 ft. drab cotton line, 1½ in. three colored adjustable wood egg float, No. 1 Kirby ringed hook, shot sinker, patent winder,
per gross .....**BIJ** $4.80
ONE-QUARTER GROSS IN A BOX.



No. 4 REVENGE—12 ft. drab cotton line, 1¾ in. three colored patent adjustable wood egg float, No. 1-0 Kirby ringed hook, shot sinker, stained flat winder,
per gross .....**CFJ** $6.00
ONE-TWELFTH GROSS IN A BOX.



No. 8—15 ft. green cable line, patent adjustable float, No. 1-0 Kirby hook on double gut, shot sinker, on black enamel reel....per gross **JFBE** $10.40
ONE-QUARTER GROSS IN A BOX.



No. 5 REVENGE—15 ft. drab cotton line, 1½ in. three colored adjustable wood egg float, No. 1-0 Kirby ringed hook, shot sinker, new style reel winder,
per gross .....**DCJ** $7.20
ONE-QUARTER GROSS IN A BOX.



No. 7½—30 ft.cable line, Kirby hook, split shot sinker, per gro. **EDE** $9.12

No. 13—15 ft. gray color braided linen, double snelled hook, adjustable sinker, 1¾ in. polished cork ball float, on black enamel acorn reel winder, per gross .....**JHAJ** $13.50
ONE-TWELFTH GROSS IN A BOX.



No. F102—15 ft. green line, assorted egg and barrel adjustable wood floats, No. 1-0 Kirby hook on double gut, patent adjustable sinker, black enameled reel winder,
per gross .....**JGBE** $10.40
ONE-TWELFTH GROSS IN A BOX.



No. 10 REVENGE—15 ft. hard twisted cotton line, assorted egg and barrel adjustable floats, No. 1-0 Kirby hook on double gut, adjustable sinker, black enameled reel winder,
per gross .....**JGBJ** $12.00

No. 12—15 ft. braided black and white silkaline line, assorted egg and barrel adjustable floats, No. 1-0 Kirby hook on double gut, adjustable sinker, enameled reel winder,
per gross .....**AJAJ** $16.80

No. 16—15 ft. black and white mottled braided silk, double gut snelled hook, 2½ in. barrel shaped, black striped adjustable float, on black enameled acorn reel winder,
per gross .....**AECJ** $25.50
ONE-TWELFTH GROSS IN A BOX.



No. 19—25 ft. finest quality braided mottled black and white silk line, snelled hook, 3 split shot sinkers, cork and quill egg shaped float, enameled green and white, on a patent black enameled winder,
per gross .....**BGJJ** $45.00



No. 260½—15 ft. braided linen, mottled green and brown, snelled hook, No. 1 adjustable ringed sinker, 2¼ in. barrel natural finish adjustable cork floats assorted, on white enameled acorn reel winder,
per gross .....**ABIE** $21.60

No. 17—15 ft. green linen line, very highly polished, snelled hook, adjustable sinker, barrel fancy troped float, on white enameled acorn reel winder,
per gross .....**ABIE** $21.60
ONE-TWELFTH GROSS IN A BOX.

WE DO NOT BREAK BOXES.



No. 21—15 ft. imitation silk line, mottled black and white, snelled hook, adjustable ringed sinker, barrel three color float, on a white enameled acorn reel winder....per gross **ABAE** $20.25
ONE-TWELFTH GROSS IN A BOX.



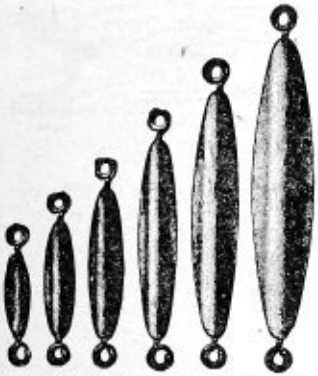
No. 150½—25 ft. undressed Eureka line, Kirby hook, egg sinker on frame, reel winder .....per gross **CFJ** $6.00
ONE-SIXTH GROSS IN A BOX.

No. 157—30 ft. green cable line, egg sinker, ringed hook on a reel winder,
per gross .....**DAE** $6.90
ONE-TWELFTH GROSS IN A BOX.



No. 176—30 ft. green linen line, double snelled hook, adjustable sinker, adjustable three color float, on a black enameled reel winder,
per gross .....**JFEJ** $10.80
ONE-TWELFTH GROSS IN A BOX.

SINKERS.



No. 1 No. 2 No. 4 No. 5 No. 6 No. 8

Cuts full size.

REVONOC

Adjustable, Spiral Spring, Round Lead Body, Full Weight.

Sizes	1	2	3
No. 200 REVONOC—			
per gross	$0.86	1.06	1.32
	EJ	FE	JHJ
Sizes	**4**	**5**	**6**
No. 200 REVONOC—			
per gross	$1.48	1.88	2.12
	JIJ	AAE	ABE
Sizes	**7**	**8**	**9**
No. 200 REVONOC—			
per gross	$2.65	3.70	4.55
	AFJ	BBJ	BGE
Sizes		**10**	**11**
No. 200 REVONOC—Per gross		$6.10	7.70
		CFE	DFE

SIZES 1 TO 7, ONE GROSS; SIZES 8 TO 10, ONE-HALF GROSS; SIZE 11, ONE-QUARTER GROSS IN A BOX.

Cruso.

Common Ringed, Round Lead Body, Full Weight.

Sizes	1	2	3
No. 300—Cruso,			
per gross	$0.80	.95	1.20
	EJ	EE	JGJ
Sizes	**4**	**5**	**6**
No. 300—Cruso,			
per gross	$1.36	1.68	1.92
	JHJ	AJJ	AAE
Sizes	**7**	**8**	**9**
No. 300—Cruso,			
per gross	$2.40	3.32	4.20
	ADE	BBJ	BEJ
Sizes	**10**	**11**	**12**
No. 300—Cruso,			
per gross	$5.60	7.00	9.30
	CCE	DBJ	EEE

SIZES 1 TO 7, ONE GROSS; SIZES 8 TO 10, ONE-HALF GROSS; SIZES 11 AND 12, ONE-QUARTER GROSS IN A BOX.



No. 0 No. 1. No. 3 No. 4 No. 8

Cuts full size.

Rangley, Soft Lead, Grooved.

Sizes	0	1	2	3
Length, in...	⅝	¾	⅞	1⅛
No. 100—				
per gross..	$0.72	.84	1.08	1.40
	DJ	EJ	FE	JHE
Sizes	**4**	**5**	**6**	**7**
Length, in...	1¼	1½	1⅝	1⅞
No. 100—				
per gross..	$1.72	2.04	2.62	3.08
	AJE	ABJ	AEE	AHE
Sizes		**8**	**9**	**10**
Length, in.		2	2¼	2¾
No. 100—Per gross.		$3.50	4.20	5.25
		BAJ	BEJ	CAE

SIZES 0 TO 5, ONE GROSS; SIZES 6 TO 10, ONE-HALF GROSS IN A BOX.



No. 26.

Egg, Full Weight, Lead, Hole Through Center.

Nos.	28	27	26
W't each, oz.	½	1	1⅛
Length, in.	⅝	¾	1
Per gross	$2.05	3.70	4.80
	ABJ	BBJ	BIJ
Nos.		**25**	**24**
W't each, oz.		2	3¼
Length, in.		1⅛	1¾
Per gross		$6.25	8.50
		CGE	EAJ

NOS. 28 TO 24 EGG, 216 NON-KINKING, IN BULK.



No. 6.

Cut Three-fourths size.

Bank, Lead, for Throw Lines and Trolleys.

Nos.	6	4	2
W't each, oz..	4	6¼	9
Length, in. ...	2½	3	3½
Per gross	$13.25	18.40	27.20
	JGIE	AAJE	AFCJ



REVONOC

REVONOC—BB shot, 19 in a box, per gross boxes ..... **BAJ** $3.50

No. 7 REVONOC—Buck shot, 12 in a box, per gross boxes ..... **CFE** $6.10

BB, THREE DOZEN; BUCK, ONE DOZEN IN A CARTON.

WE DO NOT BREAK BOXES.



No. 10. No. 6.

Bass Casting Brass Loop, Lead.

Nos.	10	8	6	5
W't each, oz.	3/32	⅛	⅛	⅛
Per gross ...	$8.00	8.00	8.70	8.70
	DHJ	DHJ	EBJ	EBJ
Nos.		**3**		**1**
W't each, oz.		1¼		3
Per gross		$10.40		14.00
		JFBE		JHDJ

NOS. 10 TO 7, SIX DOZEN; NOS. 6 AND 5, THREE DOZEN; BALANCE, ONE DOZEN IN A BOX.



Trolley.

No. 345—Single lead, with brass trolley wheel and loops, without line, w't 6 oz. .....per dozen **AAJ** $1.80

No. 346—Double trolley, w't 6½ oz., with two trolley wheels, otherwise same as No. 345 .....per dozen **BJJ** $3.30

ONE-THIRD DOZEN IN A BOX.



No. 344.

No. 344—Double trolley, can be opened by pushing arm out, brass fork and pulleys, w't per doz. 5¼ lbs., per dozen ..... **BGJ** $4.50



No. 349.

No. 349—Triple trolley, can be opened by pushing lever to one side, three brass pulleys, w't per doz. 7½ lbs., per dozen .....**CFJ** $6.00

The latest and best trolley made, the middle pulley catches line below when pulling up, thus preventing line from cutting in corner of fork and saving the line.

ONE DOZEN IN A BOX.

FLOATS.



No. 4—1½ in., 2 colors, wood, egg shape, painted and varnished, with stick, per gross ..... AEJ $2.50

THREE DOZEN IN A BOX.



Excelsior, Wood, Egg Shape, Painted in Three Colors and Varnished.

Nos.	41	42	43
Sizes, in.	1¼	2	2¼
Per gross	$3.00	3.50	4.20
	AHJ	BAJ	BEJ

NOS. 41 AND 42, THREE DOZEN IN A BOX; NO. 43, ONE DOZEN IN A BOX.



Adjustable, Wood, Egg Shape, Two Colors.

Nos.	62	63	64
Sizes, in.	2	2¼	2½
Per gross	$3.30	3.60	4.00
	BJJ	BAE	BDJ



Adjustable, Wood, Barrel Shape, Two Colors.

Nos.	72	73
Sizes, in.	3	3½
Per gross	$3.30	3.70
	BJJ	BBJ

THREE DOZEN IN A BOX.



Cruso.

Cork, Unbound, Egg Shape, Adjustable, Two Colors, Varnished.

Nos.—Cruso	302	303	304
Sizes, in.	1¾	2	2½
Per gross	$7.00	8.80	12.00
	DBJ	ECJ	JGBJ



Cruso.

Cork, Barrel Shape, Adjustable, Two Colors, Varnished.

Nos.—Cruso	404	405	406
Sizes, in.	2½	3	3½
Per gross	$8.20	11.00	13.80
	DIJ	JFFJ	JHCJ

ONE DOZEN IN A BOX.



Cork Balls, Unpainted.

Nos.	503	504	505
Sizes, in.	1¼	1¼	1¾
Per gross	$4.80	5.52	6.00
	BIJ	CCJ	CFJ

Nos.	506	507	508
Sizes, in.	1½	1¾	1¾
Per gross	$7.20	9.60	12.00
	DCJ	EGE	JGBJ

These floats are natural color and have a hole through center into which a peg can be forced holding line securely in any position desired.

ONE DOZEN IN A BOX.



Porcupine Quill Floats, Bound, with Ring.

Nos.	56	57	58
Sizes, in.	6	7	8
Per gross	$5.70	6.60	8.70
	CDJ	CIE	EBJ



Quill and Cork, Egg Shape.

Nos.	84	85	86
Sizes, in.	4	5	6
Per gross	$9.00	12.00	16.00
	JEDJ	JGBJ	JIFJ

ONE DOZEN IN A BOX.

WE DO NOT BREAK BOXES.



Ideal Fishing.

Simple, Effective, Better than Others, No Getting Out of Order, Plain Cork, Barrel Shape.

Nos.	5004	5005
Inches	2½	3
Per gross	$20.40	30.30
	ABBE	AHBJ

Nos.	5006	5007
Inches	3½	4
Per gross	$30.30	50.40
	AHBJ	CJBE

Painted Cork, Two Colors, Barrel Shape.

Nos.	6004	6005
Inches	2½	3
Per gross	$20.40	30.30
	ABBE	AHBJ

Nos.	6006	6007
Inches	3½	4
Per gross	$30.30	50.40
	AHBJ	CJBE

More service in one "Ideal" than in a dozen old style floats. Metal band does not break and cannot come off. Always in perfect working order. No thread to wear out.

Brown Waterproof, Painted and Plain Cork or will ship assorted.

In ordering, specify what finish you want.

2 TO 3½ IN., TWELVE IN A BOX IN TISSUE; 4 TO 6 IN., SIX IN A BOX IN TISSUE.



Redfield.

REDFIELD

Fancy Natural Ketch-Fish Floats with Redfield Patent Fasteners.

Egg Shape Cork.

Nos.	91	92
Size, in.	1	2
Per gross	$14.40	19.20
	JHFE	AAEJ

Nos.	93	94
Size, in.	2	3
Per gross	$25.20	36.00
	AEAJ	BAFJ

Barrel Shape Cork.

Nos.	991	992
Size, in.	2	3
Per gross	$19.20	21.60
	AAEJ	ABIE

Nos.	993
Size, in.	3
Per gross	$25.20
	AEAJ

With this contrivance, floats can be fastened to the line at any point without knots.

ONE DOZEN IN A BOX.

FISHING TACKLE ASSORTMENTS.

"LITTLE DEALER" FISHING TACKLE ASSORTMENTS.

No. 107—Assortment, consisting of 25 different articles and sizes in a strong and attractive box, 17½x17½ in., with hinged cover, w't 6½ lbs.....per assortment J I J J $15.00



Contents.	Retail.	Total.
600 Kirby Fish Hooks, File Point, Ringed.....2 for	$0.01	$3.00
	Each.	
50 Kirby Fish Hooks, File Point, Ringed.....$0.01		.50
200 Carlisle Fish Hooks, File Point, Ringed.....	.01	2.00
300 Cincinnati Bass Fish Hooks, File Point, Ringed.....	.01	3.00
6 Furnished Lines—Split Cane Winder.....	.05	.30
6 Furnished Lines—Cane Frame Winder.....	.10	.60
24 Ecru Eureka Lines, 15 ft. in a hank, Small.....	.01	.24
24 Ecru Eureka Lines, 15 ft. in a hank, Medium.....	.02	.48
24 Ecru Eureka Lines, 20 ft. in a hank, Large.....	.03	.72
6 Silkalette Braided Line, 50 ft. on a card.....	.10	.60
12 Variegated Braided Silk Lines, 25 ft. on a card.....	.10	1.20
3 Fishing Reels, Polished Nickel Plated, with click.....	.25	.75
3 Fishing Reels, Polished Nickel Plated, Multiplying, with Click and Drag.....	.50	1.50
6 Wood Minnows, assorted colors.....	.15	.90
6 Packages Split Shot Sinkers, small size, 2 doz. shot in a package.....	.05	.30
2 Packages Split Shot Sinkers, medium size, 1 doz. shot in a package.....	.05	.10
6 Adjustable Floats, Enameled, three colors.....	.05	.30
6 "Catch the Nibbler" Adjustable Floats—combination of Cork and Porcupine Quill.....	.10	.60
18 Snelled Hooks, Single Gut, assorted sizes.....	.02	.36
18 Snelled Hooks, Double Gut, assorted sizes.....	.02½	.45
36 Connecting Links, assorted sizes.....	.02½	.90
6 Fish Stringers, one on a card..	.05	.30
12 Line Spreaders with Swivel.....	.05	.60
6 Spoon Baits, assorted patterns and sizes.....	.10	.60
36 Ringed Sinkers, assorted sizes..	.01	.36
Total Retail Price.....		$20.66

DEALERS' FISHING TACKLE ASSORTMENTS.

No. 108—Assortment, consisting of 30 different articles and sizes including fish rods, in a strong and attractive box, 17½x17½ in., with hinged cover, w't 10 lbs.....per assortment A B J J $20.00

Contents.	Retail.	Total.
600 Kirby Fish Hooks, File point, Ringed, 2 for	$0.01	$3.00
	Each	
50 Kirby Fish Hooks, File point, Ringed.....$0.01		.50
200 Carlisle Fish Hooks, File point, Ringed.....	.01	2.00
300 Cincinnati Bass Hooks, File point, Ringed....	.01	3.00
6 Furnished Lines—Split Cane Winder.....	.05	.30
6 Furnished Lines—Cane Frame Winder.....	.10	.60
24 Ecru Eureka Lines, 15 ft. in a hank, Small..	.01	.24
24 Ecru Eureka Line, 15 in a hank, Medium....	.02	.48
24 Ecru Eureka Lines, 20 ft. in a hank, Large..	.03	.72
6 Silkalette Braided Lines, 50 ft. on a card.....	.10	.60
12 Variegated Braided Silk Lines, 25 ft. on a card	.10	1.20
3 Fishing Reels, Polished Nickel Plated, with click.....	.25	.75
3 Fishing Reels, Polished Nickel Plated, Multiplying, with Click and Drag.....	.50	1.50
6 Wood Minnows, assorted colors.....	.15	.90
6 Packages Split Shot Sinkers, small size, 2 doz. shot in a package.....	.05	.30
2 Packages Split Shot Sinkers, small size, 1 doz. shot in a package.....	.05	.10
6 Adjustable Floats, Enameled, three colors,...	$0.05	$0.30
6 "Catch the Nibbler" Adjustable Floats—combination of Cork and Porcupine Quill.....	.10	.60
18 Snelled Hooks, Single Gut, assorted sizes....	.02	.36
18 Snelled Hooks, Double Gut, assorted sizes..	.02½	.45
36 Connecting Links, assorted sizes.....	.02½	.90
6 Fish Stringers, one on a card.....	.05	.30
12 Line Spreaders with Swivel.....	.05	.60
6 Spoon Baits, assorted patterns and sizes.....	.10	.60
36 Ringed Sinkers, assorted sizes.....	.01	.36
4 Three Joint Wood Rods.....	.15	.60
4 Two Joint Bamboo Rods.....	.15	.60
3 Three Joint Bamboo Rods.....	.25	.75
2 Three Joint Bamboo Rods.....	.50	1.00
2 Three Joint Split Bamboo Rods.....	.75	1.50
Total Retail Price.....		$25.11

FISHING TACKLE ASSORTMENTS.



CONTENTS.

600 Fish Hooks, retail 2 for 1 cent	$3.00
12 Eureka Lines, retail 1 cent each	.12
12 Eureka Lines, retail 2 cents each	.24
12 Braided Lines, retail 5 cents each	.60
12 Best Trout Lines, retail 5 cents each	.60
24 Ringed Sinkers, retail 1 cent each	.24
4 Boxes Split Shot, retail 5 cents each	.20
18 Furnished Fish Lines, retail 1 cent each	.18
12 Furnished Fish Lines, retail 3 cents each	.36
8 Furnished Fish Lines, retail 5 cents each	.40
36 Snelled Hooks, retail 2 cents each	.72
12 Adjustable Floats, retail 5 cents each	.60
Total retail value	$7.26

No. 105—Excelsior, consisting of 12 different articles and sizes, in strong and attractive box, 10¼x16½ in., with hinged cover, total retail value $7.26, w't 3½ lbs., each ..... **BGJ** $4.90



CONTENTS.

8 Furnished Fish Lines, retail 5 cents each	$0.40
4 Furnished Fish Lines, retail 10 cents each	.40
10 Furnished Fish Lines, retail 3 cents each	.30
6 Furnished Fish Lines, with Float, retail 5 cents each	.30
30 Furnished Fish Lines, with Float, retail 1 cent each	.30
8 Adjustable Floats, retail 5 cents each	.40
6 Adjustable Floats, retail 10 cents each	.60
12 Braided Fish Lines, retail 5 cents each	.60
24 Eureka Lines, retail 2 cents each	.48
72 Eureka Lines, retail 1 cent each	.72
12 Trout Lines on Card, retail 5 cents each	.60
54 Ringed Sinkers, assorted, retail 1 cent each	.54
36 Snelled Hooks, retail 2 cents each	.72
200 Hooks, retail 1 cent each	2.00
600 Hooks, retail 2 for 1 cent	3.00
100 Hooks, retail 2 cents each	2.00
Total retail value	$13.36

No. 100—Imperial, comprising 16 different articles and sizes, in extra strong, attractive partitioned box, size 19x17x2¾ in., with hinged cover, w't 6¼ lbs. ..... each **EAJ** $8.00



No. AA—Individual Assortment consists of the following—
1 only No. H2 [illegible] Rod
1 only No. 8260 [illegible] Reel
2 only 25 yd. spools No. 23 Silk Line, connected
½ doz. Snelled Gut Hooks, ass't sizes.
½ doz. Sinkers
1 only No. T7 Stringers
1 only No. 12 Tackle Box
1 only No. 1821 Minnow
1 only No. 1912 Fluted Spoon Bait
1 only "A" Grade [illegible] Bass Fly
1 only No. 2261 [illegible] 1 yd. Leader
1 only No. W120 [illegible] Weedless Hooks.
W't per assortment 2½ lbs.
Total retail value ..... per asst. **DBE** $6.00

This is a special bait casting outfit.

No. AAS—Assortment with No. 677 Steel Casting Rods instead of No. H2 [illegible], otherwise same as No. AA assortment.
Total retail value ..... per asst. **DBE** $6.00



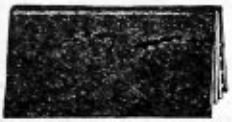
No. BB—Assortment consists of—
1 only No. 150 [illegible] Rod
1 only No. 1160 [illegible] Reel
1 only No. 535 [illegible] Fish Line
½ doz. No. 1201 Double Gut Fish Hooks
½ doz. Sinkers
1 only No. 2 Stringer
1 only No. 42 Floats
1 only No. 5 [illegible] Furnished Line.
1 only No. 11 Tackle Box
W't per assortment 2 lbs.
Total retail value ..... per asst. **AHE** $3.00

An excellent assortment for amateur fishermen.

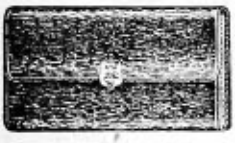
No. BBS—Assortment consists of 1 only No. 1595 Steel Rod, instead of No. 150 [illegible], otherwise same as No. BB assortment.
Total retail value ..... per asst. **AHE** $3.00

FLY TACKLE BOOKS AND BOXES.

FLY TACKLE BOOKS.



No. 10—7x3½ in., cloth covered, two parchment pockets, patent fly fasteners, holds four dozen flies, per dozen ..... **AHJ** $3.00
TWO DOZEN IN A BOX.



No. 31—7x4½ in., heavy grain leather, leather lined, nickel clasp, two pockets, two parchment leaves, with patent coil spring fastener, flannel drying leaves, holds eight dozen flies, per dozen ..... **AJAJ** $16.80
ONE IN A BOX.



No. 58—6x2½ in., vest pocket size, red leather, canvas lined, button clasp, two parchment pockets, two parchment leaves with coil wire fastener, flannel drying leaves, holds four dozen flies .....per dozen **DEJ** $7.50
ONE-HALF DOZEN IN A BOX.



No. 110—8x4 in., grain leather, canvas lined, five large and three small pockets, two parchment leaves, with strap fasteners, flannel drying leaves, holds eight dozen flies,
per dozen ..... **AFBJ** $24.00
ONE-QUARTER DOZEN IN A BOX.



No. 105—10x3½ in., for snelled hooks, monkey grain leather, red or black, leather lined, five large canvas pockets, cloth bound,
per dozen ..... **JGGJ** $12.80
ONE-HALF DOZEN IN A BOX.

FLY AND LEADER BOXES.



No. 50—3¼x$\frac{7}{16}$ in., aluminum, hinged top, two thick felt drying pads, per dozen ..... **AHJ** $3.00
ONE DOZEN IN A BOX.

BAIT BOXES.



No. L24—4x3½x2 in., basket pattern, perforated hinged self-locking cover, has loop for strap, enameled blue with aluminum decorations,
per dozen ..... **JIE** $1.60

No. P24—With safety pin fastener, otherwise same as No. L24, per dozen ..... **AJE** $1.72
ONE DOZEN IN A BOX.



No. 26—6x2¾x1½ in., extra large, perforated self-locking cover, has two loops for belt, enameled green with aluminum decorations,
per dozen ..... **ADJ** $2.30
ONE DOZEN IN A BOX.

TACKLE BOXES.



No. 9. No. 11.

No. 9—7½x4½x1¾ in., for pocket, one large and three smaller compartments, outside finish green enamel, gold striped, inside golden brown, w't per doz. 9 lbs., per dozen **CIJ** $6.50

No. 11—8¼x4½x3 in., one large and three smaller compartments, improved hasp latch, finish golden brown, gold striped, w't per doz. 14 lbs. .....per dozen **DEJ** $7.50

TACKLE BOXES.



No. 12—10½x5¾x4 in., three compartments and extra round bottom tray, with five spaces, improved locking device, finish brown japan and ornamented, w't per doz. 24 lbs.,
per dozen ..... **JFEE** $10.90



No. 13—12½x6⅝x5¾ in., two very large compartments, two trays, three and six compartments each, strong hasp lock, finish golden brown with gold stripes, w't per doz. 42 lbs.,
per dozen ..... **JIDJ** $15.70



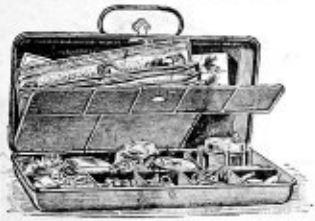
No. 6—9½x7x3½ in., two large and three small compartments, with tray of four compartments, best quality tin plate, enameled green outside, brown inside, w't per doz. 24 lbs.,
per dozen ..... **JICE** $15.60



No. 16—10¾x7½x4 in., two large and three small compartments, extra tray of four compartments, patent hasp fastener, made of high grade tin plate, enameled rich green outside, brown inside, w't per doz. 30 lbs.,
per dozen ..... **ACGJ** $22.80

FISHERMAN'S SUNDRIES.

TACKLE BOXES.

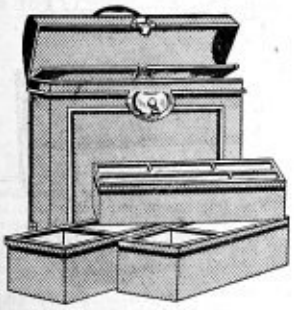


No. 28—11x5¼x2¼ in., a handsomely designed steel box divided into two main compartments by hinged partition, one side divided into seven compartments of convenient size including space for reel, one half of box having no partitions affords proper space for fly hook, hooks on cards and larger articles, box is fitted with lock, two keys and folding handle, durably finished inside and out in rich dull black hard baked enamel, each box in a carton, w't each 1⅞ lbs. / w't per doz. 25 lbs....per dozen **JHAJ** $13.50

PACKED TWO DOZEN IN SHIPPING CONTAINER.



No. 5—11½x8x4¾ in., two large and three small compartments with three additional trays, having a total of eleven compartments, special hasp fastener, color rich green, w't per doz. 65 lbs. .....per dozen **AHHJ** $31.30



No. 25—Falls City, 9x9x3½ in., three partitioned trays, new design rounded top, substantial stock, well made, beautifully enameled and furnished in black and gold, metal handle, lock and key, loops for straps, w't per doz. 42 lbs. .....per dozen **BHHJ** $48.00

TACKLE BAGS.

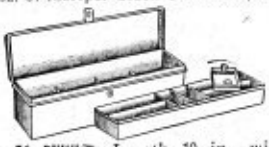


No. 44—**Kennedy**, 14 in. long x 7 in. wide, 10 in. high, leather brown baked enamel finish, light weight but strong grade steel, double seamed electric welded and reinforced throughout, very strong, waterproof and watertight, will hold several reels, with two trays easily removed and easily accessible, fitted with solid brass corner irons, side catches and lock, leather covered steel handle, w't each 7¼ lbs. .....each **DCJ** $7.20

COMBINATION ROD KITS AND TACKLE CASES.



No. 55—**Kennedy**, length 24½ in., width 6 in., height 9 in., brown baked enamel steel, will hold a number of rods of standard size, bottom spacing large enough to carry landing nets, gaff hooks, etc., bottom of case divided at one end for a number of reels, roomy enough to carry fishing hat, raincoat, flask, bottled bait or a pork chunk, upper tray partitioned for small flies, leaders, wobblers, etc., lower, tray fitted for largest sized minnows and other equipment. In addition to full sized leather handle at top there are loops welded to each end for attaching shoulder straps, fitted with solid brass corners, side catches and Yale locks, watertight unless submerged, w't per doz. 84 lbs..per dozen **JFIAJ** $115.20



No. 56 ~~REVERSE~~—Length 19 in., width 5 in., height 3½ in., high grade tin plate, enameled green outside, contains one partitioned tray for minnows, etc., bottom divided into partitions for rods, reels, leaders, hooks and other equipment, w't per doz. 69 lbs. .....per dozen **BCGE** $39.60

FOLDING WATER PAILS.



No. 4G—6 qt., single, folding into 11½x5½x2 in., waterproof canvas, metal parts of rust proof spring steel, rigid, portable, strong, w't per doz. 20 lbs. .....per dozen **AJHJ** $18.00



No. 12G—10 qt., single, folding into 12½x5½x2½ in., waterproof canvas, metal parts of rust proof spring steel, rigid, portable, strong, w't per doz. 24 lbs. .....per dozen **AFCJ** $27.20



No. 5G—10 qt., single, folding into 12½x5½x2½ in., waterproof canvas, metal parts of rust proof spring steel, fitted with splash guard, strainer and spout, w't per doz. 25 lbs., per dozen .....**BAHE** $36.40

ONE IN A BOX.

FISH SCALES.



No. 002G—Chantillon, ½x3 in., capacity 15 lbs., nickel plated, w't per doz. 1 lb. .....per dozen **CBJ** $5.30

A better and stronger scale than the average fish scale, has a large ring making it easier to hold. Has adjustable sleeve to weight of basket or other container can be allowed for and actual weight of fish easily ascertained.

ONE IN A CARTON; ONE DOZEN IN A BOX.

FISH SCALERS.



No. G15—Heavy perforated tin, length 9¼ in., w't per doz. 2½ lbs., per dozen .....**ABJ** $2.00

ONE-HALF DOZEN ON A DISPLAY CARD



Good Luck.

No. 18—Length 6 in., light and handy, works on principle of curry-comb, per dozen .....**JGJ** $1.20

IN BULK.

MINNOW BUCKETS.

SPECIAL ROUND FLOATING.



No. 408-G—8 qt., perforated hinged top to both outside and inside bucket, floating galvanized wire insert, solid bottom pan to save minnows when transferred, finish rich dark green with gold trimmings, w't per doz. 35 lbs., per dozen.... $18.00
AJHJ

No. 410G—10 qt, w't per doz 43 lbs., otherwise same as No. 408G, per dozen .....ABGJ $21.20

GALVANIZED ROUND FLOATING.



No. 608-G—8 qt. bucket and insert galvanized after being made up, filling up all seams, floating wire insert, sunk ice pan top, solid bottom, perforated cover on insert, no cover on outside pail, finish maroon enamel with gold trimmings, w't per doz. 33 lbs., per doz. ABDJ $20.70

No. 610G—10 qt., w't per doz. 38 lbs., otherwise same as No. 608G, per dozen .....ADAE $23.60

OVAL.



No. 808-G—8 qt., self-locking hinged perforated cover on perforated tin insert, no cover on outside pail, deep top for ice, slanting floating insert, convenient for taking out minnows, light green color, gold colored insert, w't per doz. 37 lbs., per doz. JHGJ $14.50

No. 810G—10 qt., w't per doz. 45 lbs., otherwise same as No. 808G, per dozen .....JIFJ $16.00

OVAL, FLOATING.



No. 708-G—8 qt. floating galvanized wire insert, no cover on outside pail, hinged perforated cover on insert, space between top of insert and bucket for ice, solid tin bottom pan, finish medium green nicely decorated, w't per doz. 35 lbs., per dozen, ABBJ $20.30

MINNOW AND FROG.



No. 108½-G—8 qt., round single, perforated hinged and hasped self-locking cover, top edge reinforced, finished in rich dark green enamel with gold band and decorations, w't per doz. 21 lbs., per dozen, EDE $9.10

No. 102-G—2 qt., round single, perforated hinged cover, self-locking body, lacquered deep blue, cover rich gold, w't per doz. 6 lbs., per dozen .....ADE $2.40

ROUND, INSERT.



No. 106G—6 qt., perforated tin insert, no cover on outside pail, non-floating, hinged perforated cover on insert, sunk ice pan top, finished in deep blue, gold band and decorations, weight per dozen 25 lbs., per dozen ....EFJ $9.30

No. 108G—8 qt., w't per doz. 28 lbs., otherwise same as No. 106G, per dozen .....JFDJ $10.70

No. 110G—10 qt., w't per doz. 36 lbs., otherwise same as No. 106G, per dozen .....JGEJ $12.50

No. 112G—12 qt., w't per doz. 40 lbs., otherwise same as No. 106G, per dozen .....JHFJ $14.30

ROUND, FLOATING.



No. 508-G—8 qt., galvanized wire solid bottom floating insert, rim to protect minnows when removing from outside bucket, hinged perforated insert cover, no cover on outside pail, finished in medium green and gold decorations, sunk ice pan top, w't per doz. 34 lbs., per dozen .....JIIJ $16.50

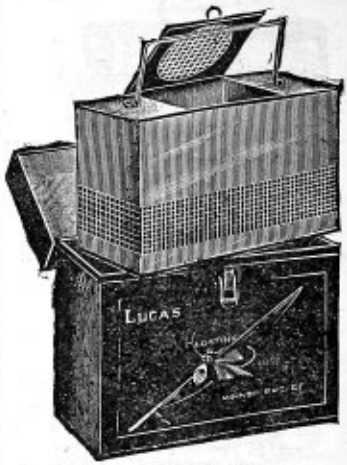
No. 510G—10 qt., w't per doz. 40 lbs., otherwise same as No. 508G, per dozen .....AAJE $18.40

OVAL SINGLE.



No. 908G—8 qt., self-locking hinged perforated cover, sunk ice pan top, enameled wood bails, entire bucket galvanized after making, closing all seams, w't per doz. 25 lbs., per dozen EEJ $9.20

SQUARE CORNER FLOATING.



No. 28—Lucas, 10 qt., 10½x11x5, space for ice at top of bucket, japanned with gilt trimmings, brass snap locking device, bottom of both outside and inside bucket galvanized, w't per dozen 48 lbs., per doz. BEBJ $52.00

OBLONG FLOATING.



No. 300G—Aquarium, 6 in. wide, floating galvanized wire insert, perforated hinged top on insert, perforated ice pan top on outside pail, finish enamel green with gold decorations, depth of the pan is 2½ in., size of the outer pail 6x10x15 in., capacity 12 qts., w't per doz. 72 lbs.
per dozen .....BHHJ $48.00

This pail is also a minnow trap. The wire netting at one end is made funnel shaped, the end of the funnel coming even with the opening of the float and close to the under side. This gives a bucket and trap combination.

MINNOW TRAPS, TROUT BASKETS, LANDING NETS, ETC.

MINNOW TRAPS.

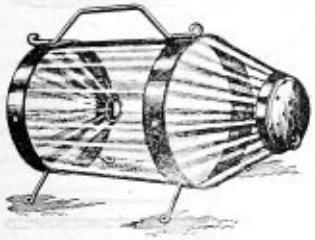


The brace prevents rolling while in use and is detachable.

No. 69—6x12 in., double flint glass, perfectly clear, wire ring attachment for lowering and raising traps and detachable funnel for removing minnows, metal parts are galvanized iron, w't per doz. 66 lbs.,
per dozen ..... AJHJ $18.00
ONE IN A WOOD BOX.



No. 68—Keyless, best grade galvanized wire cloth of 2-16 in. mesh, rims of galvanized metal, and hinges at seam of cloth, w't per ½ doz. 13 lbs.
per dozen ..... JICE $18.60
Has no key and can be easily and quickly put together. Locks firmly by a spring brass slotted locking device.
ONE-HALF DOZEN IN A FIBRE BOARD BOX.



Getz'em Kan't Break.

No. 71—12x7 in., transparent parts of pyralin, all metal part joints riveted, w't per doz. 11¼ lbs.,
per dozen ..... BDCJ $40.50
A light weight trap which will not come apart. Will not rust and with ordinary care is almost indistructible.

BASKET STRAPS.



No. 10.



No. 8.

No. 10—4 in. web shoulder piece, ⅞ in. leather straps with nickel trimmings, per dozen ..... CFJ $4.00
No. 8—1½ in. webbing over shoulder, ¾ in. leather straps, nickel buckles, per dozen ..... AHJ $2.40

TROUT BASKETS.



Best French Willow, with Nickel Plated Clasp.

Nos.	11	12	13
Capacity, lbs.	13	20	25
W't, doz., lbs.	8	10	15
Per dozen	$28.70	35.60	41.40
	AGBJ	BACE	BDHE

Round Willow, Good Grade, without Patent Clasp with Hole on the Side of Cover.

Nos.	0	1
Capacity, lbs.	10	13
W't per doz., lbs.	3	4
Per dozen	$12.00	14.40
	JGBJ	JHFE

Nos.	2	3
Capacity, lbs.	19	25
W't per doz., lbs.	6	8
Per dozen	$18.00	22.00
	AJHJ	ACBJ



Leather Bound, Highest Grade, Split Willow Body.

Nos.	53	54
Capacity, lbs.	19	25
W't per doz., lbs.	15	21
Per dozen	$67.20	72.00
	DJCJ	DCBJ

The leather binding, leather hinges and rings add greatly to the strength of the basket.

REFRIGERATOR BASKETS.



No. 41—Hawkeye, 18x10x8 in., rattan, metal lined with layer of asbestos and felt between, ice compartment at one end which is easily removed, lid made same as body of basket, heavy felt being piped all around the edges making it air tight when straps are fastened, lining is rust proof, top and handles polished, w't per doz. 108 lbs., per dozen ..... EDJJ $90.00
No. 42—20x13x10 in., w't per doz. 120 lbs., otherwise same as No. 40, per dozen ..... FABJ $102.00

FISHING CREELS.

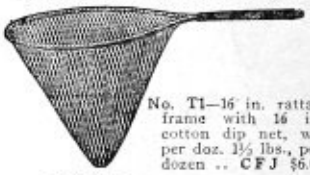


Duplex, Folding, Brown Canvas, Waterproofed. Metal Parts Spring Steel, Rustproofed, Cover Fastens with Pull down Snap Hooks. Shoulder Straps Included. These are Securely Fastened to Metal Frame. Can be Carried in Pocket or Tackle Case and are Out of the Way When Not in Use.

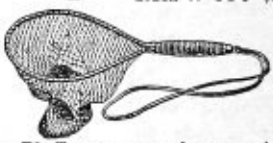
Nos.	31	33	35
Capacity, lbs.	10	20	30
Length, in.	10	12	14
Width, in.	4½	5½	7
Depth, in.	5½	7½	9½
Folds into, in.	6x7x3	7x8x3	8x9x3
W't, doz., lbs., not boxed	1¼	1⅞	2¼
Per dozen	$42.00	51.60	66.00
	BEBJ	CJIE	CIFJ

ONE IN A BOX.

HANDLED LANDING NETS.



No. T1—16 in. rattan frame with 16 in. cotton dip net, w't per doz. 1½ lbs., per dozen .. CFJ $6.00



No. T3—Trout, rattan frame, stained red, round handle with rubber attached, 18 in. tanned net, w't per doz. 2¼ lbs. ..... per dozen JHAJ $13.50



No. 206—14 in. round detachable ring, 20 in. cotton dip net, 3½ ft. handle, shanks of the rings are made with projecting points which fit into handle, a thimble slides over the shank to hold it, w't per doz. 12 lbs., per dozen ..... JHFE $14.40

NETS, NET FRAMES AND GAFF HOOKS.

LANDING NETS.



No. 17—14 in. ring, 20 in. cotton dip net, two joint Japanese bamboo handle, 4 ft. long, w't per doz. 12 lbs., per dozen .....**AAEJ** $19.20

AQUARIUM NETS.



No. 4—4 in. ring, 6 in handle, 5 in. dip net, per doz. ..**AFJ** $2.70



Cotton Landing.

Nos.	324	330
Lgth, in.	24	30
Doz.	$3.00	3.80
	AHJ	**BCJ**

Linen Landing.

Nos.	224	230
Lgth, in.	24	30
Doz.	$3.30	4.50
	BJJ	**BGJ**

DIP NETS.



Cotton Dip.

Nos.	516	518	520
Length, in	16	18	20
Per dozen	$4.50	6.00	6.80
	BGJ	**CFJ**	**DAJ**

Nos.	524	530
Length, in.	24	30
Per dozen	$8.00	10.80
	DHJ	**JFEJ**

FLOATING LIVE NETS.



Floating Live Nets.

No. 300—Wahl's floating air tight japanned green frame 8 in. sq., diam. of tubes ¾ in., length net 30 in., ¾ in. mesh, ¾x8x8 when collapsed, per doz. **JHFE** $14.40

Guaranteed to float, no matter how many fish you put in it.

LIVE NETS.



Nos.	10	12	14
Sizes, in.	10x18x¾	12x24x¾	14x30x¾
Per dozen	$6.00	7.20	8.00
	CFJ	**DCJ**	**DHJ**

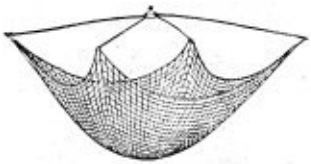
These nets will save your fish by keeping them alive.

WHITE FISH BAGS.



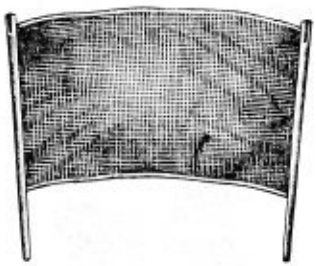
Nos.	24	25	36
Sizes, in.	24x1	24x¾	36x1
Per dozen	$4.00	4.20	6.00
	BDJ	**DEJ**	**CFJ**

UMBRELLA MINNOW NETS.



No. 54—Four 30 in. spring steel japanned arms, making a spread of 48 in. when open, and a package 31 in. long when in carrying case, w't per doz. 16½ lbs. .....per dozen **ADDJ** $24.00

PUSH NETS.



No. 600—Woven netting with 3½ ft. handles, 46 in. at bottom and 36 in. at the top .....per dozen **JFGJ** $11.20

GAFF HOOKS.



No. 15—Steel, nickel plated, three 7 in. sections which screw together, very strong and easily carried, can be carried in pocket or tackle box, w't per doz. 3½ lbs. per dozen **JGBJ** $10.00

LANDING NET RINGS.

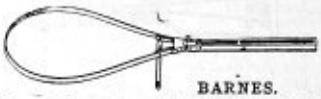


These rings are made of ¼ in. galvanized steel rod, the end being fastened by twisting around the shank.

To Drive, Galvanized.

No. 15—14 in. ring, w't per doz. 7½ lbs., per dozen .....**BJE** $3.44
No. 16—16 in. ring, w't per doz. 7½ lbs., per dozen .....**BDJ** $4.00

LANDING NET FRAMES.

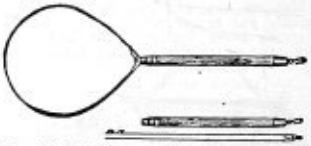


BARNES.

No. 33—Barnes' patent aluminum folding frames, w't per doz. 4 lbs., per dozen .....**AIDE** $32.40
Instantly extended and locked with one hand and can be buttoned to anglers coat or carrying strap by thong loop. Strong, light, handy and practical.



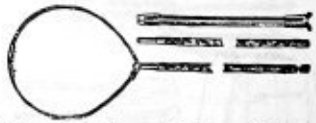
No. 14—14 in. galvanized ring, 42 in. hardwood handle with ferrule, w't per doz. 16½ lbs., per dozen **EAE** $8.60



No. 25—I. D. L., collapsing, 11x9⅛ in. ring, 12 in. bamboo handle with swivel hook attached, put up in a partitioned cloth bag, finish black enamel, w't per doz. 4½ lbs., per doz. **JFCJ** $10.50



No. 24—I. D. L., collapsing, ring H¼x13½ in., 30 in. staff, put up in a partitioned cloth bag, finish black enamel, w't per doz. 9 lbs., per dozen .....**JHAJ** $13.50



No. 23—Our Own, 12x13 in., collapsing, tempered steel ring, black enameled, jointed, 4 ft. staff, put up in a partitioned cloth bag, w't per doz. 12 lbs., per dozen .....**AACJ** $18.80
No. 21—Harrimac, 13½x15 in., collapsing, nickel plated ring, jointed, 4 ft. staff, put up in a partitioned cloth bag, w't per doz. 15 lbs., per dozen .....**AEAJ** $25.20

SPEARS, FLY CREAM, FISH STRINGERS, ETC.

FROG SPEARS.



No. 1—Socket, steel, 3 prongs, 2¼ in., with vest pocket guard, w't per doz. 1⅜ lbs.....per gross **AJHJ** $18.00



No. 2—Socket, steel, 4 prongs, 3 in., with vest pocket guard, w't per doz. 2½ lbs.....per gross **ACEJ** $22.50

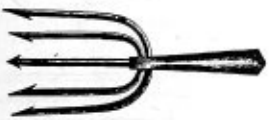
FISH SPEARS.



No. 3—Tanged, steel, 5 prongs, 4 in., w't per doz. 3 lbs., per dozen .....**BEJ** $4.20



No. 10—Socket, malleable iron, 3 prongs, 3½ in., w't per doz. 3 lbs., per dozen .....**BDJ** $4.00



No. 20—Socket, malleable iron, 5 prongs, 4 in., w't per doz. 3½ lbs., per dozen .....**BIJ** $4.80

No. 4—Socket, steel, 5 prongs, 4½ in., w't per doz. 6 lbs., per dozen .....**DCJ** $7.20

No. 5—Socket, steel, 5 prongs, 5 in., w't per doz. 9 lbs., per dozen .....**ECJ** $8.80

FLY CREAM.



No. 7 REVONOC—4x1 in. tubes, per dozen .....**AHJ** $3.00
ONE DOZEN IN A FANCY BOX.

REVONOC MOSQUITO HEAD NETS.



No. 77 REVONOC—Egyptian lace, green in colors, with woven horse hair front set into the lace with rubber socket set in horsehair, elastic at top and bottom, can be folded or rolled without danger of damaging, w't 1 oz. each, per dozen .....**JFCJ** $10.50
ONE DOZEN IN A PACKAGE.

ROD VARNISH.



No. 10 REVONOC—1 oz. bottles, high grade, prepared especially for fish rods, quick drying, will not crack or chip off.....per dozen **AHJ** $3.00
ONE DOZEN IN A BOX.

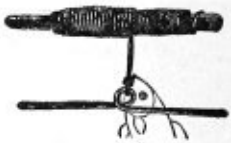
ALARM BELLS.



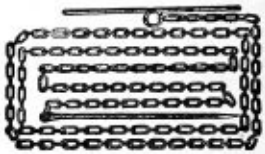
No. 100—7½x¼ in., metal base with screw, upright steel spring with spring wire coil to fasten line, bell attached for alarm, w't per doz. ⅝ lb., per dozen .....**EE** $0.90

TWO DOZEN IN A BOX.

FISH STRINGERS.

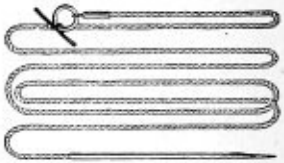


No. 2—36 in., heavy mottled cord, brass stringing needle, coil bar of heavy brass, each stringer sewed on printed card, w't per doz. ½ lb., per dozen .....**DJ** $0.70
SIX DOZEN IN A BOX.



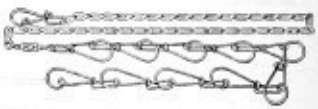
No. 5—42 in., detachable chain, nickel plated on brass, new style stringing needle, patent coil bar end, each stringer wrapped in a folder, w't per doz. 1⅛ lbs....per dozen **ABJ** $2.00

No. 9—48 in., detachable chain, aluminum, otherwise same as No. 5, w't per doz. 12 oz..per dozen **AHJ** $3.00
ONE DOZEN IN A BOX.



No. T7—66 in., extra heavy braided cord, securely fastened to brass pointed needle and heavy handle, wrapped separately, w't per doz. 1½ lbs.....per dozen **ADE** $2.40
ONE DOZEN IN A BOX.

FISH STRINGERS.



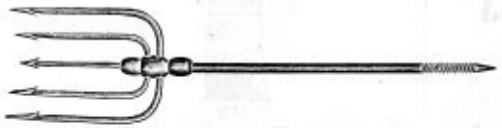
No. 3—"Keepem" alive, 4 ft. long, one snap catch at one end to attach to boat or pier, and ten patent snap catches with sharp points at other end to be inserted under fish's gills and then snapped close, w't per doz. 3¼ lbs .....per dozen **EDJ** $9.00
ONE DOZEN IN A BOX.

WINDING SILK.

No. 11—50 yard spools, highest quality, assorted colors, per dozen **JIJ** $1.50
ONE DOZEN IN A BOX.

REVONOC HAND FORGED FISH SPEARS.

These Spears are tempered by experts, every point is hand finished, and every part is guaranteed perfect in finish, workmanship and material.



No. 27 REVONOC—Special crucible steel, hand forged, 5 prongs, entire length 15 in., length of needle point tine 4 in., aluminum shank with threads, brass ferrule .....per dozen **J F J J** $10.00

A light spear, combining grace of lines with strength and unexcelled spearing qualities.



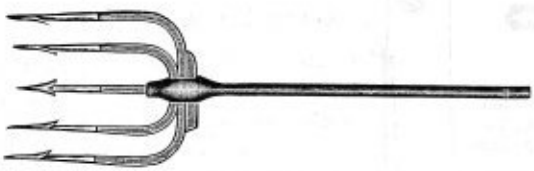
No. 22 REVONOC—Medium size, special crucible steel, hand forged, 5 prongs, entire length 15 in, width 4½ in., length of needle point tine 4 in., aluminum finish shank with threads, brass ferrule .....per dozen **J I B E** $15.40

A very handsome spear, perfectly balanced and beautifully finished.



No. H20 REVONOC—Medium size, special crucible steel, hand forged, 5 prongs, entire length 16 in., width 4½ in., length of needle point tine 4 in., aluminum finish shank with socket, tines polished, brass ferrule, per dozen **A A B E** $18.76

An especially strong spear of medium weight. The aluminum shank, brass ferrule and polished tines making it very attractive.



No. 25 REVONOC—Special crucible steel, hand forged, 5 prongs, entire length 17 in., width 5 in., length of needle point tine 5 in., aluminum finish with key for replacing prong, brass ferrule .....per dozen **A B G E** $21.24

This is a large, strong spear, designed especially for spearing pike, muskallonge and other big fish. The removable key permits replacing prong as desired.

SURE BAIT AND DRINKING CUPS.

SURE BAIT.



No. 17—One dram in a bottle in wood box.....per dozen J I J $1.50

"Sure Bait" is a preparation which, when applied to any kind of bait, will attract the fish and cause them to bite freely.

"Sure Bait" is the most efficient preparation for this purpose ever discovered, and will do the work claimed for it.

ONE DOZEN IN A CARTON.

COLLAPSIBLE, SOLID ALUMINUM.



No. 972-G



No. 22-G.

No. 972-G—Three section, satin finish, height open 2¼ in., closed 1½ in., diam. at top 2½ in., at bottom 2¼ in., w't per doz. 6 oz., per doz. E J $0.80

No. 22-G—Four sections, height open 2⅛x2¾ in., closed 1¾ in., w't per doz. 12 oz. .....per dozen J G J $1.30



No. 971-G—Four sections, satin finished base, handsome burnished top, height open 2⅛ in., height closed 1 in., diam. at top 2 in., at bottom 2¼ in., w't per doz. 10 oz., per dozen .....J H J $1.40

ONE DOZEN IN A BOX.

COLLAPSIBLE, SOLID ALUMINUM.



No. 969-G—Four section, extra heavy construction, highly burnished finish throughout, height open 3 in., height closed 1 in., diam. at top 2⅛ in., at bottom 2½ in., w't per doz. 22 oz., per dozen .....B G J $4.50



No. 27-G—Five sections, highly polished, height open 3 in., closed 1 in., diam. 2½ in., snap embossed cover, impossible to come open in pocket, a strictly sanitary article, w't per doz. 12 oz., per doz. B A J $3.50

ONE DOZEN IN A BOX.

NESTED ALUMINUM.



No. 016-G —Consisting of 6 nested cups with snap cover, highly polished, height 3¼ in., width 2⅝ in., w't per doz. sets 6 lbs., per dozen sets...J G B J $12.00

For automobilists, campers, picnicers, and sportsmen.

ONE SET IN A BOX.

COLLAPSIBLE, NICKEL PLATED ON BRASS.



No. 10-G.

No. 10-G—2½x2 in., patent snap cover, w't per doz. 1½ lbs., per dozen .....A I J $3.20

No. 11-G—2½x3¼ in., patent snap cover, w't per doz. 2½ lbs., per dozen .....B D J $4.00



No. 18-G.

No. 18-G—Four sections, 2 1/16x2½ in., collapsing, nickel plated, no cover, folding handle, w't per doz. 1¼ lbs., per dozen .....B D J $4.00

ONE DOZEN IN A BOX.

Articles branded GYB have for fifty years represented the standard of hardware excellence.

FISHING TACKLE SUNDRIES.

SET LINE SNAPS.



No. G21—Brass, with ring,
per gross .....J I J $1.50

LINE SPREADERS.



No. 3—Steel wire, nicel plated box swivel, spreads 13 inches,
per dozen .....C J $0.54

TWO DOZEN IN A BOX.

Bright and attractive labels help the sale of goods—Every **GVD** **item bears a neat and artistic label.**

Divided efforts seldom result in success. Concentrate on one brand of guaranteed quality— **GVD**

SWIVELS.

Cuts Three-fourths Size.



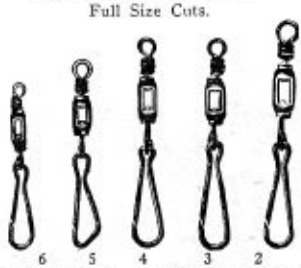
6 4 2 1/0 3/0

Brass Box.

No. G05—Sizes	6	5	4
Per gross $2.00	2.00	2.00
	A B J	A B J	A B J
No. G05—Sizes	3	2	1
Per gross $2.00	2.00	2.00
	A B J	A B J	A B J
No. G05—Sizes	1/0	2/0	3/0
Per gross $3.80	4.80	6.60
	B C J	B I J	C I E

ONE-QUARTER GROSS IN A BOX.

Full Size Cuts.

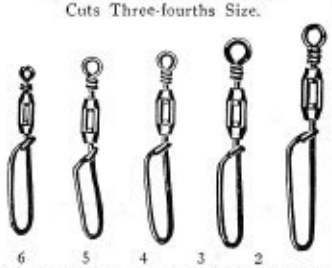


6 5 4 3 2

No. G010—Blued, watch spring, sizes 6, 5, 4, 3 and 2....per gross C B J $5.30

ONE-QUARTER GROSS IN A BOX.

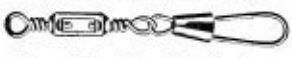
Cuts Three-fourths Size.



6 5 4 3 2

No. G015—Bronzed brass, patent spring, spring, sizes 6, 5, 4, 3 and 2,
per gross .....B A J $3.50

ONE-QUARTER GROSS IN A BOX.



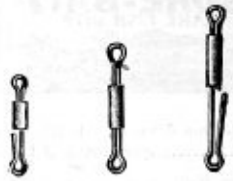
Brass Box, Blued Steel Snap.

No. G025—Sizes	2	3	4
Length, in.	2	1¾	1¾
Per gross $8.00	8.00	8.00
	D H J	D H J	D H J

SIZE 2 AND 3, ONE-HALF GROSS; SIZE 4, ONE-QUARTER GROSS IN A BOX.

CONNECTING LINKS.

Cuts Three-fourths Size.



1 2 3

Brass, Nickel Plated.

No. 020—Sizes	1	2	3
Per gross $1.80	1.80	1.80
	A A J	A A J	A A J

ONE GROSS IN A BOX.

SPLIT RINGS.

Cuts Three-fourths Size.



4 6 8

No. 17—Sizes	4	6	8
Size, in.	⅜	⅜	½
Per gross $0.80	.92	1.40
	E J	E E	J H E

FISH HOOK EXTRACTORS.



No. 2—6¼ in., malleable iron, tinned, single end, for bass,
per dozen .....J G J $1.20



No. 1—7 in., brass, nickel plated, double end, for bass and trout,
per dozen .....A H J $3.00

ONE DOZEN IN A BOX.

SEINES.

Entire Page DJ-E%.

STRAIGHT.



Length—Depth	No. 9 Thread			No. 12 Thread, Soft					No. 16 Thread, Soft				
	1 in.	1¼ in.	1½ in.	1 in.	1¼ in.	1½ in.	1¾ in.	2 in.	1 in.	1¼ in.	1½ in.	1¾ in.	2 in.
20x 4 ft. .....each	$2.50	$2.20	$2.00	$2.40	$2.46	$2.10	$1.90	$1.70	$3.50	$3.00	$2.50	$2.20	$2.00
30x 5 ft. .....each	4.20	3.70	3.10	5.00	5.30	3.76	3.10	2.96	6.30	5.40	4.44	3.96	3.44
40x 6 ft. .....each	6.50	5.70	5.00	7.60	6.60	5.60	5.00	4.40	9.80	8.30	6.80	6.00	5.20
50x 6 ft. .....each	8.10	7.10	6.20	9.50	8.20	7.00	6.20	5.50	12.20	10.40	8.50	7.50	6.50
50x 7 ft. .....each	9.00	7.90	6.90	10.70	9.20	7.70	6.90	6.10	13.80	11.70	9.60	8.40	7.20
60x 8 ft. .....each	12.00	10.60	9.20	14.20	12.20	10.20	9.00	8.00	18.60	15.60	12.80	11.20	9.60
75x 8 ft. .....each	15.00	13.20	11.50	17.60	15.20	12.80	11.20	10.00	23.20	19.50	16.00	14.00	12.00
75x 9 ft. .....each	16.50	14.60	12.60	19.50	16.80	13.90	12.20	10.90	24.70	21.50	17.60	15.30	13.00
6 ft. ...per running yd.	.48	.42	.37	.57	.49	.42	.37	.33	.73	.62	.51	.45	.39
8 ft. for 30 yds. or more	.60	.53	.46	.71	.61	.51	.45	.40	.93	.78	.64	.56	.48
10 ft. for 30 yds. or more	.72	.64	.55	.85	.73	.60	.53	.47	1.13	.94	.77	.67	.57
12 ft. for 30 yds. or more	.84	.75	.64	.99	.85	.69	.61	.54	1.33	1.10	.90	.78	.66
14 ft. for 30 yds. or more	.96	.86	.73	1.13	.97	.78	.69	.61	1.53	1.26	1.03	.89	.65
15 ft. for 30 yds. or more	1.02	.92	.78	1.20	1.03	.83	.73	.65	1.63	1.34	1.10	.95	.80
16 ft. for 30 yds. or more	1.08	.97	.82	1.27	1.09	.87	.77	.68	1.73	1.42	1.16	1.00	.84
18 ft. for 30 yds. or more	1.20	1.08	.91	1.41	1.21	.96	.85	.65	1.93	1.58	1.29	1.11	.93
20 ft. for 30 yds. or more	1.32	1.19	1.00	1.55	1.33	1.05	.93	.82	2.13	1.74	1.42	1.22	1.02

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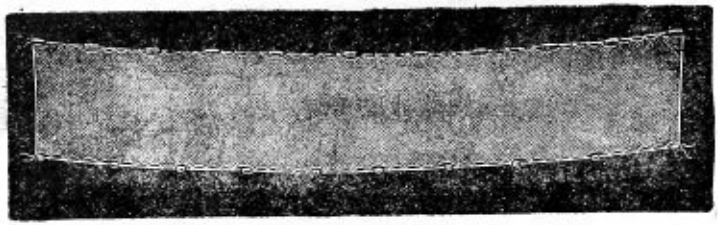
Length	Depth			No. 12 Thread, Soft						No. 16 Thread, Soft				
	Center	Ends		1 in.	1¼ in.	1½ in.	1¾ in.	2 in.		1 in.	1¼ in.	1½ in.	1¾ in.	2 in.
20 ft.	4 ft.	3 ft.	each	$2.60	$2.30	$2.00	$1.80	$1.60	each	$3.20	$2.80	$2.40	$2.10	$1.80
30 ft.	4 ft.	3 ft.	each	3.90	3.50	3.00	2.70	2.40	each	4.80	4.20	3.60	3.16	2.70
40 ft.	5 ft.	4 ft.	each	6.20	5.40	4.60	4.00	3.50	each	7.40	6.50	5.60	5.00	4.40
50 ft.	5 ft.	4 ft.	each	7.76	6.76	5.76	5.00	4.40	each	9.26	8.12	7.00	6.24	5.50
60 ft.	6 ft.	5 ft.	each	10.80	9.40	8.00	7.10	6.20	each	13.00	11.30	9.60	9.50	7.40
72 ft.	7 ft.	6 ft.	each	14.40	12.50	10.60	9.50	8.40	each	18.00	15.40	12.80	11.20	9.60
90 ft.	8 ft.	7 ft.	each	20.60	17.60	14.80	13.10	11.40	each	25.00	21.50	18.00	16.00	14.00
100 ft.	8 ft.	7 ft.	each	22.90	19.70	16.50	14.60	12.70	each	27.80	23.90	20.00	17.80	15.60
120 ft.	10 ft.	8 ft.	each	31.20	26.80	22.20	19.60	17.40	each	40.00	34.40	28.20	24.60	21.00
150 ft.	12 ft.	10 ft.	each	46.00	39.50	32.30	28.50	25.30	each	61.50	51.00	42.00	36.00	31.00
180 ft.	12 ft.	10 ft.	each	55.20	47.40	38.80	34.20	30.40	each	73.80	61.20	50.40	43.20	37.20
200 ft.	14 ft.	10 ft.	each	66.00	57.70	46.00	40.75	36.00	each	88.70	73.30	60.00	56.00	44.00
250 ft.	14 ft.	10 ft.	each	82.50	70.90	57.50	50.90	45.00	each	110.90	91.60	75.50	65.00	55.00
300 ft.	14 ft.	10 ft.	each	99.00	85.00	79.00	61.00	56.00	each	133.00	110.00	90.00	78.00	66.00

For tanning or tarring add 15% to above.

SEINES, NETS AND TROT LINES.

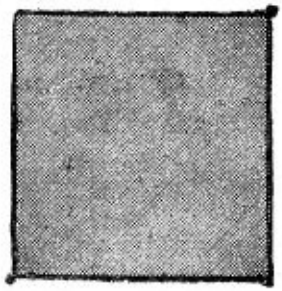
MINNOW SEINES.

Entire Page DJ-E%.



Mesh.....	¼ inch Square					⅜ inch Square				½ inch Square				¾ inch Square		
Depth	2½ ft.	3 ft.	4 ft.	5 ft.	6 ft.	3 ft.	4 ft.	5 ft.	6 ft.	3 ft.	4 ft.	5 ft.	6 ft.	4 ft.	5 ft.	6 ft.
10 ft.....each	$3.06	$3.60	$4.68	$5.76	$6.84	$2.28	$2.80	$3.32	$3.84	$1.80	$2.16	$2.52	$2.88	$1.72	$2.00	$2.28
12 ft.....each	3.68	4.32	5.62	6.92	8.20	2.74	3.36	4.00	4.60	2.16	2.60	3.04	3.46	2.08	2.40	2.72
15 ft.....each	4.60	5.40	7.02	8.64	10.26	3.42	4.20	5.00	5.76	2.70	3.24	3.78	4.32	2.60	3.00	3.40
20 ft.....each	6.12	7.20	9.36	11.52	13.68	4.56	5.60	6.64	7.68	3.60	4.32	5.04	5.76	3.44	4.00	4.50
25 ft.....each	7.66	9.00	11.70	14.40	17.10	5.70	7.00	8.32	9.60	4.50	5.40	6.30	7.20	4.30	5.00	5.68
Per yard.....	.92	1.08	1.40½	1.73	2.05	.68½	.84	1.00	1.15	.54	.65	.75½	.86½	.52	.60	.68

SQUARE DIP NETS.



Mesh	Twine	4x4 ft.	5x5 ft.	6x6 ft.	7x7 ft.	8x8 ft.	9x9 ft.	10x10 ft.	12x12 ft.
¼ in. sq.	20/6.....each	$2.28	$3.50	$4.98	$6.68	$8.66	$10.86	$13.38	$19.10
⅜ in. sq.	20/6.....each	1.34	2.00	2.84	3.80	4.86	6.12	7.44	10.60
½ in. sq.	9 .....each	.98	1.44	2.00	2.66	3.40	4.24	5.16	7.68
1 in. sq.	12 .....each	.60	.88	1.20	1.62	2.10	2.58	3.12	4.40
1¼ in. sq.	12 .....each	.54	.76	1.06	1.40	1.74	2.20	2.66	3.72
1½ in. sq.	12 .....each	.50	.70	.96	1.26	1.60	2.00	2.40	3.30

CAST NETS.

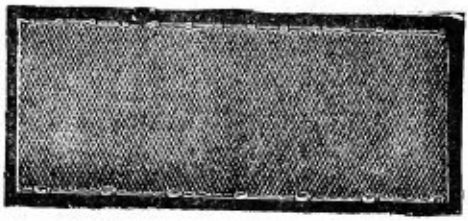
Completely Rigged.	⅛in.20/6.	1 in.20/9.
3 ft. .....each	$8.00	....
3½ ft. .....each	9.60	$3.00
4 ft. .....each	11.50	5.50
4½ ft. .....each	15.00	6.00
5 ft. .....each	20.00	7.00
6 ft. .....each	30.00	9.00

CREEK SEINES.

Mesh.....	½ in. Center and 1 in. Ends			
Depth	4 ft.	5 ft.	6 ft.	7 ft.
10 ft. .....each	$1.68	$1.92	$2.16	$2.40
15 ft. .....each	2.52	2.88	3.24	3.60
20 ft. .....each	3.36	3.84	4.32	4.80
25 ft. .....each	4.20	4.80	5.40	6.00
Per yard.....each	.50½	.58	.65	.72

GILL OR SET NETS.

Entire Page AJ%.



Price per Running Yard, Hung Measure.

40-3 CORD LINEN GILL OR SET NETS.

Depth.	Mesh.....	1 inch	1¼ inch	1½ inch	1¾ inch	2 inch	2¼ inch	2½ inch
3½ ft.	per running yard	$0.16	$0.14	$0.12	$0.10	$0.09½	.....	.....
4 ft.	per running yard	.17	.15	.13	.11	.10	$0.09	$0.08½
5 ft.	per running yard	.20	.17	.15	.13	.11	.10	.09½
6 ft.	per running yard	.22	.19	.17	.15	.12½	.11	.10½
7 ft.	per running yard	.25	.21½	.20	.18	.15	.13	.12
8 ft.	per running yard	.28	.24	.22	.20	.17	.15	.14

28-4 PLY SEA ISLAND COTTON GILL NETS.

Depth.	Mesh.....	1 inch	1¼ inch	1½ inch	1¾ inch	2 inch
4 ft.	per running yard	$0.13	$0.10½	$0.09½	$0.09	$0.08½
5 ft.	per running yard	.15	.11½	.10½	.09½	.09
6 ft.	per running yard	.18	.13	.11½	.10	.09½
7 ft.	per running yard	.20	.14	.12½	.11	.10
8 ft.	per running yard	.22	.15	.13½	.12	.10½

These nets are made for taking whitefish, ciscoes, trout, pickerel, bass, mullet, suckers, perch, etc. When not certain of the exact size of mesh and twine needed, write us what kind of fish intended to catch, give weight, also in what kind of water, viz., lake, river, bayou, etc.

The linen gill net is made of best quality imported twine. It is a single net hung on a single top and a single bottom line, mounted with floats and sinkers complete, ready for use.

TRAMMEL NETS.



Price per Running Yard, Complete, Ready for Use.

Depth.	Inside Mesh.....	¾ inch	1 inch	1¼ inch	1½ inch	1¾ inch	2 inch	2½ inch	3 inch
3½ ft.	Outside Mesh 6 in. sq.	$0.32	$0.26	$0.23½	$0.22	$0.21	$0.20	$0.19½	$0.19
4 ft.	Outside Mesh 6 in. sq.	.34	.28	.25	.23	.22	.20½	.20	.19½
4½ ft.	Outside Mesh 7 in. sq.	.37	.30	.27	.24	.23	.21	.20½	.20
5 ft.	Outside Mesh 8 in. sq.	.40	.33	.30	.26	.24	.22	.21	.20½
6 ft.	Outside Mesh 8 in. sq.	.48	.38	.35	.29	.27	.24½	.22	.21
7 ft.	Outside Mesh 8 in. sq.	.55	.45	.40	.32½	.29½	.27	.24½	.23
8 ft.	Outside Mesh 8 in. sq.	.62	.53	.45	.36	.32	.30	.27	.25

Our trammel nets have three nets, hung on a single top and a single bottom line. Lines are of best quality cotton obtainable. When ordering Trammel nets, always mention kind wanted and price per yard.

Of the three nets, two have large mesh called "walling," made of cotton seine twine. The inside net is made of best quality "imported Scotch linen twine." Our "Superior" trammel net is strictly high grade, combining best quality, quantity of material, and best workmanship. We guarantee them to be the best nets made, and the cheapest in the long run, where good, constant service is required. Inside net is made of 25/3 twine.

HOOP, BROOK AND LIVE NETS AND SEINES.

HOOP NETS.

Entire Page DJ-E%.



Nos.		Mouth	Length	Hoops	Twine	Size of Mesh	Funnel Nets No Wings White	Funnel Nets No Wings Tar'd
00	Sgl.	2 ft.	6 ft.	4	9	½ in. ..... each	$3.12	$4.44
0	Dbl.	2½ ft.	8 ft.	6	16	1 in. ..... each	4.68	5.16
1	Sgl.	3 ft.	10 ft.	6	24	1½ in. ..... each	5.36	5.92
2	Sgl.	4½ ft.	18 ft.	8	24	1½ in. ..... each	10.56	11.64
3	Dbl.	4 ft.	16 ft.	7	24	2-1¼-1½ in. ..... each	8.20	9.04
3A	Dbl.	4 ft.	16 ft.	7	28	2-1¼-1½ in. ..... each	8.70	9.60
3B	Dbl.	4 ft.	16 ft.	7	32	2-1¼-1½ in. ..... each	9.20	10.10
4	Dbl.	4½ ft.	18 ft.	8	24-32	2½-2-1½ in. ..... each	10.00	11.00
5	Dbl.	5 ft.	18 ft.	8	28-32	2½-2-1½ in. ..... each	11.50	12.70
6	Dbl.	6 ft.	18 ft.	8	28	2½-2-1½ in. ..... each	14.00	15.50
7	Dbl.	2½ ft.	8 ft.	6	24	1 in. ..... each	6.40	7.54
8	Sgl.	3 ft.	10 ft.	6	24	1 in. ..... each	8.24	9.08
9	Sgl.	4½ ft.	18 ft.	8	24	1 in. ..... each	15.48	17.04
10	Dbl.	4 ft.	16 ft.	7	24	1 in. ..... each	13.72	15.12
11	Dbl.	5 ft.	18 ft.	8	24	1 in. ..... each	19.96	22.00
12	Dbl.	6 ft.	18 ft.	8	24	1 in. ..... each	26.00	29.00

Fyke Nets—with Wings	Length Wings Each Side	White	Tar'd
6 ft.	each	$4.88	$5.40
6 ft.	each	6.40	7.10
9 ft.	each	7.58	8.40
15 ft.	each	14.76	16.30
12 ft.	each	10.84	12.00
12 ft.	each	11.34	12.50
12 ft.	each	11.84	13.00
15 ft.	each	13.90	15.30
15 ft.	each	15.40	16.90
20 ft.	each	20.40	22.50

HOOP NET WEBS—No Hoops or Tar.

Nos.	00	0	1	2	3	3A	3B	4	5	6	7	8	9	10	11	12
Each	$1.48	2.24	2.80	6.32	4.84	5.44	6.30	6.50	6.50	7.80	2.44	5.16	10.40	9.72	13.56	17.00

BROOK NETS.



(No Wings) First Hoop "D" Shape.

Nos.	Height of Mouth	Width of Mouth	Length	Hoops	Twine	Size of Mesh
1 Dbl.	1½ ft.	3 ft.	6 ft.	8	9	1¼-¾-⅝ in. ..... each $2.00
2 Dbl.	1¾ ft.	3½ ft.	7 ft.	9	9	1¼-¾-⅝ in. ..... each 2.20
3 Dbl.	1¾ ft.	4½ ft.	7 ft.	9	16-12	1¼-¾-⅝ in. ..... each 2.70
4 Dbl.	1⅝ ft.	5 ft.	8 ft.	9	16	1¼-¾-⅝ in. ..... each 3.10

QUAIL NETS.

Nos.	Size	Wings each Side
1	25 ft. long, with Funnel	20 ft. ..... each $5.80
2	20 ft. long, with Funnel	20 ft. ..... each 5.30
3	20 ft. long, no Funnel	20 ft. ..... each 5.00
4	15 ft. long, no Funnel	20 ft. ..... each 4.50
5	12 ft. long, with Funnel	13 ft. ..... each 3.90

LIVE NETS.

10 in.	per dozen $6.80
12 in.	per dozen 8.00
14 in.	per dozen 9.40

PALMER IMPROVED PATENT LOCK-WEAVE MINNOW SEINES.



Palmer—Four feet wide ..... per running foot $0.24

The Palmer Improved Lock-Weave Minnow Seine is made of Bingen Lock-Weave Netting, under Palmer Patent. Netting is of ½ in. mesh, "I" shape, and being a lock-weave is more firm than any other netting used in woven seines. Of olive green color, making a beautiful finish. Plenty of floats and leads distributed at proper proportion. The great improvement in the Palmer Seine over all others, is sewing the netting direct to the lines, leaving no aperture or space for the minnows to escape between the netting and the lines as in the old manner of construction. Floats and sinkers are slotted and fit snugly to the lines.

Everything first-class in the Netting, workmanship and construction. All four feet wide. Lengths are 6, 8, 10, 12, 15, 20 and 25 feet.

NETS, NETTING AND SUNDRIES.

"COMMON SENSE" AND "GIANT" NETS.



"Common Sense" Rigged Nets.
⅛ Inch Mesh.
All Nets 4 Feet Deep.

Width, ft.	6	8	10	12
Each	$0.72	.96	1.20	1.44
	DE	EE	JGJ	JHE
Width, ft.	15	20	25	30
Each	$1.80	2.40	3.00	3.60
	AAJ	ADE	AHJ	BAE

"Giant" Rigged Nets.
¼ Inch Mesh.
Heavy, All Nets 4 Feet Deep.

Width, ft.	6	8	10	12
Each	$0.84	1.12	1.40	1.68
	EJ	JFE	JHE	AJJ
Width, ft.	15	20	25	30
Each	$2.10	2.80	3.50	4.20
	ABE	AGJ	BAJ	BEJ

NETTING.

Common Sense Netting, ⅛ in. mesh, 4 ft. deep, light.....per yard **AD** $0.18
Giant Netting, ¼ in. mesh, 4 ft. deep, heavy.....per yard **BJ** $0.24

COTTON SEINE NETTING.

Sizes, in.	¼	⅜	½	¾	1	1½	2	2½
No. 20-6.....per pound	$4.00	3.40						
	CCE	BHE						
No. 14-6.....per pound			1.80					
			AEJ					
No. 6.....per pound	2.08	1.88	1.60					
	AGE	AEE	ACE					
No. 9.....per pound			1.20	1.00	.92	.86	.84	.82	.80
			AJJ	JHE	GE	GJ	GJ	FI	FE
No. 12.....per pound			1.06	.92	.86	.80	.78	.77	.76
			JIJ	GE	GJ	FE	FE	FE	FC
No. 16.....per pound			.96	.86	.80	.76	.74	.72	.70
			HJ	GJ	FE	FC	FB	FJ	EH

For netting made of hard laid twine, add 10 cents per pound to lists.

LINEN NETTING.

Two Inch Square Mesh or Larger.

Number of Twine	12/3	16/3	18/3	20/3	25/3	30/3	35/3	40/3
Per pound, 3 cord	$1.86	2.06	2.20	2.26	2.54	2.74	3.00	3.26
	AEE	AGE	AHE	AIJ	BAE	BCJ	BEJ	BGE

1 in. to 1¼ in. mesh.....extra per pound **CE** $0.42
1¼ in. to 1½ in. mesh.....extra per pound **BB** .26
1½ to 1¾ in. mesh.....extra per pound **AE** .18
1¾ to 2 in. mesh.....extra per pound **JH** .10
Sea Island Cotton, No. 28/4 twine.....per pound, 3 cord **AHE** 2.20

HOOPS.

Sizes, ft.	5/12 to 1	1½ to 2	2¼ to 3
Each ....$			
Sizes, ft.	3¼ to 4	4½ to 5	5½ & 6
Each ....$			

Write for prices.

CEDAR FLOATS.

Sizes, in.	1½x5	1¾x5	2x3
Per 100..$			
Sizes, in....	2½x3	2½x4	3x4	3x5
Per hundred $				

Write for prices.

SEINE NEEDLES.

Sizes, in.	½ to 1	1¼ to 1½
Each .....$		

Write for prices.

CAST LEADS.

No. per pound.....	4	10	16
Per pound .....$			

Write for prices.

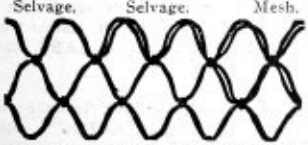
GILLING TWINE.

Nos.	12/3	14/3	16/3	18/3
Per pound ..$	1.70	1.78	1.84	1.92
	ACJ	ADJ	ADE	AEJ
Nos.	20/3	25/3	30/3	
Per pound .....$	2.00	2.20	2.34	
	AEE	AFJ	AGJ	
Nos.	35/3	40/3	50/3	
Per pound .....$	2.54	2.72	3.63	
	AGE	AHJ	CAL	

Seine twine and tarred net rope subject to market prices.

PACKED IN ONE-HALF POUND TUBES.

SUGGESTIONS IN ORDERING NETTING.



The above cut illustrates the different styles of selvage and mesh.



Showing 2 in. stitches mesh.

When ordering or writing for estimates, regard the following suggestions as much as possible—

In Ordering, give full description of net in question, stating its length, depth, size of mesh and size of twine. If you are not acquainted with twines, state the kind of fish you want to catch, and the way you propose to fish for them.

How Measured—Always state whether the netting is to hang the dimensions given when on ropes, or is to measure those dimensions when stretched. We measure a mesh on square basis, if you give stretched measure, always say so.

Give Depth in Meshes—When convenient give depth of net in meshes.

Kind of Selvage—State whether you want double mesh, double selvage, or single selvage, as per cut.

Kind and Quality—State whether you want goods tarred, barked or white.

Net or Netting—Always state whether net is wanted complete or netting only.

We cannot consider claims for shortages or imperfections after seines or nets have been used.

REVONOC ROW BOATS, CANOES, ETC.

REVONOC SQUARE STERN CLINKER OR FAMILY BOATS.



Painted with three coats of Marine green outside, the gunwales, inwales, breast hooks, corner chocks, seat risers, seats, flooring, rudder, yoke, reclining back and three top strakes, planking inside and out are filled and finished with three coats of Marine varnish, the keel, stem, stern-post and transom are of the best quality of air dried oak, the planking of selected white cedar in narrow strakes and copper fastened, the ribs are of clear straight grained white oak, steam bent to place and copper fastened, gunwales and inwales are of selected white oak, fore and aft seats "U" shaped to fit boat, the rowing seats of cypress all securely fastened, brass screws being used throughout, oak rudder and yoke with bronze hangers and steering lines, oak reclining back to aft seat, foot braces and painter, four seats.

GRADE A.

Two Pairs of Polished Brass Side Plate Sockets, Polished Bronze Seat Hangers and Stem Band, One Pair Straight Copper Tipped Oars, Leathered and Varnished, Polished Brass Locks.

No. REVONOC	514	516
Length, ft.	14	16
Beam, in.	44	44
Depth bow, in.	23	24
Depth amidships, in.	15	15
Depth aft, in.	22	23
W't each, lbs.	130	155
Each	$84.30★	95.50★
	EJFE	EGCJ

GRADE B.

Two Pairs of Galvanized Side Plate Sockets, Galvanized Seat Hangers and Stem Band, One Pair of Straight Copper Tipped and Varnished Oars Fitted with North River Locks.

No. REVONOC	614	616
Length, ft.	14	16
Beam, in.	42	44
Depth bow, in.	23	24
Depth amidships, in.	15	15
Depth aft, in.	22	23
W't each, lbs.	130	155
Each	$69.30★	80.00★
	DAFJ	DHJJ

REVONOC OUTING BOATS.

Stem, stern post, keel and ribs are of selected air dried white oak, planking of selected cypress, rowing seats of cypress, grating of cedar or cypress to fit each section of bottom and are removable, two pairs of galvanized side plate sockets bolted to place, galvanized stem band, one pair straight copper tipped and varnished oars, fitted with North River Locks.

GRADE A.

Painted with Three Coats of Marine Green Outside, Gunwales, Breast Hooks, Seats and Sheer Strakes are Filled and Finished with Three Cats of Marine Varnish, Inside of Hull and Gratings are Painted, Three Coats of Light Wood Color, Copper Fastenings and Galvanized Fittings.

GRADE B.

Painted with Three Coats of Dead Grass Color Inside, Corresponding Green on the Outside, Galvanized or Tinned Iron Fittings and Fastenings.



GRADE A.

Nos.	713½	715½
Length, ft.	13½	15
Beam, in.	42	44
Depth amidships, in.	14	14
No. of seats	3	4
W't each, lbs.	130	150
Each	$50.70★	56.50★
	CJDJ	CCIJ

GRADE B.

Nos.	813½	815
Length, ft.	13½	15
Beam, in.	42	44
Depth amidships, in.	14	14
No. of seats	3	4
W't each, lbs.	130	150
Each	$46.70★	52.00★
	BGIJ	CABJ



REVONOC SQUARE STERN BOATS.

The construction, fittings and finish are the same as in the REVONOC double end outing boat, but has greater carrying capacity and sea going qualities and is recommended for open waters and large lakes.

GRADE A.

Nos.	911	913	915
Length, ft.	11	13	15
Beam, in.	44	46	48
Depth amidships, in.	15	15	16
No. of seats	3	3	3
W't each, lbs.	120	140	160
Each	$49.60★	56.00★	64.00★
	BIGE	CCFE	CHDJ

GRADE B.

Nos.	1011	1013	1015
Length, ft.	11	13	15
Beam, in.	44	46	48
Depth amidships, in.	15	15	16
No. of seats	4	4	4
W't each, lbs.	120	140	160
Each	$45.30★	50.70★	58.70★
	BGBJ	CJDJ	CGBJ

★*FOR FACTORY SHIPMENT ONLY.*

REVONOC FISHERMEN'S BOATS.



Painted two coats of marine green outside and slate color inside, the planking is of selected cypress, the bottom of ¼ in., running lengthwise and fastened to oak ribs, the sides of ⅜ in., in two pieces, lap strake, and thoroughly fastened gunwales, seat risers and seats of cypress, knees, stem and transom of oak, caulked with cotton, one pair straight copper tipped and varnished oars with North River locks.

Nos.	642	644	646
Length, ft.	12	14	16
Beam, in.	42	44	46
Depth of sides, in.	15	15	15
Side plate sockets, pairs	1	2	2
No. of seats	3	4	4
W't each, lbs.	140	160	185
Each	$33.40	37.40	42.70
	BJJE	BBBE	BEFJ

LIFE PRESERVING PILLOW.



No. 10—Size 15x15 in., covered with a high grade of Spanish leather, w't each 1 lb. ..... each **ABJ** $2.00

These pillows are made from the marvelous flax called "KAPOC," which when thrown upon the water, floats like an air bubble, and is so resilent that when used for cushions or pillows they always maintain their shape and uniformity of appearance, even after years of service.

CANOES, ROW BOATS, OARS, ETC.

INDIAN GIRL CANOES.



Both Grades A and B have the same constructive features in common, stems of elm, steam bent, ribs and planking of white cedar, seats hand caned, polished brass stem bands, exposed fastenings of copper or brass, ribs are 2x⅛ in. at centers, tapering to 1¼x⅛ in. at the inwales and spaced 2 in. apart. The planking is ⅛ in. thick, nailed with square seams and clinch-fastened to ribs. Nos. 1, 2, 3, 4, 5 and 6 are covered with No. 10 special weave duck canvas and Nos. 7 and 8 are covered with No. 8 duck canvas, painted in three shades of green, moss, coach painters, and light brilliant, also tuscan red, an extra charge of $1.00 and up is made for other colors.

No. 1—Grade A—Length 15 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., stem, ribs and planking are clear and free from imperfection decks, thwart, gunwales, inwales and seat frames of selected cherry, grating of ash, one shaped thwart at center of canoe, the inwales are rabbeted for the planking and pocketed to take the ends of the ribs, the grating, six light strips fastened to skin-fitted thwartship timbers, is held in place by a brass floor button at each end, w't each 58 to 62 lbs., each★ .....EJGE $84.60

No. 2—Grade B—Length 15 ft., beam 32 in., depth amidship 12 in., depth fore and aft 21 in., stems, ribs and planking sound, but not as select as used in Grade A, deck, thwarts, covering strips, inwales and seat frames of selected ash or oak, this grade is by no means as strong or as handsome as Grade A, but has proved to be entirely satisfactory, no grating is furnished with this grade except as an extra, w't each 56 to 60 lbs.,★ each DAJE $68.40

No. 3—Grade A—Length 16 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 60 to 66 lbs., each★ .....EBIJ $88.20

No. 4—B Grade—Length 16 ft., beam 32 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 58 to 64 lbs., each★ .....DCBJ $72.00

No. 5—Grade A—Length 17 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 65 to 75 lbs., each★ .....EDJJ $90.00

No. 6—Grade B—Length 17 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 60 to 66 lbs., each★ .....DDCJ $73.80

No. 7—Grade A—Length 18 ft., beam 33 in., depth amidships 12 in., depth fore and aft 21 in., otherwise same as No. 1 Grade A, w't each 75 to 85 lbs., each★ .....EFAE $93.60

No. 8—Grade B—Length 18 ft., beam 33 in., depth fore and aft 21 in., otherwise same as No. 2 Grade B, w't each 70 to 80 lbs.★.....each DFDE $77.40

Write for special Canoe Catalogue for list of extras and fittings.

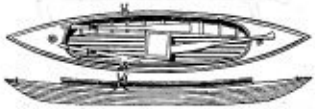
MULLIN'S STEEL BOATS.



No. 316—"Sultan," length 16 ft., beam 50 in., height bow 25 in., stern 23½ in., amidships 15 in., w't about 225 lbs., crated 260 lbs., with one pair 7½ ft. straight leathered ash oars, each★ .....DDCJ $75.60

Is modeled on perfect lines, and will make an admirable boat for family or livery use where a good capacity is required, the best boat for children, as it is roomy and very steady. Easy to row. It will appeal to summer resorters on account of its durability, comfort and safety.

Finished in aluminum outside, light blue inside, natural wood trimmings, large air chambers under decks like a life boat.



No. 27—"Bustle," length 14 ft., beam 46 in., 12 in. high to top of coaming at ends, 10 in. high amidships, cock pit 9 ft. long, 30 in. wide regular fittings and air chambers on sides, w't each 120 lbs., packed for shipment 140 lbs., each★ .....CBDJ $57.60

Is regonized wherever it is used as the standard sportsman's boat. Thousands of them are in use and are pronounced by all who have ever had experience with them as the lightest, most comfortable and safest duck boats built. They are painted a dead-grass color, and you are assured of a neat and tasty craft. Air chambers at both ends like a life boat. The outfit complete consists of a bottom board, movable seat, oars and oarlocks and one long or short paddle.

PLAIN OARS.



White Ash, Selected Straight Grain, Reinforced Blade.

No. 55—Length, ft..	6	6½	7
Per pair	$2.00	2.16	2.32
	ABE	ACE	ADE

No. 55—Length, ft.	7½	8
Per pair	$2.48	2.64
	AEE	AGJ

FIVE PAIRS ONE LENGTH IN A BUNDLE.

COPPER TIPPED OARS.



White Ash, Selected Straight Grain, Reinforced Blade.

No. 75—Length, ft...	6	6½	7
Per pair	$2.12	2.32	2.40
	ACE	ADE	AEJ

No. 75—Length, ft..	7½	8	8½
Per pair	$2.64	2.80	2.92
	AFE	AGE	AHE

FIVE PAIRS ONE LENGTH IN A BUNDLE.

Spruce, Selected Material, Straight Blade.

No. 89—Lgth, ft...	6½	7	7½
Per pair	$2.60	2.80	3.00
	AFE	AGE	AIJ

AVERAGE W'T PER PAIR 6 LBS.

Spruce, Straight Blade, Selected Material, Finished with Spar Varnish and Leather Collar.

No. 90—Length, ft.	7	7½
Per pair	$4.64	4.96
	BHJ	BIE

AVERAGE W'T PER PAIR 7 LBS.

FIVE PAIRS ONE LENGTH IN A BUNDLE.

CANOE PADDLES.



Spruce, Plain Tip, Selected Material, Finished in Oil.

No. 80—Length, ft.	5	5½
Per dozen	$27.00	27.00
	AFBJ	AFBJ

AVERAGE W'T PER DOZEN 18 LBS.

PUSH PADDLES.

White Ash, Plain Tip, Selected Straight Grain.

No. 85—Length, ft.	8	9	10
Each	$2.16	2.42	2.70
	ACJ	ADE	AFJ

AVERAGE W'T EACH 3¼ LBS.

WATER WINGS.



No. 1—Ayvad's, plain, dozen BFJ $4.30

No. 2—Ayvad's, variegated colors, better quality and finish than No. 1, per dozen..... CCE $5.60

Easily adjusted; a good pocket life preserver, great sport in the water. Can be brought instantly into use, with them any one can swim or float. Supports from 50 to 350 pounds. Weighs three ounces and takes no more room than a pocket handkerchief. A great help for those who wish to learn to swim, and fun for all competent swimmers.

OAR LOCKS, ANCHORS, ETC.

OAR LOCKS.



Socket, Malleable Iron.

Plain.

Nos.	11	11½
Opening, in.	2⅛	2¼
Center, in.	2½	3
W't per doz. prs., lbs.	25	24
Per dozen pairs	$2.88 AGE	3.12 AIJ

Galvanized.

Nos.	0	1	1½
Opening, in.	1⅝	2⅛	2¼
Center, in.	2¼	2½	3
W't doz. prs., lbs.	12	15	24
Per dozen pairs	$3.24 AIE	3.24 AIE	4.92 BIE



No. 7.



No. 8.

Galvanized Malleable Iron.

No. 7—North River, with plate and pin, 2 in. opening, w't per doz. prs. 18 lbs., per dozen pairs .....**BAJ** $3.48

No. 8—Round socket, with plate, 2¼ in. hole, w't per doz. prs. 18 lbs., per dozen pairs .....**AIE** $324



No. 21.



Nos. 40 and 41.

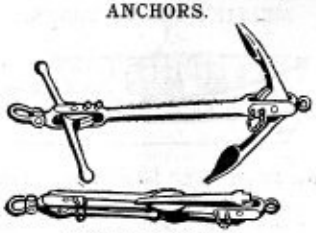
Malleable Iron.

No. 21—Moline, plain, with side plate, 1⅝ in. opening, 2¼ in. center, w't per doz. prs. 2½ lbs., per dozen pairs .....**BIE** $4.92

No. 40—Patent swivel, galvanized, 1¼ in. opening, 2¼ in. center, w't per doz. prs. 2 lbs., per dozen pairs .....**JGEE** 12.60

No. 41—Patent swivel, galvanized, 2 in. opening, 2½ in. center, w't per doz. prs. 2½ lbs., per doz. prs. **JHFE** $14.40

ANCHORS.

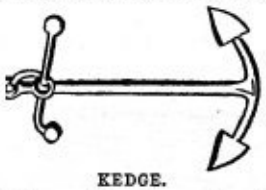


DERIGO FOLDING.

Pounds	4	6	8
Length, in.	17	19	22
Each	$2.14 ACJ	2.60 AEE	3.40 BJE

Pounds	10	12	16	20
Length, in.	23	25	28	30
Each	$4.30 BFJ	5.14 CAJ	6.00 CFJ	7.70 DFE

Pounds, 26 and up, per lb.....**BB** $0.36



KEDGE.

Pounds	4	5	6	7
Black, each.	$1.26 JGE	1.54 JIJ	1.62 AJJ	1.80 AAJ
Galv., each.	$1.50 JIJ	1.80 AAJ	2.00 ABE	2.30 ADJ

Pounds	8	9	10	12
Black, each.	$2.00 ABJ	2.16 ACJ	2.34 ADJ	2.70 AFJ
Galv., each.	$2.60 AEE	2.80 AGJ	3.16 AIJ	3.52 BAJ

Pounds	14	16	18	20
Black, each.	$2.90 AGE	3.06 AHE	3.28 AIE	3.48 BAJ
Galv., each.	$3.76 BBE	3.84 BCJ	4.36 BFJ	4.60 BGE

Pounds .....25 to 100
Black, per pound .....**JI** $0.15
Galv., per pound .....**AB** .20



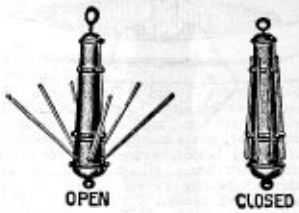
SAFETY.

No. 348—Safety, 9 in., iron, w't per doz. 12 lbs. .....per dozen **DHJ** $8.00

Fold the two flukes back so breakable pin can be inserted into holes. An ordinary match or any pine pin may be used. If used as a boat anchor for casting, insert a lead pin.

ONE IN A BOX.

ANCHORS.



No. 347—Automatic, w't per doz. 10½ lbs., per dozen .....**BGJ** $4.50

Used for trolley fishing, anchoring small boats when hunting or fishing, also for anchoring decoys. Throwing out anchor opens it automatically. To haul in, pull line tight and let go at once. this will loosen anchor and close it up so it can be hauled in easily. Can be carried in pocket or in tackle box.

ONE DOZEN IN A CARDBOARD BOX.

GLUE.



No. 1-G—Jeffery's, special marine canoe, guaranteed to be waterproof, in friction top cans, w't per doz. cans 3 lbs. 15 oz.....per dozen cans **BDJ** $4.00

Its particular properties are those of flexibility and durability, and although it becomes soft and pliant under heat, it still retains its adhesion to timber, fiber, etc., and is clean and insoluble in water.

No canoeist should be without a can of this glue; it is invaluable for quick repairs on either canvas or cedar canoes.

Any puncture or leak in boat or canoe can be repaired in five minutes. It is as necessary to a canoeist as a repair kit is to a bicyclist or an automobilist.

BATHING SUITS.



No. 1508.

No. 1508—Men's cotton, navy, two piece, sleeveless, 1 in. border at armhole and around neck and pants sizes 34, 36, 38, 40, 42 and 44 in.,
per dozen .....JEGJ $12.00

No. 1518—Boys', otherwise same as No. 1508, sizes 26 to 34 in.,
per dozen .....JEDJ $11.50

No. 1519—Men's, strong cotton jersey cloth, form fitting, cluster trim on end of quarter sleeves, bottom of shirt and pants fadeless navy blue, sizes 34 to 44 in. .....per dozen JGHJ $17.00

No. 1516—Men's, fine sea island cotton, navy body, various colored candy stripe on end of quarter sleeves, bottom of shirt and end of pants, sizes 34 to 44 in. ....per dozen JIIJ $24.00

ONE-HALF DOZEN IN A BOX.



No. 1513.

No. 1513—Men's wool worsted, quarter sleeve, navy or Oxford, white and red cluster variegated stripes at bottom of shirt and pants, armhole tipped to match, sizes 34 to 46 in.,
per dozen .....BHHJ $48.00

No. 1514—Sleeveless, otherwise same as No 1513 .....per dozen BHHJ $48.00

No. 1512—Men's, Australian wool worsted, navy with white or red cluster stripes, trimmed on bottom of shirt, pants and quarter sleeves, sizes 34 to 46 in. .....per dozen CFJJ $60.00

No. 1511—Sleeveless, otherwise same as No. 1512 .....per dozen CFJJ $60.00

ONE IN A BOX.

MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledge of the requirements in that locality enables him to handle your orders intelligently.

Your voluntary orders are given the same careful attention as if you were buying the goods from us personally and are billed at the *lowest market prices.*

SHIPPING FACILITIES

With our immense stock and unexcelled shipping facilities we can fill orders with unequaled promptness. On most roads we have through package cars which enable us to reach distant points many hours ahead of shipments made in the regular way.

No. 1 BASE BALL ASSORTMENT.



Nos. B1, B2 and C1.



No. X5.



No. C2.



No. X4.



No. X12½.

This is an Assortment of Excellent Sellers. There is not a "Dead One" in the Lot and Each Article is Full Value at the Price.

"Five Cent" Goods.	Retail Value.
3 doz. No. X13 Balls	$1.80
2 doz. No. X12½ Balls	1.20
1 doz. No. 218 Bats	.60
"Ten Cent" Goods	
2 doz. No. X10 Balls	2.40
½ doz. No. C2 Bats	.60
"Fifteen Cent" Goods	
½ doz. No. X10½ Balls	.90
½ doz. No. C1 Bats	.90
"Twenty-five Cent" Goods.	
½ doz. No. X5 Balls	1.50
½ doz. No. B1 Bats	1.50
½ doz. No. 36 Mitts	1.50
½ doz. No. 56 Gloves	1.50
Forward	$14.40

	Retail Value.
Brought forward	$14.40
"Fifty Cent" Goods.	
¼ doz. No. X4 Balls	1.50
¼ doz. No. A32 Mitts	1.50
¼ doz. No. 164 Gloves	1.50
"One Dollar" Goods.	
⅛ doz. No. AA Bats	3.00
1-12 doz. No. 110 Masks	1.00
¼ doz. No. X00 Balls	3.00
1-6 doz. No. A21 Mitts	2.00
1-6 doz. No. G100 Gloves	2.00
"Two Dollar" Goods.	
1-12 doz. No. A11 Mitts	2.00
1-12 doz. No. 99 Gloves	2.00
Actual Retail Value	$33.90



No. 164.



No. 36.



No. 99.



No. A32.



No. G100.



Window Sign, Diameter 30 in., with Easel Back. One with each Assortment.



No. A11.



No. 56.



No. A21.



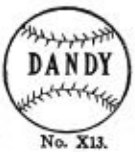
No. X00.



No. X10½.



No. 110.



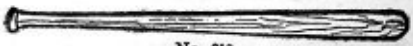
No. X13.



No. X10.



No. AA.



No. 218.

REVO-NOC BASE BALLS.

REVO-NOC TRADE MARK BASE BALL SUPPLIES.

In our line of REVO-NOC Baseball Supplies, you will recognize the true mark of perfect style and finest materials which characterize the substantial productions which bear the REVO-NOC trade mark. We feature the most approved style of discriminating players who place solid construction and finest materials as their standard, and we offer only the very best materials by experienced and skilled workmen. Each article bearing the REVO-NOC trade mark carries with it our guarantee, also the assurance to the buyer that it will give honest measure of service for the purpose for which it is intended. If any defect in material or workmanship appears, the defective article will be replaced, free of charge.



No. **X1** REVO-NOC—American League, is made according to the requirements and specifications of the National and American Leagues, pure para rubber center, wool yarn wrapping and horse hide cover of the very finest quality obtainable, each ball hand sewed with red and black linen thread by the two needle lock stitch process, and every detail of its construction is such as to produce the mots durable and perfect ball offered, each ball wrapped in tissue paper and tin foil, packed in a separate box and sealed according to the league regulations, and is guaranteed for nine innings against ripping, losing its shape or elasticity,
per dozen .....**ABJJ** $20.00



No. **XO** REVO-NOC—Official League, is made according to league specifications, has finest horse hide cover, pure para rubber center and highest quality wool yarn wrapping, sewed with red and green thread, two needle stitch, each ball guaranteed to last nine innings..per dozen **AJHJ** $18.00

PACKED ONE IN A BOX, WRAPPED IN TISSUE PAPER AND TINFOIL.



No. **X00**— REVO-NOC—Professional League, regulation size and weight, rubber ball center, with full wrapping of yarn, sewed with the two needle lock stitch, black and purple thread, and is a most excellent ball at the price, sealed according to league regulations.....per dozen **JIJJ** $15.00

EACH BALL WRAPPED IN TINFOIL; ONE IN A BOX.



No. **X2** REVO-NOC—National Semi-Pro League, has a good wrapping of wool yarn, with rubber center, horse hide cover, red and green stitched, regulation size and weight, guaranteed to give perfect satisfaction,
per dozen .....**JHDJ** $12.00



No. **X3** REVO-NOC—American Association, regulation size, with rubber center and good heavy wrapping of yarn, sewed with red and blue thread, the most popular and durable ball offered at this price..per dozen **JFEJ** $10.00

ONE IN A SEALED BOX.



No. **X6** REVO-NOC—College League, regulation size, compressed sponge center, felt and yarn wrapping, horse hide cover, sewed with two needle stitch, red and blue thread, most popular and durable ball offered at this price, per dozen .....**DHJ** $8.00

ONE IN A SEALED BOX.



No. **X4** REVO-NOC—U. S. Official League, regulation size, rubber center furnished with extra quality yarn, has good horse hide cover, red stitched and is very lively and durable,
per dozen .....**DGJ** $7.80

ONE IN A SEALED BOX.



No. **X5** REVO-NOC—Official Practice, regulation size, rubber center, wool felt and yarn wrapped, selected horse hide cover, very lively and durable ball and represents extra value at the price.....per dozen **BDJ** $4.00

ONE IN A SEALED BOX.

BASE BALLS.



No. X12—Cruso Famous, standard boys' size, carefully made, waterproof caratol cover, double stitched, nicely sewed and finished in a careful manner .....per dozen **JHE** $1.40
ONE IN A BOX.



No. X11 REVO-NOC—Young American, little under regulation size and weight, especially firm center and has a selected double stitched waterproof caratol cover, very popular, per dozen .....**JIE** $1.60



No. X12½—Cruso Hero, in size, material and workmanship, this is the best and largest ball offered at the price, is made of excellent materials and has a carefully stitched waterproof caratol cover.....per dozen **EJ** $0.84



No. X13—Dandy, standard size 5 cent ball, selected waterproof caratol cover, double stitched with red thread, nicely finished ball and will give good service .....per dozen **DH** $0.80
ONE DOZEN IN A BOX.



No. X9 REVO-NOC—Boys' League, made of extra quality lively wool felt, selected horsehide cover, very popular boys' size ball, rubber center, we recommend this as a superior value for the price .....per dozen **BDJ** $4.00



No. X8 REVO-NOC—Home Run, regulation size ball, selected sheep skin cover, per dozen .....**BAE** $3.60
ONE IN A SEALED BOX.



No. X10½ REVO-NOC—Boys' Favorite, regulation size, well made and sewed with double blue thread, selected white sheep skin cover, popular with the boys .....per dozen **ADE** $2.40



No. X10 REVO-NOC—Junior Dead, regulation size, leather cover, double stitched, made with care and attention, per dozen .....**JIE** $1.60
ONE IN A BOX, LEATHER COVERED.



No. 32 REVO-NOC—Yellow Flyer, regulation size and weight, selected compressed felt, covered with yellow colt skin, an extremely lively and durable ball .....per dozen **BDJ** $4.00
ONE IN A SEALED BOX.

REVO-NOC PLAY GROUND BALLS.



No. 27 REVO-NOC—Official, very lively and durable, ball made of compressed sponge, with tan colored cover, size 9 in., this represents an unusual value for the price ....per dozen **BDJ** $4.00

These balls are official for use by the Public Play Grounds Association.

PIC-NIC BALLS.



No. 26 REVO-NOC—A large soft ball, with sheep skin cover, perfect sewing, 11½ in., w't 4 oz., per doz. **BDJ** $4.00
ONE DOZEN IN A BOX.

No. 29 REVO-NOC—Boy's Park Ball, slightly under regulation size, made of soft material and a good grade of sheep skin cover, will not injure the hands .....per dozen **AAJ** $1.80

No. 30 REVO-NOC—Standard size 5 cent soft rubber ball, selected waterproof leather cover, double stitched, nicely finished .....per dozen **EJ** $0.80
ONE DOZEN IN A BOX.

BASE BALLS, BATS, MASKS, ETC.

BASE BALLS.



No. 97—Goldsmith, official League ball, made in strict accordance with the requirements and specifications of the National and American Leagues, official for use in any game played under the National agreement rules, guaranteed for 18 innings against ripping, losing its shape or elasticity, per dozen .....**ABIE** $21.60

ONE IN A BOX, WRAPPED IN TIN FOIL; ONE DOZEN IN A CARTON.

CATCHERS' LEG AND KNEE GUARDS.



The Knee Guard is Made of Molded Sole Leather, Felt Lined and is Joined By Hinge to Leg or Shin Guard Below Knee.

The Leg Guard is padded with felt and reinforced with rattan reeds, quilted and covered with tan khaki cloth, has ankle protectors fitted with adjustable elastic straps and snaps, w't per doz. prs. 25 lbs.,
per dozen pairs.....**BHHJ** $48.00

TOE AND HEEL PLATES.



Nos. 5 and 4.
Nos. 10 to 12. Nos. H10 to H12.

Complete with Screws or Rivets.

No. 10—Toe, professional, best quality steel .....per dozen pairs **AIJ** $3.20
No. 11—Toe, fine quality blued rolled steel.....per dozen pairs **ACJ** $2.20
No. 12—Toe, amateur, good quality steel .....per dozen pairs **JFE** $1.10
No. 5—Pitchers' toe, aluminum, right or left .....per dozen **AEJ** $2.50
No. 4—Pitchers' toe, brass, right or left .....per dozen **AEJ** $2.50
Specify for right or left shoe when ordering pitchers' toe plates.
No. H10—Heel, professional, best quality steel, per dozen pairs **AIJ** $3.20
No. H11—Heel, fine quality blued rolled steel.....per dozen pairs **ACJ** $2.20
No. H12—Heel, amateur, good quality steel.....per dozen pairs **JFE** $1.10

ONE DOZEN PAIRS IN A BOX.

"LOUISVILLE SLUGGER" BATS.



No. 40TC—Ty Cobb, made from choice second growth ash, straight grain, hand turned, made from model used by this famous slugger, golden flame burnt finish, highly polished, photo "trade mark" transfer of the celebrated batter, lengths 32 to 36 in., w't about 25 lbs., per dozen **JIFJ** $16.00

No. 40L—Napoleon Lajoie, per dozen .....**JIFJ** 16.00

No. 40W—J. Hans Wagner model, per dozen .....**JIFJ** $16.00

No. 40FB—"Good Night" Frank Baker model .....per dozen **JIFJ** $16.00

No. 40EC—Eddie Collins model, per dozen .....**JIFJ** $16.00

ALL ABOVE, THREE DOZEN IN A CRATE.



No. 40TCJ—Ty Cobb Junior, youth's size, second growth ash, straight grain, hand turned, flame, burnt finish, highly polished, length 32 in., w't about 20 lbs.....per dozen **DBJ** $7.00

MASKS.



No. 200 REVERSIBLE—Sun shade, heavy steel, electric welded, black enameled, hair stuffed leather pads, made on a professional model,
per dozen .....**BHHJ** $48.00

This mask with the new style continuous hair filled pads and the sun shade attachment makes the most satisfactory mask ever produced.

ONE IN A BOX.

MASKS.



No. 117.



Nos. 113-110.

No. 117 REVERSIBLE—Men's professional, special neck protector, padded, with chin piece, finest cold drawn steel wire and clamps, electric welded, burnished and copper plated, black hair filled leather pads, extra heavy, per dozen .....**BEBJ** $42.00

Made and finished in a careful manner by experienced workmen.

No. 113 REVERSIBLE—Professional league mask, black enameled extra heavy steel wire, electric welded, very fine horsehide pads, stuffed, leather chin piece .....per dozen **AIBJ** $32.00

Made with the idea of making a strong and serviceable mask that will give entire satisfaction.

No. 111 REVERSIBLE—Men's size, black enameled steel wire joints, electric welded, chin and forehead of leather, hair filled leather pads,
per dozen .....**ADDJ** $24.00

A perfectly safe and reliable mask, well braced, being held together in such a manner that it will not become loose by usage.

No. 110 REVERSIBLE—Amateur size, black enameled steel wire, chin and forehead pieces of leather, well filled pads,
per dozen .....**JIJJ** $15.00

ALL ABOVE, ONE IN A BOX.



No. 18.



No. 25.

No. 18 REVERSIBLE—Amateur size, very heavy enameled wire, electric welded, well stuffed pads,
per dozen .....**JFIJ** $11.50

ONE IN A BOX.

No. 25 REVERSIBLE—Youths' size, black enameled heavy wire, well stuffed pads .....per dozen **DHJ** $8.00

No. 16 REVERSIBLE—Youths' size, silver finished heavy wire, four well stuffed pads, elastic strap,
per dozen .....**BDJ** $4.00

NOS. 25 AND 16, ONE-HALF DOZEN IN A BOX.

BASE BALL BATS.

THE REVONOC CUB LINE.

The REVONOC "Cub" Bats are made of finest quality selected second growth white ash, thoroughly seasoned, in the following shapes and models, by men who have made bat making a life study. All REVONOC "Cub" bats are hand turned and finished, and for elegance of appearance, perfection of balance and length of life are unequaled.

The word REVONOC is burned into the wood and the magnificent coloring of the "Cub" transfer adds much to the attractiveness of the line.



No. X REVONOC—"Cub," natural finish, shellaced and polished, assorted lengths 32 to 35 in., w't per doz. 24¼ lbs., per dozen ..... JGHJ $13.00



No. XX REVONOC—"Cub," ebony finish, taped handle, assorted lengths 32 to 35 in., w't per doz. 25½ lbs., per dozen ..... JHFE $14.40



No. XXX REVONOC—"Cub," flame burnt finish, shellaced and polished, mushroom handle, length 32 to 35 in., w't per doz. 27 lbs. ..... per dozen JGHJ $13.00



No. XXXX REVONOC—"Cub," waxed and polished, grain filled with light brown filler, taped handle, assorted lengths 32 to 35 in., w't per doz. 24 lbs. ..... per dozen JHFE $14.40



No. A2 REVONOC—"Cub," boys', flame burnt finish, taped handle, length 31 in., w't per doz. 25½ lbs., per dozen ..... DBJ $7.00



No. AA REVONOC—Fine quality, second growth white ash, well seasoned, flame burnt finish, assorted sizes 32 to 35 in., w't per doz. 16 lbs. ..... per dozen JFCJ $10.50



No. AB REVONOC—Ebony finish, assorted sizes 32 to 35 in., w't per doz. 25 lbs. ..... per dozen DEJ $7.50



No. B1 REVONOC—Men's, strictly second growth air dried white ash, flame burnt finish, assorted lengths 32 to 35 in., w't per doz. 27 lbs. ..... per dozen BCJ $3.80

No. B2 REVONOC—Boys', strictly second growth air dried white ash, flame burnt finish, length 32 in., w't per doz. 24 lbs., per dozen ..... BCJ $3.80

No. C1 REVONOC—Boys', second growth white ash, flame burnt, length 31 in., w't per doz. 12 lbs., per doz. AEE $2.60



No. C2—Boys', white ash, painted green, with striking red band and black stripes, length 30 in., w't per doz. 13½ lbs., per dozen ..... JIE $1.70



No. 218—Boys', white ash, plain finish, length 30 in., w't per dozen 12¼ lbs. ..... per dozen JEJ $0.90

NOS. A2, C1, C2 AND 218, FOUR DOZEN; BALANCE, THREE DOZEN IN A CRATE.

REVONOC CATCHERS' MITTS.

REVONOC NEW RIMLESS.

Constructed with Narrow Edge Band at Top of Bitt Graduating to a Wide Band at Bottom. This Feature Enables the Padding to be Graduated from a Heavy Heel or Hump at Bottom of Mitt to a Lightly Constructed Top Rim.



No. M7.

No. M7 REVONOC—Made throughout of highest quality selected russet French Calfskin, double stitched throughout with linen thread, full laced edge rim enabling player to adjust padding when required, laced with rawhide laces, thumb is laced to body of mitt forming a deep pocket, back of mitt has leather stiffener to crotch of fingers, thus giving the player a firm grip on mitt, the last finger and thumb extends to rim of mitt and is thong laced and has extended chafe felt lined under buckle, heavy 1 inch leather writs strap, the padding is made of best quality asbestos felt hand formed and stitched,
per dozen ..... **JFGBJ** $112.00

No. M4 REVONOC—Face, fingers and edge band made of selected black horsehide, with tan welted seams, back of mitt made of heavy black mitten leather, green leather binding, double stitched throughout, white rawhide laces, contains same features as our No. M7 mitt, padded with our combination asbestos felt padding, a well made and very popular mitt,
per dozen ..... **CFJJ** $60.00

No. A17 REVONOC—Face and fingers made of brown calfskin, back and edge band of heavy oak tan mitten leather, with black welted seams, black leather binding with white leather laces, double stitched throughout, contains same features as our high grade mitts, correctly padded with our new style encased padding with well formed deep pocket .....per dozen **BHHJ** $48.00

No. A18 REVONOC—Face and fingers made of pearl calfskin, back and edge band of heavy oak tan mitten leather, with black welted seams, black leather binding with white leather laces, double stitched throughout, contains same features as our high grade mitts, correctly padded with our new style encased padding with well formed deep pocket.....per dozen **BCGE** $45.00

No. A11 REVONOC—Face and fingers made of smoked grain mitten leather,, back and edge band of heavy oak tan mitten leather with black welted seams, wine leatherette binding with black cord laces, double stitched throughout, correctly padded with our new style encased padding with well formed deep pocket, per doz. **AHJJ** $30.00

ONE IN A BOX.

REVONOC HERCULES.

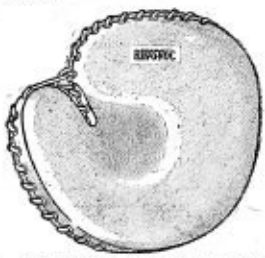
Designed for those desiring a Rounder Model Catchers' Mitt, the Palm or Face of Mitt is so designed and constructed to be laced directly to the Edge Band at Crotch where Thumb joins the Palm, thus obviating any chance to tear or break at this point and greatly assists in forming a Perfect Natural Deep Pocket.



No. M6 REVONOC—Face and fingers made of selected drab velvet finished buckskin, back and edge band made of russet calfskin, double stitched throughout, olive leather binding, full laced edge rim, laced with rawhide laces, thumb is laced to body of mitt, back of mitt has inside leather stiffener from top to crotch of fingers which gives the player a firm grip on mitt, fingers and thumb extend to edge rim and are thong laced, has extended chafe felt lined under buckle with heavy 1 in. leather wrist strap, padding is constructed of best quality asbestos felt, hand formed and stitched and given as careful attention as our highest grade mitts,
per dozen ..... **EGFJ** $96.00

REVONOC SCOOP MODEL.

Designed for those desiring a Thinly Padded Mitt at Top, the lower part of Mitt has an Extension Rim which enables a heavy raised Roll or Hump to be built at the Heel and greatly assists in forming a Natural Deep Pocket.



No. M5 REVONOC—Made throughout of tan brown selected calfskin, double stitched throughout, olive leather binding and welt, full laced edge rim thumb is laced to body of mitt, white rawhide laces, back of mitt has leather lining from top to crotch of fingers which gives the player a firm grip on mitt, fingers and thumb extend to edge rim and are thong laced, has extended chafe felt lined under buckle with heavy leather wrist strap, padding is constructed of best quality asbestos felt, per dozen **DFHJ** $78.00

ONE IN A BOX.

REVONOC STANDARD.

Made on Our Regular Models with Many Improvements.



No. B10.

All are full laced edge rims, enabling player to adjust padding when required. Thumb laced to body of mitt forming a deep pocket. Corectly padded. Leather strap and buckle at wrist.

No. B10 REVONOC—Face and fingers made of good quality black "calfine" leather, back and edge band made of heavy black mitten leather, white double stitched, wine leatherette binding, full white flat laced,
per dozen ..... **ADDJ** $24.00

No. 306½ REVONOC—Face, fingers and back made of pearl colored heavy mitten leather, oak tan edge band, triple stitched, red fabric binding, white eyelets and white laces, balance of construction same as our No. B10,
per dozen ..... **AJHJ** $18.00

No. 35 REVONOC—Black mitten leather throughout, edge band with white welt, white eyelets, white stitched and full white flat laced, black fabric binding, balance of construction same as our No. B10,
per dozen ..... **JIFJ** $16.00

No. A21 REVONOC—Oak tan mitten leather throughout, triple stitched edge band, white eyelets, black stitched and full black flat laced, wine fabric binding, balance of construction same as our No. B10,
per dozen ..... **JIFJ** $16.00

ONE IN A BOX.

No. 304 REVONOC—Made throughout of black mitten leather, white stitched, black fabric binding, large size full leather mitt, without laced edge, correctly padded palm, strap and buckle at wrist.....per dozen **JGBJ** $12.00

No. A32 REVONOC—Palm and fingers made of black mitten leather, edge band wine leather, black canvas back, white stitched, correctly padded palm, strap and buckle at wrist, large size,
per dozen ..... **CIJ** $6.50

ONE-THIRD DOZEN IN A BOX.

No. 36 REVONOC—Face and fingers made of smoked grain leather, olive leather edge band, tan canvas back, red fabric binding, strap and buckle at wrist, correctly padded,
per dozen ..... **BDJ** $4.00

ONE-HALF DOZEN IN A BOX.

REVONOC BASEMEN'S AND FIELDERS' MITTS.

BASEMEN'S.

Our New Ketchal Model Basemen's Mitts fills a long desired want. Constructed on Practical Ideas.



No. B-4 REVONOC—Made throughout of selected black calfskin, green leather welt and binding, white rawhide laced, the palm is made of one piece of leather, the back or cover is double leather with finger stalls, insuring safety to the fingers, extended leather chafe felt lined under buckle, heavy 1 inch strap at wrist, full laced with leather laces, and thumb is laced to palm of mitt assisting to form a natural pocket, double stitched throughout, the padding is made of best quality asbestos felt hand stitched and formed, and is so constructed as to conform to the action of the hand,
per dozen .....CFJJ $60.00

REVONOC REDY BROK.

A very desirable model, has the endorsement of many eminent first basemen, originally designed by Frank Chance, differs from other basemen's mitts by having the fingers stitched to the back of mitt, giving the player great control and the use of all fingers.



No. B35.

Heavy 1 inch Strap at wrist. Full leather laced and thumb is laced to palm of wrist assisting to form a natural pocket. Padding is made of best quality asbestos felt hand formed and stitched and so constructed they require no breaking in.

Our Redy Brok Model is made in the following colors—

No. B35 REVONOC—Palm and fingers made of drab velvet finished buckskin, back made of tan mitten leather, green leather binding and white leather laces....per dozen BHHJ $48.00

No. B2 REVONOC—Face made of pearl colored calfskin, back and fingers made of oak tan mitten leather, wine leatherette binding, white full laced, per dozen .....AIBJ $32.00

The fingers extend to edge of mitt and are laced to edge rim, and have extended leather chafe felt lined under buckle.

ONE IN A BOX.

BASEMEN'S.

Constructed with a three section cover back. A very desirable model, and has all the features of a high grade basemen mitt.



Standard

No. B1 REVONOC—Face made of tan brown horsehide, back and cover made of oak tan mitten leather, green leather binding, white stitched and rawhide laces, full laced edge rim and thumb is laced to palm forming a deep pocket, padded with best quality asbestos felt with inside hump, 1 inch heavy strap and buckle at wrist.....per dozen BEBJ $42.00

ONE IN A BOX.

The following first basemen's mitts are made similar to Redy Brok model, have finger back, full laced edge rim, thumb is laced to palm of mitt forming a deep pocket, strap and buckle at wrist.

Made in the following leathers—

No. B3 REVONOC—Made throughout of selected black mitten leather, black leatherette binding, white eyelets and white flat laces, padded with best asbestos felt, per dozen ADDJ $24.00

No. B-9 REVONOC—Palm made of smoked Indian tan grain leather, back and fingers of wine colored leather, wine leatherette binding, white full laced, correctly padded palm, strap and buckle at wrist, per doz. JIFJ $16.00

ONE IN A BOX.

REVONOC COVERED BACK.



No. BM75.

No. BM75—Face and cover back made of black mitten leather, back made of black canvas, lace edge rim, enabling player to adjust padding, thumb laced to palm forming a deep pocket, orange stitched, white eyelets, tan cord lace, correctly padded palm, strap and buckle at wrist,
per dozen .....JGDE $12.40

No. BM50 REVONOC—Face and cover back made of black leather, back black canvas, stitched edge rim, thumb laced to palm forming a deep pocket, white stitched, correctly padded palm, strap and buckle at wrist,
per dozen .....EJE $8.40

ONE-HALF DOZEN IN A BOX.

FIELDERS'.

Combination Fielder and Basemen's Mitts, Constructions very similar to a Catcher's Mitt, smaller in size, and very lightly padded.



No. F6.
Improved.

Has Extension Band at Heel, Full eyeleted Edge Rim, enabling player to adjust padding when required, Thumb laced to body of Mitt forming a Natural Pocket, Padding is best quality Asbestos Felt, Hand stitched and formed, Strap and buckle at Wrist.

Made in the following qualities and leathers—

No .F6 REVONOC—Face and fingers made of smoked velvet finished leather, back and edge band made of tan colored mitten leather, black leatherette binding, white full laced,
per dozen .....AEHE $27.00

No. F9 REVONOC—Face and fingers made of pearl colored kid leather, back and edge band of black grain leather, black leatherette binding, white laces,
per dozen .....JIFJ $16.00

ONE IN A BOX.

REVONOC REGULAR STANDARD.



No. FL7.

No. FL7 REVONOC—Made of black grain kid leather throughout, wine leatherette binding, felt padding, strap and buckle at wrist, per doz. JGBJ $12.00

No. F12 REVONOC—Palm made of olive green Napa leather, with wine Napa leather cover, wine leatherette bound edge, tan canvas back correctly padded, strap and button at wrist, per dozen .....DHJ $8.00

Boys' Size.

No. F11 REVONOC—Palm and cover made of wine Napa leather, black fabric binding, tan canvas back, correctly padded palm, strap and buckle at wrist.....per dozen BEJ $4.20

ONE DOZEN IN A BOX.

REVONOC FIELDERS' GLOVES.

REVONOC REDY BROK.

Designed on the most scientific principles and without exception the best Fielder's Glove Model ever offered.



No. 94.

Correctly padded with best quality felt, invisible hump and webbed thumb piece.

Made in the following qualities and leathers—

No. 90 REVONOC—Made of highest quality drab buckskin, black welt and black leather binding, full leather lined, per dozen ..... **BHHJ** $48.00

No. 94 REVONOC—Made of highest quality tan calfskin, olive welt and olive leather binding, full leather lined, per dozen ..... **CJIE** $51.60

No. 290 REVONOC—Made of highest quality drab velvet finished horsehide, black welt and black leather binding, full leather lined, per dozen **BEIJ** $43.20

No. 91 REVONOC—Made of selected black horsehide, olive welt and olive leather binding, full leather lined, per dozen ..... **BHHJ** $48.00

No. 95 REVONOC—Made of selected maple tan horsehide, wine welt and wine leather binding, full leather lined, per dozen ..... **BHHJ** $48.00

No. 196 REVONOC—Made of good quality black horsehide, wine welt and wine leather binding, full leather lined, per dozen ..... **AIBJ** $32.00

No. 180 REVONOC—Made of black calfskin, tan welted seams and tan leather binding, leather lined palm, fingers and thumb, felt lined back of fingers, per dozen ..... **AEHE** $24.00

The palm is designed and cut in such a manner as to give it a fullness when closing the hand and forms a perfect pocket. This feature renders it impossible to rip, tear or break at the crotch or fingers.

Exceptional care is given in the selection of the materials used in the construction of our Redy Brok Gloves and they are rigidly inspected and tested before shipment is made. This model has the endorsement of the greatest fielders in the major leagues for perfection, durability and speed. Every Redy Brok Fielders' Glove absolutely guaranteed.

ONE IN A BOX.

REVONOC PALMLESS.

Made on our Celebrated Wide Little Finger Model.



No. 192.

Improved invisible hump, web thumb and made of highest quality leathers in their respective qualities. Made in the following leathers.

No. 192 REVONOC—Made of especially tanned ecru colored velvet finished buck, black welt and black leather binding, full leather lined, per dozen ..... **BDJJ** $40.00

No. 96 REVONOC—Made of selected maple tan horsehide, olive welt and olive leather binding, full leather lined, per dozen ..... **AIBJ** $32.00

No. 296 REVONOC—Made of best quality black kid leather, wine welt and wine leather binding, full leather lined, per dozen ..... **ABIE** $21.60

The felt padding in center of glove is removed and padding is then stitched to leather lining, thereby making a very soft and pliable lightly padded glove and requires no breaking in.

ONE IN A BOX.

REVONOC LACED BOTTOM.

Made on our celebrated Redy Brok Model and contains all its characteristics besides the lacing feature which enables the player to adjust the padding should it be necessary for any reason.



No. 99.

Correctly padded with invisible hump, web thumb, made in the following qualities and leathers—

No. 299 REVONOC—Made of good quality black grain horsehide, wine felt and wine leather binding, white rawhide lace, full leather lined, per dozen ..... **BAFJ** $36.00

No. 99 REVONOC—Made of best quality smoked velvet finished kid leather, olive welt and olive leather binding, white lace, full leather lined, per dozen ..... **AHJJ** $30.00

No. 126 REVONOC—Made of best quality oak tan kid leather, olive welt and olive leather binding, white lace, full leather lined, per dozen **ABJJ** $20.00

ONE IN A BOX.

REVONOC WIDE HEEL.

Made on our Wide Heel Model, very wide at bottom or wrist of glove, popular with many infielders as they are very large and roomy.



No. 93.

Invisible Hump, Webbed Thumb Piece, slightly heavier padded at Heel. The construction differs in the different qualities as described below.

No. 93 REVONOC—Made of selected quality pearl calfskin, seams tan welted and tan leather binding, full leather lined, per dozen ..... **BDJJ** $32.40

No. 182 REVONOC—Made of best quality smoked Indian tan velvet finished kid leather, seams wine welted and wine leather binding, full leather lined.....per dozen **ADDJ** $24.00

No. 186 REVONOC—Made of smoked Indian tanned kid leather, full felt lined, with leather palm and thumb, black leatherette binding, per dozen ..... **JIFJ** $16.00

No. 82 REVONOC—Made of black kid leather, black leatherette binding, white stitched, full felt lined with leather palm and thumb, per dozen ..... **JIFJ** $16.00

No. 182-RH REVONOC—Right hand, otherwise same as No. 182 REVONOC, per dozen ..... **ADDJ** $24.00

REVONOC SPECIAL PROFESSIONAL.

Our Special Professional Model, large little finger and web thumb connection, correctly padded with best quality felt with invisible hump which forms a deep pocket



No. BG125.

The construction differs in the different qualities as described below.

No. BG125 REVONOC—Made of good quality black grain leather, tan welted seams and black leather binding, full leather lined, per dozen **ABJJ** $20.00

No. G188 REVONOC—Made of oak tan grain leather, black welted seams and black leatherette binding, full leather lined.....per dozen **AJAJ** $16.80

ONE IN A BOX.

No. G100 REVONOC—Made of olive green grain leather, wine welted seams and wine leatherette binding, full leather lined.....per dozen **JIFJ** $16.00

No. G100-RH REVONOC—Right hand, otherwise same as No. G100 REVONOC, per dozen ..... **JIFJ** $16.00

ONE-HALF DOZEN IN A BOX.

REVONOC AND REVONOC DUK-FUT FIELDERS' GLOVES.

FIELDERS'.



No. BG75.

Made on our Semi-Pro Model, full size, felt padded with inside hump, web thumb connection and a very desirable model.

No. 165 REVONOC—Made of slate color grain leather, white welted seams and black fabric binding, leather lined palm and correctly felt padded, per dozen .....**EJE** $8.40

No. BG75 REVONOC—Made of black grain leather, white welted seams and black fabric binding, leather lined palm and correctly felt padded,
per dozen .....**JGBJ** $12.00
ONE IN A BOX.

No. G75 REVONOC—Made of pearl grain leather, tan welted seams and tan fabric binding, leather lined palm and correctly felt padded,
per dozen .....**JGBJ** $12.00
ONE-HALF DOZEN IN A BOX.

No. 83 REVONOC—Made of brown grain Napa leather, black welted seams and black fabric binding, leather lined palm and correctly felt padded,
per dozen .....**JGBJ** $12.00
ONE IN A BOX.

No. 64 REVONOC—Made of brown Napa leather, red fabric binding, white stitched, felt palm and fingers with inside hump....per dozen **DHJ** $8.00
ONE-HALF DOZEN IN A BOX.

REVONOC AMATEUR.



No. 164.

The palm, thumb and fingers are cut in one piece, web thumb connection forming a deep pocket, correctly lined and padded and have invisible hump. Constructed and furnished in various leathers as the following descriptions.

Men's Size.

No. 164 REVONOC—Made of black Napa leather, black fabric binding, white stitched, leather lined palm, felt padding, inside hump,
per dozen .....**DHJ** $8.00

No. G60 REVONOC—Made of pearl Napa leather, black fabric binding, white stitched, full felt lined and padded and inside hump,
per dozen .....**EJE** $8.40
ONE-HALF DOZEN IN A BOX.

REVONOC YOUTHS'.



No. BG50.

Large Size.

No. BG50 REVONOC—Semi-Pro model, made of black kid leather, white welted seams and black fabric binding, felt padded with leather lined palm and inside hump,
per dozen .....**DHJ** $8.00

REVONOC BOYS'.



No. 56.

No. B122 REVONOC—Brown Napa leather, black fabric binding, felt padded with leather lined palm,
per dozen .....**BDJ** $4.00

No. 56 REVONOC—Pearl Napa leather, red fabric binding, felt padded palm and fingers with inside hump,
per dozen .....**BEJ** $4.20
ONE DOZEN IN A BOX.

REVONOC DUK-FUT.

The construction of the Duk-Fut Glove is entirely different from the old style fielder gloves.

It has been thoroughly tested and approved by the greatest fielders of the day.



No. D150-P.

Made of the best selected leather in their respective grades as follows.

No. D150-P REVONOC—Duk-Fut, College, finely selected pearl kid leather, wine binding, full leather lined,
per dozen .....**ADDJ** $24.00

No. D100-T—Champion, good quality brown kid leather, black binding, felt lined, with leather palm and finger,
per dozen .....**JIFJ** $16.00

No. D100-YT REVONOC—Duk-Fut, League Jr., tan kid leather, black binding, felt lined, with leather palm and fingers, youth's size,
per dozen .....**JIFJ** $16.00

The entire face or palm and fingers of the REVONOC *Duk-Fut Glove is cut on one piece of leather which forms webs between the fingers rendering it impossible for the glove to tear and prevents split fingers or injury to the hand, thus greatly assisting the player in fielding.*

Requires no breaking in and is ready for use at time of purchase.

Every glove guaranteed perfect or money refunded.

ONE IN A BOX.

BASE BALL CLOTHING AND SUNDRIES.

REVONOC BASE BALL SHOES.



No. 15 REVONOC—Chrome box veal, single flexible oak soles, blued steel heel and toe plates, w't 1½ lbs., per dozen pairs .....**BHAJ** $43.20
Sizes 6 to 10 in stock.

No. 17 REVONOC—Gun metal calf, low cut sprint style, flexible shank, blued steel heel and toe plates, w't 1½ lbs., per dozen pairs .....**CFJJ** $60.00
Sizes 6 to 9 in stock.

No. 19 REVONOC—Kangaroo calf, low cut sprint style, very flexible shank, hand forged, blued steel heel and toe plates, rawhide laces, w't 1½ lbs., per dozen pairs .....**DHBE** $80.40
Sizes 6 to 9 in stock.

All **REVONOC** *shoes fully guaranteed.*

ONE PAIR IN A BOX.

BASES.



No. 24.

Complete with Straps and Spikes.

No. 24—Heavy canvas, quilted, w't per set 15 lbs. .....per set, 3, **DEJ** $7.50

REVONOC PROTECTORS.



No. 4 REVONOC—League pattern, regulation size, best quality rubber cloth, air chambers, so constructed as not to interfere with the movements of the wearer, light and absolute protection to the body.....each **DBJ** $7.00

SCORE BOOKS.

No. 2SB—Pocket size, cloth cover, 22 games .....per dozen **BAE** $3.60

READY MADE BASE BALL UNIFORMS.



The increasing demand for prompt deliveries of Base Ball Uniforms during the past few seasons has made it necessary for us to add to our line a complete stock of Ready Made Base Ball Uniforms.

The materials and color combinations have been carefully selected by a firm thoroughly experienced in designing Base Ball Uniforms for Major League Clubs. The fit and workmanship is guaranteed, and the uniforms are equal to any custom made uniform.

These unifbrms are not lettered. However, we can furnish plain block letters in colors as follows—Maroon, navy blue, purple, white, green and black. These are easily put upon any uniform by laying them on the shirt in design desired, placing a cloth over the letters and pressing with a hot flat iron—for more security, the letters may be stitched. If special monograms or designs are wanted, they can be had in two to four days.

Our uniforms are packed one suit complete in a box, consisting of shirt, pants, cap, belt and stockings.

All seams felled, double stitched and reinforced at points of greatest strain.

See color card for descriptions of colors and styles of suits. Card will be sent free of charge on request.

All Sizes Chest Measurements.

No. 10—Made of 14 oz. good quality flannel, colors, 101, 102 and 103, sizes 36 to 42, w't per suit 3 lbs., complete suit .....**FHJ** $8.50

No. 8—Made of fine quality all wool, 13 oz. flannel, colors, 81, 82 and 83, sizes 36 to 42, w't per suit 2½ lbs., complete suit .....**FJJ** $7.50

No. 17—Made of a good quality wool mixture home spun construction 16 oz. flannel, colors, 75, 76 and 77, size 36 to 42, w't per suit 3 lbs., complete suit .....**EJJ** $6.25

No. 7—Made of a good quality wool and cotton mixture, colors, 71, 72 and 73, size 36 to 42, w't per suit 2½ lbs., complete suit .....**DDJ** $5.50

No. 6—Made of a combination wool and cotton mixture, colors, 61, 62 and 63, sizes 36 to 42, w't per suit 2½ lbs., suit complete .....**CFJ** $4.50

No. 5—Made of selected cotton mixture wool, flannel finished, colors, 51, 52 and 53, sizes 36 to 42, w't per suit 2½ lbs. ....suit complete **CJJ** $3.75

No. 4—Made of heavy twill weave flannelette, the best the mills can produce for a low price baseball uniform, colors, 31, 42 and 43, sizes 36 to 42, w'e per suit 2 lbs., suit complete .....**BDJ** $3.00

No. 3—Made of heavy twill weave flannelette, the best the mills can produce for a low priced baseball uniform for boys, colors 31, 32 and 43, sizes 28 to 34, w't per suit 2 lbs., suit complete .....**BJJ** $2.50

All above suits put up one in a box.

BASE BALL CAPS.

Qualities and Colors to Match Our Ready Made Uniforms.

No. 8—Philadelphia style, fancy colored, corded seams and visor, eyeleted ventilations, indestructible visor, stitched leather sweat band, per dozen .....**GBJ** $9.00

No. 7—Same style, seams and sweat band, fancy colored visor, per dozen .....**EGE** $7.20

No. 6—Same style, per doz. **DGE** 6.00

No. 5—Boston style, fancy colored, corded seams and visor, leatherette visor .....per dozen **CIJ** $4.80

No. 4—Same style, fancy colored visor, well lined .....per dozen **BDE** $3.00

No. 2—Same style, per doz. **ADE** 1.80

ALL NOS., W'T PER DOZEN 2 LBS.

BASE BALL STOCKINGS.

Have 4 Inch Fancy Colored Band Stripe on Calf.

No. 03—Heavy weight wool, ribbed, white cotton feet, in any combination of colors, w't per doz. prs. 5 lbs., per dozen pairs .....**GBJ** $9.00

No. 04—Heavy ribbed cotton, white feet, in any combination of colors, w't per do. prs. 4 lbs., per doz. prs.**DGE** $6.00

No. 6—Medium weight, ribbed cotton, plain black only, w't per doz. prs. 3½ lbs. ...per dozen pairs **BDE** $3.00

BASE BALL BELTS.

No. 6—Black or russet, single harness leather, 1½ in. wide, nickel plated buckle, w't per doz. 2¼ lbs., per dozen .....**DGE** $6.00

No. 7—Navy blue, maroon, black, green and white, 2½ in. cotton web, ⅞ in. X plated buckle and strap, w't per doz. 2 lbs. .....per dozen **DGE** $6.00

No. 9—Navy blue, maroon and white, 2 in. cotton web, adjustable auto clasp, w't per doz. 1 lb., per dozen .....**ADE** $1.80

LETTERS FOR UNIFORMS.

Plain Block, 2¼ in. .....each **D** $0.05

Prices of Monograms and Special Designs furnished on receipt of design.

REVONOC TENNIS RACKETS.

REVONOC Rackets are the product of a manufacturer with 35 years experience in tennis racket manufacture. The wood selected for frames is the choicest second growth ash, which, after thorough seasoning, is bent into frames and these frames are dried by special process. The stringing is done entirely by expert workmen and with the best gut obtainable.

We guarantee REVONOC Rackets, any frame breaking and showing defective material or workmanship will entitle the owner to a new racket. This applies only to rackets weighing 13 oz. or more. All rackets to be sent in for our inspection charges prepaid.



Tournament. Expert.

Tournament—Large size handle, strung with extra quality gut, w't 13 to 14½ oz. .....each **EDJ** $9.00

Its shape is a graceful tapered oval. Cane shoulders add strength to the frame's inner sides near the wedge which reinforce the racket where strength is most needed.

Expert—Cedar handle, extra number of vertical strands through the center of the mesh, w't 13 to 14½ oz., each .....**DHJ** $8.00

The extra stringing of gut through the center of the mesh, on the "Expert" rackets increases the driving power and durability.



Duchess. Vantage.

Duchess—Combed handle, strung with oriental gut, narrow oval shape, full size, w't 12 to 13½ oz., each .....**DBJ** $7.00

This is a new racket combining an up-to-date narrow, oval frame, with a close strung center with round shaped handle.

Vantage—Large size handle, strung with extra quality gut, w't 13 to 14 oz.....each **DEJ** $7.50

The frame is bent on elongated oval with beveled sides and reinforced at shoulders with silk wrappings.



Jackson Park. Chicago.

Jackson Park—Combed handle, strung with oriental gut, oval shape, full size, w't 13 to 14½ oz., each .....**CFJ** $6.00

This racket is especially recommended as an ideal ladies' racket. The frame is lightened by having all edges slightly rounded, the shape being a finely designed oval. Stringing is close center.

Chicago—Combed handle, strung with oriental gut, narrow oval frame, full size, w't 13 to 14½ oz., each .....**CJJ** $5.00

This is the most remarkable value in a racket on the market for the price. Includes all the latest features, such as the narrow oval frame with close center stringing.



Riverside. Washington Park.

Riverside—Combed handle, tournament strung with imported gut, w't 12½ to 14 oz.....each **BGJ** $4.50

Particular attention is given to the stringing. The finish is exceptional. The balance perfect.

Washington Park—Combed handle, strung with oriental gut, w't 12½ to 14½ oz.....each **BAE** $3.60

These are designed for a first-class racket at a moderate price.



Calumet. Cleveland.

Calumet—Combed handle, strung with oriental gut, full size, w't 12½ to 14 oz.....each **AHE** $3.16

The "Calumet" is one of the most popular rackets, bearing the REVONOC brand. Strongly made, handsomely finished.

Cleveland—Combed handle, strung with extra quality gut, oval shape, w't 12 to 14 oz.....each **AGE** $2.90



Buckingham. Sterling.

Buckingham—Cedar handle, strung with good quality gut, ...each **AEJ** $2.50

Well made of first class materials.

Sterling—Cedar handle, strung with good gut, each .....**ABJ** $2.00

Cub—Cherry handle, well finished and strung, checkered, each .....**JIJ** $1.50

Well made and finished.

TENNIS RACKETS AND BALLS.

WRIGHT AND DITSON'S.

Wright & Ditson rackets weighing 13 oz. and over are guaranteed by the manufacturers for 30 days after date of purchase. Rackets on which claim of defect is made must be forwarded for inspection and all transportation charges paid by the sender.



Pim. Campbell.

Pim—Plain cedar handle, made in weight 13½ and 14 oz. only, each ..... **JFCJ** $10.50

The frame is made of lively ash, and is bound with light but strong tape near the throat, which does not interfere with the natural spring in the wood, and is strung with the very best English gut.

Campbell—Made in weights 13 to 14½ oz.....each **DBJ** $7.00

The Campbell racket in its new shape is a great success. It is strung with English gut.

Sears—Made in weights 13, 13½ and 14 oz.....each **DBJ** $7.00

The Sears racket is made in the latest model, and is strung with English gut and contains extra center strings.

Champion—Made in weights 13, 13½ and 14 oz.....each **CCE** $5.60

The Champion racket is made in the new and popular Ward & Wright shape, and is strung with an excellent quality of white gut, and contains the extra center strings.

Longwood—Made in weights 12½, 13, 13½ and 14 oz.....each **BIJ** $4.80

This racket has for a long time been one of the most popular. It is strung with a good quality of gut.

Columbia—Made in weights 13, 13½ and 14 oz.....each **BDJ** $4.00

This racket is made after the latest models, and is strung with good gut, with the extra center strings.

Park—Made in weights 13, 13½ and 14 oz.....each **BAJ** $3.50

Well finished throughout, and is strung with good quality gut.

Country Club—Made in weights 12½, 13 and 13½ oz.....each **BAJ** $3.50

This is a new style racket, strung with good gut, containing extra center strings.

Hub—Made in weights 12½, 13 and 13½ oz.....each **AGJ** $2.80

The shape and finish of the Hub has made it a very popular racket.

Surprise—Made in light and medium weights.....each **ABJ** $2.00

Strung with good gut, a popular low priced racket. Same shape as the Country Club.

LEE'S SLOTTED THROAT TENNIS RACKETS.



Commonwealth—Full size model, strung with good quality gut, made in 13 and 13½ oz.....each **CEJ** $5.80

Model B—Entirely new model, strung with special three-ply cable gut, made in 14 and 14½ oz....each **JGBJ** $12.00

Each racket has a very narrow slot running clear through the throat extending from 4 to 6 inches down the handle.

The Principle of the Slot.

1. *The slot imparts a very slight "spring" to the racket—not noticeable to the user—but lending a very real extra power to the service, drive and smash.*

2. *The shot greatly lessens the chance of the racket splitting in that old weakness, the shoulder, by absorbing the shock of each stroke.*

3. *The slot enables us to use a heavier, stronger and better grade of ash for the frame, thus increasing its strength without increasing the total weight.*

JUVENILE TENNIS RACKETS.



No. 2—Imported, large juvenile size, medium weight, 24 in. over all each .....**JGJ** $1.20

Tango—Juvenile size and juvenile w't, length over all 21 in., for small children from 4 to 6 years of age, each ..... **DE** $0.76

TENNIS BALLS.



No. 6—Paruco, high grade, full size, excellent practice ball, regulation weight, guaranteed, an per dozen .....**CJJ** $5.00

Made by the Pennsylvania Rubber Co.

ONE DOZEN IN A BOX.

TENNIS BALLS.



No. 5 [illegible]—Championship regulation size and weight, per doz., **DCJ** $7.20

Speedy, reliable and as well made as a tennis ball can be made.

No. 9—Goodrich Championship, per dozen .....**DCJ** $7.20

Goodrich balls are of American manufacture, fast and durable. Authorized for tournament play by the U. S. N. L. T. A.

ONE DOZEN IN A BOX.



No. 12—Cruso....per dozen **BGJ** $4.50

Cruso balls are made for us in England and for all but Championship games are bound to give entire satisfaction.

ONE DOZEN IN A BOX.



No. 11—Hand Made Championship, per dozen .....**CIJ** $6.50

Each Hand Made ball is wrapped and sealed separately and packed one dozen in a box. These balls are regulation in every way, and very fast and accurate.

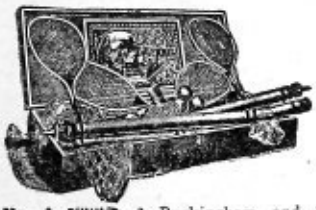
Hand Made Championship balls are authorized for tournament play by the United States National Lawn Tennis Association.

ONE DOZEN IN A BOX.

WHEN ORDERING TENNIS RACKETS, ALWAYS SPECIFY WEIGHT DESIRED.

TENNIS SUNDRIES.

TENNIS SETS.



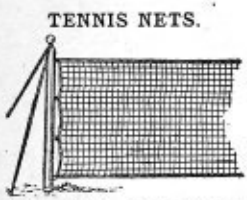
No. 3 REVERSIC—2 Buckingham and 2 sterling rackets, 1 net No. 109, 1 pair jointed poles No. 10, 4 Championship balls, 1 set guy ropes, runners and pegs No. 1, 1 mallet, 1 book of rules, per set ..... **AJHJ** $18.00

No. 4 REVERSIC—2 Calumet and 2 Washington Park rackets, 1 net No. 109, 1 pair jointed poles No. 11, 6 Championship balls, 1 set guy ropes, runners and pegs No. 2, 1 mallet, 1 book of rules.....per set **AFBJ** $27.00

No. 5 REVERSIC—4 Riverside rackets, 1 net No. 110CD canvas bound, 1 pair jointed poles No. 11, 12 Championship balls, 1 set guy ropes, runners and pegs No. 2, 1 mallet, 1 book of rules, per set ..... **BBBJ** $37.00

ONE SET IN A NEAT WOOD BOX.

TENNIS NETS.



White Cotton, Plain Bound.

No. 106—Single court, 27 ft., 12 thread, per dozen ..... **AADJ** $16.00

No. 106—Double court, 36 ft., 15 thread, per dozen ..... **AFGJ** $24.00

No. 109—Double court, 42 ft., 15 thread, per dozen ..... **AHIE** $30.00

White Cotton, Canvas Bound.

No. 106-CB—Double court, 36 ft., 15 thread .....per dozen **BABE** $35.00

No. 107-CB—Double court, 36 ft., 21 thread .....per dozen **CJBE** $50.40

No. 109-CB—Double court, 42 ft., 15 thread .....per dozen **BDDJ** $60.00

No. 110-CB—Double court, 42 ft., 21 thread .....per dozen **CEAE** $60.00

No. 112-DC—Double court, double center, 42 ft., 21 thread, per doz. **EJBJ** $90.00

NET POLES.



No. 10—Sectional hardwood, polished, with brass ferrules, 3½ in. diameter, per dozen pairs ..... **AJHJ** $18.00

LAWN TENNIS GUIDES.

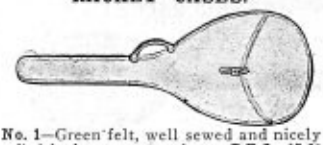
Lawn Tennis Guides, per dozen ..... **BFJ** $4.30

TENNIS TAPES.

Double Court .....per set **CBE** $5.40

Extra Galvanized Staples, per hundred ..... **EJ** .80

RACKET CASES.



No. 1—Green felt, well sewed and nicely finished .....per dozen **DEJ** $7.50

No. 3—Waterproof mackinfosh, well made in every particular, per dozen ..... **JIJJ** $15.00

RUBBER RACKET HANDLES.



No. 10—Made of good quality corrugated rubber, for covering racket handle to secure better grip, per doz. **CFJ** $6.00

CENTER STRAPS.



No. 3-0.

No. 2-0—Canvas, new device for holding center of net at regulation height of 3 ft., superior to the iron, as it does not chafe the net or deflect the ball, per dozen ..... **JICE** $15.60

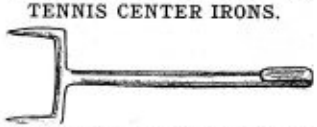
No. 3-0—Canvas, fitted with turnbuckle, height of net can be adjusted to a hair, superior to the iron, as it does not chafe the net or cause the ball to glance off or strike out of court, per dozen ..... **ABAJ** $21.60

GUY ROPES, RUNNERS AND PEGS.



No. 1—Medium size cotton ropes, 4 plain pegs, 4 runners, per dozen sets ..... **DHJ** $8.00

TENNIS CENTER IRONS.



No. 0—Regulation, galvanized iron, per dozen ..... **JFIJ** $11.50

COURT MARKERS.



No. 15—9 in. perforated cylinder wheel, per dozen ..... **JICE** $15.60

Put in any powdered material, such as marble dust, airslacked lime, plaster of paris, or ground plaster, such as is used for fertilizing purposes. By sprinkling immediately after marking, or by marking at evening before the dew falls, the lime is rendered more permanent. Fill the wheel about two-thirds full, which is sufficient for once marking the court.

RACKET PRESSES.



No. 0—Hardwood frames, with springs between, causing them to part evenly upon being released by thumb screws, each ..... **JHE** $1.40

Players who want to preserve their rackets should always keep them in a press when not in use.

TENNIS SHOES.



Champion, Canvas Uppers with Black Rubber Soles, Cemented.

No. 74—Men's white Balmorals, per dozen pairs ..... **JIFJ** $16.00

Sizes 6, 6½, 7, 7½, 8, 8½ and 9 carried in stock.



Champion, Canvas Uppers with Black Rubber Soles, Cemented.

No. 79—Men's white Oxfords, per dozen pairs ..... **JHJJ** $13.50

No. 80—Men's black Oxfords, per dozen pairs ..... **JHJJ** $13.50

Sizes 6, 6½, 7, 7½, 8, 8½ and 9 carried in stock.

All goods branded ~~CHB~~ are guaranteed to be of highest quality material and workmanship and free from imperfections.

REVONOC GOLF CLUBS.

REVONOC wood golf clubs are hand finished by professional golf club makers. The balance and material of these clubs are perfect. The heads are made of sawed dogwood and persimmon. The shafts are made of selected second-growth split hickory. No club leaves the factory until it has been carefully examined by an experienced player, and no wood is used until it has been thoroughly seasoned. We guarantee every REVONOC club to be perfect in material, finish and workmanship, and agree to replace all clubs that show defects.

The models for the "irons" were carefully selected by leading golf experts, and are perfect in shape, lie and weight. Only the best steel is used. In the heads the lines which give the sight are perfectly kept. The finish of the goods is unsurpased by any now made. The striking surface of the heads are true.

All REVONOC Golf Clubs have Calf-Skin Grips.



No. 522 REVONOC—Men's socket driver, right hand .....each **BAJ** $3.00
No. 532 REVONOC—Men's socket brassey, right hand .....each **BAJ** $3.00



No. 521 REVONOC—Men's socket driver, right and left hand, each **BAJ** $3.00
No. 0521 REVONOC—Ladies' or boys' socket driver, right hand, each ..... **BAJ** $3.00
No. 531 REVONOC—Men's socket brassey, right and left hand, each **BAJ** $3.00
No. 0531 REVONOC—Ladies' or boys' socket brassey, right and left hand, each ..... **BAJ** $3.00
No. 533— REVONOC—Brassey spoon, right hand ..... each **BAJ** $3.00



Nos. 831 and 0791.

Nos. 731 to 0741.

No. 831 REVONOC—Men's grooved midiron, right and left hand, each ..... **AHJ** $2.70
No. 0791 REVONOC—Ladies' or boys' grooved midiron, right hand, each ..... **AHJ** $2.70
No. 731 REVONOC—Men's driving cleek, short hose, right and left hand, each ..... **AHJ** $2.70
No. 735 REVONOC—Driving iron, grooved face, right hand..... **AHJ** $2.70
No. 0741 REVONOC—Ladies' or boys' regular driving cleek, right hand, each ..... **AHJ** $2.70



No. 841 REVONOC—Men's Taylor model lofting mashie, right and left hand, each ..... **AHJ** $2.70

No. 0751 REVONOC—Ladies' or boys' Taylor model lofting mashie, right hand, each ..... **AHJ** $2.70



No. 781 REVONOC—Men's Taylor model lofting mashie, scored face, right hand, each ..... **AHJ** $2.70



No. 732 REVONOC—Men's driving mashie, right hand .....each **AHJ** $2.70



No. 733 REVONOC—Latest model mashie niblick, forged steel, men's right hand .....each **AHJ** $3.00



No. 711 REVONOC—Men's niblick, right hand ..... each **AHJ** $2.70
No. 932 REVONOC—Semi-goose neck putters, right hand....each **AHJ** $2.70



Nos. 800 & 0801.

No. 931.

No. 801 REVONOC—Men's putting cleek, right and left hand, each ..... **AHJ** $2.70
No. 0801 REVONOC—Ladies' or boys' putting cleek, right hand, each ..... each **AHJ** $2.70
No. 931 REVONOC—Men's gunmetal putter, right hand .....each **AHJ** $2.70



Nos. 622 and 633.

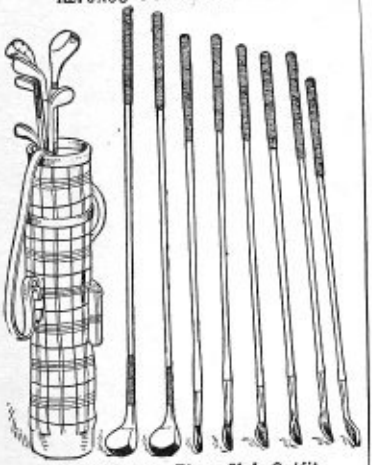
Nos. 651 to 681

Assorted Models, Right Hand, Sheepskin Grip, Well Made, Well Finished.

No. 622—Driver	.....each	**AAE**	$1.90
No. 633—Brasseys	.....each	**AAE**	1.90
No. 631—Midirons	.....each	**AAE**	1.90
No. 632—Putters	.....each	**AAE**	1.90
No. 681—Mashies	.....each	**AAE**	1.90

GOLF OUTFITS, CADDY BAGS AND GOLF BALLS.

REVONOC GOLF OUTFITS.



No. 1 REVONOC. Three-Club Outfit.

1 REVONOC wood driver	each	$3.00
1 REVONOC midiron	each	2.70
1 REVONOC putter	each	2.70
1 No. 501 REVONOC canvas caddy bag, leather trimmings and bottom, with ball pocket	each	2.15
2 golf balls	for	1.67
Total list ..... JGFJ		$12.22

No. 2 REVONOC. Four-Club Outfit.

1 REVONOC wood driver	each	$3.00
1 REVONOC cleek	each	2.70
1 REVONOC lofter	each	2.70
1 REVONOC putter	each	3.00
1 No. 501 REVONOC canvas caddy bag, leather trimmings and bottom, with ball pocket	each	2.15
3 golf balls	for	2.55
Total list ..... AJAJ		$16.10

No. 4 REVONOC. Five-Club Outfit.

1 REVONOC socket driver	each	$3.00
1 REVONOC socket brassy	each	3.00
1 REVONOC cleek	each	2.70
1 REVONOC lofter	each	2.70
1 REVONOC putter	each	2.70
1 No. 503 REVONOC fine heavy canvas caddy bag, leather trimmings and bottom, with ball pocket	each	3.50
6 golf balls	for	5.00
Total list ..... ADBJ		$22.60

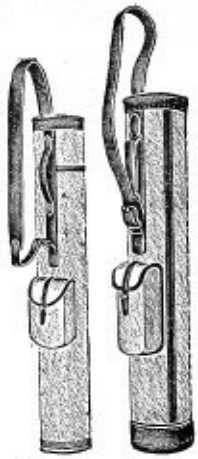
No. 5 REVONOC. Six-Club Outfit.

1 REVONOC socket driver	each	$3.00
1 REVONOC socket brassy	each	3.00
1 REVONOC driving cleek	each	2.70
1 REVONOC midiron, grooved	each	2.70
1 REVONOC lofting mashy	each	2.70
1 REVONOC putter	each	2.70
1 No. 504 REVONOC caddy bag, leather reinforced	each	6.00
6 golf balls	for	5.00
Total list ..... AGFE		$27.80

No. 6 REVONOC. Six-Club Outfit.

1 REVONOC socket driver	each	$3.00
1 REVONOC socket brassy	each	3.00
1 REVONOC driving cleek	each	2.70
1 REVONOC midiron, grooved	each	2.70
1 REVONOC lofting mashy	each	2.70
1 REVONOC putter	each	2.70
1 No. 601 REVONOC caddy bag, leather reinforced bottom, ball pocket	each	8.15
12 golf balls	for	10.00
Total list ..... BCDE		$34.95

REVONOC CADDY BAGS.



No. 504. No. 602.

No. 501 REVONOC—4¼ in., heavy brown waterproof duck, trimmed with orange leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, w't each 2½ lbs., per dozen ..... AGBJ $27.00

No. 502 REVONOC—4¼ in., heavy tan duck, trimmed with orange leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2½ lbs. ..... per dozen BAFJ $36.00

No. 503 REVONOC—4¼ in., heavy waterproo tan duck, trimmed with chocolate leather, reinforced bottom, 1¼ in. web sling, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2½ lbs., per dozen ..... BGJJ $45.00

No. 504 REVONOC—4¾ in., heavy white waterproof duck, trimmed with russet leather, reinforced bottom, leather sling and choke strap, pitcher handle, brass dragger, ball pocket, three steel supporting stays, w't each 2⅝ lbs., per dozen ..... CBDJ $54.00

No. 601 REVONOC—6 in., heavy waterproof khaki duck, trimmed with orange leather, leather reinforced bottom 1¼ in. web sling and choke strap, pitcher handle, brass dragger, ball pocket, four steel supporting stays, w't each 3¼ lbs. ..... per dozen CBDJ $54.00

No. 602 REVONOC—6 in., heavy waterproof army duck, tan shade trimmed with brown leather, leather reinforced bottom, sling and choke strap, pitcher handle, brass dragger, double flap ball pocket, four steel supporting stays, bottom laced with raw hide, w't each 3⅝ lbs. ..... per dozen DFHJ $78.00

No. 603 REVONOC—6 in., heavy white waterproof army duck, trimmed with russet leather, leather reinforced bottom, sling and choke strap, pitcher handle, brass dragger, ball pocket, four steel supporting stays, attached hood to lock over end of clubs, w't 4 lbs. ..... per dozen EJDJ $84.00

ONE IN A BOX-BOARD CARTON.

GOLF BALLS.



Nos. G27, G31, G32.

No. G33—Meteor, triangular depressions, full size, floating, per dozen ..... JFJJ $10.00

No. G27—Colonel Floater, w't each 27 dwt. ..... per dozen JHDJ $14.00

No. G31—Colonel, full size, depressed marked, sinkers, w't each 31 dwt., per dozen ..... JHDJ $14.00

No. G32—Diamond Ace, small size, depressed mark, sinkers, w't each 31 dwt. ..... per dozen JHDJ $14.00

WHIPPET.

No. 14—Orange spot full size, heavy weight, triangle depressed, per dozen ..... JHDJ $14.00

No. 15—Black spot small size, medium weight, triangle depressed, per dozen ..... JHDJ $14.00

No. 16—Purple spot medium size, medium weight, pebbled, per dozen ..... JHDJ $14.00

No. 17—Maroon spot full size, floater, triangle depressed, per dozen ..... JHDJ $14.00

No. 18—Green spot small size, heavy triangle depressed, per dozen ..... JHDJ $14.00

ONE-HALF DOZEN IN A BOX.

CROQUET SETS.

REVONOC



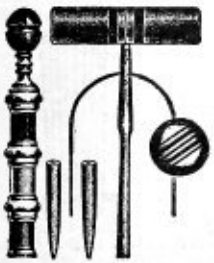
No. 10.



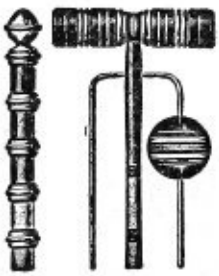
No. 17.

No. 10 REVONOC—4 ball professional set, 8½ in. varnished and striped mallets with 27 in. maple handles, five striped and varnished balls, heavy beaded four color stakes, extra heavy galvanized arches with sockets, w't per set 22 lbs., per set .....**BAE** $3.60

No. 17 REVONOC—8 ball set, 6 in. rock maple, hand turned, ebonized and bronzed mallets, ebonized and bronzed balls and 28 in. handles, two large beaded fancy striped and bronzed eight color stakes, heavy galvanized arches with sockets, w't per set 28 lbs. .....per set **CCJ** $5.50



No. 14.



No. 15.

No. 14 REVONOC—4 ball professional set, 9 in. one color striped and varnished mallets with 27 in. varnished handles, two color fancy striped and banded balls, fancy large four color and gold stakes, extra heavy coppered arches with sockets, w't per set 20 lbs. .....per set **BCJ** $3.90

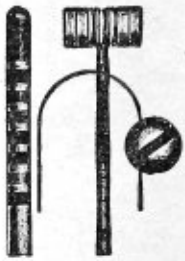
No. 15 REVONOC—4 ball professional set, 9 in. rock maple, hand turned, ebonized and bronzed mallets, ebonized and bronzed balls and 28 in. handles, two large beaded fancy striped and bronzed four color stakes, heavy galvanized arches with sockets, w't per set 20 lbs. .....per set **BHJ** $4.80

ONE SET IN A FINISHED HINGED WOOD BOX.

"CRUSO."



Nos. 1 to 3.



No. 4.

No. 1—"Cruso," 4 ball set, 5 in. plain oiled mallets with 28 in. one color banded handles, one color banded varnished balls, plain one color stakes, coppered arches, w't per set 14 lbs.....per set **JGJ** $1.20

No. 2—"Cruso," 6 ball set, w't per set 16 lbs., otherwise same as No. 1 .....per set **JIE** $1.50

No. 3—"Cruso," 8 ball set, w't per set 19 lbs., otherwise same as No. 1 .....per set **AJE** $1.80

No. 4—"Cruso," 8 ball set, plain eight color stakes, w't per set 19 lbs., otherwise same as No. 1 .....per set **ACJ** $2.20



No. 9.

No. 9—Cruso, 4 ball professional set, 8½ in. plain varnished mallet with 28 in. one color banded handle, eight color stakes, one color banded and varnished balls, coppered arches, w't per set 21 lbs.....per set **ACE** $2.40

No. 8—Cruso, 6 ball professional set, w't per set 23 lbs., otherwise same as No. 9.....per set **AGJ** $2.90

No. 11—Cruso, 8 ball professional set, w't per set 26 lbs., otherwise same as No. 9.....per set **BAJ** $3.50

ONE SET IN A FINISHED HINGED WOOD BOX.

CROQUET BALLS.

No. 4—Rock maple, varnished, with band, 8 colors, per dozen .....**JGJ** $1.00

PACKED LOOSE.

EQUIPMENT FOR RUGBY FOOT BALL GAME.

RUGBY FOOT BALLS.



Official Intercollegiate—Selected highest quality English pebbled football leather, especially tanned for the purpose, each hide carefully selected and stretched, linen thread sewed and hand finished, each ball thoroughly tested and packed in a separate box, rawhide lace, lacing needle, inflater and guaranteed Pure Para Rubber bladder, w't per doz. 18 lbs. .....per dozen **DEJJ** $75.00

Each ball perfect in workmanship and material. Correct official size and complies with the rules governing the game.

No. 9-S REVONOC—Best quality selected specially tanned American Pebbled grain leather, canvas lined, linen thread sewed, hand finished, perfect shape, regulation size and weight, packed one in a box with pure gum guaranteed bladder, rawhide lace and lacing needle, w't per doz. 12 lbs., per dozen .....**CCCJ** $55.50

No. 8-S REVONOC—Best quality heavy weight American oak tanned pebbled grain cowhide leather, canvas lined, linen thread sewed, hand finished, regulation size, packed one in a box with pure gum guaranteed bladder, rawhide lace and lacing needle, w't per doz. 12 lbs., per dozen .....**BGIJ** $46.50

No. 15 REVONOC—Selected best quality pebbled grain foot ball leather, canvas lined, linen thread sewed, regulation size, packed one in a box with pure gum guaranteed bladder, leather lace and lacing needle, w't per doz. 12 lbs., per dozen .....**BJGJ** $34.50

No. 16-REVONOC—Selected quality pebbled grain foot ball leather, canvas lined, linen thread sewed, regulation size, packed one in a box with pure gum guaranteed bladder and lace, w't per doz. 12 lbs.....per dozen **ADIJ** $24.80

No. 15-S REVONOC—Selected pebble sheep leather, lined with good quality of canvas, packed one in a box with lace and bladder, w't per doz. 12 lbs., per dozen .....**AABE** $18.80

No. 14-S REVONOC—Same as No. 15-S, only trifle smaller, w't per doz. 6 lbs., per dozen .....**AJAE** $16.90

ONE-HALF DOZEN IN A BOX.

LACING NEEDLES.

No. 7—For lacing up foot balls, basket balls, etc., made of good quality steel, w't per doz. ½ lb., per dozen **AH** $0.30

LACES.

No. 22—For foot balls, basket balls, etc., 22 in. long, made of good quality rawhide, w't per doz. ¼ lb., per dozen .....**ED** $0.90

PACKED LOOSE.

HEAD HARNESS.



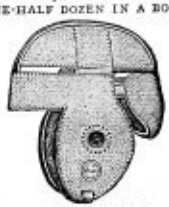
No. 541-L. No. 3.

No. 541-L REVONOC—Black pliable leather, leather ear guards, padded with best quality white felt, has rear extension covering base of brain, w't per doz. 12 lbs.....per dozen **BHHJ** $48.00

ONE IN A BOX.

No. 3 REVONOC—Strong pliable tan leather, crown and sides felt lined, well ventilated, leather ears, w't per doz. 4 lbs.....per dozen **AJHJ** $18.00

ONE-HALF DOZEN IN A BOX.



No. 11—Crown is of solid harness leather, with back piece protecting base of head, moulded leather ear pieces, open sides afford ventilation, leather strap head band with elastic in side makes it adjustable to any size, lined throughout with good quality white wool felt, w't per doz. 12 lbs., per dozen .....**CBDJ** $54.00

ONE IN A BOX.

NOSE GUARDS.



Morrell Pattern Best Quality Rubber, Correctly Ventilated, Affords protection to the Nose and Teeth.

No. 1—Men's size, w't per doz. 6 lbs., per dozen .....**DCJ** $7.50

ONE IN A BOX.

RUGBY BLADDERS.



Guaranteed Pure Gum Rubber.

No. 4—Size 4, w't per doz. 1¼ lbs., per dozen .....**EJJ** $8.30

No. 2—Size 3, w't per doz. 2 lbs., per dozen .....**EDJ** $9.00

No. 1—Intercollegiate, size 5, w't per doz. 2 lbs. ....per dozen **JGBJ** $12.00

PACKED LOOSE.

COLLAR BONE PROTECTORS.



No. 55—Adjustable in size, tan colored leather, reinforced with heavy sole leather over shoulders, padded with heavy absorbent felt, laced front and elastic arm bands, w't per doz. 6 lbs., per dozen .....**BEEE** $42.60

ONE-HALF DOZEN IN A PACKAGE.

SHOULDER PADS.



No. 6—Napa tan leather, felt padded, w't per doz, prs. 5 lbs., per dozen pairs .....**EJJ** $8.30

No. 4—Khaki duck, padded, w't per doz. prs. 6 lbs., per doz. prs. **BIJ** $4.80

Edges left so it can be attached to Jersey.

ELBOW PADS.



No. 5—Napa tan leather, felt padded, w't per doz. prs. 6 lbs., per dozen pairs .....**EJJ** $8.30

No. 3—Khaki duck, padded, w't per doz. prs. 5 lbs...per dozen pairs **BIJ** $4.80

Edges left so it can be attached to Jersey.

PACKED LOOSE.

REVONOC SHIN GUARDS.



Nos. 1 and 3. Nos. 4 and 5.

No. 1 REVONOC—12 in., black leather front, leather bound, rattan reeds, with continuous strap on outside of guard encircling leg, making guard more secure, w't per doz. prs. 11 lbs., per dozen pairs .....**JIFJ** $16.00

No. 3 REVONOC—12 in., heavy tan color canvas, leather bound, rattan reeds, with continuous strap on outside of guard encircling leg, making guard more secure, w't per doz. prs. 8 lbs., per dozen pairs .....**JFFJ** $10.80

No. 4 REVONOC—12 in., tan color canvas, fabric bound, rattan reeds, w't per doz. prs. 7 lbs., per doz. prs. **JFJJ** $10.00

No. 5 REVONOC—10 in., Khaki, tan color, tape strap on outside of guard encircling leg, making guard more secure, w't per doz. prs. 6 lbs., per dozen pairs .....**DHJ** $8.00

ONE DOZEN PAIRS IN A PACKAGE.

FOOT BALL GOODS.

REVONOC FOOT BALL PANTS.



No. 32 REVONOC—Genuine army khaki tan colored cloth, cane reed thigh guards, hips and knee correctly padded and quilted, w't per doz. prs. 31 lbs., per dozen pairs .....**BDCJ** $40.50

No. 131 REVONOC—Heavy tan color twilled drill, cane reed thign guards, hips and knees correctly padded, w't per doz. prs. 27 lbs., per doz. prs. **AFBJ** $27.00

No. 21 REVONOC—Good quality tan color twilled drill, full padded and quilted, w't per doz. prs. 14 lbs., per dozen pairs .....**JHFJ** $14.30

ONE DOZEN IN A PACKAGE.

REVONOC FOOT BALL JACKET.



No. 2 REVONOC—Genuine army khaki tan colored cloth, sleeveless, w't per doz. 6 lbs. .....per dozen **JFBE** $10.40

No. 1 REVONOC—Good quality twilled drill, tan color, w't per doz. 4 lbs., per dozen .....**DEJ** $7.50

ONE DOZEN IN A PACKAGE.

ATHLETIC STOCKINGS.



Heavy Ribbed with 4 In. Fancy Colored Calf Stripe and White Cotton Feet.

Stock Colors—Navy and White, Maroon and White, Oxford Gray and Navy, Black and Scarlet, Black and Orange, Cardinal and White.

No. 03—Heavy weight, good quality wool, w't per doz. prs. 5 lbs., per dozen pairs ..... **JGBJ** $10.40

No. 04—Heavy weight cotton, w't per doz. prs. 4 lbs., per doz. prs..... **DHJ** $6.00

ONE DOZEN PAIRS IN A BOX.

ASSOCIATION FOOT BALLS.



No. "A"—Case is constructed of four pieces with capless ends, made of selected English Pebbled foot ball leather, packed in box with rawhide lace, lacing needle, inflator and pure para rubber bladder, w't per doz. 15 lbs. .....per dozen **EFGJ** $94.50

Material and workmanship are of highest quality, fully guaranteed and same construction and guarantee as our Official Intercollegiate Rugby Ball.

ONE IN A BOX.

REVONOC ASSOCIATION FOOT BALLS.

No. 16-AS REVONOC—Selected American pebbled grain leather, lined with heavy canvas, sewed with six-cord linen thread, each ball is made to gauge and carefully inspected, packed with rawhide lace and bladder, w't per doz. 15 lbs., per dozen .....**CFIJ** $61.50

No. 18-AS REVONOC—Regulation size, selected best quality pebbled grain foot ball leather, canvas lined, wax thread sewed, packed in box with rawhide lace, lacing needle and pure gum guaranteed bladder, w't per doz. 15 lbs., per dozen .....**BGJJ** $45.00

No. 15-AS REVONOC—Selected pebbled sheep leather, lined with good quality canvas, made to gauge and carefully inspected, lace and bladder, w't per doz. 9 lbs.....per dozen **AGFJ** $29.30

ONE IN A BOX.

RUBBER FOOT BALLS.



American Black Rubber.

Nos.	1-F	2-F	3-F
Circum., in.	20	22	24
W't, doz., lbs.....	5	7	7½
Per dozen ...$7.50	9.00	10.50	12.00
	DEJ	EEJ	FCJ

Extra Keys .....per dozen **CF** $0.50

ONE-HALF DOZEN IN A BOX.

ASSOCIATION FOOT BALL SHIN GUARDS.



No. 5-A—Tan canvas, rattan reeds, correctly padded with ankle pads and leather straps, w't per doz. prs. 16 lbs., per dozen pairs .....**JICE** $15.60



No. 7-A—Tan canvas, rattan reds, padded, with leather tongue, no straps, worn inside of stockings, w't per doz. prs. 12 lbs., per dozen pairs .....**DEE** $7.60



No. 9-A—Tan canvas, rattan reeds, padded, with elastic and tie string, no straps, worn inside of stockings, w't per doz. prs. 12 lbs., per doz. prs. **DCE** $7.30

ONE-HALF DOZEN PAIRS IN A PACKAGE.

ASSOCIATION BLADDERS.



No. 5—Best quality pure gum rubber, size 5, w't per doz. 1½ lbs., per dozen .....**JFHJ** $11.30

PACKED LOOSE.

SOCCER SHOES.



No. 421—Pearl colored chrome tanned leather, made on special soccer last with broad box kicking toe guaranteed not to break down, horse shoe cleat around toe, two square cleats on heel and four square cleats on sole, extra outside reinforcement and strap across ball of shoe, w't per pr. 3 lbs., per pair .....**EAE** $8.60

EQUIPMENT FOR BASKET BALL.

BASKET BALLS.



No. 1—Official size and weight, case is constructed of four pieces with capless ends of selected highest quality English pebbled grain leather, especially tanned for the purpose, each hide carefully selected and stretched insuring a perfect ball, linen thread sewed and hand finished, each ball packed in separate box with rawhide lace, lacing needle, extra heavy guaranteed pure para rubber bladder and inflator, w't per doz. 18 lb., per dozen .....**JFFFJ** $111.00

We guarantee each ball perfect in workmanship and material. Correct official size and complies with the rules governing the game.

No. 44—Regulation weight and standard size, best quality heavy weight American oak tanned pebbled grain foot ball leather, lined with heavy canvas, linen thread sewed and hand finished, each ball packed separate in sealed box with rawhide lace and lacing needle and pure gum guaranteed bladder, w't per doz. 18 lbs., per dozen .....**EAHJ** $86.30

No. 11—Very finest quality American pebbled grain leather, lined with heavy canvas, sewed with eight-cord heavy linen thread, each ball is made to gauge and carefully inspected, packed one in a box with rawhide lace, lacing needle and bladder, w't per doz. 15 lbs., per doz. **DADJ** $69.00

No. 9—Best selected American grain leather, lined with heavy canvas, sewed with six-cord linen thread, each ball is made to gauge and carefully inspected, packed one in a box with rawhide lace and bladder, w't per doz. 15 lbs., per doz. **CBAE** $53.60

No. 5—Selected pebbled sheep leather, lined with good quality canvas, made to gauge and carefully inspected, packed one in a box with lace and bladder, w't per doz. 12 lbs. .....per dozen **BJAE** $33.60

BASKET BALL BLADDERS.



Guaranteed Pure Gum.

No. 21—Regulation, best quality pure gum, w't per doz. 2½ lbs., per dozen .....**JHC** $13.80

No. 22—Official, extra heavy pure gum, w't per doz. 2½ lbs., per dozen .....**AJHJ** $18.00

PACKED LOOSE.

PLAY GROUND OR OUT DOOR BASKET BALLS.



No. 77—Regulation size, selected American oak tanned leather, raised welted seams, each ball packed separately in sealed box with rawhide lace and lacing needle and pure gum guaranteed bladder, w't per doz. 18 lbs. .....per dozen **JEDJJ** $150.00

Particularly adapted for outdoor or cinder grounds; the raised welted seams protect the stitching in seams, making ball very durable.

BASKET BALL GOALS.



No. 15—Official goals as adopted and used in all match games, complete with net, w't per pr. 11 lbs., per pair .....**CFJ** $6.00

Extra Nets, w't per pr. ½ lb., per pair .....**EJ** $0.80

PACKED LOOSE.

BASKET BALL KNEE PADS.



No. 99—Leather covered, white felt padded, 2 in. elastic bands on each end which holds pad in place on knee, w't per doz. prs. 12 lbs., per dozen pairs .....**ADDJ** $24.00

No. 199—Canvas covered, felt padded, 2 in. elastic bands on each end which holds pad in place on knee, w't per doz. prs. 12 lbs., per dozen pairs .....**JHFE** $14.40

ONE PAIR IN A BOX.

SLEEVELESS ATHLETIC SHIRTS.



Plain Colors with 6 Inch Stripe Around Chest.

Stock Colors—Black with Orange band, Navy with White Band and Maroon with White Band.

No. 11-BB—Good quality worsted, w't per doz. 7 lbs., per dozen **BJAE** $33.60

No. 13-BB—Sanitary cotton, w't per doz. 4 lbs.....per dozen **AJAJ** $16.80

Plain Solid Colors—Navy Blue, Maroon and White Only.

No. 1-S—Good quality worsted, w't per doz. 3 lbs.....per dozen **AGCJ** $28.80

No. 3-S—Sanitary cotton, w't per doz. 2 lbs. .....per dozen **JFAJ** $10.20

ONE-HALF DOZEN IN A BOX.

BASKET BALL PANTS.



Button Front, Padded Lightly on Hips and Quilted, Belt Loops, Loose Bottom.

No. 88—Genuine army khaki cloth, tan color, w't per doz. prs. 6 lbs., per dozen pairs .....**JGGJ** $12.80

No. 89—Heavy twilled drill, tan color, w't per doz. prs. 12 lbs., per dozen pairs .....**JIFJ** $16.00

ONE IN AN ENVELOPE.

ATHLETIC GOODS.

ATHLETIC RUNNING PANTS.



No. 87—White selecia, button front, elastic back, loose bottoms, w't per doz. prs. 3 lbs., per doz. prs. **CFJ** $6.00

ONE DOZEN IN A BOX.

BOWLING AND GYMNASIUM SHOES.



No. 101 REVISED—Combination bowling and gymnasium shoe, light weight box calf, Balmoral or high cut style, Goodyear lock stitched, non-slipping yellow elk sole of special tannage, w't per pr. 1¾ lbs.....per pair **BEJ** $4.20



No. 102 REVISED—Combination bowling and gymnasium shoe, also used on clay tennis courts, light weight, box calf, Goodyear lock stitched, non-slipping yellow elk sole of special tannage, made in low cut Oxford style, w't per pr. ¾ lb., per pair **BDE** $4.06

No. 103 REVISED—Soft sole gymnasium and acrobatic shoe, light weight black elk, soft turned drab elk tanned sole, Oxford or low cut style, w't per pr. ¾ lb. .....per pair **ADE** $2.40

Used for class gymnasium shoe in leading schools and colleges.

BASKET BALL SHOES.



No. 104 REVISED—Light weight box calf, lace to toe style, equipped with patented vacuum suction cup soles, Goodyear lock stitched, w't per pr. 1½ lbs., per pair .....**DEJ** $7.50

This sole gives firmer purchase on the floor and better wear than any other similar sole.

ONE PAIR IN A BOX.

WRIST SUPPORTS.



No. 100. No. 102.

No. 100—Domestic, russet leather, single strap and buckle, w't per doz. ½ lbs., per dozen .....**AEJ** $2.50

No. 102—Domestic, russet leather, double strap and buckle, w't per doz. 1 lb., per dozen .....**BIJ** $4.80

A simple device to prevent straining and for protecting the wrist.

PACKED LOOSE.

THUMB PROTECTORS.



No. 86—Solid leather with strap and buckle at wrist, laced at end of thumb, w't per doz. 2 lbs., per dozen .....**EJE** $8.40

ONE DOZEN IN A BOX.

INFLATORS.



No. 3—Pocket cylinder, ⅜x5 in. long, w't per doz. 1½ lbs., per dozen .....**BAJ** $3.50



No. 2—Club cylinder, 1x10 in. long, w't per doz. 3 lbs., per dozen **EDJ** $9.00

PACKED LOOSE.

FOOT BALL BELTS.



No. 5—1¼ in. wide, black harness leather with heavy nickel harness buckle, w't per doz. 2 lbs., per dozen .....**CFJ** $6.00

ONE DOZEN IN A BOX.

CHAMOIS PUSHERS.



No. 1—Fine chamois skin, used with all athletic shoes, w't per doz. prs. 2 lbs., per dozen pairs .....**BIJ** $4.80

ONE-HALF DOZEN PAIRS IN A BOX.

ANKLE SUPPORTERS.



No. 300—Soft pliable Russian calfskin, lace front, w't per doz. prs. 1½ lbs., per dozen pairs .....**EIJ** $9.80

No. 200—Heavy calf tannage leather, lace front, w't per doz. prs. 1½ lbs., per dozen pairs .....**JGGJ** $12.80

Made in one piece and offers excellent support to the ankle.

In ordering, give size shoe worn.

ONE PAIR IN A BOX.

ALUMINUM ABDOMEN SUPPORT.



No. 8—Aluminum, padded with best quality wool felt, adjustable elastic belt and leg straps give absolute protection, w't per doz. 6 lbs., per dozen .....**CBDJ** $54.00

ONE IN A BOX.

ATHLETIC SUPPORTS.



No. 561-S—Sack of double thickness lisle, all elastic 2½ in. waist band and 2 in. leg straps, three sizes, large, medium and small, w't per doz. 2¼ lbs. .....per dozen **EDJ** $9.00

ONE IN A PASTEBOARD BOX.

SUSPENSORIES.

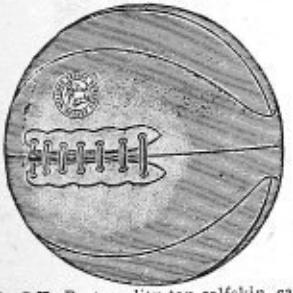


No. 320—Army and navy, lisle sack, elastic band, w't per doz. 2 lbs., per dozen .....**CFJ** $6.00

ONE IN A PASTEBOARD BOX.

ATHLETIC GOODS.

VOLLEY BALL.



No. 7-V—Best quality tan calfskin, canvas lined, complete with pure gum bladder, w't per doz. 12 lbs., per dozen .....DCBJ $72.00

No. 5-V—Good quality pearl calfskin, canvas lined, complete with pure gum bladder, w't per doz. 12 lbs., per dozen .....CEDJ $59.00

No. 4-V—Pebbled Saranac leather, canvas lined, complete with pure gum bladder, w't per doz. 12 lbs., per dozen .....BBHJ $38.00

ONE IN A BOX.

VOLLEY BALL BLADDERS.

No. 5-VB—Guaranteed Pure Para rubber, w't per doz. 3 lbs., per dozen .....JFFJ $11.00

ONE DOZEN IN A BOX.

VOLLEY BALL STANDARDS.

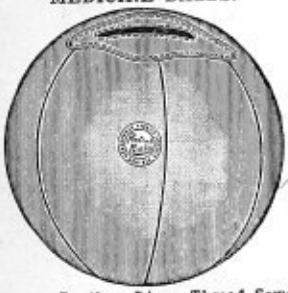
No. VS—8 ft. high, complete with net, w't per pr. 46 lbs., per pair .....AJHJ $19.80

ONE PAIR IN A CRATE.

VOLLEY BALL NETS.

No. VN—27 ft. long, 3 ft. wide, without standards, w't each 1 lb., each .....AAJ $1.80

MEDICINE BALLS.



Saranac Leather, Linen Thread Sewed, Canvas Lined, Well Stuffed, Laced Opening.

No. B2½—27 in., w't about 2½ lbs., each .....CAJ $5.20

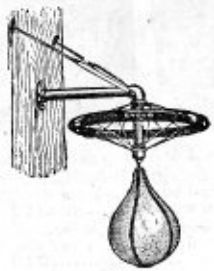
No. B5—30 in., w't about 5 lbs., each .....CFJ 6.00

No. B7½—36 in., w't about 7½ lbs., each .....DEJ $7.50

Medicine Ball exercise very beneficial. Develops the chest and exercises the arms, legs and back—in fact the muscles of the entire body are brought into activity.

ONE IN A BOX.

STRIKING BAG PLATFORMS.



"Cyclo" Bag.

No. 78—Rim of single circle of laminated hard wood, size 18 in. in diameter, complete with swivel wheel, total w't 7 lbs., without bag, each EAJ $8.50

The Cyclo-Bag platform makes it possible for anyone to enjoy in a house or apartment, bag punching. The platform can be put in a doorway or any convenient place as it does not take up much space. The swivel wheel is very fast, is light in weight and easily adjusted, can be put up or taken down in 20 seconds. Is practically indestructible and its unique construction reduces the noise and vibration to a minimum.

We recommend the pear shape bag be used to give best results.



The Lightning.

No. 28—36x20x4½ in. frame, when folded, rim 23 in. diameter, w't 7½ lbs., without bag .....each BDJ $4.00

The "Lightning" is very strong and light, has rubber cushions between stirrups and frame to absorb shock and deaden noise. Platform is easily attached and is absolutely rigid—can be folded flat for shipment.

ONE IN A BOX.

STRIKING BAG BLADDERS.



Guaranteed Pure Gum.

No. 10—Medium size, w't per doz. 1½ lbs., ...per dozen EDJ $9.00

No. 11—Large size, w't per doz. 2 lbs., per dozen .....JGBJ $12.00

No. 12—Pear shape, with side stem, w't per doz. 3 lbs., per dozen .....JGJJ $10.00

No. 13—Pear shape with top stem, w't per doz. 1½ lbs., per dozen .....JGJJ $10.00

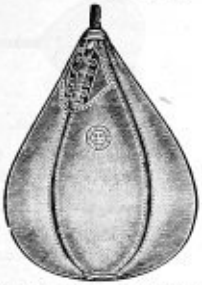
PACKED LOOSE.

MAIL ORDER DEPARTMENT

Our constant attention in sixty years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

STRIKING BAGS, CORDS AND SWIVELS.

STRIKING BAGS.



Coopless Top, Pear Shape.

No. 15-P—Official, finest selected russet French calfskin, seams tan welted, triple stitched and web stayed, English twill fabric lined, improved mushroom swivel top, guaranteed not to pull away from bag, with guaranteed pure gum rubber bladder, w't per doz. 15 lbs.....per dozen **JFAGE** $102.90

No. 14-P—Professional, finest oak tan kid leather, tan welted seams, triple stitched and web stayed, English twill fabric lined, fitted with improved mushroom rawhide swivel top guarranteed not to pull away from bag, with guaranteed pure gum rubber bladder, w't per doz. 14 lbs., per dozen .....**DIBJ** $82.00

No. 17-P—High quality black kid leather, canvas lined, green welted seams, red triple stitched, web stayed, solid leather top with hole in center giving bag perfect action with guaranteed pure gum rubber bladder, w't per doz. 14 lbs. per dozen **CHCE** $63.90



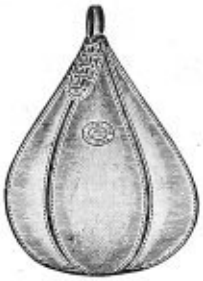
Oval Shape, Double End Attachment.

No. 66-DE—Red napa kid leather, white triple stitched and taped seams, canvas lined, rawhide loop, suspending cord and elastic floor cord, and guaranteed pure gum rubber bladder, w't per doz. 12 lbs., per doz. **BCGJ** $39.50

No. 68-DE—Medium size, wine napa leather, canvas lined, rawhide loop, suspending cord and elastic floor cord and guaranteed pure gum rubber bladder, w't per doz. 12 lbs., per dozen .....**AFBJ** $27.00

ONE IN A BOX.

STRIKING BAGS.



Loop Top, Pear Shape.

No. 18-P—Rich wine papa leather, green welted seams, white triple stitched, web stayed, canvas lined, with pure gum guaranteed bladder and rawhide loop, w't per doz. 14 lbs., per dozen .....**CFHE** $61.50

No. 19-P—Oak tan kid leather, green welted seams, green triple stitched and web stayed, canvas lined, with rawhide loop and pure gum guaranteed rubber bladder, w't per doz. 14 lbs., per dozen .....**CBJJ** $53.40

No. 20-P—Selected black kid leather, white welted seams, white triple stitched and web stayed, canvas lined, with rawhide loop and pure gum guarranteed rubber bladder, w't per doz. 14 lbs. .....per dozen **BHEE** $47.60

No. 21-P—Green napa leather, triple stitched and web stayed seams, canvas lined, with rawhide loop and pure gum guaranteed rubber bladder, w't per doz. 12 lbs.....per dozen **BBGJ** $37.80

No. 170—Small size, for very rapid work, green napa leather, canvas lined, rawhide loop and suspending cord and pure gum guaranteed rubber bladder, w't per doz. 12 lbs., per dozen .....**AIAJ** $31.80

No. 174—Small size, for very rapid work, selected black kid leather, tan leather welted seams, orange triple stitched, web stayed, canvas lined, rawhide loop and pure gum guaranteed rubber bladder, w't per doz. 12 lbs., per dozen .....**AGDJ** $29.00

A very handsome, serviceable bag.

ONE IN A BOX.

STRIKING BAG CORDS.



No. 3—3 ft., cotton finished medium cable with looped ends, w't per doz. ½ lb. .....per dozen **BJJ** $3.30

No. 2—3 ft., cotton finished light cable with looped ends, w't per doz. ½ lb., per dozen .....**AGE** $2.90

STRIKING BAGS.



No. 16-B—Extra large heavy gymnasium, for hard usage, selected tan brown French calfskin, olive welted seams, triple stitched and taped, canvas lined, double stitched rawhide loop and guaranteed pure gum rubber bladder, w't per doz. 18 lbs., per dozen .....**JFEGJ** $109.50

No. 125—Large size gymnasium bag, ecru calfskin, black welted seams, triple stitched and taped, black calfskin top and bottom, canvas lined, rawhide loop double and stitched and guarranteed pure gum rubber bladder, w't per doz. 15 lbs., per doz. **DDBH** $73.80

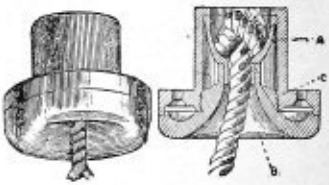
One of the best gymnasium bags on the market.

No. 26-B—Medium size, red napa kid leather, white triple stitched and taped seams, canvas lined, rawhide loop, and guaranteed pure gum rubber bladder, w't per doz. 12 lbs., per dozen .....**BAHE** $36.40

No. 27-B—Medium size, wine napa leather, canvas lined, rawhide loop and guaranteed pure gum rubber bladder, w't per doz. 11 lbs., per dozen .....**AFBJ** $27.00

ONE IN A BOX.

STRIKING BAG SWIVELS.



No. 4—Rod steel, nickel plated, two parts, lower part containing the swivel cup which holds the knot in the rope firm, and revolves with the action of the bag, bell shape mouth prevents the cutting of the rope and so designed that it can be unscrewed, removing the plate and part of the swivel when not in use, gives the striking bag perfect action, used by all professional scientific bag punchers, w't per doz. 9 lbs., per dozen .....**EDJ** $9.00

PACKED LOOSE.

STRIKING BAG AND BOXING GLOVES.

STRIKING BAG GLOVES.



No. 96.



No. 02.

No. 96—Tan kid leather, correctly padded, has finger grip and elastic wrist, w't per doz. sets 6 lbs., per dozen sets .....**JGBJ** $12.00

No. 02—Olive napa kid leather, felt padded, short open palm with finger grip, elastic wrist and palm support, w't per doz. sets 12 lbs.,
per dozen sets .....**JFDJ** $10.70

ONE PAIR IN A BOX.

BOXING GLOVES.



Special.— Improved Corbett model, back of oak tan kid leather, large wrist roll and palm of Olive green kid with tan colored improved grip, full leather lined, improved side pad formed from back of glove in one piece, full leather bound, hand stitched, stuffed with best quality curled hair, w't per doz. sets 36 lbs., per dozen sets .....**JFJJJ** $100.00



No. 49-C.



No. 46-C.

No. 49-C REVONOC—Corbett model, back of selected olive green kid leather, wrist roll and palm of wine kid leather with green improved safety finger grip, large wrist roll padded and leather lined, full leather bound, lined with absorbent serge, stuffed with best quality curled hair, w't per doz. sets 12 lbs.....per dozen sets **EJDJ** $84.00

No. 46-C REVONOC—Corbett model, back of selected oak tan kid leather, wrist roll and palm of wine kid leather, tan colored improved finger grip, leather bound, large wrist roll padded and leather lined with absorbent fleece, stuffed with best quality curled hair, w't per doz. sets 36 lbs., per dozen sets .....**DDHJ** $74.70

ONE SET IN A BOX.

REVONOC BOXING GLOVES.



Instructors and Pupils Gloves.

No. 472 REVONOC—Corbett model, made throughout of selected brown napa kid leather, lined with heavy twilled drill, improved safety finger grip, extra padded double wrist and forearm roll full laced and leather lined, stuffed with best quality curled hair, w't per doz. sets 30 lbs.,
per dozen sets .....**DCBJ** $72.00



No. 45-C.



No. 41-C.

No. 45-C REVONOC—Corbett model, back of wine colored California napa leather, wrist roll and palm of tan colored leather, wine colored improved finger grip, lined with heavy twilled drill, laced wrist, stuffed with good quality curled hair, w't per doz. sets 36 lbs., per dozen sets .....**DJJJ** $66.70

No. 41-C REVONOC—Corbett model, selected black kid leather throughout, white stitched, improved finger grip in palm, large padded wrist roll, laced wrist, lined with heavy twilled drill stuffed with good quality curled hair, w't per doz. sets 33 lbs.,
per dozen sets .....**CDDJ** $57.30



No. 40-S.



No. 11.

No. 40-S REVONOC—Standard model, back of green colored napa leather, wrist roll and palm wine colored leather, green improved finger grip, bound laced wrist, lined with twilled drill, stuffed with good quality curled hair, w't per doz. sets 24 lbs., per dozen sets .....**BHHJ** $48.00

No. 11 REVONOC—New standard model, wine colored napa leather throughout, bound laced wrist, finger grip in palm, lined with twilled drill, stuffed with hair, extraordinary value, w't per doz. sets 24 lbs.,
per dozen sets .....**BAFJ** $36.00

ONE SET IN A BOX.

REVONOC BOXING GLOVES.



No. 16-F REVONOC—Standard model, back and wrist of wine napa leather, palm of tan khaki cloth with finger grip, elastic wrist, lined with twilled drill, stuffed with hair, w't per doz. sets 21 lbs.....per dozen sets **AFHJ** $28.00

BOYS' BOXING GLOVES.



No. 14-B.



No. 1.

No. 14-B REVONOC—Corbett model, back of wine napa kid, palm and wrist roll of green napa kid, finger grip on palm, bound laced wrist, padded wrist roll, lined with twilled drill, stuffed with curled hair, w't per doz. sets 18 lbs.....per dozen sets **BJJJ** $33.30

No. 1 REVONOC—Standard model, wine napa leather throughout, white stitched, finger grip in palm, bound laced wrist, lined with twilled drill, stuffed with hair, w't per doz. sets 18 lbs., per dozen sets .....**AECE** $25.60

Good all leather cheap glove.

ONE SET IN A BOX.



No. 11-B.



No. 10-J.

No. 11-B—Cruso, Standard model, back and wrist of brown kid leather, palm of tan khaki drill, finger grip in palm, elastic wrist, lined with drill, stuffed with hair, w't per doz. sets 15 lbs., per dozen sets .....**ACGE** $22.90

No. 10-J REVONOC—Juvenile, back and wrist of wine kid leather, palm of tan khaki with finger grip, elastic wrist band, lined with drill stuffed with hair, w't per doz. sets 9 lbs., per dozen sets .....**AAIE** $19.90

ONE SET IN A BOX.

GYMNASIUM GOODS.

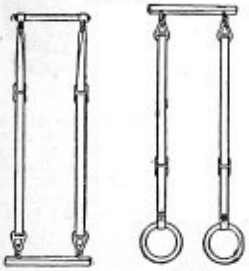
WHITELY EXERCISERS.



No. 00—Whitely Ideal, with chart, short cable, suitable for boys or girls, light or medium, w't per doz. 15 lbs., per dozen .....**ABJJ** $20.00

PACKED COMPLETE WITH SCREWS.
ONE SET IN A BOX.

TRAPEZE AND SWINGING RINGS.



No. 89. No. 88.

TRAPEZE.

No. 89—Adjustable, extra strong webbing, strong hickory bar, w't complete 3 lbs. .....each **BGJ** $4.50

ONE IN A BOX.

SWINGING RINGS.

No. 88—Adjustable, extra strong webbing supports, japanned rings, perfectly safe for 16 ft. ceiling, w't complete, 9½ lbs. .....each **BGJ** $4.50

ONE IN A BOX.

STEEL CORE BARS.

Solid Piece Hickory, Hole Bored Through Entire Length, and Finest Crucible Spring Steel Bar Inserted, Unbreakable.

Nos.	112	113
Length, in.	5½	6
Per dozen	$117.00★ JGJBJ	126.00★ JGEFJ

Nos.	114	115
Length, in.	6½	7
Per dozen	$145.00★ JHGJJ	162.00★ JIGBJ

REVONOC COIL SPRING EXERCISERS.



No. 120 REVONOC. No. 121 REVONOC.

No. 115 REVONOC—Plain rubberoid handle, highest grade tempered steel coil springs, if double strength exerciser is desired both springs can be quickly attached to a single handle by means of the slip rings, swivel at top permits exerciser to move freely in any direction adapting itself to every twist of the person exercising, w't per doz. 25½ lbs. .....per dozen **JIFJ** $16.00

No. 120 REVONOC—With massage handle roller, w't per doz. 24 lbs., otherwise same as No. 115 REVONOC, per dozen .....**ADDJ** $24.00

No. 121 REVONOC—With combination grip handle, w't per doz. 24½ lbs., otherwise same as No. 115 REVONOC, per dozen .....**AHJJ** $30.00

Can be used for grip exerciser; also to exercise wrists or as a massage roller.

ONE IN A BOX.

HOME GYMNASIUM.

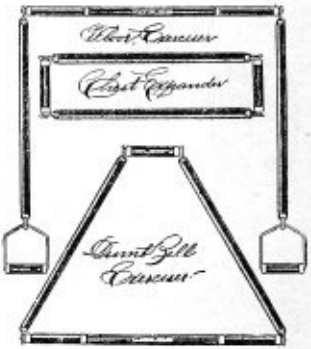


No. 90—Consists of a pair of swinging rings, trapeze, one pair of stirrups and a swing board, w't 5½ lbs., complete .....**DEJ** $7.50

It can be put anywhere, in a room, between doors, basement, porch, etc., etc. Two eye screws are screwed in a wood beam, plank or joist 16 in. apart, for adults 19 in.

ONE IN A BOX.

COMBINATION BAR-BELL EXERCISERS.



No. 215—Spring swivel, or head piece of heavy spring wire 2½ in. long, ends of which are formed into spring coils between which is a solid tube, bracing and holding them in place, springs are of oil tempered music wire with strong tape running through to prevent straining, handles of hard rubber, combination set complete, light, medium or heavy, w't per doz. sets 57 lbs.....per dozen sets **DCBJ** $72.00

The spring coils relax slightly when pulled, doing away with that jerky back pull found in the old style wall exercisers.

Any of the following exercisers may be made up from this combination set—

1 *Spring Bar-Bell.*
2 *Heavy Spring Dumb-Bell.*
3 *Floor Exercisers or Light Dumb-Bell.*
4 *Single Spring Chest Expander.*
5 *Double Spring Chest Expander.*
6 *Wall Machine.*



No. 220—Wall exerciser only, with single spring chest expander, light, medium or heavy, w't per doz. 33 lbs., otherwise same as No. 215, per dozen .....**CABJ** $52.00

No. 221—Wall exerciser special only, single spring chest expander, light, medium or heavy, w't per doz. 33 lbs., otherwise same as No. 215, per dozen .....**BGJJ** $45.00

ONE IN A BOX, WITH CHART AND DIRECTIONS.

WRITE FOR SPECIAL CATALOGUE AND PRICES ON GYMNASIUM SUPPLIES.
★FOR FACTORY SHIPMENT ONLY.

GYMNASIUM GOODS.

GYMNASIUM SHOES.



Champion, Canvas Uppers with Black Rubber Soles Cemented.

No. 74—Men's white Balmorals, sizes 6 to 8½, w't per doz. prs. 24 lbs., per dozen pairs .....**J I F J** $16.00



Champion, Canvas Uppers with Black Rubber Soles, Cemented.

No. 79—Men's white Oxfords, sizes 6 to 9½, w't per doz. prs. 21 lbs., per dozen pairs .....**J H J J** $13.30

No. 80—Men's black Oxfords, sizes 6 to 9, w't per doz. prs. 21 lbs., per dozen pairs .....**J H J J** $13.30

QUOITS.



English Model, Japanned Iron, Painted Black and Numbered.

Inches	4½	5
W't per set of 4, lbs....	8	12
Per dozen sets	$7.40	11.10
	D D E	**J F F E**
Inches	5½	6
W't per set of 4, lbs....	16	20
Per dozen sets	$14.80	18.60
	J H I J	**A A A E**

Iron Quoit Pins, per dozen pairs .....**B A E** $3.60



Para Rubber, 5½ in., for playing indoors and out, four quoits to a set, per dozen sets .....**A C G J** $22.80

OUTDOOR HAMMERS.



Iron Ball, Wire Handle, Regulation Size.

Pounds	12	16
Each	$5.00	5.50
	C J J	**C C J**

SHOTS.



Iron, Outdoor Regulation Size.

Pounds	12	16
Each	$1.30	1.50
	J H J	**J I J**

MAPLE INDIAN CLUBS.



Indian Clubs, First Quality Maple, Finished in Hard Oil, Polished.

Pounds	½	¾	1
Per doz. pairs	$4.80	5.04	6.48
	B I J	**C J J**	**C I J**
Pounds	1½	2	2½
Per doz. pairs	$7.20	8.00	10.08
	D C J	**D H J**	**J F J E**
Pounds	3	4	5
Per doz. pairs	$11.52	14.40	20.00
	J F I J	**J H F E**	**A B J J**

A pair of 1 lb. Indian clubs weighs 2 lbs.

INDIAN CLUB AND DUMB BELL HOOKS.



No. 134.

No. 134—Cup shape, with screws, w't per doz. prs. 6 lbs., per doz. prs. **A D E** $2.40

MAPLE DUMB BELLS.



First Quality Maple, Finished in Hard Oil, Polished.

Pounds	½	¾	1	1½
Per doz. prs.	$4.80	5.04	6.48	7.20
	B I J	**C J J**	**C I J**	**D C J**
Pounds	2	2½	3	
Per doz. prs...	$8.00	10.10	11.50	
	D H J	**J F J J**	**J F I J**	

A pair of 1 lb. dumb bells weighs 2 lbs.

IRON DUMB BELLS.



Sizes 1, 2, 3 ,4, 5, 6, 7, 8, 10, 12, 15, 20 and 25 lbs. ....per 100 lbs. **C I E** $6.60
Sizes 40, 50 and 75 lbs., with steel bar cast in. .....per 100 lbs. **J F J J** $10.00

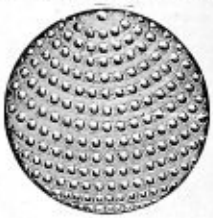
RUBBER BALLS.



No. 106—Inflated, white, diam. 1⅝ in., corrugated cover, per doz. **E J** $0.80
No. 310—Inflated, white, diam. 2⅜ in., corrugated cover, per doz. **A J E** $1.60
No. 35—Enameled, inflated, assorted colors in box as follows, 6 red, 3 green, 3 blue, smooth cover, per dozen ..... **J I E** $1.60
No. 204—Inflated, red, diam. 2¾ in., circumference 7 in., smooth cover, per dozen ..... **A J J** $1.70
No. 210—Inflated, red, diam. 2¾ in., circumference 10 in., smooth cover, per dozen ..... **A I J** $3.20

Solid.

No. 5—White, diam 1¾ in., cirm. 5½ in., per dozen .....**D H** $0.80
No. 15—White, diam. 2½ in., cirm. 7 in., per dozen .....**J I E** $1.60
No. 25—Terra Cotta, diam. 1⅝ in., per dozen .....**E E** $0.90



Solid.

No. 05—Fancy corrugated, white enameled, diam. 1⅛ in., w't per doz. 1⅞ lbs.....per dozen **E J** $0.80

ONE DOZEN IN A BOX.



Solid.

No. 005—Red enameled, diam. 1⅝ in., w't per doz. 1⅞ lbs., per dozen .....**E J** $0.80
No 010—Red enameled, diam. 2 in., w't per doz. 2⅞ lbs., per doz. **J I J** $1.50

ONE DOZEN IN A BOX.

WRITE FOR SPECIAL CATALOGUE AND PRICES ON GYMNASIUM SUPPLIES.

INDOOR BASE BALLS, POLO AND HOCKEY STICKS.

REVONOC INDOOR BASE BALLS.



No. 117 REVONOC—Chicago, regulation, 17 in., soft oil tanned horse hide cover, perfect sewing, w't per doz. 9 lbs., per dozen .....AJAJ $16.80

No. 112 REVONOC—Official, 12 in., hard oil tanned horse hide, perfect sewing, w't per doz. 6 lbs., per dozen .....JFEJ $10.80

No. 114 REVONOC—14 in., otherwise same as No. 112, w't per doz. 6 lbs., per dozen .....JFIJ $11.50

No. 214 REVONOC—14 in., hard sheep skin cover, perfect sewing, w't per doz. 6 lbs.....per dozen JFJJ $10.00

No. 216 REVONOC—16 in., otherwise same as No. 214, w't per doz. 9 lbs., per dozen .....JGEE $12.60

ONE IN A BOX.

INDOOR BASE BALL BATS.



No. 300—Regulation size, finest selected second growth ash, flame burnt finish, tape wound handles, highest grade bat made, w't per doz. 15 lbs., per dozen .....DBJ $7.00

No. 325—Regulation size and shape, best southern ash, w't per doz. 15 lbs., per dozen .....BDJ $4.00

PACKED LOOSE.

POLO STICKS.



No. 30—Standard second growth ash, finished in a very superior manner, w't per doz. 9 lbs., per dozen .....BAE $3.60

No. 26—Boys', second growth ash, an exceptional value at the price, w't per doz. 9 lbs., per dozen AAE $1.90

No. 24—Junior, hard maple, boys' size, w't per doz. 6 lbs., per dozen .....EE $0.90

ONE-HALF DOZN TIED TOGETHER.

HOCKEY STICKS.



No. 11. No. 12 No. 14. No. 10

REVONOC

No. 10 REVONOC—Professional Special Label, highest grade and finish, made from best selected second growth rock elm, same stick as is now used by Canadian League, nothing better made, beaded handle extra strong, defense and forward models, w't per doz. 12 lbs., per dozen JHAJ $13.50

No. 11 REVONOC—Amateur, regulation size, genuine Canadian second growth elm, w't per doz. 12 lbs., per dozen .....DEJ $7.50

No. 12 REVONOC—Professional, genuine Canadian second growth rock elm, beaded handle, defense and forward models, w't per doz. 14 lbs., per dozen .....JFGJ $11.20

No. 14 REVONOC—Boys' Regulation, genuine Canadian second growth rock elm, w't per doz. 11 lbs., per dozen .....BDJ $4.00

REVONOC *Hockey sticks are the genuine Canadian models and are the same patterns as used by the leading Canadian leagues; they are correct in every detail. We guarantee all sticks bearing our* REVONOC *trade mark to be made of thoroughly seasoned and selected stock which have been examined and graded by experienced inspectors at the factory.*

ONE-HALF DOZEN TIED TOGETHER.

HOCKEY PUCKS.

No. 1—W't per doz. 4 lbs., per dozen .....CFJ $6.00

ONE IN A BOX.

MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledge of the requirements in that locality enables him to handle your orders intelligently.

Your voluntary orders are given the same careful attention as if you were buying the goods from us personally and are billed at the *lowest market prices.*

SHIPPING FACILITIES

With our immense stock and unexcelled shipping facilities we can fill orders with unequaled promptness. On most roads we have through package cars which enable us to reach distant points many hours ahead of shipments made in the regular way.

SKIS AND SKI ACCESSORIES.

SKIS.



Nos. 4P to 8P Are Made of the Best Quality Selected Stock Norway and Yellow Pine Finished in Natural Wood with Several Coats of Waterproof Varnish and Have Fancy Stripes. They Are Supplied with Heavy Toe-Straps and Rubber Foot Rests and Are Made in Both Men's and Boys' Sizes.

No. 4P—Length 4 ft., w't per pr. 2½ lbs.★ per pair **JGJ** $1.20
No. 5P—L'gth 5 ft., w't per pr. 3 1-5 lbs.★ per pair **JIJ** 1.50
No. 6P—L'gth 6 ft., w't per pr. 4 4-5 lbs.★ per pair **AAJ** 1.80
No. 7P—Length 7 ft., w't per pr. 7 lbs.★ per pair **AFJ** $2.70
No. 76P—L'gth 7½ ft., w't per pr. 8½ lbs.★ per pr. **AHJ** 3.00
No. 8P—Length 8 ft., w't per pr. 10 lbs.★ per pair **BJJ** 3.30

NOS. 4P TO 6P, TEN PAIRS IN A BUNDLE; NOS. 7P TO 8P, SIX PAIRS IN A BUNDLE.

Nos. 4M to 8M Are Made of the Best Quality Selected Maple or Birch Stock in a Beautiful Mahogany Finish with Fancy Grooved White Stripes. They Are Supplied with Heavy Toe-Straps and Corrugated Rubber Foot Rests and Are Made in Both Men's and Boys' Sizes.

No. 4M—Length 4 ft., w't per pr. 3 lbs.★ per pair **AAJ** $1.80
No. 5M—L'gth 5 ft., w't per pr. 3½ lbs.★ per pair **ADE** 2.40
No. 6M—L'gth 6 ft., w't per pr. 5 4-5 lbs.★ per pr. **AHJ** 3.00
No. 7M—L'gth 7 ft., w't per pr. 8 5-6 lbs.★ per pr. **BAE** $3.60
No. 76M—L'gth 7½ ft., w't per pr. 10 lbs.★ per pr. **BEJ** 4.20
No. 8M—L'gth 8 ft., w't per pr. 12½ lbs.★ per pr. **BIJ** 4.80

NOS. 4M TO 6M, TEN PAIRS IN A BUNDLE; NOS. 7M TO 8M, SIX PAIRS IN A BUNDLE.

THE LEVEL LAND RACER.

This Ski Is Made of Selected Straight-grained Ash Only with Straight and Rabbeted Sides and Is Supplied with Heavy Toe-Straps and Corrugated Rubber Foot Rests.

No. 8LA—L'gth 8 ft., w't per pr. 12½ lbs.★ per pr. **CIE** $6.60
No. 96LA—L'gth 9½ ft., w't per pr. 12 lbs.★ per pr. **DCJ** 7.20

NO. 8LA, SIX PAIRS IN A BUNDLE; NO. 96LA, FIVE PAIRS IN A BUNDLE.

Nos. 6A to 8AQ Are Made of the Very Best Selected Quality Ash Stock That Can Be Obtained on the Market Finished in Black with Fancy Grooved White Stripes as Shown in Cut and Also in Natural Wood with Dark Stripes and Are Equipped with Heavy Leather Toe-Straps and Corrugated Rubber Foot Rests.

Horizontal or Flat Grain Ash.

No. 6A—L'gth 6 ft., w't per pr. 5 4-5 lbs.★ per pair **BAE** $3.60
No. 7A—L'gth 7 ft., w't per pr. 8 5-6 lbs.★ per pair **CJE** 5.10
No. 76A—L'gth 7½ ft., w't per pr. 10 lbs.★ per pair **CDJ** 5.70
No. 8A—L'gth 8 ft., w't per pr. 12½ lbs.★ per pair **CHJ** 6.30

Quarter-Sawed or Edge Grain Ash.

No. 6AQ—L'gth 6 ft., w't per pr. 5 4-5 lbs.★ per pr. **BGJ** $4.50
No. 7AQ—L'gth 7 ft., w't per pr. 8 5-6 lbs.★ per pr. **CFJ** 6.00
No. 76AQ—L'gth 7½ ft., w't per pr. 10 lbs.★ per pr. **CIE** 6.60
No. 8AQ—L'gth 8 ft., w't per pr. 12½ lbs.★ per pr. **DCJ** 7.20

NOS. 6A AND 6AQ, TEN PAIRS; BALANCE, SIX PAIRS IN A BUNDLE.

THE CHAMPION.

This is intended more particularly for a leaping ski, to be used by experts in the leaping contests, and like all skis on this page is made after the very latest Norwegian design.

Nos. 7H to 8H Made of the Very Best Quality Straight-grained Second Growth Hickory Finished in Black with Fancy Grooved White Stripes as Shown in Cut and Also in Natural Wood with Dark Stripes and Is Equipped with Heavy Leather Toe-Straps and Corrugated Rubber Foot Rests. Other Lengths Made to Order.

No. 7H—Length 7 ft., w't per pr. 10 lbs.★ per pair **CIE** $6.60
No. 76H—L'gth 7½ ft., w't per pr. 11 lbs.★ per pair **DCJ** 7.20
No. 8H—Length 8 ft., w't per pr. 13 lbs.★ per pair **DGJ** 7.80

FIVE PAIRS IN A BUNDLE.

SKI POLES.



No. 6—Bamboo, length 6 ft., with flexible washer, w't each 1¼ lbs.★ ..... each **DE** $0.70
No. 5—Hardwood, length 5 ft., with rigid washer, w't each 1¼ lbs.★ ..... each **DE** 0.70



SKI BINDINGS.

No. 1—Leather with metal side plates, w't per pr. 1 lb.★ ..... per pair **AAJ** $1.80
No. 2—Double and stitched, with or without tightening buckle, w't per pr. 1¼ lbs., per pair★ ..... **ADE** 2.40

The tightening buckle will take up 1¼ in. of slack, and is the most efficient tightening device on the market.

HIBBARD REVONOC AND SPECIAL ICE SKATES.

FOR MEN AND BOYS.



Screw Clamp.

Top plates and clamps of best quality cold rolled steel, runners of best steel.

No. 1000 REVONOC—Polished, all sizes, per pair .....DC $0.70

No. 1005 REVONOC—Nickel Plated, all sizes .....per pair JFJ $1.00

Size, in.	8	8½	9	9½	10	10½	11	11½	12
W't, pr., oz.	34	35	36	39	40	41	42	44	

Screw Clamp Hockey.



Top plates and clamps of best quality cold rolled homogenous steel, runners of best steel.

No. 3000 REVONOC—Nickel Plated, all sizes .....per pair JIE $1.50

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	36	39	40	41	42



Top plates and clamps of best quality cold rolled homogenous steel, runners of special tempered steel, highest quality.

No. 3008 REVONOC—Nickel Plated, all sizes .....per pair AFE $2.70

Size, in.	10	10½	11	11½
W't per pair, oz.	39	40	41	42

Canadian Hockey.



Top parts of best quality cold rolled homogenous steel, runners of best steel.

No. 2005 REVONOC—Nickel Plated, all sizes .....per pair EJ $0.80

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	25	27	28	29	32



Top parts of best quality cold rolled homogenous steel, flanged runners of special extra tempered steel. Top plates have polished edges, highest quality.

No. 2008 REVONOC—Nickel Plated, all sizes .....per pair AFE $2.70

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	25	27	28	29	32

ONE PAIR IN A BOX.

FOR WOMEN AND CHILDREN.

Hockey and Figure.



Top parts of best quality cold rolled homogenous steel, runners of special tempered steel, full polished, narrow foot plate, top plates have polished edges.

No. 4008 REVONOC—Nickel Plated, all sizes .....per pair ABJ $2.00

Size, in.	9	9½	10	10½
W't per pair, oz.....	22	24	27	29

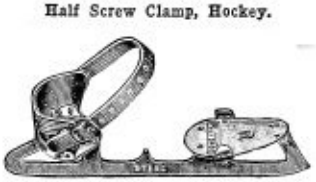


Top parts of best quality cold rolled homogenous steel, flanged runners of special tempered steel and edges beveled, narrow foot plates, top plates have polished edges, highest quality.

No. 4009 REVONOC—Nickel Plated, all sizes .....per pair AEE $2.50

Size, in.	9	9½	10	10½
W't per pair, oz.	22	24	27	29

Half Screw Clamp, Hockey.



Top plates and clamps of best quality cold rolled homogenous steel, runners of best steel, russet leather back and straps.

No. 8000 REVONOC—Nickel Plated, all sizes .....per pair ADJ $2.20

Size, in.	8½	9	9½	10	10½
W't per pair, oz...	34	35	36	37	39



Top plates and clamps of best quality cold rolled homogenous steel, flanged runners of special tempered steel, top plates have beveled edges, russet leather back and straps, back lined with red morocco leather, highest quality.

No. 8008 REVONOC—Nickel Plated, all sizes .....per pair CFE $6.00

Size, in.	9	9½	10	10½
W't per pair, oz.....	35	36	37	39

ONE PAIR IN A BOX.

FOR WOMEN AND CHILDREN.

Half Screw Clamp.



Top plates and clamps of best quality cold rolled homogenous steel, best steel runners, russet leather backs and straps.

No. 6000 REVONOC—Polished, all sizes, per pair .....JIE $1.50

Size, in.	8½	9	9½	10
W't per pair, oz.....	30	31	32	34



Top plates and clamps of best quality cold rolled homogenous steel, polished edges, runners of hardened tempered steel and contain a high percentage of carbon, russet leather back and straps.

No. 6004 REVONOC—Nickel Plated, all sizes .....per pair AEJ $2.40

Size, in.	9	9½	10	10½
W't per pair, oz.....	31	32	34	35

UNION HDWE. CO.



All Strap.

Best quality cold rolled homogenous steel top plates, cast steel blades, polished, high steel backs and russet web straps.

No. 52—Polished, all sizes, per pair .....CE $0.60

Size, in.	8	8½	9	9½	10
W't per pr., oz.	28	30	31	32	34

RACING SKATES.



Nestor Johnson "North Star."

No. 300—Tubular, finely tempered tool steel blades, other parts aluminum bronze and nickel, highly finished, shoes of India kangaroo leather, for men's shoes sizes 6, 7, 8, 9 and 10, with shoes w't per pr. 3½ lbs., per pair .....JGBJ $12.00

Skates will fit shoes ½ size smaller or larger than sizes given above. Can supply for boys or ladies at same prices.

ONE PAIR IN A BOX.

BARNEY & BERRY ICE SKATES.

FOR MEN AND BOYS.

Lever Skates.



A thoroughly constructed side lever skate, well finished, tops of cold rolled steel, blades of cast steel, polished.

No. 30—Grade 0, bright finish, all sizes, per pair .....CH $0.64

No. 32—Grade 2, nickel plated, all sizes per pair .....JFJ $1.00

No. 30-X—Same style and general construction as No. 30, but not of such excellent quality of material or workmanship .....per pair CJ $0.52

No. 32-X—Same style and general construction as No. 32, but not of such excellent quality of material and workmanship .....per pair DH $0.80

Sizes and Weights on Nos. 30, 32, 30-X and 32-X.

Size, in.	8	8½	9	9½
W't per pair, oz.	25	26	28	29

Size, in.	10	10½	11	11½	12
W't per pair, oz...	31	32	34	35	35



Very attractive design, tops of best cold rolled steel, blades of special carbon steel, hardened and finely finished.

No. 42—Grade 2, Nickel Plated, all sizes, per pair .....ABJ $2.00

Size, in.	9	9½	10	10½	11	11½	12
W't per pr., oz.	28	29	32	34	34	35	35



Cold rolled steel tops, adjusted by longitudinal single throw screw and locked at back of heel with keyless heel lever provided with slots for inserting heel strap, special shape foot plates, extra length outside clamps, cast steel blades.

No. 130—Grade 0, Blued tops, polished blades, all sizes ....per pair DE $0.70

Size, in.	8	8½	9	9½	10
W't per pair, oz...	25	26	28	29	31

Size, in.	10½	11	11½	12
W't per pair, oz.....	32	34	35	35

No. 132—Grade 2, Nickel Plated, all sizes .....per pair JFJ $1.00

Size, in.	9	9½	10	10½	11	11½	12
W't per pr., oz.	28	29	31	32	34	35	35

ONE PAIR IN A BOX.

FOR MEN AND BOYS.



Lever.

Best cold rolled steel tops, adjusted by longitudnal single thread screw and locked at back of heel with keyless heel lever, provided with slots for inserting heel strap, foot plates shaped like shoe sole, extra length outside clamps, solid steel blades.

No. 142—Grade 2, Nickel Plated, all sizes .....per pair ABJ $2.00

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	29	32	34	34	35	35

All Clamp.



Cast steel blades, all clamp, operated by double thread screw, fine finish throughout.

No. 110—Grade 0, Bright Finish, all sizes .....per pair EE $0.90

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	29	31	32	33	34	35

All clamp, cast steel blades, upper parts of crucible steel.

No. 112—Grade 2, Nickel Plated, all sizes .....per pair JGE $1.30

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	28	31	32	32	33	34

Sure key clamp fastening, solid steel blades, hardened, finely finished throughout.

No. 122—Grade 2, Nickel Plated, all sizes .....per pair ABJ $2.00

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	28	31	32	32	34	36



Tempered selected cold rolled steel tops, all clamp, welded steel blades.

No. 72—Grade 2, Nickel Plated, all sizes .....per pair BJJ $3.30

Size, in.	10	10½	11	11½	12
W't per pair, oz...	32	33	35	36	38



Hockey.

Selected cold rolled steel tops, all clamp key fastening, embossed toe clamps, operated by double threaded transverse screw and heel clamp by longitudinal screw, solid carbon steel blades, hardened and finely finished, impossible for shoe to slip forward through the clamps.

No. 522—Grade 2, Nickel Plated, all sizes .....per pair ABJ $2.00

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	29	31	33	34	34	35

ONE PAIR IN A BOX.

FOR MEN AND BOYS.

Hockey, All Clamp.



Welded tool steel ribbed blades.

No. 582—Grade 2, Nickel Plated, all sizes .....per pair BDJ $4.00

Size, in.	10	10½	11	11½	12
W't per pair, oz...	35	35	35	36	37



Security style, best cold rolled steel tops, well finished, plain welded tool steel blades specially tempered and very durable, fine lengthwise finish.

No. 662—Grade 2, Nickel Plated, all sizes .....per pair AEJ $2.50

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	33	35	36	37	39



Crucible steel tops, cast steel blades.

No. 512—Grade 2, Nickel Plated, all sizes .....per pair JHE $1.40

No. 512-X—Same as No. 512 but not so well finished.....per pair JFE $1.10

Size, in.	9½	10	10½	11	11½	12
W't per pair, oz....	30	33	34	34	34	37



Half Hockey, Safety Edge, for Figure Skating.

Selected cold rolled steel tops, solid carbon steel blades, hardened and finely finished, foot and heel plates have screw holes for permanent attachment to shoe, very light.

No. 92—Grade 2, Nickel Plated, all sizes, per pair .....BJJ $3.30

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	22	24	24	25	26



Interstate Hockey.

Selected cold rolled steel tops, special nickel steel blades, ground to correct form, carefully tempered and very durable.

No. 642—Grade 2, Nickel Plated, all sizes .....per pair BAJ $3.50

Size, in.	9½	10	10½	11	11½
W't per pair, oz...	24	27	29	31	32

ONE PAIR IN A BOX.

BARNEY & BERRY ICE SKATES.

FOR MEN AND BOYS.



Safety Edge Hockey.

Crucible steel tops, best quality cast steel blades, **highly tempered.**

No. 613—Grade 3, Nickel Plated, all sizes .....per pair **CHJ** $6.30

Size, in.	10	10½	11	11½
W't per pair, oz.	23	24	24	25



Latest Design Hockey.

Best cold rolled steel tops, welded tool steel blades, carefully tempered and very durable, designed for strength.

No. 772—Grade 2, Nickel Plated, all sizes .....per pair **ABJ** $2.00

Size, in.	9½	10	10½	11	11½
W't per pair, oz.	22	24	25	26	28



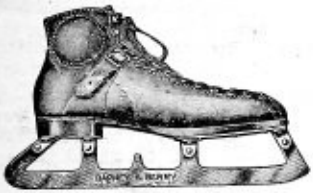
Tubular Hockey, Safety Edge.

Made in halves of specially treated steel, electrically welded at all essential points and continuously on the blade, making an apparently solid runner, with just the right temper for hardest service.

No. 653—Polished and Nickeled, all sizes .....per pair **DBJ** $7.00

Size, in.	9½	10	10½	11	11½
W't per pair, oz.	25	26	26	29	29

ECLIPSE OUTFIT.



Skates have best cold rolled steel tops, **welded** tool steel blades, **carefully tempered** and very durable, mounted on **"Well-Worth"** Shoes, with selected chrome tanned uppers, oak soles, full heel, large rawhide lacing extends to the toe, assuring perfect fit to the foot, free action, comfort to the toes and ball of the foot, at the same time holding instep and ankle firmly without binding. Tongue and toe piece heavily padded, supporting strap around the ankle. When ordering, give size and width of shoe.

No. 11—Outfit, all sizes, per pair.....**DEJ** $7.50

Size, in.	6	7	8	9	10
W't per pair, oz.	58	60	62	64	65

ONE PAIR IN A BOX.

FOR WOMEN AND CHILDREN.

Lever and Strap.



Bright crucible steel tops, cast steel blade, polished, russet grained leather heel straps, nickel plated heel bands.

No. 330—Grade 0, Bright, all sizes, per pair .....**JHE** $1.40

Size, in.	8	8½	9	9½
W't per pair, oz.	26	27	30	30

Size, in.	10	10½	11	11½
W't per pair, oz.	30	32	34	37

No. 332—Grade 2, Nickel Plated, all sizes .....per pair **ABJ** $2.00

Size, in.	8½	9	9½	10	10½	11
W't per pair, oz.	27	29	29	31	32	34

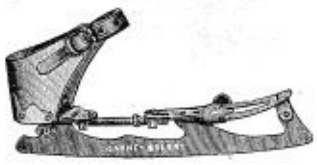
No. 330-X—Same type and general construction as No. 330, but not of such excellent quality of material and workmanship ....per pair **JFE** $1.10

Size, in.	8	8½	9	9½
W't per pair, oz.	26	27	30	30

Size, in.	10	10½	11	11½
W't per pair, oz.	30	32	34	37

No. 332-X—Same type and general construction as No. 332, but not of such excellent quality of material or workmanship ....per pair **JHE** $1.40

Size, in.	8½	9	9½	10	10½	11
W't per pair, oz.	27	29	29	31	32	34



Bright crucible steel tops, solid cast steel hardened blades, polished, russet grained leather heel straps, nickel plated bands.

No. 342—Grade 2, Nickel Plated, all sizes .....per pair **AEE** $2.60

Size, in.	8½	9	9½	10	10½	11
W't per pair, oz.	30	33	33	33	35	35

ONE PAIR IN A BOX.

FOR WOMEN AND CHILDREN.



Ladies Hockey.

Best quality cold rolled steel tops, double threaded screw clamp fastening at toe, adjustable sidewise, **welded** tool steel blades, **tempered,** fine lengthwise finish, full quality russet grain leather supporting strap, nickeled heel bands.

No. 492—Grade 2, Nickel Plated, all sizes .....per pair **BDJ** $4.00

Size, in.	9	9½	10	10½	11
W't per pair, oz.	31	31	34	34	35



All Strap.

Bright crucible steel foot plates, cast steel blades, polished, russet leather heel and toe straps, nickeled heel band.

No. 320 Grade 0, Bright, all sizes per pair .....**JFJ** $1.00

Size, in.	7	7½	8	8½
W't per pair, oz.	22	22	23	24
Size, in.	9	9½	10	10½
W't per pair, oz.	26	26	28	29

ONE PAIR IN A BOX.

CONRON SKATES AND SKATE SUNDRIES.

CONRON ADJUSTABLE.



Boy's Rocker.

High grade cold rolled steel tops and supports.

Fitting shoes 10 in. and under.

No. 60—Polished Blades, w't per pair 44 oz. .....per pair **JGJ** $1.14

No. 600—Polished, Nickeled and Buffed Blades, w't per pair 44 oz., per pair .....**JIJ** $1.54

No. 620—Nickel Plated, Hardened Steel Blades, w't per pair 44 oz., per pair .....**ACJ** $2.20

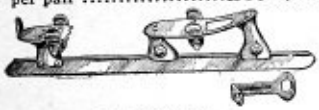
Men's Rocker.

Fitting shoes 12 in. and under.

No. 61—Polished Blades, w't per pair 44 oz. .....per pair **JGJ** $1.14

No. 610—Polished, Nickeled and Buffed Blades, w't per pair 44 oz., per pair .....**JIJ** $1.54

No. 630—Nickel Plated, Hardened, Steel Blades, w't per pair 44 oz., per pair .....**ACJ** $2.20



Boy's Hockey.

Fitting shoes 10 in. and under.

No. 400—Polished, Nickeled and Buffed Blades, w't per pair 44 oz., per dozen .....**JIJ** $1.54

No. 420—Nickel Plated Hardened Steel Blades, w't per pair 44 oz., per pair .....**ACJ** $2.20

Men's Hockey.

Fitting shoes 12 in. and under.

No. 410—Polished, nickeled and Buffed Blades, w't per pair 44 oz., per pair .....**JIJ** $1.54

No. 430—Nickel Plated Hardened Steel Blades, w't per pair 44 oz., per pair .....**ACJ** $2.20



Rear Post of Sole Plate in position on blade of skate. Post ready to shove back for locking.

CHILDRENS' EXTENSION BOB.



No. 1—Children's extension, polished cold rolled steel, adjustable from 6½ to 8 in., russet leather straps, w't per pr. 1½ lbs.....per pair **CJ** $0.46

Extension allows it to be fitted to the foot of any small child.

ONE PAIR IN A BOX.

SKATE SHARPENERS.



Perfect, blued steel holder, projecting lugs, flexible grinders, rotary emery wheel of best emery and carborundum, will grind the hardest tool steel runner and positively will not soften it.

No. 10—For Hollow Grinding, w't per doz. 1½ lbs.....per dozen **ABJ** $1.50

No. 15—For Flat Grinding, w't per doz. 1½ lbs. .....per dozen **ABJ** $1.50

ONE DOZEN ON DISPLAY CARD.

HEEL PLATES.



No. 14—Regular, per hundred pairs .....**BDJ** $4.00

No. 97—Large holes, per hundred pairs .....**BDJ** $4.00

SKATE STRAPS.

Black Leather, Roller Buckle.

	18	21	24
No. 1—Inches.....			
Per dozen pairs	$2.40	2.70	3.00
	ABJ	**ACJ**	**ADE**

No. 2—⅝x21 in., russet leather, with patent buckle, per dozen pairs .....**AEJ** $3.00

PACKED LOOSE.



No. 12—Web, ⅝x21 in., with patent buckle ...per dozen pairs **JGJ** $1.20

A strong, light strap.

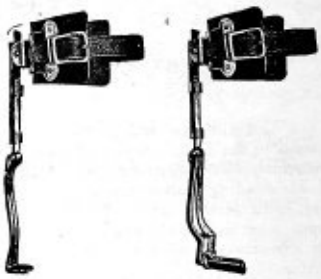
PACKED LOOSE.

ANKLE SUPPORTS.



No. 5—Heavy russet leather, laced front, men's, boys' and ladies', w't per doz. prs. 3¾ lbs., per dozen pairs .....**JGBJ** $12.00

ONE DOZEN PAIRS IN A BOX.



No. 2. Nos. 3, 3½.

Grade 2, Nickel Plated, Russet Leather Straps.

No. 2—Model D, can be riveted to any ordinary lever skate, it is only necessary to drill two small holes in heel clamp corresponding to those in support, w't per doz. pairs 6 lbs., with rivets, per dozen pairs .....**JHDJ** $14.00

Model C, Grade 2, Nickel Plated, For Use on All Clamp Racer, Hockey and All Clamp Fastening Skates. Lower Part Forms a Heel Clamp for Skate.

No. 3—For Men, w't per doz. prs. 6 lbs., per dozen pairs .....**AJBJ** $16.00

No. 3½—For Ladies, w't per doz. prs. 6 lbs. ..per dozen pairs **AJBJ** $16.00

ONE PAIR IN A BOX.

SIZES OF SKATES IN INCHES, WITH THE CORRESPONDING NUMBER OF SHOES.

The shapes of shoes are so many and varied that it is impossible to make up a table showing the exact relative sizes of shoes and skates, but the following will be found approximately correct, as applying to Barney & Berry Ice Skates.

Size of Skates, in.	7	7½	8	8½
Nos. of Shoes	8½, 9, 9½	10, 10½, 11	11½, 12, 12½	13, 13½
Size of Skates, in.	9	9½	10	10½
Nos of Shoes	1, 1½, 2	2½, 3, 3½	4, 4½, 5	5½ 6, 6½
Size of Skates, in.	11	11½		12
Nos. of Shoes 7, 7½, 8, 8½		9, 9½, 10, 10½		11½

FLAGS, BUNTING, PENNANTS AND CANNON

UNITED STATES FLAGS.



BEST WOOL BUNTING.

The best finished and strongest wool bunting flag ever offered to the trade. Seams all double stitched, hems made with interlining of strong tape. Small sizes finished with canvas heading and grommets, large sizes, from a 10x15 ft. flag, with strong canvas heading and manila rope. Full complement of stars sewed on both sides of the field, with the exception of the two smallest sized flages, which have 13 stars.

2 x3 ft.	..... each	**AAJ**	$1.92
2½x4 ft.	..... each	**AFE**	2.88
3 x5 ft.	..... each	**BJJ**	3.52
3 x6 ft.	..... each	**BEE**	4.48

COTTON BUNTING.

Fine Fast Color, Guaranteed to Launder.

Small sizes with canvas heading and grommets. Large sizes from 10x15 ft. with strong canvas heading and rope. These flags are made with the same care and finish as our all wool bunting flags, and for outside decorations are more serviceable than the latter. All flags, with the exception of the two smallest sizes, which have 13 stars, have the full complement of stars.

2x 3 ft.	..... each	**EJ**	$0.84
3x 5 ft.	..... each	**JHE**	1.44
4x 6 ft.	..... each	**AJJ**	1.68
4x.7 ft.	..... each	**ABJ**	2.02
5x 8 ft.	..... each	**AEJ**	2.52
6x10 ft.	..... each	**BAE**	3.60

Larger, or any other sizes not listed, made to order at proportionate prices.

Cotton bunting, red, white or blue, 24 in. wide, per yard ..... **AA** $0.20

Standard wool bunting, red, white or blue, 18 in. wide, per roll of 40 yards ..... **JHDJ** $14.00

PENNANTS.



Finest Quality All Wool Felt, Bound with Satin Ribbons, Two Sets of Double Ribbon Streamers.

9x24 in.	..... per dozen	**BDJ**	$ 4.20
12x30 in.	..... per dozen	**CIJ**	6.80
15x36 in.	..... per dozen	**JFAJ**	10.60
18x36 in.	..... per dozen	**JFGJ**	11.70

Penants of the following colleges are carried in stock—

Amherst	Carlisle	Princeton	Indiana
Armour	Northwestern	Purdue	Iowa
Army	Notre Dame	Dartmouth	Michigan
Minnesota	Navy	Harvard	Wisconsin
Missouri	Chicago	Illinois	Wellesley
Nebraska	Columbia	Stanford	Yale
Beloit	Cornell	Vanderbilt	
California	Pennsylvania	Vassar	

IMPORTANT.

Above prices apply on stock goods in any quantity and on pennants with special lettering up to twelve letters in lots of ½ doz. or more. On special pennants in lots of less than ½ dozen, write for prices.

WINCHESTER BREECH LOADING CANNON.



For Saluting and Celebrating.

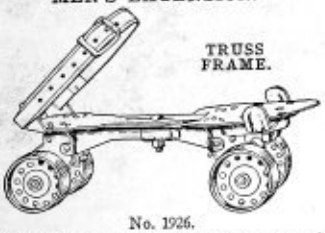
No. 100—10 gauge, 12 in., rolled steel, blued barrel, cylinder bored, japanned cast iron frame, 3⅝ in. wheels, entire length 17 in., 7¼ in. wide, w't 14 lbs., each **JHDJ** $10.00

10 Gauge Shells, loaded with 8 drs. black powder, for above, per 100 ..... **BAJ** $3.75

Bursting cannon cause a heavy injury list on New Years, July 4th and other days of celebration. Here is a cannon that will shoot a ten gauge shell (sold in safe and measured loads.) The ammunition is conveniently carried and quickly loaded.

BARNEY & BERRY'S ROLLER SKATES.

MEN'S EXTENSION.



No. 1926.

Best Cold Rolled Steel Top, Balance of Parts Best Open Hearth Steel, Grain Leather Straps, Made in One Size Only, Adjustable from 8½ to 11½ Inches.

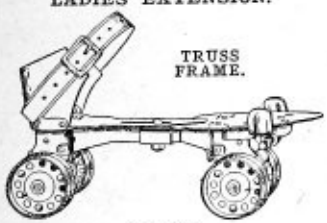
No. 1921—Men's, plain bearing, bright finish, steel rolls, w't per pr. 4½ lbs., per pair .....**JHE** $1.40
ONE PAIR IN A PACKAGE; 36 PAIRS IN A BOX.

No. 19252—Men's' nickel plated top, ball-bearing, ¼ in. steel balls, fitted with new Ideal rolls, bright finish, w't per pr. 4½ lbs. .....per pair **AFJ** $2.70
ONE PAIR IN A PACKAGE; 36 PAIRS IN A CASE.

No. 1926—Men's, ball-bearing, full nickel plated and buffed, steel rolls, w't per pr. 5 lbs. .....per pair **BEJ** $4.20
ONE PAIR IN A BOX; 25 PAIRS IN A CASE.

No. 1930—Men's, ball-bearing, ¼ in. steel balls, nickel plated, full polished, fitted with New Ideal Rolls, w't per pr. 4½ lbs.....per pair **BAJ** $3.50
ONE PAIR IN A BOX; 25 PAIRS IN A CASE.

LADIES' EXTENSION.



No. 19272.

Cold Rolled Steel Top, Balance of Parts Best Open Hearth Steel, Grain Leather Straps, Made in One Size Only, Adjustable from 8 to 10½ Inches.

No. 1923—Ladies', plain bearing, bright finish, steel rolls, w't per pr. 4½ lbs., per pair .....**JHE** $1.40
ONE PAIR IN A PACKAGE; 30 PAIRS IN A BOX.

No. 19272—Ladies', nickel plated top, ball-bearing, ¼ in. steel balls, fitted with new Ideal rolls, bright finish, w't per pr. 4½ lbs., per pair .....**AFJ** $2.70
CASE.

No. 1928—Ladies', ball-bearing, ¼ in. steel balls, full nickel plated and buffed, steel rolls, w't per pr. 5 lbs., per pair .....**BEJ** $4.20
ONE PAIR IN A BOX; 25 PAIRS IN A CASE.

No. 1932—Ladies ball-bearing, ¼ in. steel balls, nickel plated, full polished fitted with New Ideal Rolls, w't per pair 4½ lbs. .....per pair **BAJ** $3.50
ONE PAIR IN A BOX; 25 PAIRS IN A CASE.

MEN'S EXTENSION.



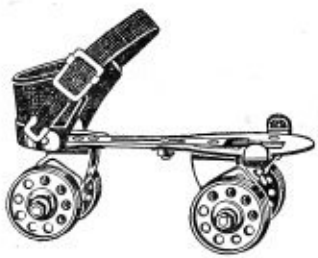
No. 1966—Boys', ball bearing, a strong serviceable skate made from cold rolled steel, mounted on the famous Ideal rolls, ¼ in. steel balls, cushion action, nickel finish, leather straps, adjustable from 8 to 11 in., w't per pr. 4½ lbs. .....per pair **ABJ** $2.00
ONE PAIR IN A PACKAGE; 36 PAIRS IN A CASE.

Rolls and skates fully guaranteed.

LADIES' EXTENSION.



No. 1968—Girls', ball-bearing, a strong serviceable skate made from cold rolled steel, mounted on the famous Ideal rolls, ¼ in. steel balls, cushion action, nickel finish, fitted with a suitable leather back and short clamps, adjustable from 8 to 11 in., w't per pr. 4½ lbs. .....per pair **ABJ** $2.00
ONE PAIR IN A PACKAGE; 30 PAIRS IN A CASE.



No. 1948—Children's, ball-bearing, tops of bright cold rolled steel, fitted with the Ideal rolls, ¼ in. steel balls, white nickel finish, leather backs with leather straps and patent buckle, adjustable from 6 to 7½ in., w't per pr. 2⅜ lbs. .....per pair **ABJ** $2.00
ONE PAIR IN A PACKAGE.

BALL BEARING RINK.



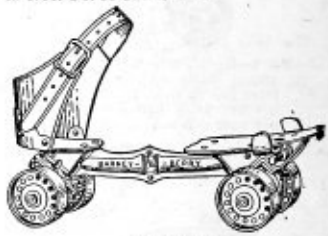
No. F1911.

Cold Rolled Sheet Steel Frame, Rubber Cushioned, Ball-Bearing, Not Adjustable in Length, with Key Toe Clamp, Leather Half Heel Strap.

No. F1911—Men's, white finish, fibre rolls, ¼ in. steel balls, sizes 9½, 10, 10½, 11 and 11½ in., w't per pr. 5½ lbs., per pair .....**CBE** $5.90

No. S1911—Men's, white finish, new pattern steel rolls, ¼ in. steel balls, sizes 9½, 10, 10½, 11 and 11½ in., w't per pr. 5½ lbs.....per pair **CBE** $5.40

Size 9 can be obtained from factory in Nos. F1911 and S1911.



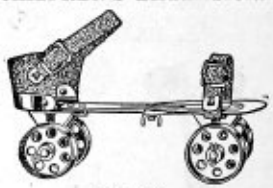
No. S1913.

Leather Full Heel Strap.

No. F1913—Ladies', white finish, fibre rolls, ¼ in. steel balls, sizes 8½, 9, 9½, 10 and 10½ in., w't per pr. 5½ lbs., per pair .....**CBE** $5.90

No. S1913—Ladies', white finish, new pattern steel rolls, ¼ in. steel balls, sizes 8½, 9, 9½, 10 and 10½ in., w't per pr. 5½ lbs.....per pair **CBE** $5.40
ONE PAIR IN A BOX.

CHILDREN'S EXTENSION.



No. 1953.

Made from Open Hearth Steel, Well Finished, Plain Bearing, No Cushions, Web Straps, Cast Iron Rolls, Extends from 7 to 9 Inches.

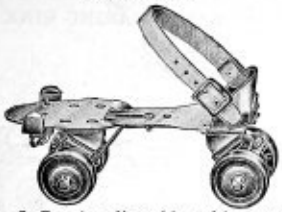
No. 1951—Boys', heel strap only, w't per pr. 2¾ lbs. .....per pair **CC** $0.56
ONE PAIR IN A PACKAGE; 60 PAIRS IN A CASE.

No. 1953—Girls', durable fibre back for heel, w't per pr. 2½ lbs., per pair .....**CF** $0.60
ONE PAIR IN A PACKAGE; 50 PAIRS IN A CASE.

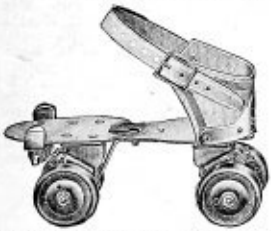
A new design for beginners and play purposes.

ROLLER SKATES, KEYS AND PARTS.

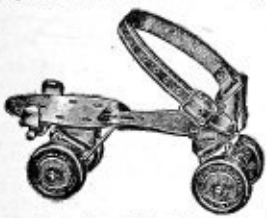
UNION HARDWARE BALL BEARING.



No. 5—Boys', adjustable with narrow heel strap, full nickel plated, extends from 7½ to 10½ in., ⅞ in. steel balls, w't per pr. 4½ lbs., per pr. ABJ $2.00



No. 6—Girls', adjustable with full heel strap, full nickel plated, extends from 7½ to 10½ in., ⅞ in. steel balls, w't per pr. 4 lbs. 6 oz., per pair .....ABJ $2.00



No. 4—Juvenile, adjustable with full web heel strap, full nickel plated, extends from 6⅝ to 7⅞ in., has fibre back, ⅞ in. steel balls, w't per pr. 4 lbs. 6 oz. .....per pair ABJ $2.00

ONE PAIR WRAPPED IN PAPER.

EXTRA KEYS.



No. 75. No. 76. No. 77.

No. 75—Blued case hardened steel, for Winslow skates, per 100 DJJ $6.65

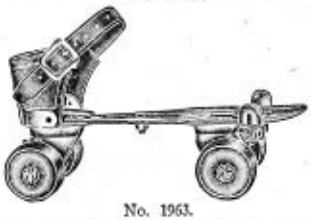
No. 76—Combination key and wrench, malleable iron, for Barney & Berry rink skates .....per 100 BDJ $4.00

No. 77—Stamped keys, interchangeable, fit all standard skates, per hundred .....ABJ $1.75

Interchangeable for all Standard Skates.

ONE GROSS IN A BOX.

BARNEY & BERRY PLAIN BEARING.



No. 1963.

Plain Bearing, Plain Finished Made from First Quality Material, Embossed for Increased Strength, Cushion Action, Leather Straps, Adjustable 8 to 10½ in., W't per pair 4½ Lbs.

No. 1961—Boys'.....per pair JHE $1.40

No. 1963—Girls', solid leather back for heel .....per pair JHE $1.40

ONE PAIR IN A PACKAGE; 36 PAIRS IN A CASE.

UNION HARDWARE.



No. 3—Steel tops, high steel backs, making them suitable for either boys or girls, adjustable from 7¼ to 9½ in., screw clamp on toe, w't per pair 2 lbs. ..... per pair DJ $0.70

No. 2—With strap at toe instead of clamp, otherwise same as No. 3, per pair ..... CE $0.60

ONE PAIR IN A PACKAGE, 125 PAIRS IN A CASE.

ROLLER SKATE ROLLS.



No. 24.

Barney & Berry New Ideal, Steel, Complete With Balls and Bearings, Can Be Put on Any Plain Bearing Skates, Making Them Ball Bearing. Balls Are In a Special Retainer, the Rolls are Guaranteed, 8 Rolls in a Set.

No. 24 .....per dozen sets JIEJ $17.28

No. 25—Juvenile, made in juvenile pattern for No. 1948 skates, per dozen sets .....JIEJ $17.28

The New Ideal fits any skate.

No. 12—Steel polished, plain bearing, for all makes of skates, 8 rolls in a set .....per dozen sets CDE $5.76

No. 220—Hollow steel, for Union Hardware B. B. skates, 8 rolls in a set, per dozen sets.....DJE $9.60

BARNEY & BERRY SKATE PARTS.

Plain or Nickel Plated.

No. 2111—Clamp Screw, Left, per dozen★ $0.96

No. 2112—Clamp Screw, Right, per dozen★ $0.96

No. 2117—Russet Strap with Guard, 14x⅜ in.★ .....per dozen $1.92

No. 2118—Russet Strap with Buckle and Guard, 5x⅜ in.★ per dozen $1.92

No. 2124—Ladies' Heel Strap, Right, per dozen★ $3.84

No. 2125—Ladies' Heel Strap, Left, per dozen★ $3.84

No. 2123—Steel Band for Nos. 2124 and 2125 .....per dozen $0.60

No. 2144—Extension Locking Bolt, for truss frame skates.....per dozen $0.48

No. 2134—Extension Locking Plate, per dozen $0.48

No. 2142 — Rubber Cushion, size 1x⅝x$\frac{7}{16}$ in. .....per dozen $0.80

No. 2139—Cushion Locking Piece, per dozen★ $0.06

No. 2143—Plain Bearing Axle, per dozen $0.48

No. 20845—Retained Bearing Complete, per dozen $1.44

No. 2081—Ball Bearing Axle, 3⅛ in. long .....per dozen $0.96

No. 2055—Nut for Axle and Extension Bolt .....per dozen $0.48

No. 2060—Dust Cap for Ball Bearing Roll .....per dozen $0.24

No. 2058—Lock Washer for Axle, per dozen $0.06

No. 2086—Thin Space Washer for Cones, per dozen $0.04

No. 2082—Heavy Axle Washer, per dozen $0.06

No. 2141—Cotter Pin★...per dozen **$0.06**

No. 194—Rivets used with No. 2123, per dozen★ $0.02

ROLLER SKATE PARTS.

No. 878—Dust Caps, per 100 AJJ $1.80

No. 879—Cones .....per 100 CFJ $6.00

No. 880—Axle Nuts, per 100 JHE $1.50

No. 881—Axles and Carriers, complete, per 100 .....AJCJ $18.00

NOS. 878 TO 881 ONE HUNDRED IN A BOX; ONE THOUSAND IN A CARTON.

No. 882—Set consisting of one right and one left clamp and screw, per set .....AA $0.20

No. 883—D washers, per doz. JD $0.06

No. 884—Connecting bolts and nuts, for Nos. 1966 and 1968 skates, per set .....JD $0.06

When ordering state whether for right or left skate.

HIBBARD REVONOC "WARP END" HAMMOCKS.

REVONOC hammocks represent perfection in construction, design, color combinations and material. The weaving is done by experts and the unique and individual designs and color combinations are the work of artists thoroughly schooled along and experienced in these lines. The result is a line of hammocks that meets the popular taste in all its variations.

The scientific stringing arrangement is another decided improvement. The strings are so arranged as to be strongest and most numerous where the greatest strain is applied. Extra stringing cords are attached to the spreader ends, and the center cords are double.



On all REVONOC hammocks, with divided suspension, a special center pull is arranged for.

"No-not" hammock rings require no knots in the hanging. Simply pass the rope through the double eye and then through the loop thus formed.

Guaranty—REVONOC hammocks are covered with an absolute guarantee. The colors are fast, and each and every thread perfect.

Unless otherwise specified, the REVONOC hammocks on this page possess the following superior features of construction—first, reinforcing casting at spreader ends, patented, second, 3 extra supporting cords, third, concealed head spreader, fourth, large upholstered throw-back pillow, fifth, foot spreader with nickel capped ends, sixth, full valance, seventh, fancy tassel pillow trimmings, eighth, improved continuous center stringing, patented.



No. 2098 REVONOC—Open or gauze weave 3 ply hard-spun yarn, in strong colors effectively striped, size 34x84 in., no foot spreader, no valance, no pillow trimmings, no center stringing, round pillow, w't per doz. 40 lbs., per dozen .....**AJDE** $17.40

No. 2118 REVONOC—Open or gauze weave 3 ply hard-spun yarn, in strong colors effectively striped, no center stringing, no pillow trimmings, round pillow, size 36x84 in., w't per doz. 40 lbs., per dozen .....**ACGJ** $22.80



No. 2128 REVONOC—Close canvas weave of best hard-spun yarn, in bright well-colored stripes, size 36x84 in., no pillow trimmings, no center stringing, appropriately striped deep valance, w't per doz. 40 lbs., per dozen .....**ADAJ** $23.50



No. 2138 REVONOC—Close canvas weave, very handsomely striped, size 36x81 in., w't per doz. 40 lbs., per dozen .....**AEHJ** $26.35

No. 2468 REVONOC—Substantial canvas weave cloth of best hard-spun yarn, richly colored with fine pin-striped pattern in relief, size 36x84 in., no pillow trimmings, appropriately striped wide valance, w't per doz. 50 lbs. .....per dozen **AIDE** $32.40



No. 2198 REVONOC—Well made close canvas weave, small fancy design figures in rich well-colored stripes, size 36x86 in., appropriately designed deep valance, w't per doz. 50 lbs., per dozen .....**BBCJ** $37.20



No. 2188 REVONOC—Substantial weave, with wide center, size 36x86 in., no pillow trimmings, appropriately designed wide valance, no center stringing, w't per doz. 50 lbs., per dozen .....**BJFE** $34.40



No. 2218 REVONOC—Richly colored and effective Jacquard pattern, size 37x88 in., appropriately designed deep valance, w't per doz. 55 lbs., per dozen .....**BEBJ** $42.00



No. 2238 REVONOC—Clever and unusual treatment of wide two-toned center, size 37x88 in., deep valance, w't per doz. 60 lbs. ...per dozen **BGCE** $45.60



No. 2248 REVONOC—All-canvas weave of best grade hard-spun 3 ply yarn, size 36x86 in., beautifully designed deep valance, w't per doz. 60 lbs., per dozen .....**BHAJ** $46.80



No. 2288 REVONOC—Closely-woven fabric in an artistic Japanese design, softly blended colors, size 38x88 in., beautifully designed 15 in. valance, w't per doz. 65 lbs. ..per dozen **CBDJ** $54.00



No. 2308 REVONOC—Well woven, high quality, Oriental design, size 38x88 in., pompons and tassels on pillow, w't per doz. 70 lbs., per dozen .....**CFEJ** $60.80



No. 2318 REVONOC—Well made all-canvass weave, solid colors, size 39x88 in., appropriately designed 15 in. valance, w't per doz. 75 lbs., per dozen.....**CGDE** $62.40

HAMMOCKS AND SWINGS.

REVONOC "WARP END."



No. 2328 REVONOC—"Patterson weave," beautiful Oriental pattern, strikingly effective, size 40x88 in., pompons and tassels on pillow, w't per doz. 75 lbs., per dozen .....**CHIJ** $64.80



No. 2338 REVONOC—Handwork fashion weave of best hard-spun yarn, in pleasing, well-serving colors, with hand-set figure in ornamental design, size, 37x88 in., tasseled fringe on beautifully striped valance, w't per doz. 75 lbs.,..per doz. **CIFJ** $66.00



No. 2358 REVONOC—Closely knitted of hard-spun yarn, modified Empire design, size 37x88 in., beautifully designed 15 in. valance, w't per doz. 75 lbs.....per dozen **DBBE** $70.40



No. 2428 REVONOC—Stout weave of best grade yarn, neatly embossed figures and alternating stripes, size 39x88 in., beautifully designed 15 in. valance, w't per doz. 80 lbs., per dozen.....**EJDJ** $84.00



No. 2488 REVONOC—Drapery woven to produce a heavy cord tassel effect, on valance, appropriate and pleasing colorings, size 42x90 in. nickel capped divided suspension spreaders, heavy curving concealed head spreader, heavy tasseled fringe on wide plaited valance, w't per doz. 100 lbs., per dozen .....**EGFJ** $96.00

REVONOC "WARP END."



No. 2603 REVONOC—Genuine Gobelin tapestry weave, floral design, richly colored, No. 3 green body, size 42x90 in., curving head spreader, nickel capped divided suspension spreader, 16 in. plaited valance, w't per doz. 110 lbs.,..per dozen **JGBJJ** $120.00

REVONOC "WESTERN."

REVONOC "WESTERN" Hammocks are made of extra heavy yarn of special spinning from selected cotton, in original designs and attractive and harmonious combinations of colors.

Stringing cords are best quality 108 seine cord with special hangers.

The spreaders are deeply curved and made of the best quality Tennessee Swamp Oak—noted for its unusual strength under great tension.

Spreaders are concealed at each end of the hammock in pockets woven in the material, and the stringing cords are tied directly around the spreaders.

These hammocks are fully guaranteed.



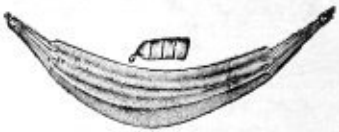
No. 3148 REVONOC—Best quality 8-5 yarn, pleasing striped pattern, size 40x80 in., without pillow or valance, assorted colors, w't per doz. 47 lbs., per dozen .....**AHBE** $30.40

No. 3218 REVONOC—Well spun 8-5 yarn, best quality, effective striped design, 15 in. fluted drapery, size 40x80 in., assorted colors, w't per doz. 54 lbs., per dozen **BFGJ** $44.60

No. 3268 REVONOC—Well woven from carefully spun 8-5 yarn, best quality, beautiful striped design, 15 in., full plaited drapery, size 46x84 in., assorted colors, w't per doz. 71 lbs., per dozen .....**CCJJ** $55.40

No. 3348 REVONOC—Extra heavy woven fabric of 5-5 yarn, spun from carefully selected stock, handsome striped design, 15 in. full plaited drapery, size 46x84 in., w't per doz. 83 lbs. .....per dozen **DCGE** $72.90

REVONOC CANVAS HAMMOCKS.



No. 030 REVONOC—Khaki or all white stout duck securely strung to reinforced ends, size 36x76 in., w't per doz. 23 lbs....per dozen **BJFE** $34.50

Put up in bag for convenience in handling.

No. 40 REVONOC—Stout canvas cloth with extra heavy end cords, washable, patented twin eye hanging attachment, put up in bag 5x22 in., khaki color, w't per doz. 27 lbs., per dozen .....**BEBJ** $42.00

SWINGS.





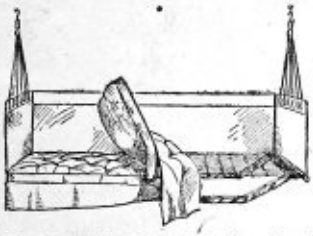
No. 76—Todler swing, seat 13 in. wide, 11 in. deep, back 13 in. wide, 16 in. high, frame is made of No. 6 steel wire with rust proof finish, seat and back are made of heavy canvas, blue and white stripe, complete with ropes, screw hooks and rings, w't per doz. 30 lbs. .....per dozen **JICE** $15.60

Comfortable and safe. Child can sit up or lie down at will.

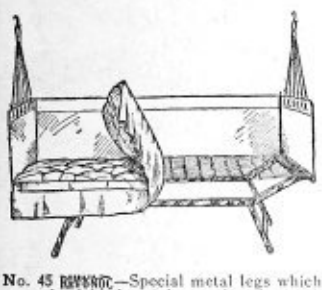
ONE DOZEN N A FIBRE CASE.

HAMMOCK COUCHES AND SUNDRIES.

HAMMOCK COUCHES



No. 44 REVONOC—Depth 28 in., length 6 ft. 3 in., height of back and sides 19 in., frame is made of special extra strong 1½ in. angle steel, painted black to make it absolutely rust proof, spring is a special, double fabric, galvanized and guaranteed to be non-rustable and non-breakable, 15 helican springs at each end, to which the special spring fabric is attached, ends and sides are made of special heavy army duck, and are bolted to the frame through a pine reinforcement at the bottom, a heavy piece of selected pine is sewed in at the top and around this the six extra strong ropes supporting the hammock are run, the very comfortable mattress is made of a special duck filled with cotton, absolutely clean, sweet and sanitary, diamond tufted and box edged, 39 tufts of a golden yellow, w't packed for shipment 53 lbs., each .....JGEJ $12.50



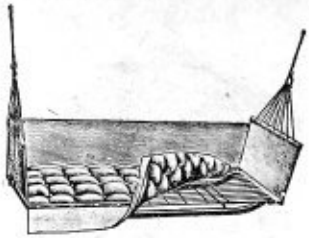
No. 45 REVONOC—Special metal legs which can be folded and fastened underneath ad kept out of the way while used as a suspended couch, if at any time desirable to use the couch as a davenport or cot, the legs are simply dropped, otherwise same as No. 44 REVONOC.....each JHBE $13.70

The REVONOC Hammock Couch is the strongest and most practical couch that can be made. The ends, the wind shield and mattress cover are all dyed together, thus insuring a perfect color match. The mattress has a six in. valance. The color of the duck is a beautiful golden tan.

The back rest is attached to the end pieces by a special metal connection and is made of special selected 2 in. pine. This makes a back rest that will stand any strain that is put on it, and is practically unbreakable.

Each couch is packed carefully in burlap.

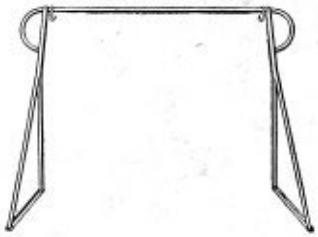
HAMMOCK COUCHES



No. 43—Depth 26 in., length 6 ft., gold bronze finish, steel drop frame, galvanized round wire spring, helical coil springs at one end, drill covered tufted mattress, 15 oz. standard duck ends, back support and wind shield, tan only, w't each 45 lbs., each EGJ $9.50

Each couch burlapped separately.

HAMMOCK STANDS.



No. 53—Steel Stand for hammock couches, 67 in. high, 77 in. long, made of 1¼ in. steel tubing top bar and uprights with angle steel spreaders, securely bolted, finished with a special green waterproofed varnish paint, steel hooks attached, easily folded, w't 49 lbs.....each CIJ $6.50

This stand is suitable for any couch hammock, swinging chair or settee. The stand folds compactly, very easy for shipping and handling, in a bundle 3 in. wide, 48 in. spread at bottom and 96 in. long.



No. 51—Without awning, hardwood frame, adjustable for diferent length hammocks, malleable hinge in center, legs riveted into castings, easily folded into small compass for storage, w't per doz. 600 lbs., per dozen★.....DCBJ $72.00

No. 52—With awning, otherwise same as No. 51, w't per doz. 675 lbs., per dozen★ .....AJFHJ $178.00

HAMMOCK HOOKS.



No. 94-G—⅛ in., wrought iron, plain, with 2½ in. screw eye, w't per doz. 4 lbs.....per dozen CE $0.58

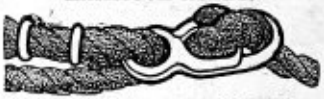
No. 96-G—⅛ in., wrought iron, tinned, with 2½ in. screw eye, w't per doz. 4½ lbs.....per dozen DB $0.70

No. 98-G—⅛ in., wrought iron, plain, with plate 2x2 in., w't per doz. 4½ lbs.....per dozen CF $0.60

No. 100-G—⅛ in., wrought iron, tinned, with plate 2x2 in., w't per doz. 4¾ lbs.....per dozen DC $0.72

ONE DOZEN IN A BOX.

HAMMOCK ROPES.



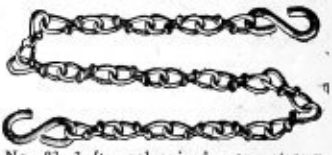
No. 85—Special three strand sisal fibre, 7 ft. long, buckle coated with pure zinc and guaranteed not to rust, per dozen pairs .....BAE $3.60

No. 386—Fasteners, per gross .....JFHJ $11.30

Fasteners cannot slip, but are easily adjusted. Useful for tents, rigging, derricks, tackle, etc.

ONE-HALF DOZEN PAIRS IN A BUNCH; ONE-HALF GROSS PAIRS IN A BALE.

HAMMOCK CHAINS.



No. 83—3 ft., galvanized, very strong, adjustable to any length, w't per doz. prs. 18 lbs., per doz. pairs BJJ $4.00

No. 86—6 ft., galvanized, very strong, adjustable to any length, w't per doz. prs. 30 lbs., per doz. pairs DJJ $8.00

No. 89—9 ft., galvanized, very strong, adjustable to any length, w't per doz. prs. 42 lbs., per doz. prs. JEIE $12.00

ONE PAIR IN A BOX.

PORCH SWING CHAINS.



No. 184—5 ft. leader of size 3/0 galvanized chain, branches 3 ft. each of size 3/0 chain, adjustable, rust proof, per dozen sets.....AJAJ $16.80

No. 182—4½ ft. leader of size 3/0 chain, branches 3 ft. each of size 2/0 chain, otherwise same as No. 184, per dozen sets .....JGDJ $12.00

ONE SET IN A BOX.

LAWN SWINGS.

REVONOC



No. 0 REVONOC—4 passenger, 8 ft. high, 34 in. seat, full bolted, hardwood construction throughout, outer frame parts painted a durable and handsome red, inner parts natural finish weathered oak, full length back slats, malleable hooks on swing bars, seat and foot rest adjustments, carried in stock, w't crated 110 lbs., each .....EAJ $8.50

The materials used in the construction of our line of REVONOC *lawn swings are the best that money can produce.*

They are well finished and carefully fitted. The contrast between the red outer parts and the oak inner frame gives these swings a very attractive and artistic appearance.

Awnings, to fit No. 0 REVONOC Swings, each .....AEJ $2.50

These awnings are the same as those on Nos. 25 and 20 Steel Swings. *See cut on page.*

REVONOC JUVENILE.



No. 00 REVONOC—5 ft. high, 15 in. wide, frame painted red, seat and inside parts varnished, suitable for indoor as well as outdoor use, w't 39 lbs., each .....CJJ $5.00

Shipped folded, easily set up, ¼ bolted.

KALAMAZOO



Factory Kalamazoo, Mich.

No. 66—2 passenger, 8½ ft. high, 9 ft. spread, 19 in. seat, w't about 120 lbs., each★ .....JFCJ $10.50

No. 65—4 passenger, 9½ ft. high, 10 ft. spread, 30 in. seat, folding seat and adjustable back, w't about 180 lbs., each★ .....JIIE $16.60

No. 67—4 passenger, 9½ ft. high, 10 ft. spread, 30 in. folding seat, adjustable back, 6x13 ft. awning with scalloped curtain drop, w't about 200 lbs., each★ .....AEJJ $25.00

The swing frame and seats are finished in natural wood, with two coats of varnish. Backs of seats are adjustable to different positions, seat and back strips have oval corners and round ends and are heavy enough to stand all strains placed upon them. The swing frame itself is hung with heavy steel hooks from special one-half inch joint bolts.

There is not one weak point or slighted part about them.

RED STAR.



No. 25—Galvanized steel, 4 passenger, 9 ft. high, 36 in. seat, with awning, w't packed for shipment 190 lbs., each .....AADJ $19.00

No. 20—Without awning, otherwise same as No. 25.....each AJBJ $17.00

The Red Star galvanized steel lawn swing is made of high carbon steel, and is thoroughly galvanized after all cutting and punching is done. The galvanizing protects it against rust and makes a finish that will last forever.

The frames of the seats and platform are angle steel, to which painted wood slats are fastened.

★*FOR FACTORY SHIPMENT ONLY.*

HUTCHINS.



Factory, Alton, Ill.

No. 70—Roller, w't 160 lbs., each★ .....AJBJ $17.00

Extras.

Canopies, w't 17 lbs.,★ each BCJ $3.80

Fan Attachments, w't 10 lbs., each★ .....BDJ 3.80

Hammock Attachments, w't 35 lbs., each★ .....BDJ $4.00

The swing is constructed of oak and yellow pine and the finest of steel and handsomely painted in red and black. Is 33 in. wide and 8 ft. long (requires 12 ft. of room).

The foot platform which is hung on four flanged wheels riding lower platform with short concave tracks on each end, allows upper platform carrying the seats to move 2 ft. each way by the slightest pressure of the feet.

CHAIRS, SETTEES AND BENCHES.

RECLINING CHAIRS.



Hardwood Frame, Smoothly Machined, with All Corners Rounded, Striped Duck Seat, Supported By Heavy Rungs.

No. 12—With arm supports, 44 in. high when opened, 18 in. wide, 37 in. spread, varnished, well riveted, adjustable, w't per doz. 125 lbs., per dozen .....**ABBJ** $20.30

No. 13—With foot rest, otherwise same as No. 12 .....per dozen **AECE** $25.60



No. 72—Self-adjusting to any angle, does not swing, frame entirely of steel, seat and back one piece fancy colored canvas, overlapped in center, upholstered arms, height when opened 52 in., w't per doz. 444 lbs., per dozen .....**CIFJ** $66.00

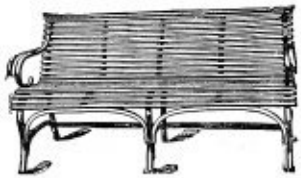


No. 74—Comfort, swinging, self-adjusting to any angle, 54 in. high when open, frame made entirely of steel, seat and back is made of one piece fancy colored canvas overlapped in center, w't per doz. 528 lbs., per dozen .....**CIFJ** $66.00

One needs only to relax and take complete rest, because by lying back the chair moves too, so that even a full reclining position may be secured.

ONE IN A CRATE.

SETTEES.



Selected Hardwood Frame, Well Bolted and Braced, Seat and Back Slats Half Round, Rounded Ends, Striped and Varnished.

No. 60—Red, 4 ft. long, 4 legs, w't 15 lbs. .....each **CCJ** $5.50

No. 060—Green, 4 ft. long, 4 legs, w't 15 lbs. .....each **CCJ** $5.50

No. 61—Red, 5 ft. long, 6 legs, w't 20 lbs. .....each **CDJ** $5.70

No. 061—Green, 5 ft. long, 6 legs, w't 20 lbs. .....each **CDJ** $5.70

No. 62—Red, 6 ft. long, 6 legs, w't 25 lbs. .....each **CHJ** $6.30

No. 062—Green, 6 ft. long, 6 legs, w't 25 lbs. .....each **CHJ** $6.30

FOLDING BENCHES.



Superior Quality.

No. 1-G—Red, length 3½ ft., seat and back natural finish, all parts screwed, w't 15 lbs. ....per dozen **AEAJ** $18.00

No. 01-G—Green, otherwise same as No. 1-G .....per dozen **AEAJ** $18.00

Combining lightness, strength and durability. Comfortable seat for the lawn and all outdoor gatherings. The folding mechanism is very simple and allows the seat to fold up in a convenient form for handling and storage.

Made from best hardwood lumber, free from knots, worm holes and like defects, carefully machined with all corners rounded and every portion sanded smooth.

LOOSE.

PORCH OR YACHT CHAIRS



Folding.

No. 300—White maple frame, natural wood finish, seat and back covered with extra heavy double filled white duck, new method of fastening the legs to the top rounds permits this chair to fold compactly, 36 in. high when opened, w't per doz. 144 lbs., per dozen .....**BHJ** $48.00

THREE IN A BUNDLE.

FOLDING CHAIRS.



No. 8. No. 9.

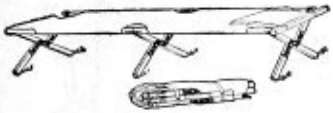
No. 8—Novelty, size 36x14 in., with seat 13½x14 in., locks when open or shut, very strong and durable, w't per doz. 80 lbs., per dozen **JGBJ** $10.00

No. 9—Framed wood seat, size 38x14 in., with seat 14x14½ in., fine finish, very strong and durable, w't per doz. 100 lbs. .....per dozen **JIFJ** $16.00

ONE DOZEN IN A CRATE.

FOLDING TABLES, COTS, STOOLS, ETC.

FOLDING COTS.



No. 40 REVARC—12 oz. double filled brown duck, duck fold for pillow, 6 ft. 6 in. long, 2 ft. 3 in. wide, 13 in. high open, 3 ft. 3 in. long, 4 in thick, 5 in wide folded,
per dozen.....**BHEJ** $47.50

This cot resembles all others of its kind, but is an exceptionally well made article. Opened, it is as comfortable as any cross-legged cot made. Folded, it is a snug package weighing 16 lbs. The construction is first class in every detail. Selected, air-dried, hardwood and Bessemer steel are used for frame.



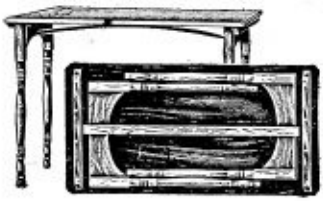
No. 29—Gold Medal, 10 oz. white duck, duck fold for a pillow, best hardwood frame, size opened 6 ft. 4 in. by 27 in., size closed 6 ft. 4 in. by 2x4 in., w't per doz. 150 lbs.,
per dozen .....**AEDJ** $25.70



No. 41—Gold Medal, 12 oz. double filled brown duck, duck fold for a pillow, size opened 6 ft. 6 in. by 2 ft. 4 in., folded 3 ft. 2 in. by 4x5 in., w't per doz. 180 lbs...per dozen **BHEJ** $47.50

See Page 1996 for our Full Line of Wall Tents.

FOLDING TABLES.



No. 40—Varnished, hard wood, well finished and braced, 36x18 in., w't per doz. 177 lbs...per dozen **AJBJ** $17.00

Legs fold up under the top.

FOLDING STOOLS.



No. 30—Plain wood, duck seat, improved method of fastening without tacks, w't per doz. 30 lbs., per dozen **CJJ** $5.00

FOLDING STOOLS.



No. 35—Gold Medal, plain wood, w't per doz. 36 lbs.....per dozen **CJ** $7.20



No. 33—Gold Medal, heavy brown duck reinforced and tacked at corners, legs rest on two shoulders which prevents splitting or breaking, length when folded 2 ft. 2½ in. square, will support 300 lbs., w't per doz. 30 lbs.
per doz.....**BGE** $4.60

FOLDING CHAIRS.



No. 36—Gold Medal, canvas seat, plain wood back, w't per doz. 57 lbs., per dozen..... **JFDJ** $10.70

PORCH FURNITURE.

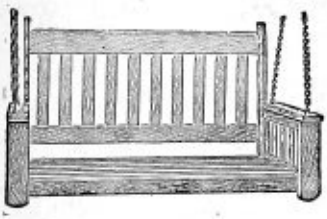
REED TABLES.



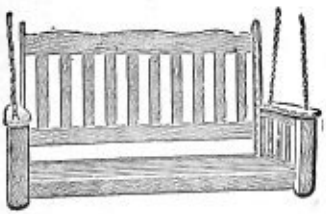
No. 5009—Maple frame, 22 in., flat reed top and magazine shelf, height 26 in., w't 14 lbs.★ .....each **CDJ** $5.70

These tables can be furnished in natural color, dull or shellacked, or painted in either green or brown.

MISSION PORCH SWINGS.



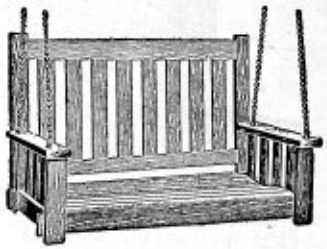
No. 15—Weathered oak, bolted, depth of seat 18 in., length 42 in., height of back 24 in., fitted with hooks and 9 ft. twisted link, galvanized chains, w't 30 lbs., each★ .....**DEJ** $7.50



No. 020—Weathered oak, bolted, depth of seat 18 in., length 42 in., height of back 24 in., fitted with hooks and 9 ft. twisted link galvanized chains, w't 30 lbs., each★ .....**EAJ** $8.50

ONE IN A CRATE.

MISSION PORCH SETTEES.



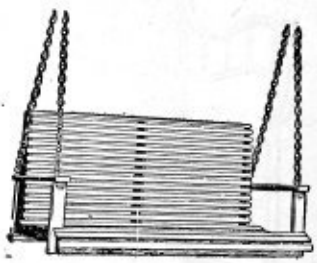
1¼ Inch Oak, Massive, Effect, Smooth and Well Finished, Put Together with Rods and Bolts, Depth of Seat 20½ Inches, Height of Back 26 Inches, Complete with Ceiling Hooks and Galvanized Chain, Finished in Early English, Golden Oak or Gun Metal with a Wax Polish.

No. 227—4 ft., w't 50 lbs.....each **JFJJ** $10.00★
No. 228—5 ft., w't 60 lbs.....each **JGHJ** 13.00★
No. 229—6 ft., w't 75 lbs.....each **JIFJ** 16.00★

This is a very strong and substantial settee with enough slant to the back to make it most desirable and comfortable.

Packed flat, but easily set up. Be sure to specify finish wanted.

OAK PORCH SWINGS.



No. 16—Oak frame, finished weathered oak, oil stain, 4 ft. long armrests 2 in. wide, 18 in. long, shaped seat 17 in. wide, fourteen slats in seat and fourteen in the back, each slat ⅞ in. wide by ⅞ in. thick, back 17 in. high, adjustable galvanized chain 21 in. long, 2 ceiling hooks, w't 25 lbs., each .....**BGJ** $4.50

★*FOR FACTORY SHIPMENT ONLY.*

REED PORCH FURNITURE.

This line is the best the market contains, high grade in finish, style and workmanship.



No. 9001.

Flat Reed of Best Quality.

No. 9001—Rocker, w't 22 lbs.★.....each **JFHE** $10.20

No. 9002—Chair, to match No. 9001 rocker, w't 22 lbs., each★ ..... **JFHE** 10.20



Maple Frame.

No. 7006—Large arm rocker, shellacked natural color reed, w't 18 lbs.★ .....each **BBJ** $4.00

No. 7006-G—Large arm rocker, frame painted green, natural color reed, w't 18 lbs.★ .....each **BDE** $4.40



Bent Maple Frame, Reed Seat and Back, Frames Furnished in Forest Green, Reeds Natural Finish.

No. 6001—Rocker, w't 16 lbs.★.....each **CHJ** $5.70



Strong, Light Frame Filled with Round and Half Round Reed of Best Quality.

No. 8002—Chair with newspaper pocket, w't 18 lbs. each★ ..... **ABBE** $17.50

Nos. 6001, 7006 and 7006-G have reed bodies and maple frames, only in finishes as listed, 3 or 4 days required to prepare for shipment. All others are all reed and can be supplied finished to order (week to ten days) in green, brown, shellacked, and in either glossy or dull finish.

★*FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.*

TRAVELING BAGS.

CLUB.



No. 334—Brown walrus grained Karatol leather, waterproof, japanned frame, plated lock and catches, cloth lined, length 16 in., w't 2½ lbs., each ..... JIE $1.60

HARVARD.



No. 394—Fine quality black cowhide, made of three pieces, sewed on heavy steel frame, solid brass trimmings, sunk-in lock and overfall catches, heavy sewed handle, full leather lined, three pockets,

Length, in.	16	18
W't, lbs.	4	4½
Each	$14.50	15.50
	JHGJ	JICJ

No. 395—Brown cowhide with slide catces, otherwise same as No. 394,

Length, in.	16	18
W't, lbs.	5½	6
Each	$15.00	16.00
	JIJJ	JIFJ

PRINCETON.



No. 359—Fine quality black walrus grain cowhide, made of three pieces, hand sewed on heavy steel frame, sunk-in locks, solid brass trimmings, slide catches, reinforced handle, leather lined, three pockets, one entire length, two with gussets,

Length, in.	16	18
W't, lbs.	6½	7½
Each	$18.00	19.00
	AJHJ	AADJ

OXFORD.



No. 98—Brown or black, smooth leather, French edge, pin frame, gilt trimmings, leather corners, solid leather handle, brass bell rivet corners, leather lined, inside pocket,

Length, in.	16	17	18
W't, lbs.	3½	3¾	4
Each	$10.00	10.30	10.60
	JEDE	JEFJ	JEIE



No. 377—Brown leather of three pieces, made on heavy leather covered pin frame, solid brass trimmings, sunk-in lock, heavy sewed handle, leather lined, inside pocket,

Length, in.	16	18
W't, lbs.	4½	6
Each	$14.50	15.00
	JFHJ	JGFJ

OXFORD.



No. 396—High grade bag leather, hand sewed outside seam, sewed-in English frame and reinforced English hand sewed handle, solid brass lock and overfall catches, heavy hand sewed leather corners, leather lined, inside pocket,

Length, in.	16	18
W't, lbs.	4½	6
Each	$15.00	16.30
	JIJJ	JIHJ



No. 400—Genuine black walrus, imported sewed frame, club handles, brass drop lock and catches, French seams, sewed corners, fine leather lined, three pockets.

Length, in.	17	18
W't, lbs.	6	7
Each	$30.00	31.10
	AHJJ	AHFE

A high grade article.

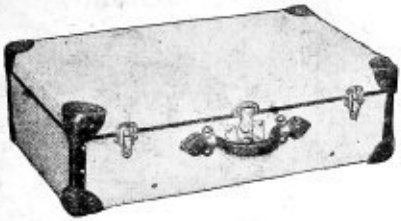
SUIT BAGS.



No. 91—Heavy brown cowhide, selected stock, frame leather covered, sewed in, finest trimmings, lined with choicest leather, center partition, pocket on both sides,

Length, in.	18	20	22
W't, lbs.	7	8	9
Each	$24.00	25.50	27.00
	AFJJ	AFHJ	AGFJ

SUIT CASES AND HANDLES.



No. S10—24 inch Koto fibre matting, metal edges and corners, roll anchor handle, fancy print lining, brass trimmings, made with patent pressed steel frame.....each **AHJ** $3.00



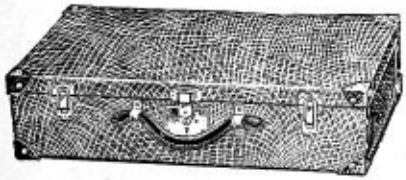
No. 112—Brown Imported Tanoid fibre on patent pressed steel frame, anchor handles, brass plated lock and bolts, riveted japanned metal corners, leather inside straps, print lining.

Length, in.	24	26
Each	$2.40	2.60
	AFJ	**AGE**

Has the appearance of a high grade leather case.

No. 95—Steel frame, covered with vellum cloth, leather handle, brass finished lock and catches, reinforced corners, cloth lining, and inside straps.

Length, in.	24	26
Each	$2.00	2.20
	ABJ	**ACJ**

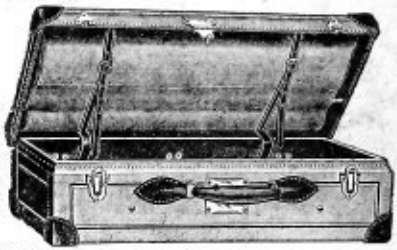


No. 12—24 in., strong steel frame, imitation alligator, with leather reinforced corners, brass lock and catches, round leather handle, inside straps, cloth lined, each **AFJ** $2.70



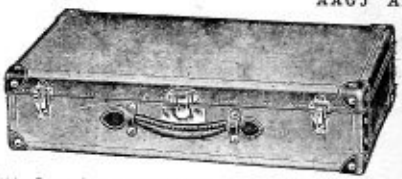
No. 29—Strong steel frame, extra heavy walrus grain karatol, solid leather reinforced corners, with large rivets, new pattern lock, brass catches, straps in body, lined with cloth.

Length, in.	24	26
Each	$3.00	3.30
	AHJ	**BJJ**



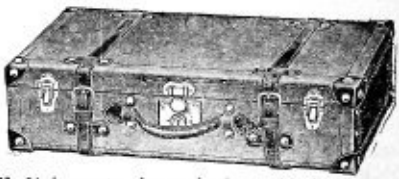
No. 50—Steel frame, 4 oz. heavy cowhide leather, leather lined, with shirt fold, strap in body, hand sewed corners, edges and handle, extra heavy brass side snap lock, heavy brass catches, solid rivets in hinges and straps, stay straps to hold cover when case is open.

Length, in.	24	26
Each	$19.50	20.00
	AAGJ	**ABJJ**

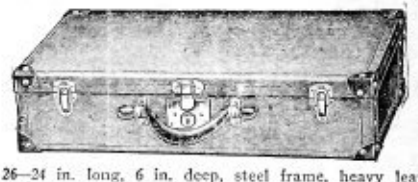


No. 20½—Steel frame, cowhide leather, lined with Irish linen, heavy sole leather corners, solid brass lock, 3 hinges, heavy handle, brass catches, hand creased, inside straps in both top and body, with shirt fold.

Length, in.	24	26
Each	$8.50	8.70
	EAJ	**EDJ**



No. 23—24 in., extra heavy leather, with both straps and catches, large bell rivets, raw edge, four inside straps, linen lined.....each **DGJ** $7.80



No. 26—24 in. long, 6 in. deep, steel frame, heavy leather, cowhide reinforced corners, three brass hinges, brass lock and catches, neat leather handle, large studs, two inside straps, linen lined.....each **CFJ** $6.00

SUIT CASE AND GRIP HANDLES.



No. 300.

Detachable Handle, Genuine Leather, Very Strong and Neat, Can be Applied to Bag, Suit Case, or Wooden Tool Boxes by Brass Clips and Enameled Rings.

No. 300—Black pig skin, without the brass clips, with strong buckle and strap.....per dozen **BIJ** $4.80

No. 345—Tan color, otherwise same as No. 300, per dozen .....**BIJ** 4.80

Extra brass tool clips and black enameled rings, for use as handle on tool boxes.....per dozen pairs **DH** .50

SUIT CASES, TRUNKS, ETC.

SUIT CASES.

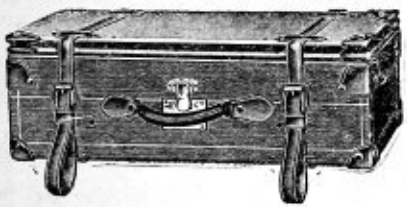


No. 108—Steel frame, cowhide leather over special suit case board, lined with fine quality Holland linen, depth 6 in., shirt pockets and four inside straps, corners reinforced with heavy leather protectors, large double rivets all around, hand stitched, brass trimmed, wide leather straps around body.

Length, in.	24	26
Each	$11.50	12.00
	JFIJ	JGBJ

No. 129—24 in. long, 8 in. deep, steel frame, heavy imitation leather, solid leather handle, otherwise same as No. 108, each ..... CJE $5.10

No. 126—24 in. long, 7 in. deep, made of Swedish fibre over steel frame, otherwise same as No. 108,
Each ..... CFJ $6.00



No. 45—Bellows valise, steel frame, cowhide leather over special suit case board, linen lined, depth 10 in. expanded, solid leather corners, with large brass rivets, outside body straps, hand made leather handle, brass lock, loose following board inside.

Length, in.	26
Each	$16.50
	JIIJ

SCHOOL BOOK CASES.



No. 90—Brown imported Tanoid fibre on patent pressed steel frame, anchor handles, brass plated lock and bolts, riveted japanned metal corners, leather inside straps, print lining.

Length, in.	14	16
Each	$2.50	2.60
	AEJ	AFJ

BAG TAGS.



No. 215—4x1¾ in., smooth leather, single panel, mica front.....per dozen JIJ $1.50

ONE DOZEN ON A CARD, ASSORTED COLORS.

METAL KITS.



Kennedy Metal Kits—Prepared steel, reinforced throughout, fitted with brass side catches, strong two-tumbler Corbin locks, steel leather covered handles so riveted that they cannot pull out and protected by solid corner irons. Finished in brown baked enamel, and riveted throughout.

Nos.	DD	D	E	F
Size, in.	16x9x11	18x10x13	20x11x13	22x11x13
W't. lbs.	5½	6⅝	7¼	10½
Each	$5.60	6.00	6.30	6.50
	CCE	CFJ	CHJ	CIJ



Tray of fibre and aluminum; very handy for screws, nuts and small parts.

No. TDD—With tray, otherwise same as No. DD, each ..... CGJ $6.20
No. TD—With tray, otherwise same as No. D, each ..... CIJ 6.50
No. TE—With tray, otherwise same as No. E, each ..... DCJ 7.20
No. TF—With tray, otherwise same as No. F, each ..... DEJ 7.50

SUIT CASES.



Nos.	AA	A	B	C
Size, in.	20x10x6	22x12x6½	24x13x7	26x13x7
W't, lbs.	5¾	8	9	11
Each	$5.60	6.00	6.30	6.50
	CCE	CFJ	CHJ	CIJ

WARDROBE TRUNKS.



No. 6630—45 in., dome top, three ply veneer body, fibre covered heavy brassed corners, brassed locks and trimmings, vulcanized fibre binding, new patented following frame, double trolley, complete set of hangers, drawers for linen, hats, etc., cloth lined, w't each 85 lbs.,

each★ BEBJ $42.00

★*FOR FACTORY SHIPMENT ONLY.*

TRUNKS.



No. 500—Semi-round top, sheet iron bound, hardwood slats, japanned steel end clamps, stitched leather handles, hasp lock, tinned bar bolts, strap hinges, rollers, iron bottom, set-up tray, covered hat box,

Length, in.	26	28	30
Each	$3.00★	3.80★	4.20★
	BJJ	BCJ	BFE
Length, in.	**32**	**34**	**36**
Each	$4.80★	5.40★	6.00★
	CJJ	CCJ	CFE



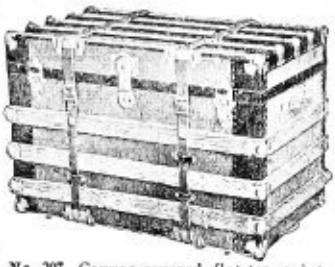
No. 2700—Flat top, canvas cover, painted hardwood slats, sheet iron bound, japanned steel clamps, strap hinges, brass monitor lock, patent bolts, iron bottom, tray with covered hat box.

Length, in.	28	30	32
Each	$5.00★	5.60★	6.30★
	CFE	DJE	DDE
Length, in.	**34**	**36**	
Each	$7.00★	7.70★	
	DHJ	EBJ	



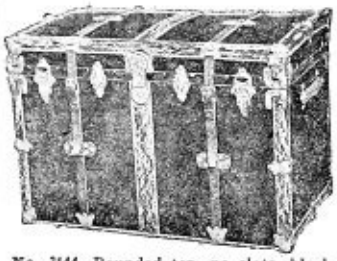
No. 2711—Flat top, painted canvas cover, heavy sheet iron binding, brass trimmings, hardwood slats, heavy leather straps and loops, brassed excelsior lock, patent bolts, heavy strap hinges, strong sheet iron bottom, 2 trays, hat box, side compartment, separately covered,

Length, in.	32	34	36	38
Each	$8.20★	8.70★	9.40★	10.00★
	EDJ	EHJ	FBJ	JFFJ



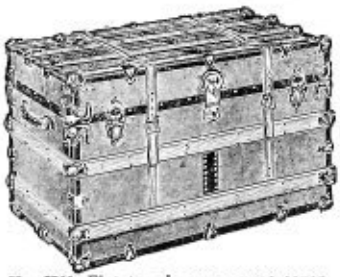
No. 207—Canvas covered, flat top, painted slats on top, three around body, all oak stained and of hard wood, large brass bumpers and excelsior lock, heavy leather straps, two trays,

Length, in.	34	36	38
Each	$10.60★	11.20★	11.90★
	JGHE	JHCJ	JHHJ



No. 3144—Rounded top, no slats, black enameled duck covered, one center band, sole leather straps, new style strap loops, edges bound with matted fibre binding, stitched leather sliding handles, nickel dome trimmings, tray with two compartments, folding lid, dress tray, full cloth lined and riveted, silk top inside,

Length, in.	36	38
Each	$22.00★	24.00★
	AFEJ	AGAJ



No. 5766—Flat top, heavy canvas cover, painted extra heavy hard wood slats, sole leather straps, brass trimmings, valance set, edges protected with angle steel binding, large bolts, brass excelsior lock strap hinges, iron bottom, 2 trays, hat box, side compartment, cloth faced dress tray,

Length, in.	34	36	38
Each	$13.10★	13.40★	14.40★
	JHFJ	JIJE	JIEJ

★*FOR FACTORY SHIPMENT ONLY.*



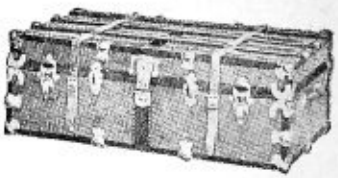
No. 3744—Flat top, mottled fibre bound, canvas covered, two center bands, brass dome trimmings, valance set, excelsior lock, sole leather straps, strap hinges, tray with two compartments, folding lid, dress tray, cloth lined and riveted,

Length, in.	34	36	38
Each	$13.70★	14.40★	15.60★
	JIDE	JIIE	AJFE



No. 368—Flat top, cover of extra quality painted canvas, heavy sheet iron binding, center band, two heavy sole leather straps, fancy loops, strip clamps, best malleable iron corner bumpers, special brassed excelsior lock, heavy lifter bolts, strong strap hinges, heavy valance set, combination dowel bolt and handle loop, extra deep, 3 trays, hat box and other compartments with folding lids, cloth lined and riveted,

Length, in.	34	36
Each	$18.00★	19.40★
	AJIJ	AAEE
Length, in.	**38**	**40**
Each	$20.60★	21.90★
	ABBJ	ABHE



No. 2866—Flat top, steamer, painted canvas cover, brass plated trimmings, edges entirely bound with angle steel, brass plated excelsior lock, set up tray, cloth faced, heavy sole leather straps,

Length, in.	34	36	38
Each	$9.60★	10.00★	10.60★
	FIE	JGDJ	JGHE

Free Advertising Electros



H.S.B & CO.

REV-O-NOC SEAMLESS Roaster

NOT a single joint or opening where grease or dirt can hide and collect. Just think—you can clean it inside and out as easily as a china plate. It is smooth as glass and not affected by any acid whatever.

THE BOTTOM CANNOT TOUCH THE OVEN

and the food will therefore cook without any attention. Put your meat or fowl in a "Rev-o-noc" Roaster, go to church or to your club and you need not worry about a burned dinner.

Dealers name here

No. 405



Cook to dryness one pint of tomatoes. Then over a low fire BURN THE TOMATOES TEN MINUTES. Then pour in boiling water, increase the heat, boil a few minutes and clean out with a wooden spoon. The utensil will not be injured.

Food may be burned in

H.S.B & CO.

REV-O-NOC Aluminum Utensils

if too much heat is applied; but the burning has no effect whatever upon them.

Dealers name here

No. 406

These single column Newspaper Ads are ready for insertion in your Local Newspaper

Be sure and specify number when ordering.





BICYCLES
BICYCLE & MOTORCYCLE SUPPLIES

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





OPTIONS IN BICYCLE EQUIPMENT.

1916 BICYCLE ANNOUNCEMENT.

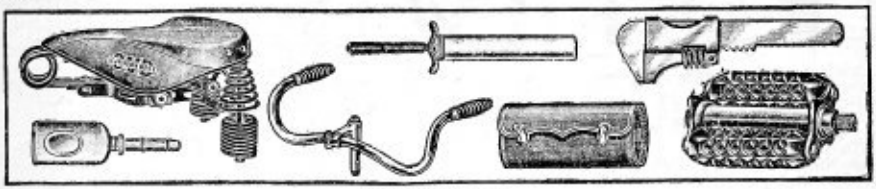
Discount DJ%.

We offer these options in equipment on the different models at additional charge over the regular standard equipment. See prices below.

Owing to the different ideas of our customers it is almost impossible to put out an equipment that is satisfactory to every dealer. In order, therefore, to assist you to satisfy your trade as far as possible, we have arranged special equipment which we offer in addition to the standard equipment at extra cost.

This is the same plan that we used in 1915 and which was very satisfactory. The plan is to assist you in getting better equipment on our less expensive models, where the regular equipment is not entirely satisfactory.

Enter on order the bicycle under its regular number, and special number of equipment desired with extra charge for same.

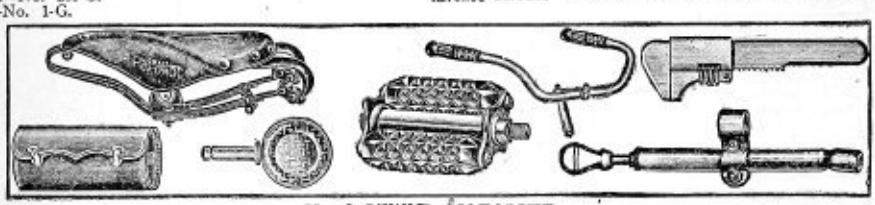


No. 1 [illegible].

No. 1 is the regular standard equipment used on our [illegible] bicycles. It will be furnished on the following bicycles at extra cost. See pages showing prices.

Saddle—No. 214 [illegible] suspension type, new model, length 13 in., width 10 in.
Handle Bars—No. 360.
Handle Bar Grips—No. 331.
Pedals—No. 4-PR, new pattern, standard rubber.
Tool Bag—No. 10-G.
Oil Can—No. 126.
Wrench—No. 200-G.
Pump—No. 1-G.

Motolike	No Extra Charge
[illegible]	$1.00
Cruso Truss Frame	3.00
Cruso	3.50
Chicago	4.80
[illegible] Rookie	3.70

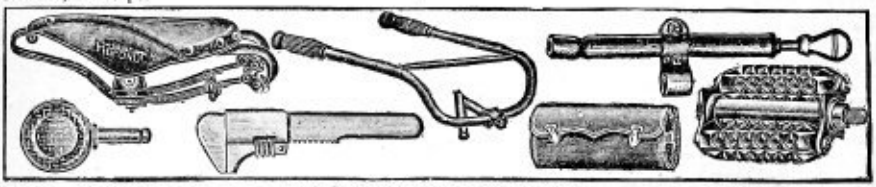


No. 2 [illegible] MOTOLIKE.

No. 2 is the regular standard equipment used on our [illegible] Motolike Bicycle. It will be furnished on the following bicycles at extra cost. See pages showing prices.

Saddle—No. 215 new model, suspension type motorcycle style with high grade leather top and new leaf springs of chrome vanadium steel, size 11½x9¼.
Handle Bars—No. 1108 new pattern, 20 in. wide, 4 in. rise.
Handle Bar Grips—No. 20 motorcycle pattern.
Pedals—No. 5-PR, rubber, motorcycle style.
Tool Bag—No. 10-G.
Oil Can—No. 126.
Wrench—No. 200-G.
Pump—No. B20, telescope.

[illegible]	No extra charge
[illegible]	$1.20
Cruso Truss Frame	3.20
Cruso	3.50
Chicago	5.00
[illegible] Rookie	4.00



No. 2X SPECIAL MOTOLIKE.

No. 2-X Special Motolike—This is a special equipment and, will not be used unless ordered, at extra cost. It is identical with No. 2 equipment with exception of new construction motorcycle style handle bar made of extra heavy tubing, box style, with cross bar to give a motorcycle bar appearance.

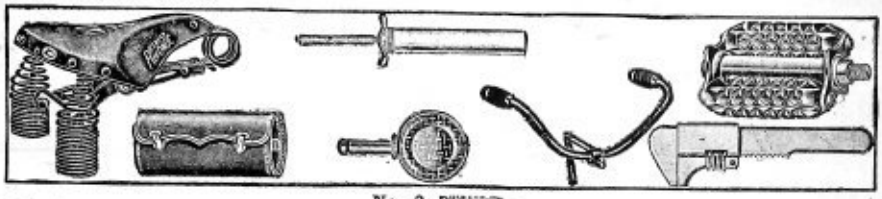
Saddle—No. 215 new model.
Handle Bars—No. 1107.
Handle Bar Grip—No. 20 motorcycle pattern.
Pedals—No. 5-PR, rubber motorcycle.
Tool Bag—No. 10-G.
Oiler—No. 126.
Wrench—No. 200-G.
Pump—No. B20.

[illegible]	$2.00
Motolike	1.60
[illegible]	2.80
Cruso Truss	4.80
Cruso	5.00
Chicago	6.60
[illegible] Rookie	5.50

OPTIONS IN BICYCLE EQUIPMENT.

Discount DJ%.

We offer these options in equipment on the different models at additional charge over the regular standard equipment. See prices below.

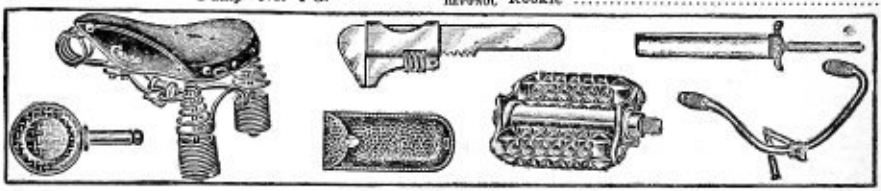


No. 3 REVONOC.

No. 3 is the regular REVONOC standard equipment. It will be furnished on the following bicycles at extra cost. See pages showing prices.

Saddle—No. 210 REVONOC suspension type with new springs.
Handle Bars—No. 358.
Handle Bar Grips—No. 27.
Pedals—No. 5-PR, rubber, motorcycle pattern.
Tool Bag—No. 10-G. **Wrench**—No. 200-G.
Oil Can—No. 21. **Pump**—No. 1-G.

Cruso Truss Frame	$2.00
Cruso	2.50
Chicago	3.50
REVONOC Rookie	2.70

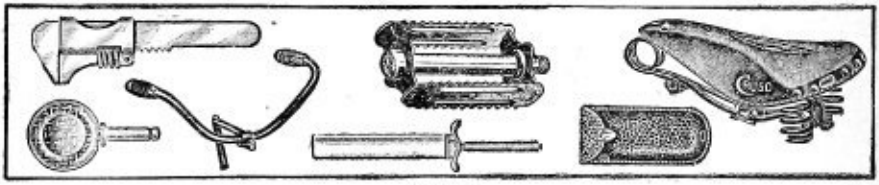


No. 4.

No. 4 is our regular standard Cruso truss frame bicycle equipment. It will be furnished on the following bicycles at extra cost. See pages showing prices.

Saddle—No. 209 Cruso suspension type.
Handle Bar—No. 358.
Handle Bar Grips—No. 24.
Pedals—No. 5-PR, rubber, motorcycle pattern.
Tool Bag—No. 9. **Wrench**—No. 100-G
Oil Can—No. 21-G. **Pump**—No. 1-G.

Cruso	$0.50
Chicago	2.00
REVONOC Rookie	.80



No. 5.

No. 5 is our regular Cruso bicycle equipment. It will be furnished on the following bicycles at extra charge. See pages showing prices.

Saddle—No. 217 new pattern, suspension type made of superior quality leather, and an unusual value.
Handle Bar Grips—No. 24.
Handle Bar Grips—No. 24.
Pedals—No. 4RT, Standard, ra. trap motorcycle pattern.
Tool Bag—No. 9.
Oil Can—No. 21-G.
Wrench—No. 100-G.
Pump—No. 1-G.

Chicago	$1.50
REVONOC Rookie	.70



No. 10 REVONOC "ROOKIE."

No. 10 is our regular standard "Rookie" Equipment. It will be furnished on the following bicycles at extra cost. See pages showing prices.

Saddle—No. 206, suspension type, a high grade saddle with large spiral spring, black enameled.
Handle Bars—New REVONOC Rookie design, 19½ in. wide, 6 in. raise, no forward bend.
Handle Bar Grips—Leather bull dog pattern.
Pedals—Standard Rat Trap.

Chicago	$1.10

OVB HIBBARD BICYCLES.

Our OVB bicycle, like the balance of the articles bearing this trade mark, is constructed of the highest grade materials. Every detail of construction is carefully inspected before leaving the factory, and the various items that go to make up this wheel are selected with an idea as to quality and not price. At the same time we do not believe its equal can be found on the market at the price for which we offer this model. The details of construction and equipment are shown below, and if you have a "particular" trade, this model will answer all your requirements. It is thoroughly guaranteed.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered, 29 in., when seat post is raised, 34 in.

Frame—24 in., when seat post is lowered, 33 in., when seat post is raised, 38 in.

Frame—22 in. regular, option of 20 in. or 24 in., made of the finest 18 gauge seamless steel tubing, flush joints, fish-mouth reinforcements, which eliminate vibration and buckled joints, in addition to this reinforcement, the frame has heavy steel pins connecting all reinforcements, which make it absolutely unbreakable. Main tubes 1 in., head 1½ in., upper rear fork ⅝ in., oval pattern, rear lower fork ¾ in., slightly formed.

Fork—Entirely new construction with ribbed fork sides extending to fork crown. Fork crown is made of steel drop forging. Entire crown is handsomely nickel plated. The plating extends in a "V" shape to a point about two inches down the fork side where it is continued in a thin line to the tip. A beautiful and exclusive design.

Finish—Beautifully enameled in white with national blue head and seat post. Mast, hair line blue stripe on frame and fork. Rims and guards to match. This wheel undergoes five different coats of enamel, is hand polished and varnished, giving it a beautiful luster and lasting finish.

Crank Hanger—One piece fitted with Diamond pattern, 7 in. cranks, made from the highest quality of carbon steel. Guaranteed not to break or bend. The cones and cups used in this hanger are fitted so it is impossible for dirt to get in. It is unnecessary to have any oil holes as the bearings are packed in vaseline when assembled and will remain in good condition for a year or more. Can be easily taken apart and put together again.

Sprockets—Large style, 60 tooth front, 20 tooth rear, ½ in. pitch chain ⅛ in. wide.

Hubs—The famous New Departure Bell pattern, turned from a solid bar of steel, fitted with highest grade of cones and bearings.

Chains—High grade roller chain, ½ in. pitch, ⅛ in. blue finish.

Gear—84, 20 tooth rear and 60 tooth front sprocket.

Seat Post—¾ in. forward L, with pinch bolt binder and 6 in. adjustment.

Coaster Brake—We furnish the well known New Departure in all models at additional cost. See prices below.

Tires—OVB, single tube, trusty stud, motorcycle construction, white tire with large black studs or Il-a-noy Clincher G. & J. type with studded tread. These tires are thoroughly guaranteed. See prices below.

Rims—Straight grain maple, the most expensive maple lumber cut. Handsomely enameled and striped to match frame. Rims for the G. & J. tires are the same as our cement rims, except they are single clinch steel lined.

Mud Guards—Raised center, finished to match bicycle, with a leather flap on the front guard, at an additional cost. See prices below.

Handle Bars—New model, width 21 in., drop or raise of 1¼ in. Forward extension stem. Equipped with No. 331 rubber grips.

Saddle—OVB suspension type No. 214, length 13 in., width 10 in. The easiest riding saddle manufactured.

Pedals—Standard rubber No. 4-PR motorcycle style with divided rubbers.

No. 902—Equipped with saddle, handle bars, pedals, tool bag and tools, coaster brake and mud guards, without tires, each ..... **BFAJ** $43.50

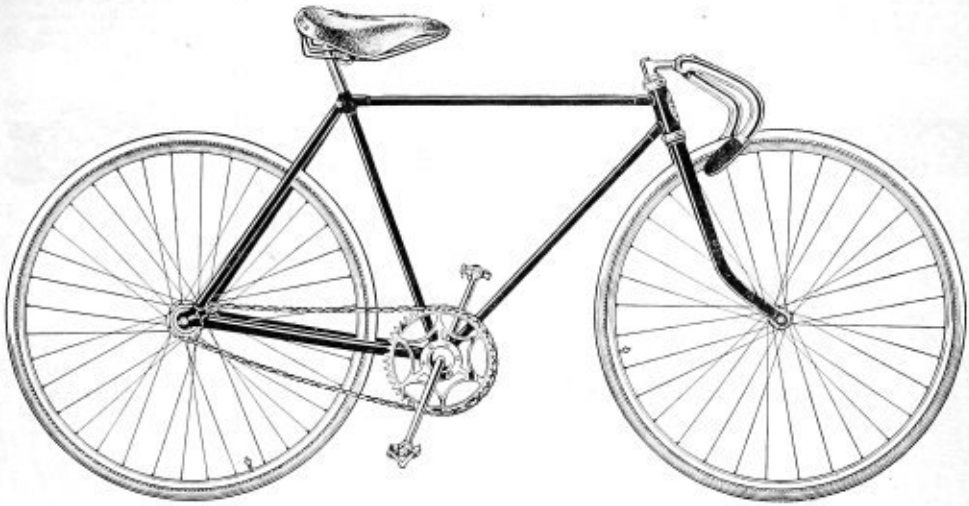
No. 922—Equipped with saddle, handle bars, pedals, tool bag and tools, OVB tires, coaster brake and mud guards, each ..... **CABJ** $52.00

No. 952—Equipped with saddle, handle bars, pedals, tool bag and tools, Il-a-noy G. & J. tires, coaster brake and mud guards ..... **CBGJ** $54.50

Extra for Steel Lined G. & J. Rims, on No. 902 ..... each **CE** .60

W'T PACKED FOR SHIPMENT 60 LBS.

CYB RACER.



Details of Construction.

Frame—20 in. and 22 in. Shelby seamless tubing with ⅞ in. main tubes, 18 gauge, outside joints, head 1 ⅜in. in diameter, wheel base 41 in.

Fork—Drop forged crown, extra heavy fork side construction, handsomely enameled.

Finish—Royal Blue, no stripes on frame or fork.

Rims—Wood rims 1⅛ in. natural finished sides with royal blue center band.

Hubs—One-piece hubs turned from solid bar stock.

Spokes—Diamond E nickeled, double butted and swaged, 32 front, 36 rear.

Crank Hanger—Two-piece special constructed hanger manufactured from material that is especially selected for its great strength. Cones and cups turned from solid bar stock. This hanger is so constructed as to be very easily adjusted.

Chain—Imported, roller link ⅜ in., selected for its strength and easy riding qualities.

Tires—Special Vitallic Racing construction tires 28x1⅛ in.—a fine tire for road and track use.

Saddle—Messinger Racer.

Pedals—Standard No. 4 racing pedal.

Handle Bars—Reversible Ramshorn with forward extension stem.

Grips—No. 29 stitched leather.

Tool bag and tools.

Gear—84 sprocket ½ in. pitch, front sprocket 48 tooth, rear sprocket 17 tooth.

Cranks—6½ in. long.

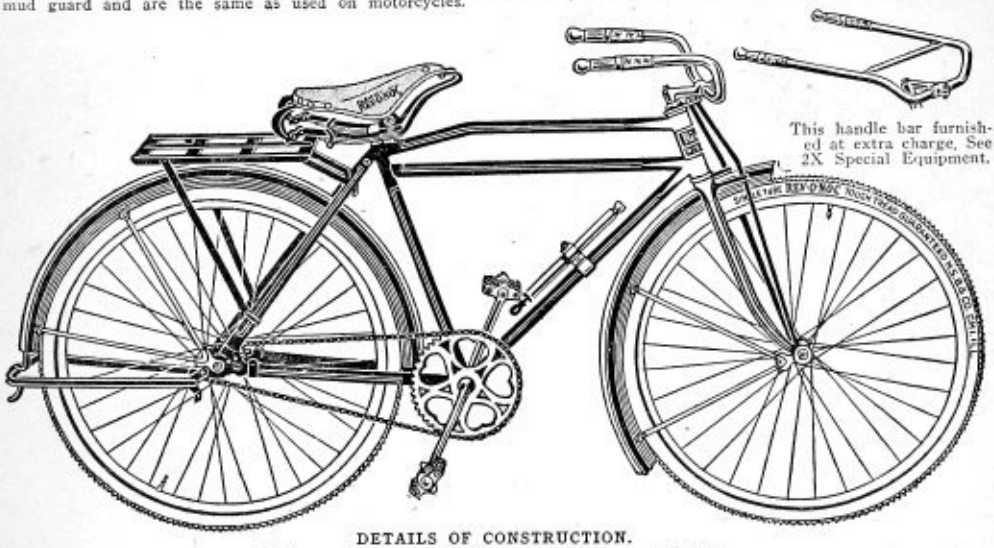
No Coaster Brake or Mud Guards furnished with this model.

No. 1000—Equipped with Saddle, Handle Bars, Pedals, Tool Bag and Tools, and Tires .....each **C J J J** $50.00

W'T PACKED FOR SHIPMENT 45 LBS.

REVONOC "MOTO-LIKE" TRUSS FRAME BICYCLES.

The model illustrated represents the latest construction in our REVONOC "Moto-like" bicycle. It is not built on ordinary bicycle lines but has been built of extra strong material throughout. There has been a very large demand, especially among the younger generation for a bicycle resembling a motorcycle, and this wheel is offered after painstaking experiments—there is nothing made that is superior. The fork crown used on this model is made from a drop forging—not made from a stamping—and is especially strong. The equipment has been selected with an idea of motorcycle appearance and is up to REVONOC quality in the smallest detail. The mud guards are also heavier than the usual mud guard and are the same as used on motorcycles.



This handle bar furnished at extra charge, See 2X Special Equipment.

DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 31 in., when seat post is raised 35½ in.
This wheel is made in one size only, 20 in. frame.

Frame—1 in. 18 gauge seamless steel tubing, strongly reinforced, all flush joints. Upper tube motorcycle style. Height 20 in. at seat post mast. Wheels 28 in.

Fork—Special truss design made from drop forging—not a stamping—and guaranteed to withstand hard usage. Handsomely enameled to match balance of wheel.

Crank Hangers—Drop forged, one piece 7 in. cranks.

Rims—Straight grain maple, the most expensive maple lumber cut. Brown with blue center, handsomely enameled and striped to match frame. Rims for the G. & J. tires are the same as our cement rims, except they are single clinch steel lined.

Sprocket, 52-tooth front, 18-tooth rear, ½-inch pitch, ⅛-inch chain.

Finish—Brown, with black sunburst head and truss fork, double black stripes on frame and fork, richly enameled with four coats, hand rubbed, tastefully decorated.

Equipment—Equipped complete with New Departure coaster brake, No. 215 REVONOC suspension type, motorcycle style saddle with high grade top with new leaf springs made of chrome vanadium steel, size 11½x9½. Handle bars motorcycle style with motorcycle rubber grips, No. 5 P. R. rubber motorcycle pedals. Rear luggage carrier and motorcycle pattern bicycle stand. Frame pump, tool bag and tools. Motorcycle mud guards, especially made for this model—not a regular bicycle guard—fitted with new style braces. This model is furnished at prices noted below with either our REVONOC Studded Tread or Il-a-noy G. & J. Single Clinch Clincher type Studded Tread.

No. 9902—Fully equipped as above without tires	each	BFEJ	$44.20
No. 9922—Fully equipped as above with REVONOC studded tires	each	CJCJ	50.50
No. 9952—Fully equipped as above with Il-a-noy G. & J. clincher tires	each	CBDJ	54.00
Extra for steel lined G. & J rims for No. 9902	each	CE	.60
Extra charge for No. 2-X Special Equipment	each	JIE	1.60

No extra charge for Hibbard No. 1 Equipment.

All of the "Moto-Like" Bicycles are equipped with New Departure coaster brakes and mud guards and cannot be furnished without them.

BICYCLE GUARANTY.

We agree with the purchaser of each "Hibbard," "REVONOC," Cruso, or Chicago Bicycle to make good by repair or replacement any defects in material or workmanship, provided the defective part is delivered to us, transportation charges prepaid.

This guaranty does not cover cost of repairing bicycles damaged by accident, misuse, or neglect, and expires December thirty-first of the year in which the purchase is made.

In returning defective parts, do not fail to put your own name and address on the tag, and to write a letter giving full particulars. Failure to do this may be the cause of much unnecessary delay.

TIRE GUARANTY.

We guarantee Hibbard, REVONOC, Cruso, Chicago and Il-a-noy Clincher tires to be perfect in workmanship and material, and if any defect should develop within the season on goods purchased from us, we will repair or replace without charge, provided they are returned to us charges prepaid.

Rim cut, punctured, or tires abused, misused or worn out in service will not be replaced.

This guaranty continues in effect to December 31st following date of purchase.

See that every package sent has your full address—name, town, street No. or county and state—securely fastened to it.

W'T PACKED FOR SHIPMENT 75 LBS.



No. 9922 Rev-o-moc



No. 5822 Rev-o-moc

For descriptions and prices of bicycles see: No. 9922, page 2302, No. 5822, page 2302A.

REVONOC BRIDGE TRUSS BICYCLES.



Details of Construction.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 29½ in., when seat post is raised 34½ in.

Frame—22 in., when seat post is lowered 31½ in., when seat post is raised 36½ in.

Frame—24 in., when seat post is lowered, 33½ in., when seat post is raised 38¼ in.

Frame—22 in. regular size will be sent on all open orders, made from finest quality 18 gauge seamless steel tubing, fish-mouth reinforcements, steel pins at all reinforcements, bar firmly raised and pinned so as to assure great strength and rigidity.

Fork—New pattern, drop forged crown, handsomely nickel plated with ribbed fork sides nickel plated.

Finish—National blue with black sunburst head double gold hair line stripes, rims and guards to match.

Gear—84, 60 tooth front sprocket, 20 tooth rear sprocket, ½ in. pitch, chain ⅛ in. wide.

Crank Hanger—One piece fitted with Diamond patttern 7 in. cranks, made from highest quality of carbon steel made from drop forging. Guaranteed not to break or bend. The cones and cups used in this hanger are turned from solid bar stock and are so fitted that it is impossible for dirt to get in. It is not necessary to have any oil holes as all bearings are packed in vasaline when wheel is assembled. Will remain in good condition for a considerable length of time, but can easily be taken apart and put together again.

Hub—Famous New Departure Bell pattern, turned from solid bar of steel. Fitted with highest grade cones and bearings.

Chain—English roller ½ in. pitch, ⅝ in. wide, blued finish.

Coaster Brake—The well known New Departure coaster brake is furnished on all of these models.

Tires—REVONOC studded 4-ply s ingle tube or Il-a-noy G. & J. clincher type studded tread.—See prices below equipped with these tires.

Seat Post—7/8 in. forward L, with pinch bolt binder and 6 in. adjustment.

Rims—Straight grain maple. Positively the most expensive maple cut. Handsomely enameled and striped to match frame. Rims for G. & J. tires are the same as our cement rims, except that they are steel lined and use single clinch tires.

Handle Bars—No. 358—21 in. wide, 6 in. rise. No forward bend. Equipped with wound leather grips and ⅞ in. expander stem.

Pedals—Rubber, motorcycle style No. 5 P. R.

Saddle—No. 210 REVONOC motorcycle style, suspension type with heavy rear black enameled springs. Length 10¾ in., with 8¼ in. An exceptionally well built and comfortable saddle.

Tool Bag—Grain leather tool bag with wrench, oil can and pump.

No. 5802—Equipped with saddle handle bars, pedals, tool bag and tools, new departure coaster brake and mud guards, **without tires** ..... each **BDFJ** $41.00

No. 5822—Equipped with saddle, handle bars, pedals, tool bag and tools, REVONOC tires, New Departure coaster brake and mud guards ..... each **BHBJ** $47.00

No. 5852—Equipped with saddle, handle bars, pedals, tool bag and tools, Il-a-noy G. & J. tires, New Departu.e coaster brake and mud guards ..... each **CJCJ** $50.50

No. 5702—Equipped with No. 206 saddle, No. 4 R. T. pedals, No. 358 handle bars, No. 27 handle bar grips, tool bag and tools, new departure coaster brake and mud guards **without tires**..... each **BCGE** $39.60

No. 5722—Equipped with No. 206 saddle, No. 4 R. T. pedals, No. 358 handle bars, No. 27 handle bar grips, tool bag and tools, New departure coaster brake and mud guards, Chicago guaranteed tires..... each **BGJJ** $45.00

Extra for steel lined G. & J rims on Nos. 5802 and 5702 ..... each **CE** .60

Extra charge for No. 1 equipment ..... each **JFJ** 1.00

Extra charge for No. 2 equipment ..... each **JGJ** 1.20

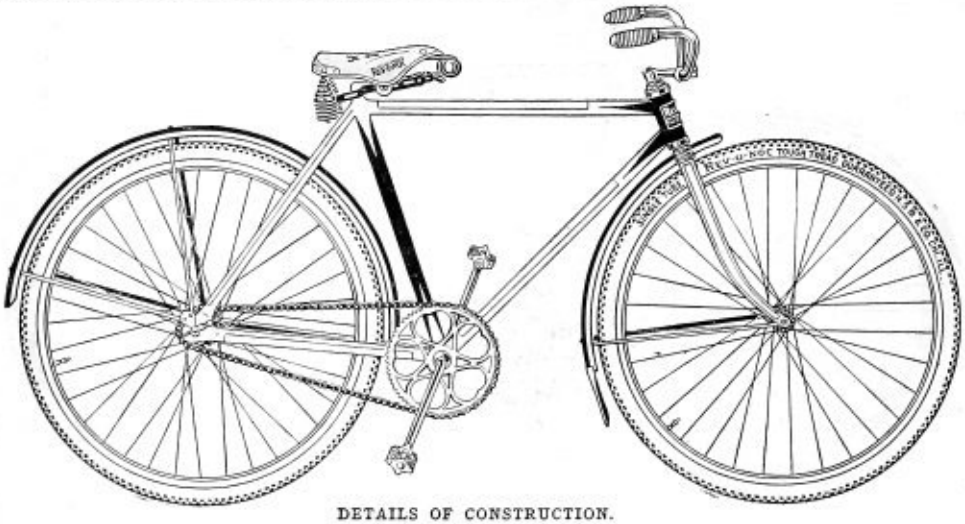
Extra charge for No. 2X special equipment..... each **AGJ** 2.80

SPECIAL EQUIPMENTS ILLUSTRATED AND DESCRIBED ON PAGES 2300 AND 2300A.

W'T PACKED FOR SHIPMENT 65 LBS.

MEN'S REVONOC BICYCLES.

Our REVONOC Bicycles are high grade wheels, and are second only to the Hibbard. The same guaranty of mechanical perfection, high grade equipment and construction is offered in our REVONOC models. It is a popular priced wheel, and is carried in two different colors, which will enable you to fill all the requirements of your trade. Our bicycle illustrations are made from photographs and are accurate in every detail.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 29½ in., when seat post is raised 34½ in.

Frame—22 in., when seat post is lowered 31½ in., when seat post is raised 36½ in.

Frame—24 in., when seat post is lowered 33½ in., when seat post is raised 38½ in.

Frame—22 in. regular, option of 20 in. or 24 in., made of finest quality 18 gauge seamless steel tubing, fish-mouth reinforcements, pinned at all vital points, insuring strength and rigidity.

Fork—This important part has forged steel three plate crown of new pattern, fork sides of 18 gauge seamless tubing.

Finish—Arabian gray and crimson sunburst head and crimson seat post mast, Arabian gray rims with crimson centers.

Gear—81, sprocket, 18 tooth rear, 52 tooth front, ½-inch pitch.

Seat Post—⅞ in. forward L, with pinch bolt binders, with 6 in. adjustment.

Coaster Brake—We furnish the well known New Departure on all models at slight additional cost. See prices below.

Tires—REVONOC. New construction tread, large studs, color gray, or our Il-a-noy G. & J. clincher type studded tires. See prices below.

Rims—Straight grain maple, the most expensive maple lumber cut. Handsomely enameled and striped to match frame. Rims for the G. & J. tires are the same as our cement rims, except they are single clinch steel lined.

Mud Guards—Finished in two colors to match bicycle. Front guard equipped with leather splasher. See price below.

Saddle—No. 210 REVONOC motorcycle style with heavy rear springs. Length 10¼ in., width 8¾ in.

Handle Bars—New pattern, 21 in. wide with 6 in. rise, no forward bend, wound leather grips, ⅞ in. expander stem.

Crank Hanger—One piece, drop forged 7 in. cranks, 26 tooth sprocket made from the highest quality carbon steel. Cones and cups are made from the best material and are dust proof. Can be easily taken apart and put together again.

Hubs—New Departure.

Chain—High grade roller chain, ½-inch pitch, ⅛-inch blued finish.

Pedals—No. 5 P. R. motorcycle style, with rubbers.

Tool Bag—Containing wrench, oil can and pump.

No. 802—Equipped with saddle, handle bars, pedals, tool bag and tools, coaster brake and mud guards, without tires, each ..... **BBBJ** $37.00

No. 822—Equipped with saddle, handle bars, pedals, tool bag and tools, REVONOC tires, coaster brake and mud guards, each ..... **BFAJ** $43.50

No. 852—Equipped with saddle, handle bars, pedals, tool bag and tools, Il-a-noy G. & J. tires, coaster brake and mud guards ..... each **BHBJ** $47.00

Extra for Steel Lined G. & J. Rims, on No. 802 ..... each **CE** .60

Extra charge for No. 2 Equipment ..... each **JGJ** 1.20

Extra charge for No. 1 Equipment ..... each **JFJ** 1.00

Extra charge for No. 2-X Special Equipment ..... each **AGJ** 2.00

Special Equipments illustrated and described on page 2300.

W'T PACKED FOR SHIPMENT 60 LBS.



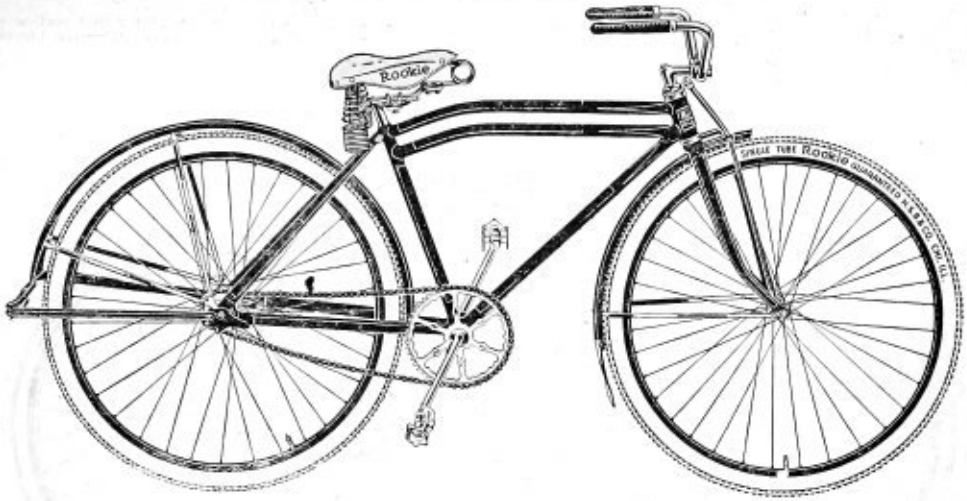
No. 822 Rec-o-noc



No. 152

For descriptions and prices of bicycles see: No. 822, page 2808, No. 152, page 2807.

REVONOC "ROOKIE" BICYCLE.



Our original REVONOC Motolike Bicycle created an enormous demand for a similar model at a lower price than our regular REVONOC, and the REVONOC "Rookie" model, shown herewith, has been added to our line.

The truss fork crown used on this model is made from drop forging, not from a stamping.

DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—18 in., when seat post is lowered, 28½ in., when seat post is raised 33 in.
Frame—20 in., when seat post is lowered, 30½ in., when seat post is raised 35 in.

NEW SIZE MODEL FULL SIZE BICYCLE FOR THE BOY IN 18 IN. FRAME WITH 28 IN. WHEELS, AND 20 IN. FRAME WITH 28 IN. WHEELS.

Frame—18 in., 28 in. wheels, and 20 in., 28 in. wheels. Made from 18 gauge seamless steel tubing, heavily reinforced and pinned at all reinforcements, insuring a very strong and serviceable frame.

Fork—Special truss design made from drop forging, not a stamping, and guaranteed to withstand hard usage. Handsomely enameled to match balance of wheel.

Crank Hanger—One piece drop forged 7 in. oval cranks.

Sprocket—52 tooth, ½ in. pitch front, 18 tooth, ½ in. pitch rear sprocket. Sprockets made from the highest quality carbon steel. All cones and cups turned from solid bar stock and dustproof. Can be easily taken apart and put together again.

Rims—Straight grain maple. Red, black center, enameled to match frame. Rims for G. & J. tires are the same as our cement rims except they are steel lined.

Chain—High grade roller, ½ in. pitch, ⅜ in. wide.

Gear—81, 52 tooth front sprocket, 18 tooth rear sprocket, ½ in. pitch, chain ⅜ in. wide.

Hub—New Departure bell pattern, turned from solid bar of steel.

Finish—Beautiful red, black sunburst head, one gold stripe on frame and fork.

Seat Post—⅞ in. forward L, with pitch bolt binder and 6 in. adjustment.

Handle Bars—New pattern bar especially adapted for this model. Width 19½ in., 6 in. drop, no forward bend, fitted with Bull Dog leather grips.

Pedals—Standard rat trap No. 0.

Saddle—No. 206 suspension type, length 9¼ in., width 7½ in., with large spiral spring.

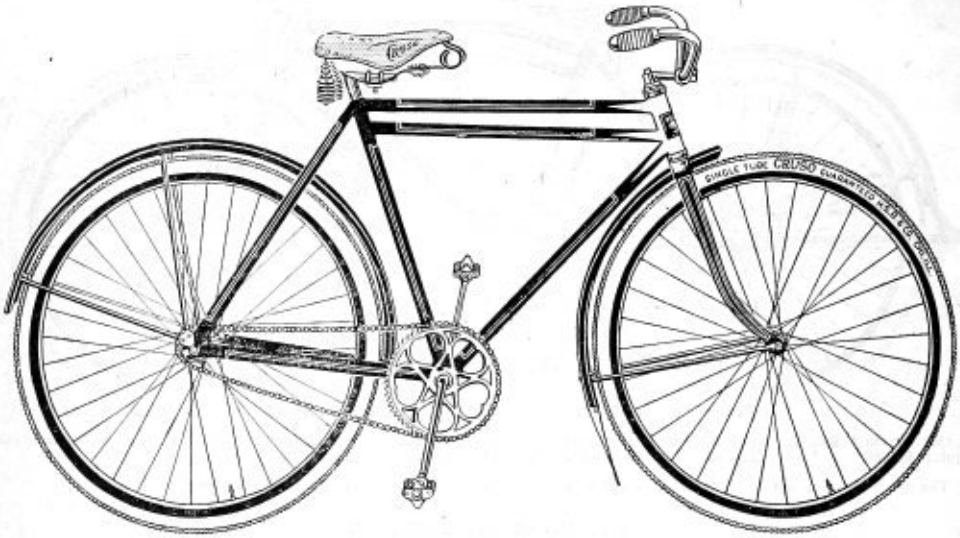
No. 702—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, truss fork, and bicycle stand, **without tires**	each	**BAJJ**	$35.00
No. 722—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, truss fork and bicycle stand, guaranteed tires with studded tread	each	**BCHJ**	$39.70
No. 752—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, truss fork and bicycle stand, Il-a-noy G. & J. studded tires	each	**BFBJ**	$43.70
Extra for steel lined G. & J. Rims, on No. 702	each	**CE**	.60
Extra charge for No. 5 Equipment	each	**DJ**	.70
Extra charge for No. 4 Equipment	each	**EJ**	.80
Extra charge for No. 3 Equipment	each	**AFJ**	2.70
Extra charge for No. 2X Equipment	each	**CCJ**	5.50
Extra charge for No. 2 Equipment	each	**BDJ**	4.00
Extra charge for No. 1 equipment	each	**BBJ**	3.70

Special equipments illustrated and described on page 2300A.

W'T PACKED FOR SHIPMENT 70 LBS.

CRUSO TRUSS FRAME BICYCLES.

This model has proven one of our most popular bicycles, made especially strong for heavy service for that section of the country that requires this style of construction. Double bar with sunburst head makes it a very attractive bicycle and one that is thoroughly guaranteed in every detail.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 29½ in., when seat post is raised 34½ in.

Frame—22 in., when seat post is lowered 31½ in., when seat post is raised 36½ in.

Frame—24 in., when seat post is lowered 33½ in., when seat post is raised 38½ in.

Frame—22 in. regular, option of 20 in. or 24 in., made from finest quality 18 gauge seamless steel tubing, fish-mouth reinforcements, pinned at all vital points, insuring strength and rigidity.

Fork—This important part has forged steel oval nickel plated crown, of new pattern. Fork sides are made from 18 gauge seamless tubing.

Finish—Beautifully enameled in black, with gold stripes and dark blue sunburst head, making a very attractive combination.

Rims—Black, with blue center to match frame.

Crank Hanger—One piece 7 in. oval pattern crank, thoroughly guaranteed, cones and cups made from high grade steel. Can be easily taken apart and put together.

Hubs—Famous New Departure, turned from solid bar of steel, finely finished and fitted with best steel bearings.

Chain—High grade roller chain, ½ in. pitch, ⅛ in. blued finish.

Sprockets—Front 52 tooth, rear 18 tooth, ½ in. pitch, ⅛ in. chain.

Gear—81, sprocket 18 tooth rear, 52 tooth front, which is recognized as standard for both speed and ease in riding.

Seat Post—⅞ in. forward L, with pinch bolt binders, 6 in. adjustment.

Mud Guards—We furnish mud guards, finished in two colors to match frame, raised center and with leather flaps, at slight additional cost. See prices below.

Coaster Brake—We furnish the well known New Departure on all models at additional cost. See prices below.

Tires—At slight additional cost, as per prices below, we put on our new Cruso studded tread tires or our Il-a-noy G. & J. clincher type studded tires.

Saddle—No. 206 Cruso, 9¼ in. long, 7½ in. wide, suspension type, large heavy black enameled springs.

Handle Bars—No. 358, new 21 in. handle bar, 6 in. rise, no forward bend, wound leather grips, expander stem.

Pedals—No. 5-PR, motorcycle rubber pedals.

Tool Bag—Containing wrench, oil can and pump.

No. 5502—Equipped with saddle, handle bars, pedals, tool bag and tools, coaster brake and mud guards, **without tires**, each		**BAFJ**	$36.00
No. 5522—Equipped with saddle, handle bars, pedals, tool bag and tools, Cruso tires, coaster brake and mud guards, each		**BDIJ**	$41.50
No. 5552—Equipped with saddle, handle bars, pedals, tool bag and tools, with Il-a-noy G. & J. tires, coaster brake and mud guards	each	**BGCJ**	$45.50
Extra for Steel Lined G. & J. Rim, on No. 5502	each	**CE**	.60
Extra charge for No. 3 Equipment	each	**ABJ**	2.00
Extra charge for No. 2 Equipment	each	**AIJ**	3.20
Extra charge for No. 2-X Special Equipment	each	**BIJ**	4.80
Extra charge for No. 1 Equipment	each	**AHJ**	3.00

Special Equipments illustrated and described on page 2300.

W'T PACKED FOR SHIPMENT 60 LBS.

MEN'S CRUSO BICYCLES.

This beautiful new model is one of the most popular combinations we have.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 29 in., when seat post is raised 34 in.

Frame—22 in., when seat post is lowered 31 in., when seat post is raised 36 in.

Frame—24 in., when seat post is lowered 33 in., when seat post is raised 38 in.

Frame—22 in. regular, option of 20 in. or 24 in., made from high grade seamless steel tubing—not welded as many use, flush joints, fishmouth reinforcements, pinned throughout.

Fork—Oval pattern, drop forged crown nickel plated, striped sides.

Finish—Red with black sunburst head, one stripe on frame and fork.

Rims—Red, with black center.

Crank Hanger—One piece, oval pattern, 7 in. crank.

Chain—⅜ in., ½ in. pitch, roller chain.

Hubs—Turned, with selected steel bearings.

Mud Guards—Enameled in two colors to match frame, raised center with leather flaps, at additional cost—see prices below.

Saddle—No. 217 Cruso, new pattern, suspension with long extension Universal springs, length 10 in., width 7¼ in.

Handle Bars—No. 358, wound leather grips and expander stem.

Pedals—No. 4-RT, standard rat trap motorcycle style.

Tool Bag—Containing wrench, oil can and pump.

Gear—81, sprocket, 18 tooth rear, 52 tooth front.

Seat Post—⅞ in. forward L, pinch bolt binder.

Coaster Brake—We furnish the well known New Departure on all models at slight additional cost. See prices below.

Tires—We furnish at slight additional cost, as per prices below, our new Cruso studded tread tires, or our Il-a-noy G. & J. pattern clincher studded tires.

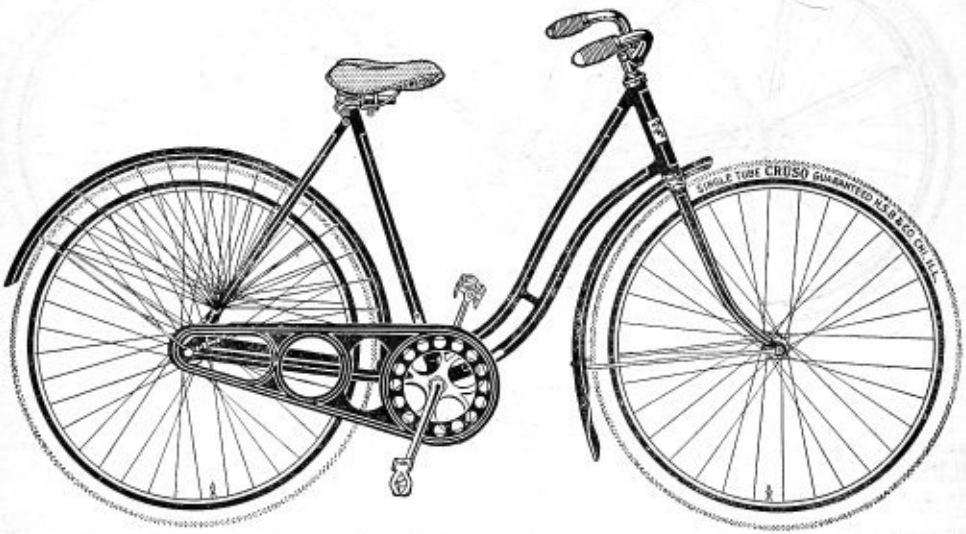
No. 502—Equipped with saddle, handle bars, pedals, tool bag and tools, coaster brake and mud guards, without tires, each		**BJAE**	$33.60
No. 522—Equipped with saddle, handle bars, pedals, tool bag and tools, Cruso tires, coaster brake and mud guards, each		**BCAJ**	$38.50
No. 552—Equipped with saddle, handle bars, pedals, tool bag and tools, with Il-a-noy G. & J. tires, coaster brake and mud guards	each	**BEHJ**	$43.00
Extra for Steel Lined G. & J. Rims, on No. 502	each	**CE**	.60
Extra charge for No. 4 Equipment	each	**CJ**	.50
Extra charge for No. 3 Equipment	each	**AEJ**	2.50
Extra charge for No. 2 Equipment	each	**BAJ**	3.50
Extra charge for No. 2-X Special Equipment	each	**CJJ**	5.00
Extra charge for No. 1 Equipment	each	**BAJ**	3.50

Special Equipments illustrated and described on page 2300.

W'T PACKED FOR SHIPMENT 58 LBS.

LADIES' CRUSO BICYCLES.

The Ladies' Cruso is made of the same material and in the same careful manner as the Men's Cruso. The drop double truss frame is positively the correct construction for a lady's wheel. This construction insures rigidity and perfect alignment. A lady's wheel is a more difficult bicycle to manufacture than a man's because it requires very careful work to keep the wheels in line. The fork on the Ladies' Cruso is so built as to make it properly balance. Steel dress and mud guards for the protection of the rider.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—20 in., when seat post is lowered 26 in., when seat post is raised 31 in.

Fork—Oval drop forged crown, reinforced sides.
Finish—Black, with gold stripe.
Rims—Black, with gold stripes to match frame.
Crank Hanger—One piece 6½ in. oval pattern crank, thoroughly guaranteed, cones and cups made from high grade steel.
Saddle—New construction wide lady's saddle.
Tool Bag—Containing wrench, oil can and pump.
Coaster Brake—We furnish the well known New Departure on all models at additional cost—see prices below.

Frame—22 in., when seat post is lowered 28 in., when seat post is raised 33 in.

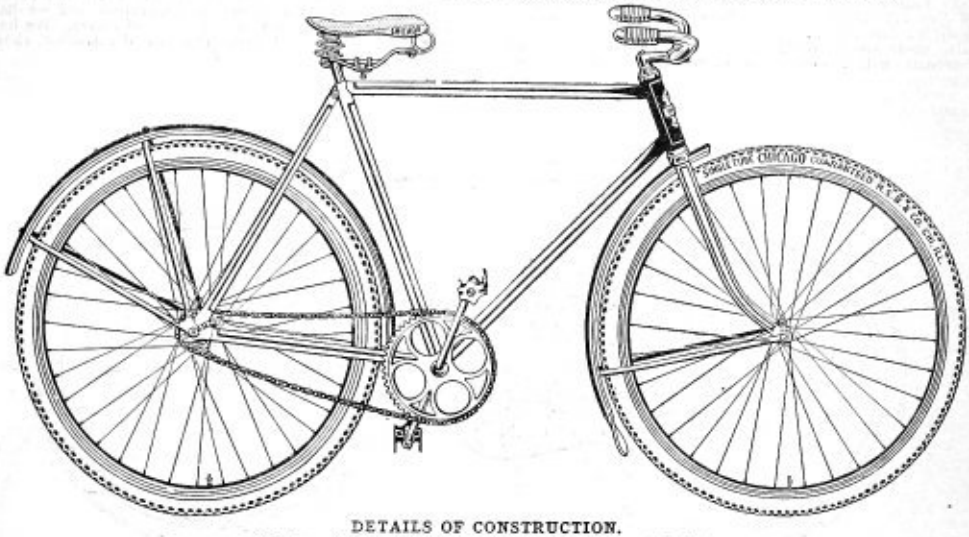
Tires—At a slight additional cost, as per prices below, we equip this wheel with either our new Cruso studded tread tires, or with our Il-a-noy G. & J. Clincher type studded tires.
Mud Guards—Enameled to match frame.
Chain—⅛ in., ½ in. pitch, roller chain, blued finish.
Hubs—Turned, with selected steel bearings.
Gear—74, sprocket 9 tooth rear, 24 tooth front.
Seat Post—⅞ in. forward L, pinch bolt binder.
Handle Bar—No. 658X extension, with No. 24 wound leather grips.
Pedals—No. OC Pirate combination.

No. 421—Equipped with saddle, handle bars, pedals, tool bag and tools, with Cruso tires, and coaster brake, each ..... **BDIJ** $41.00
No. 451—Equipped with saddle, handle bars, pedals, tool bag and tools, with Il-a-noy G. & J. tires, and coaster brake, each ..... **BGCJ** $45.50

W'T PACKED FOR SHIPMENT 55 LBS.

MEN'S CHICAGO BICYCLES.

Inasmuch as the Chicago is our least expensive bicycle, we have taken great pains to have it present a well balanced, up-to-date appearance. There is nothing cheap about the Chicago except the price. It is absolutely the most satisfactory bicycle ever sold at the price. Dealers will find that it will build up their bicycle business immensely.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedals at Lowest Point.

Frame—20 in., when seat post is lowered, 29 in., when seat post is raised, 34 in.

Frame—22 in., when seat post is lowered, 31 in., when seat post is raised, 36 in.

Frame—24 in., when seat post is lowered, 33 in., when seat post is raised, 38 in.

Frame—22 in. regular, option of 20 in. or 24 in., made of high grade 18 gauge steel tubing, flush joints, fish-mouth reinforcements, pinned throughout.

Fork—Oval pattern, drop forged nickel plated, reinforced sides.

Finish—Made in two finishes—**A**, Amber with red sunburst head, one stripe on frame and fork, amber rims with red center. **B**, Dark blue with red sunburst head, one stripe on frame and fork, blue rims with red centers. Kindly designate specifically which color is desired to save confusion.

Crank Hanger—One piece, round pattern, 7 in. crank.

Chain—⅛ in., ½ in. pitch, roller chain.

Hubs—Turned, with selected steel bearings.

Gear—81, sprocket 18 tooth rear, 52 tooth front.

Seat Post—⅞ in. forward L, pinch bolt binder.

Handle Bars—No. 358, 21 in., with 6 in. rise, no forward bend, expander stem and wound leather grips.

Pedals—No. 0 Pirate Rat Trap.

Saddle—No. 25, with universal springs.

Coaster Brake—We furnish at slight additional cost the well known New Departure Coaster Brake on all models. See prices below.

Tires—Our new Chicago tires are the best tires we have ever offered on this model. The stock has been greatly improved and tread is composed of small studs, giving greater life to the tire and improving its appearance. This Chicago tire or our Il-a-noy G. & J. Clincher type studded tire will be furnished, as per prices below.

Mud Guards—With raised center and finished in two colors to match frame, at additional cost as per prices below.

No. 102—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, **without tires**, each ..... AGDJ $29.00

No. 152—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, and Chicago tires, each ..... BJAJ $33.50

No. 5152—Equipped with saddle, handle bars, pedals, Il-a-noy G. & J. tires, coaster brake and mud guards, each ..... BBEJ $37.50

CHICAGO PLAIN FINISH.

Finish, Black, no Stripe on Frame or Fork, no Sunburst Head.

No. 101—Equipped with saddle, handle bars, pedals, New Departure coaster brake and mud guards, **without tires**, each★ ..... AFEJ $27.50

No. 142—Equipped with saddles, handle bars, pedals, New Departure coaster brake and mud guards, Chicago tires, each★ ..... AICE $31.90

Extra for steel lined G. & J. rims on Nos. 101 and 102		CE	.60
Extra charge for No. 10 REVERE Rookie Equipment	each	JFE	1.10
Extra charge for No. 5 Equipment	each	JIJ	1.50
Extra charge for No. 4 Equipment	each	ABJ	2.00
Extra charge for No. 3 Equipment	each	BAJ	3.50
Extra charge for No. 2 Equipment	each	CJJ	5.00
Extra charge for No. 2-X Special Equipment	each	CIE	6.60
Extra charge for No. 1 Equipment	each	BIJ	4.80

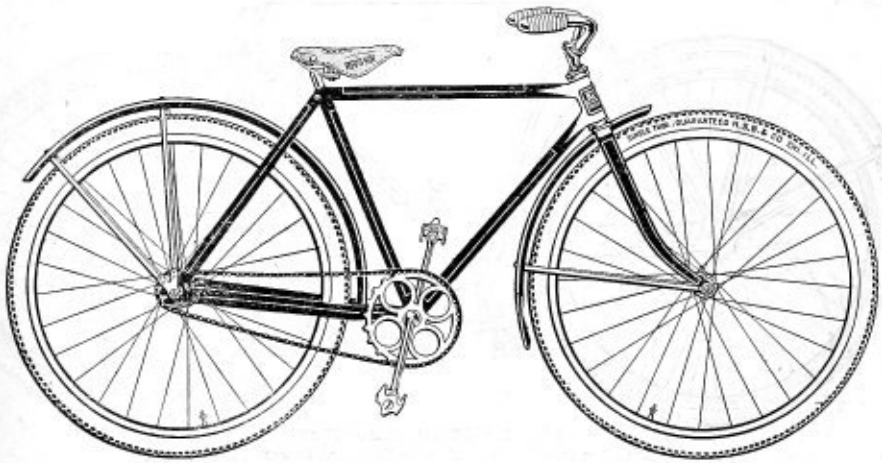
No tool bags or tools included in equipment of Chicago Bicycles.
Special Equipments illustrated and described on page 2300.

WT PACKED FOR SHIPMENT 56 LBS.

★*FOR FACTORY SHIPMENT ONLY.*

REVONOC JUVENILE BICYCLES.

There is no question but that a bicycle for the Juvenile trade must be stronger in proportion than one for an adult. The younger generation take more risks and subject their wheels to feats that an adult's judgment would not permit. Riding off sidewalks and over obstacles make it necessary to give this model our special consideration and we have built up our juvenile business owing to the fact that we believe nothing is too good for this class of riders. We have also made our juvenile models attractive in color, which appeals to the boy and girl, and the illustration shown herewith will convince you of the strong and handsome models we carry.



DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedal at Lowest Point.

Frame—16 in., when seat post is lowered 23 in., when seat post is raised 28 in.

Frame—16 in. equipped with 24 in. wheels, 18 in. equipped with 26 in. wheels, made of 19 gauge seamless tubing.

Fork—The most important detail of a Juvenile wheel is the fork, on account of the great strain that is given the front wheel. Fork crown made from a drop forging with semi-arch, nickel plated crown, ⅞ in. fork sides reinforced.

Finish—Black with blue sunburst head.

Rims—Black with blue center to match frame.

Crank Hanger—We use the one piece hanger made in the same manner as the balance of our crank hangers, with 5¼ in. oval cranks. The balance of the equipment is made especially for us and designed on juvenile lines throughout.

Mud Guards—Finished in two colors to match frame. Supplied at slight additional cost—see prices below.

Frame—18 in., when seat post is lowered 25 in., when seat post is raised 30 in.

Tires—At slight additional cost, as per prices below, we will furnish the new Chicago studded tread bicycle tires.

Saddle—No. 219 REVONOC suspension type.

Handle Bar—No. 758X adjustable Juvenile, with wound leather grips.

Pedals—No. 2J Standard.

Chain—⅜ in. B block pattern, blued sides, straw colored center.

Hubs—New type Bell pattern, finely finished and fitted with selected bearings.

Gear—59, sprocket 9 tooth rear, 20 tooth front.

Seat Post—⅞ in. pinch bolt binder.

Coaster Brake—We furnish at slight additional cost the well known New Departure coaster brake—see prices below.

No. 321—16 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago Guaranteed 24 in. tires and coaster brake ..... each **BBCJ** $37.20

No. 322—16 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago Guaranteed 24 in. tires and coaster brake and mud guards ..... each **BCAJ** $38.50

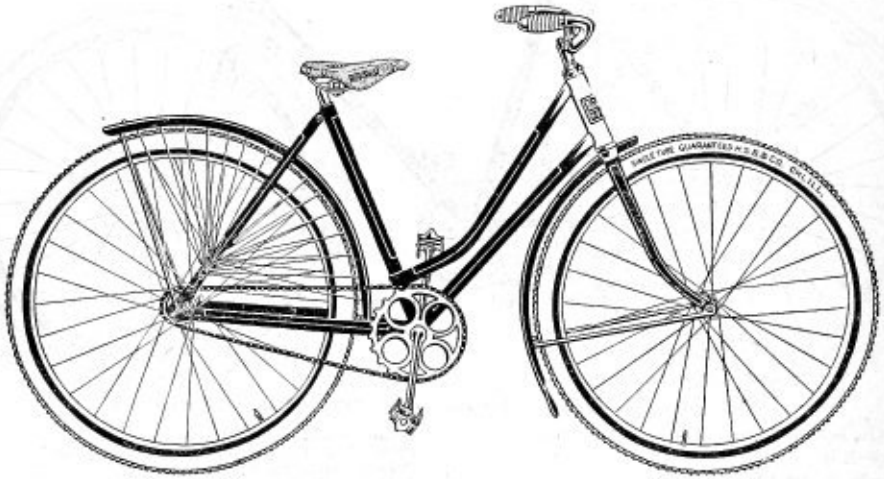
No. 321—18 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago Guaranteed 26 in. tires and coaster brake ..... each **BBFJ** $37.70

No. 322—18 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago Guaranteed 26 in. tires and coaster brake and mud guards ..... each **BCDJ** $39.00

W'T PACKED FOR SHIPMENT 44 LBS.

RSVONOC JUVENILE BICYCLES.

This model is made in the same careful manner as our Boys' Juvenile, and is constructed on scientific lines so as to properly balance. There is no easier riding juvenile on the market.



Cut shows mud or skirt guards. They are not furnished, except at slight additional cost. See below.

DETAILS OF CONSTRUCTION.

Distance from Top of Saddle to Pedals at Lowest Point.

Frame—16 in., when seat post is lowered, 22 in., when seat post is raised, 27 in.

Frame—18 in., when seat post is lowered, 24 in., when seat post is raised, 29 in.

Finish, Rims, Crank Hanger, Chain, Hubs, Gear, Seat Post and equipments are exactly the same as on the Boys' RSVONOC Juvenile Bicycle.

No. 221—16 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago 24 in. tires and coaster brake ..... each **BCAJ** $38.50

No. 222—16 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago 24 in. tires, coaster brake and mud guards ..... each **BDJJ** $40.00

No. 221—18 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago 26 in. tires, and coaster brake ..... each **BCDJ** $39.00

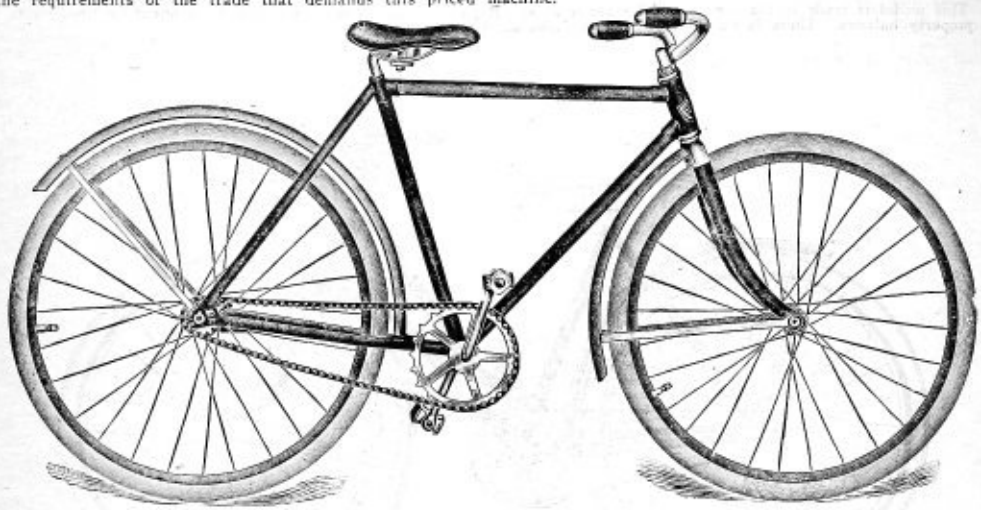
No. 222—18 in., equipped with saddle, handle bars, pedals, tool bag and tools, with Chicago 26 in. tires, Coaster brake and mud guards ..... each **BDCJ** 40.50

W'T PACKED FOR SHIPMENT 44 LBS.

CHICAGO JUVENILE BICYCLES.

The great increase in the sale of bicycles has extended to the juvenile as well as to the adult models. Our line did not contain a low priced model, within the reach of all the younger generation who wished to ride.

To meet the increasing demand we have added our Chicago Juvenile Bicycle, which we believe will answer the requirements of the trade that demands this priced machine.



Frame—Option 18 in. or 19 in. External joints. All parts of frame reinforced.

Wheels—24 in. in 18 in. frame, and 26 in. in 19 in. frame.
Main Tubes—⅞ in.
Rear Fork—¾ in., tapering to oval.
Upper Stays—⅝ in. oval.
Seat Post—Cluster fitted with binder bolt.
Fork—Oval pattern, arch crown, nickel plated.
Rims—Steel.
Hubs—Turned from solid bar stock.
Crank Hanger—Drop forged, two piece.
Crank—Round, length 5½ in.
Sprocket—22 tooth, front 7 tooth, rear geared.
Pedals—Pirate rat trap.
Saddle—Padded wood base, with grain leather top.
Handle Bar—Adjustable, reversible.
Tires—Nonpareil, guaranteed. 18 in. frame, 24 in. tires, 19 in. frame, 26 in. tires.
Finish—Red, with black line stripe. Rims to match.

No tool bag or tools furnished with this model except wrench, which fits all nuts. New Departure coaster brakes furnished at a slight additional cost. See prices below.

No. 120—18 in. frame, 24 in. wheels, equipped with handle bar, pedals, saddle, tires and mud guards, each ..... **AEHJ** $25.00

No. 122—18 in. frame, 24 in. wheels, equipped with handle bar, pedals, saddle, tires, New Departure coaster brake and mud guards ..... each **AIGJ** $31.50

No. 120—19 in. frame, 26 in. wheels, equipped with handle bar, pedals, saddle, tires and mud guards, each ..... **AFHJ** 27.00

No. 122—19 in. frame, 26 in. wheels, equipped with handle bar, pedals, saddle, tires, New Departure coaster brake and mud guards ..... each **BJGJ** $33.50

We cannot deviate in any particular from the equipment on above bicycles.

W'T, PACKED FOR SHIPMENT, WITHOUT COASTER BRAKE, 40 LBS.; WITH COASTER BRAKE, 41 LBS.

BICYCLE GUARANTY.

We agree with the purchaser of each "[illegible] Hibbard," "[illegible]," Cruso, or Chicago Bicycle to make good by repair or replacement any defects in material or workmanship, provided the defective part is delivered to us, transportation charges prepaid.

This guaranty does not cover cost of repairing bicycles damaged by accident, misuse, or neglect, and expires December thirty-first of the year in which the purchase is made.

In returning defective parts, do not fail to put your own name and address on the tag, and to write a letter giving full particulars. Failure to do this may be the cause of much unnecessary delay.

TIRE GUARANTY.

We guarantee [illegible], Cruso, Chicago and Il-a-noy Clincher tires to be perfect in workmanship and material, and if any defect should develop within the season on goods purchased from us, we will repair or replace without charge, provided they are returned to us charges prepaid.

Rim cut, punctured, or tires abused, misused or worn out in service will not be replaced.

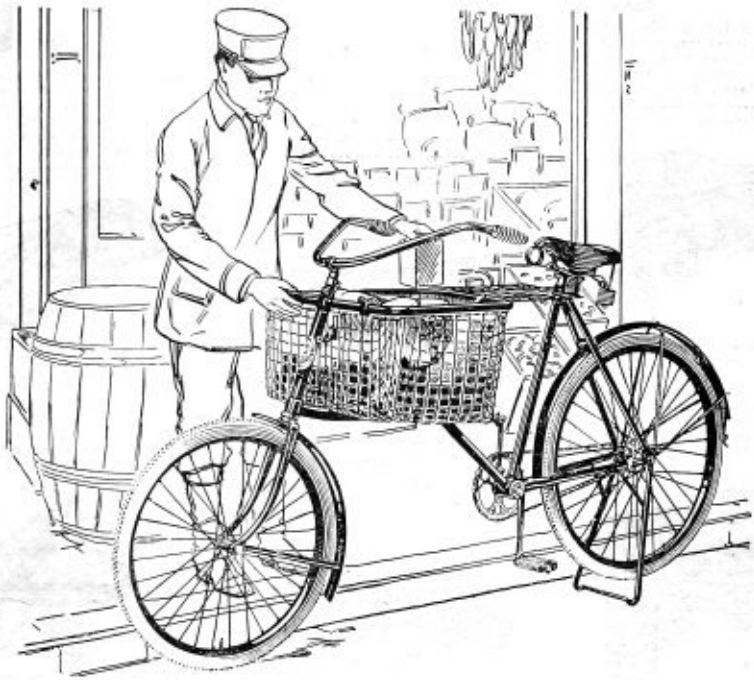
This guaranty continues in effect to December 31st following date of purchase.

See that every package sent has your full address—name, town, street No. or county and state—securely fastened to it.

COMMERCIAL BICYCLES.

The Commercial Bicycle is designed and built to meet the delivery requirements of the up-to-date merchant, and is constructed to carry a load without interfering with the easy riding qualities. A large, strong carrier is placed low between the two wheels where it is easiest carried. In this position the load does not affect the balance of the bicycle, is evenly distributed and, not being attached to the handle bars, does not interfere with the steering.

The Commercial Bicycle is especially built for the purpose of giving a delivery service at a reasonably low cost. Can be operated by a boy. It also is an attractive advertisement for the dealers using same. It is adapted for all classes of merchants. **We can make no change in equipment whatever.**



Ready to ride, w't each 52 lbs.....each **CFJJ** $60.00

Frame—22 in. Main frame is made of 1 in., 1⅛ in. and 1¼ in. Shelby cold rolled seamless and Standard Welding Co.'s steel tubing, 18 and 20 gauge. Rear stays and rear forks, round pattern of 14 gauge tubing. All outside joints including Hanger Shell. Special fittings and reinforcements throughout. Front fork with drop forged crown, fork sides 14 gauge tubing. Frames tested to 1,000 lbs. strain.

Crank Hanger—Special one piece hanger.

Sprockets—Front 24 tooth, rear 9 tooth, gear 74.

Wheel Base—52½ in.

Color—Solid black enamel, gloss finished over rubber coat foundation.

Wheels—Front 24 in., rear 28 in., American Wood Rim Co.'s guaranteed wood rims of seasoned Michigan hard maple for pneumatic tires. Spokes, Diamond E No. 105. Motorcycle type.

Hubs—Corbin heavy service hubs, turned from solid steel bar, ¾ in. balls.

Chain—1 in. pitch, block ⅞ in., Diamond No. 9.

Handle Bars—No. 1106 handle bars fitted with rubber corrugated grips.

Saddle—No. 209.

Pedals—Motorcycle type, rubber pedals.

Mud Guards—Steel front and rear, enameled black, fastened with strong flat steel braces.

Stand—Motorcycle style.

Tires—Special heavy service studded pneumatic tire, guaranteed 4-ply fabric.

Coaster Brake—New Departure.

Carrier—Equipped with clasp and padlock, 24x15x12 in., large enough for suit boxes, basket tested to 250 lbs.

W'T PACKED FOR SHIPMENT 85 LBS.

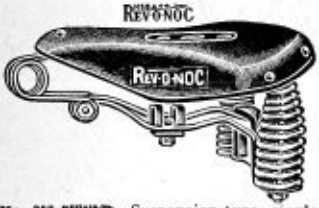
BICYCLE SADDLES.



No. 214 —New type tension rear springs with steel truss frame, double spring action nose, made of highest quality leather, black enameled springs, tilting clamp, 11x9 in., w't each 4½ lbs. .....each **BEE** $4.30
Constructed for hard service.



No. 207 —New spiral tension rear spring and double truss spring, black enameled, 8½x12 in., w't each 4½ lbs., each .....**BDJ** $4.00
This saddle is designed after one of the most popular motorcycle saddles, but is lighter in construction and meant for bicycle use.



No. 208 —Suspension type, single truss spring fitted with Center compression springs, black enameled, size 10½x7¾ in. wide, w't each 4½ lbs., each .....**BBJ** $2.70



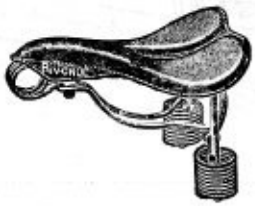
No. 210 —Suspension type, with top 10¼x8½ in., tilting clamp and new double rear spring, tightly coiled, is arranged inside the coil of a spring under less tension, top rides on inside spring and spring to which tilting clamp is fastened to outside spring, w't each 4½ lbs., each .....**BAJ** $3.50
Above arrangement of springs is new and provides comfort on any road.
LOOSE.



No. 215 —Motolike, especially designed for motorcycle style bicycles, same material as motorcycle saddles, with leaf springs made of chrome vanadium steel, tilting clamp, highest grade stretched leather top, size 11½x 9½ in., w't each 4½ lbs., each .....**BDJ** $4.00
A very comfortable saddle.



No. 219 —Suspension type juvenile model, constructed of high grade leather with truss spring, size 9x6½ in., w't each 1 lb.....each **JFJ** $1.00
A racy saddle for juvenile equipment.



No. 13 —Men's, with perfection spring, wood base, felt padded, tan color grain leather, high back, 10¼x8 in., w't 2 lbs., each **ACJ** $2.20
ONE IN A BOX.



No. 72 —Javenile, truss spring, well padded, grain leather, 6½x7½ in., w't 1 lb. .....each **FJ** $0.96

"CRUSO."



No. 209—"Cruso," suspension type with top of heavy oak tanned leather, size 10¼x8 in., two compound, black enameled cushion spring, universal clamp, polished and plated, light and very comfortable, w't each 4 lbs., each .....**AEJ** $2.50
LOOSE.



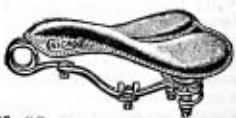
No. 217—Cruso, suspension type, constructed of heavy oak tan leather, black enameled high grade double springs, size 10x7½ in., w't each 2½ lbs.....each **ABJ** $2.00
Will stand hard service. Especially made for equipment purposes.



No. 6—"Cruso," women's, coil spring, wood base, felt padded, tan color grain leather, 9¼x8¼ in., w't 1½ lbs., each .....**ABJ** $2.00
ONE IN A BOX.



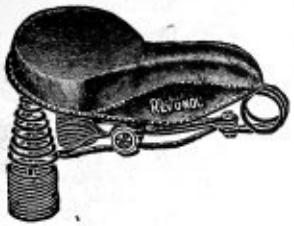
No. 14—"Cruso," men's, with C. G. universal spring, wood base, felt padded, tan color grain leather, high back, 10¼x8 in., w't 2⅛ lbs., each .....**ABJ** $2.00



No. 25—"Cruso, men's, black universal spring, wide base, well padded, grain leather, 9¼x7½ in., w't 2 lbs each .....**JIJ** $1.50
ONE IN A BOX.

SADDLES, CLAMPS AND HANDLE BAR PARTS.

BICYCLE.



No. 203 REVERSO—This saddle is a new design and modeled after the famous Truform motorcycle saddle, comfortable shape, heavily padded, made of 5 ply veneer wood, a comfortable and durable saddle, size 11x8¼ in., w't each 3¼ lbs. .....each **BDJ** $4.00



No. 305—Overland, two nickeled cushion springs, fine quality leather, fitted with tilting clamp, 10½x8¼ in., w't 3¼ lbs. .....each **BDJ** $4.00
Similiar to the celebrated "Peerless" but smaller and lighter.



No. 306—Sterling, two compound cushion nickeled springs, finest quality leather, heavy nickeled brace, fitted with tilting clamp, 11x9½ in., w't 3¾ lbs. .....each **BGJ** $4.50



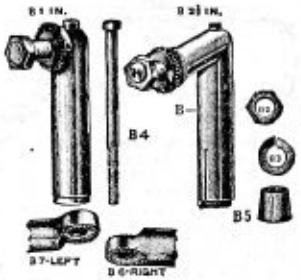
No. 400—Apex, compound suspension spring, w't 3 lbs. ....each **AFJ** $2.70

This saddle is the result of an increasing demand for a large spring saddle patterned after the most popular motorcycle types and at a low price. The spring is of the compound suspension type, eliminating practically all jar.

A very handsome and durable saddle.

ONE IN A BOX.

KELLY HANDLE BAR PARTS.



No. B1—Forward extension stem, 1 in., with expander, w't about 10 oz., each★ .....**JIE** $1.56

No. B2½—Forward extension stem, 2½ in., with expander, w't about 11 oz.★ .....each **AAJ** $1.84

No. B2—Forward extension stem nut, w't about 1 oz.★ .....each **E** $0.08

No. B3—Forward extension stem washer, w't about 1 oz.★ .....each **E** $0.08

No. B4—Forward extension stem expander screw, w't about 2 oz., each★ .....**AB** $0.20

No. B5—Forward extension stem expander plug, w't about 2 oz., each★ .....**AB** $0.20

No. B6—Forward extension right side arm—double row teeth, w't about 11 oz.★ .....each **JFB** $1.04
Specify styles 3, 4 or 5.

No. B7—Forward extension left side arm—single row teeth, w't about 11 oz.★ .....each **JFB** $1.04
Specify styles 3, 4 or 5.
Always specify shape when ordering.
LOOSE.

HANDLE BAR STEMS.



No. 45. No. 65. No. 85.

No. 45—For Nos. X458 and X758, diam. ⅞ in., with expander, w't 10 oz., each .....**CJ** $0.50

No. 65—For Nos. X658, X858, X958 and 358, diam. ⅞ in., with expander, w't 14 oz. .....each **CE** $0.50

No. 85—⅞ in. in diam., fits any bicycle handle bar, stem raises the handle bar about 2 in. higher than other stems will allow, without giving the wheel an awkward appearance, w't 15 oz. .....each **CE** $0.80
LOOSE.

SADDLE CLAMPS.



No. 5G. No. 7G.

No. 5G—Nickel plated forged steel, w't per doz. 1 lb. ...per dozen **AJJ** $1.70

No. 7G—Chalfant, direct, nickel plated and polished, for wire, for 1 or 1⅛ in. tubing, w't per doz. 4 lbs., per dozen .....**CFJ** $6.00
NO. 7G, ONE-HALF DOZEN IN A BOX;

BICYCLE SEAT POSTS.



No. X74—Forward L, with expander, nickel plated, ⅞ in., w't per doz. 8 lbs. .....per dozen **DEJ** $7.20

SADDLE SPRINGS AND HANDLE BARS.

HANDLE BARS.



No. X458—Schinneer Pattern, drop 3 in., forward bend 1½ in., 19 in. wide with adjustable expander, ⅞ in. stem, without grips, w't 1½ lbs., each .....**JFE** $1.10



No. X758—Schinneer Pattern, juvenile, drop 3 in., forward bend 1¼ in., 16 in. wide, with adjustable expander, ⅞ in. stem, without grips, w't 1½ lbs., each .....**JFE** $1.10



No. X658—Schinneer Pattern, drop 3 in., 2½ in. forward extension stem, 19 in. wide, with adjustable expander, ⅞ in. stem, without grips, w't 1¾ lbs., each .....**JGJ** $1.20

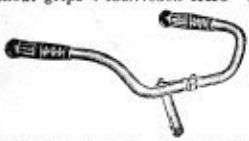
MOTORCYCYLE PATTERN BICYCLE HANDLE BARS.



No. 1106—20 in. wide, 6 in raise, 4 in. straight center and grip end straight for 4½ in., complete with No. 65 stems, w't 2¼ lbs. .....each **ABJ** $2.00



No. 1107—21 in. wide, 4 in. raise, no forward bend, made of heavy gauge material with cross bar, extra strong, for motorcycle style bicycles, w't each without grips 4 lbs...each **AHJ** $3.00



No. 1108—20 in. wide, 4 in. upturned rise, no forward bend, 8 in. straight center, extends backward 7½ in., complete with No. 65 Extension stem, without grips, w't 2¼ lbs., each .....**AJJ** $1.70

HANDLE BARS.



Daily Service, Complete with No. 65 Stem, ⅞ in. in Diameter, 6 in. Raise, Especially Adapted for Carrying Large Packages on Handle Bars.

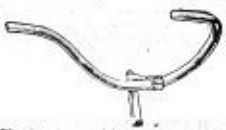
Nos.	320	322
Width, in.	20	22
W't, lbs.	1½	1¾
Without handle bar grips, each	$1.60 JIE	1.70 AJJ



With No. 65 Extension Stems.

No. 622—Width 22 in., drop 6 in., without grips, w't 1⅞ lbs., each **JHE** $1.40
No. 624—Width 24 in., drop 6 in., without grips, w't 2 lbs., each **JIJ** $1.50
No. 822—Width 22 in., drop 8 in., without grips, w't 2⅛ lbs., each **JIE** $1.60
No. 824—Width 24 in., drop 8 in., without grips, w't 2⅛ lbs., each **AAJ** $1.80
No. 926—Width 26 in., drop 9 in., without grips, w't 2¼ lbs., each **AAE** $1.90
No. 1028—Width 28 in., drop 10 in., without grips, w't 2½ lbs., each **ABJ** $2.00

These tops are made of the highest quality of seamless steel tubing, heavily nickel plated on copper, buffed and finished in the best possible manner. May be used as upturn or drop bars.



No. 358—21 in. wide, 6 in raise, no forward bend, 2½ in. forward extension stem ⅞ in. diameter, without grips, w't each 1½ lbs., each .....**JHE** $1.40
A beautiful new bar.

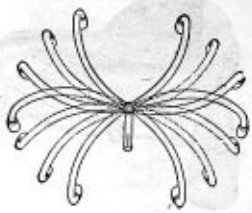
LOOSE.



No. X618—Kelly, adjustable, ⅞ in. stem, 18 in. wide, 2½ in. extension, with expander, without grips, w't 2 lbs. .....each **AEJ** $2.50
The extreme width from center to center when grips are level with head is 19½ in.

No. X619—Kelly, adjustable, ⅞ in. stem, 23 in. wide, 25 in. when level, 2½ in. forward extension with expander, w't 2½ lbs., without grips, each .....**AEJ** $2.50

HANDLE BARS.

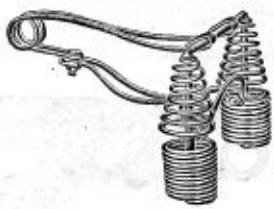


No. 629—Kelly, adjustable, ⅞ in. stem, 2½ in. with expander, width, when adjusted to 6 in. raise, 24 in., when level 27½ in., no forward bend, without grips, w't each 2¼ lbs., each .....**AHJ** $3.00

SADDLE SPRINGS.



No. CG—Universal, adjustable to fit any saddle, w't per doz. 12 lbs., per dozen .....**CCJ** $5.50



No. DG—Same action as "No Bump" Troxel motorcycle spring, designed to meet a great demand for this type of spring on a bicycle, gives a maximum of saddle comfort, w't per doz. 30 lbs. .....per dozen **JGJ** $13.20



No. 49—Standard extension, nickel plated on copper, front springs attached to base with double bolts and washers, wt per doz. 24 lbs., per dozen .....**JFEJ** $10.80

Long upper portion of spring prevents nose of saddle from breaking. Adjustable sheet steel clips on rear of bridge will fit any saddle.

BICYCLE SUNDRIES.

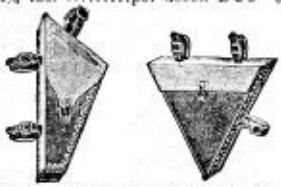
TOOL BAGS.



No. 9—Men's, oval, smooth leather, w't per doz. 2¾ lbs., per doz. **BAE** $3.60



No. G10—Men's, round, pebble grain leather, patent fastening, w't per doz. 1¼ lbs. .....per dozen **DCJ** $.20



No. P60—Women's, triangular, pebble leather, patent fastening, w't per doz. 2 lbs. .....per dozen **CFJ** $6.00
No. G60—Women's, triangular, grain leather, patent fastening, w't per doz. 2 lbs. .....per dozen **EJE** $8.40
No. G20—Men's triangular, grain leather, patent fastening, w't per doz. 2¼ lbs. .....per dozen **EJE** $8.40

TROUSER GUARDS.



No. 11.



No. 21.



No. 22.

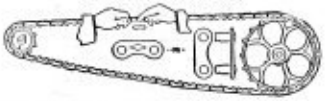
No. 11—Corrugated, enameled steel, w't per doz. prs. ¾ lb., per dozen pairs .....**AH** $0.30
No. 21—Perfection, enameled steel, w't per doz. prs. ⅞ lb., per dozen pairs .....**AH** $0.30
No. 22—Perfection, cloth covered, steel, w't per doz. prs. ⅞ lb., per dozen pairs .....**JFJ** $1.00
THREE DOZEN IN A BOX.

HUB CLEANING STRAPS.



No. 10—Bolton's, for hubs and coaster brakes, w't per doz. ½ lb., per dozen .....**DJ** $0.70
This strap will keep the hubs bright and clean.
ONE DOZEN ON A CARD.

REPAIR LINKS.



No. 1G—⅛ in., per dozen boxes .....**JGJ** $1.20
No. 2G—¼ in., per dozen boxes .....**JGJ** 1.20
TWO LINKS IN A BOX.

DIAMOND ROLLER REPAIR LINKS.



No. 6—⅜x1 in., pitch chains, per dozen boxes .....**AAJ** $1.80
No. 7—½x1 in., pitch chains, per dozen boxes .....**AAJ** $1.80
No. 9—⅝x½ in., pitch chains, per dozen boxes .....**AAJ** $1.80
TWO LINKS IN A BOX.

MOTORCYCLE CHAINS.



No. 149—Diamond, ⅝ in. pitch, ¼ in. wide, polished straw tempered hard rollers, hard steel bushings—not split, hard rivets, full polished blued sides, beveled edges, reamed holes, w't per ft. 8 oz. .....per foot **CE** $0.62
Always give length wanted.

BEAN CHAIN TOOLS.



No. A1—W't 5 lbs., per dozen .....**JHAJ** $13.50
The majority of motorcycles are chain driven and there is more or less trouble from loose chains and accidental breaks. No. A1 Chain Tool enables the rider to make a repair in five minutes that otherwise could not be made except in a repair shop. Every rider of a chain driven motorcycle should have one of these tools in his kit.
ONE IN A BOX.

BICYCLE CHAIN.



DIAMOND. Plain Straw Tempered B Blocks, Hard Rivets, Plain Blued B Sides, 60 Inches Long.

No. 9—Size.....	3/16	¼	in.
Weight.....	1¼	1¾	lbs.
Each.....	$1.05	1.17	
	JFE	JGJ	

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

BICYCLE CHAINS.



No. 29—Diamond, polished straw tempered B blocks, hard rivets, top polished, blued solid B sides, 3/16 in., 60 in. long, w't 1¼ lbs., each **JHJ** $1.35



No. 31—Diamond, polished straw tempered B blocks, hard rivets, top polished, blued B sides, with diamond perforation, 3/16 in., 60 in. long, w't 1¼ lbs.....each **JHE** $1.45



No. 45—Diamond, polished straw tempered nickel steel B blocks, hard rivets, full polished and embossed, bright B chamfered sides, with diamond perforations, 3/16 in., 60 in. long, w't 1¼ lbs. .....each **AEJ** $2.00



No. 61—Roller Polished straw tempered hard rollers, hard steel bushings (not split), hard rivets, full polished blued sides, with beveled edges, width 3/16 in., 60 in. long, w't 1½ lbs. .....each **JIE** $1.60

ENGLISH ROLLER CHAIN.



No. 51—"Eto", polished straw tempered hard rollers, turned from solid stock, full polished blue sides, 3/16 in. width, 1 in. pitch, 56 in. length, w't 1½ lbs.....each **JHE** $1.40
ONE IN A BOX.



No. 71—Diamond, polished straw tempered, hard rollers, hard steel bushing—not split—hard rivets, full polished bluer sides, width 3-16 in., 1 in. pitch, 60 in. long, w't 1½ lbs., each .....**JFJ** $1.04



No. 75—Diamond polished straw tempered hard rollers, hard steel bushings—not split—hard rivets, full polished blued sides, width 3-16 in., ½ in. pitch, 60 in. long, w't 1½ lbs., each .....**JFJ** $1.04
ONE IN A BOX.

BICYCLE LAMPS AND HAND GRIPS.

BICYCLE HAND GRIPS.



No. 24—⅞ in., wound leather body, plain wood cap and ferrule, w't per doz. prs. 1½ lbs.....per dozen pairs **JGJ** $1.20
No. 26—⅞ in. cherry stained wood cap and ferrule, w't per doz. prs. 1½ lbs.....per dozen pairs **JHE** $1.44



No. 27—⅞ in., wound leather body, cherry stained wood cap and nickel plated ferrule, w't per doz. prs. 1¾ lbs. ..per dozen pairs **AJJ** $1.68



No. 29—⅞ in., all leather, sewed grain leather body, nickel plated ferrule, w't per doz. prs. 1¼ lbs., per dozen pairs .....**AHJ** $3.00
ONE DOZEN PAIRS IN A BOX.



No. 321—⅞ in., length 4¾ in., all rubber body, nickel ferrules, extending beyond the handles giving a cushion effect to the hands and wrists, w't per doz. prs. 6 lbs., per dozen pairs.....**BIJ** $7.68
HALF DOZEN PAIRS IN A BOX.



No. 331—⅞ in., length 3¼ in., rubber body, nickel ferrules, w't per doz. prs. 4½ lbs..per dozen pairs **BGJ** $4.50
These grips are longer than the regular grips, so as to do away with the vibration of hands and wrists.
ONE DOZEN PAIRS IN A BOX.

MOTORCYCLE PATTERN BICYCLE GRIPS.



No. 20—Rubber, 6½ in. long, extends 3½ in. beyond end of handle bar, w't per doz. prs. 10 lbs., per dozen pairs.....**DGJ** $7.80

This grip is made in response to the demand from the younger generation for bicycle equipment patterned to look like motorcycle fittings. Takes up jar on wrists and hands.

MOTORCYCLE HANDLE BAR GRIPS.



No. M32—Pennsylvania, rubber, 8¼ in. long, large knob ends, corrugated, longer than the ordinary grip to take up vibration on the hands and wrists, for 1 in. handle bar, w't per doz. prs. 12 lbs.....per dozen pairs **JGGJ** $12.80
Always specify size wanted on motorcycle grips.



No. M30—Rough Rider, rubber, constructed so as to extend about 4 in. beyond end of handle bar, very pliable, for 1 in. handle bar, w't per doz. prs. 12 lbs., per dozen pairs.....**JGIJ** $13.20
LOOSE.

VEHICLE OIL LAMP.



No. 255G—Buggy and vehicle, to comply with the vehicle lighting law, brass, full nickel plated, 2½ in. front lens, 1½ in. rear red lens, height 6 in., w't per doz. 18 lbs., per dozen.....**BAFJ** $36.00
Complete with bracket for use with wood screws to be used on coal wagons, grocery wagons, or can be furnished with buggy bracket for attachment to dash of buggy.
ONE IN A BOX.



No. 217BG—Columbia, buggy, gun metal finish, jewel side lights, 2½ in. lens, height 7½ in., fitted with heavy bail and dashboard bracket, w't per doz. 27 lbs., per dozen.....**CJJJ** $50.00
Automatic water feed, controlled by gas pressure.

OIL.



No. 210G—Light Weight, brass, full nickel plated, height 6 in., 2½ in. lens, burning capacity 10 hrs., side lights green and ruby jewels, w't per doz. 12 lbs., per dozen **AJAJ** $16.80



No. 212G—Solar, brass full nickel plated, removable top head, aluminum reflector and wick lock burner, 2½ in. double convex lens, ¾ in. red jewel side lights, combination head and fork bracket, height 6 in., w't per doz. 15 lbs., per dozen **AEGJ** $26.28

Case lots of 48, w't per case 80 lbs. .....**ADIJ** $24.90

BICYCLE LAMPS.

OIL.

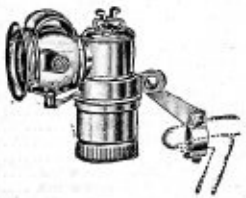


No. 245G—Everlit, brass, full nickel plated, height 5¼ in., hinge door with 2½ in. convex lens, removable top for cleaning, w't per doz. 12 lbs., per dozen.....**AAEJ** $19.20
ONE IN A BOX.

ACETYLENE GAS.

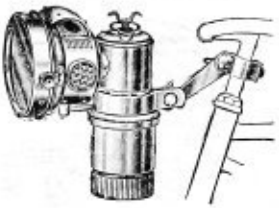


No. 230G—Search-Light, brass, full nickel plated, automatic in action, will not jar out, height 8 in., 2½ in. lens, w't per doz. 24 lbs., per dozen.....**BEBJ** $42.00



No. 10—Old Sol, brass, full nickel plated, special quick action, 2¾ in. double convex lens, height 6¼ in., carbide capacity 5 oz., burns 6 to 7 hours, w't per doz. 24 lbs., per dozen .....**BEBJ** $42.00

ACETYLENE GAS.



No. 3—Old Sol, made of specially prepared brass, full nickel plated, height over all 7 in., diam. of door 4 in., diam. of reflector 3 in., carbide capacity 6 oz., lighting efficiency about 100 candle power, complete with generator and "O" branchet as illustrated, w't per doz. 24 lbs.....per dozen **BHHJ** $48.00



No. 217G— Columbia, brass, full nickel plated, automatic water feed controlled by gas pressure, gas cock regulates the light, jewel side lights, 2½ in. double convex lens, height 5¼ in., w't per doz. 23½ lbs., per dozen.....**BHHJ** $48.00



No. 218—Solar, brass, full nickel plated, new patent valve, turns on or off, both gas and water, produces a light that projects 100 ft., 1½ in. jewel side lights, 1½ in. reflector, height 7 in., 2½ in. lens, w't per doz. 25½ lbs.....per dozen **CADE** $52.40

Case lot of 36, w't per case 941½ lbs., per dozen.....**BIIJ** $49.80

ACETYLENE GAS.



No. 219—Solar, driving, heavy brass, full nickel plated, new patent valve turns on or off, both gas and water, produces a powerful light, ½ in. ruby and green side lights, 2 in. removable aluminum reflector, 2½ in. double convex lens, w't per doz. 30 lbs., per dozen .....**CBDJ** $54.00
Bracket is constructed so that lamp can be attached to either side or top of the dash board, suitable for horse-driven vehicles. Burns five hours and is especially recommended for physicians' use.
ONE IN A BOX INCLUDING BRACKET.

BETO GAS.



No. 10A—Heavy gauge brass, nickel plated, height 5¼ in., aluminum reflector, 3⅛ in. dome lens, fish tail burner, 2½ hours carbide capacity, w't per doz. 9 lbs., per dozen .....**AGBE** $28.80
ONE IN A BOX.

GENERATORS.



No. 5—New type, double clamp, coupling bottom portion to top, may be readily separated for cleaning and quickly reassembled, fitted with sifting carbide chamber, allowing ashes to fall below, capacity 12 oz. carbide, producing 3¼ ft. of gas, enough to run lamp No. 1 about 9 hours, and lamp No. 8 about 6 hours at full candle power, giving a steady flow of clean cool gas, height 8½ in., diam. 3¼ in., without brackets, w't per doz. 24 lbs., per dozen .....**CFJJ** $60.00
ONE IN A BOX.

BICYCLE AND MOTORCYCLE LAMPS, ETC.

MOTORCYCLE LAMPS.



No. 1—Old Sol, heavy gauge brass, full nickel plated and polished, adjustable focus, powerful lens, mirror reflector, burner ⅜ ft. size, diam. of door 6¾ in., diam. of body 4¾ in., diam. of mirror lens 4 in., depth of body 4 in., lighting efficiency about 400 candle power, without brackets, w't per doz. 36 lbs. .....per dozen **DAJE** $68.40



No. 2—Old Sol, equipped with rear socket for bracket instead of side props, w't per doz. 36 lbs., otherwise same as No. 1 Old Sol,
per dozen .....**DAJE** $68.40



No. 17—"Old Sol," heavy gauge brass drawn from one piece of metal, door frame of special beaded construction, set upon ball pin hinges, diam. of door 7 in., diam. of lens 5 in., 1000 candle power, without brackets, w't per doz. 36 lbs.,
per dozen .....**EBHJ** $88.08

Has special German lava burners, automobile type, heavy double thick door glasses, and specially ground Mangin mirror lenses.



No. 16—Old Sol, equipped with rear socket for bracket instead of side props, w't per doz. 36 lbs., otherwise same as No. 17 Old Sol,
per dozen .....**EBHJ** $88.08
ONE IN A BOX.

MOTORCYCLE LAMPS.



No. 8—Old Sol, heavy gauge brass, full nickel plated and polished, adjustable focus, height over all 9 in., diam. of door 8½ in., diam. of lens 6 in., total depth 6¼ in., lighting capacity about 1500 candle power, without brackets, w't per doz. 60 lbs.,
per dozen .....**JFBCE** $103.92

A large handsome lamp for the highest powered and fastest machines. The most intense and greatest candle power lamp yet devised for motorcycles and equipped with the celebrated Mangin mirror lenses.

CARBIDE BURNERS.

No. 2—Fish tail flame, for lamps using large size lava tips, fits all standard bicycle lamps,
per dozen.....**JFJ** $1.00
LOOSE.



MOTORCYCLE LAMP BURNERS.



Alco Hexo, nickel plated brass base, made in ⅛, ¼, ⅜ and ½ ft. gas consumption, fits all standard motorcycle lamps, the highest candle powered burner made,
per dozen...**BAJ** $3.50



Alco Cyco, for motorcycle lamps, fits ⅛, ¼, ⅜ and ½ ft. gas sizes,
per dozen, **AHJ** $3.00

A cheaper and very popular style.

LAMP BRACKETS.



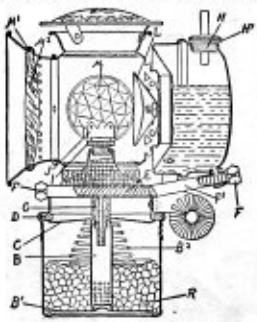
No. 7—Steel, full nickel plated, felt lined, for 1¼ to 1½ in. head, w't per doz. 1¾ lbs.,
per dozen, **JHE** $1.40
These brackets are very strong, finely finished and will fit any standard made lamp.

LAMP BRACKETS.



No. 9G—Extension, nickel plated steel, clamps on any handle bar, fits any make gas lamp, w't per doz. 2½ lbs.,
per dozen.....**BAJ** $3.50

REPAIRS FOR No. 218 SOLAR ACETYLENE GAS LAMPS.

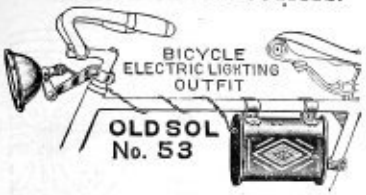


KEY LETTER.	NAME OF PART.	PER DOZEN.
B—Screen tube		$1.92
B1—Screen tube plate		1.92
B2—Carbide spring		1.92
C—Washer Plate		.96
C1—Washer plate nut		.96
D—Rubber washer		.96
E—Fibre wick		.96
F—Wick tube cap		.96
F1—Wick tube		1.92
G—Water valve		7.68
G1—Water valve washer and nut		.96
H—Filler cap		1.92
H1—Filler cap washer		.48
I—Tip holder		1.92
J—Tip		1.92
K—Ratchet screw		2.88
L—Reflector		1.92
M—Jewel—red or green		2.88
M1—Lens doors		3.84
M2—Lens		4.80
N—Bracket complete		11.52
O—Bracket side R. H.		2.88
O1—Bracket side L. H.		2.88
P—Clamp thumb screw		2.88
Q—Clamp thumb screw nut		.96
R—Carbide tank		7.68
S—Ratchet screw thumb nut		.96
T—Pivot bolt		1.92
U—Pivolt bolt nut		.96
V—Ratchet arm		2.88
W—Bracket lining		.96

In ordering repair parts, please refer to cross section cut and key letters.

BICYCLE AND BUGGY LAMPS.

ELECTRIC LIGHTING OUTFITS.

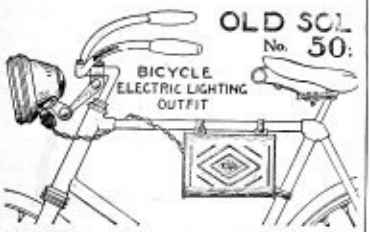


For Bicycles.

No. 53—Old Sol, one piece metal, nickel plated with 5 in. bell, Parabola reflector, highly polished, heavy, double thick removable front glass, Tungsten bulb, double contact Ediswan base, 2.8 volt, 2 c. p., equipped with extra long head bracket, black japan finish, attaches to handle bar, battery box arranged for 2 round dry cells constructed from steel, black finish, attaches to bicycle frame by two top clamps and one rear strap, removable end of box towards handle bars, box has secret lock, complete with cord and battery case, no batteries, w't per doz. 12 lbs. .....each **AHJ** $3.00

Gives a powerful bright light, uses two ordinary round dry batterics.

ONE IN A PASTEBOARD BOX.



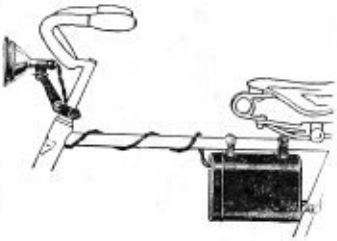
For Motorcycles and Bicycles, with Red Rear Signal.

No. 50—Old Sol, torpedo type, nickel plated with 4 in. removable front door and red rear signal in back of lamp, heavy, thick glass in front door, silver parabola reflector, Tungsten bulb, single contact Ediswan base, 2.8 volt, 2 c. p. single contact, battery box arranged for two ordinary dry cells, constructed from steel, black japan equipped with two top bar and one rear bar strap, preventing box from swinging on wheel, No. 0 bracket is attached to head of bicycle as shown in cut, complete with two brackets, battery cord and battery box, no battery, w't per doz. 12 lbs., each **BDJ** $4.00

Removable end towards handle bar with secret lock provides for easy replacement of batteries. Equipped with two brackets, "MF" forkside bracket to fasten lamp to front fork of either bicycle or motorcycle, enabling rider to obtain benefit of rear red signal.

ONE IN A PASTEBOARD BOX.

ELECTRIC BICYCLE OUTFITS.



No. 300—Operates on any two ordinary round dry cells, outfit consists of steel battery box with removable lid, finished in black japan baked on, box is insulated at end to prevent short circuiting, clips are riveted to box and three heavy leather straps are used to attach box to bicycle under seat as illustrated, from battery box extends 24 in. of weather proof cable, running to nickel plated electric head lamp, 4¼ in. in diameter, which is fitted with switch, turn light on or off at will, head lamp has glass front to protect electric bulb and keep parabolic automobile type reflector from losing high polished finish, an adjustable bracket is furnished to fit lamp to any machine, complete with battery case—no batteries—w't per doz. 18 lbs., per dozen .....**ABIE** $21.60

We recommend our No. 700-E RAYBNIC Dry Batteries.

ONE IN A BOX.

BICYCLE ELECTRIC HEAD-LIGHTS.

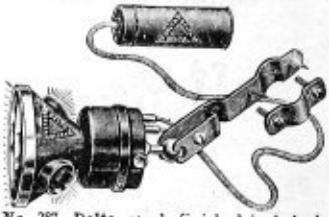


No. 298—Reliable, detachable, one ordinary dry battery, outfit consists of headlight of drawn steel, fitted with Tungsten bulb and high grade lens, excellent reflector, battery container of black enameled steel, weatherproof, complete, without battery, w't per doz. 18 lbs. ....per dozen **AFEJ** $32.40

Controlled by small screw switch. Gives cheapest, brightest and best light, saves dirt, smell, heat and bother of oil or gas lamps. Battery same as used on doorbells, telephones, etc.

ONE IN A BOX.

ELECTRIC BUGGY LAMPS.

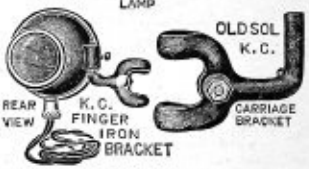


No. 287—Delta, steel, finished in baked black enamel, 2¼ in. front lens, extra powerful reflector and arranged to give white light ahead and red from both sides and the rear, operates on one ordinary dry cell, complete with battery case, swivel bracket, cord, no battery, w't per doz. 20 lbs.,
each .....**AEJ** $2.50

Recent legislation in many states requires buggies and carriages to have lights. In addition to the law requirements, the use of buggy lamps is becoming quite essential on account of numerous automobile collisions with buggies. Traffic regulations usually require a light on left side of a buggy only, but this lamp can be attached to both sides in case two are wanted.

ONE IN A PASTEBOARD BOX.





No. 45-G—Old Sol, steel, body enameled black, door frame is brass, nickel plated and highly polished, door is removable from lamp body, lamp globe is fastened through the center of the parabola reflector, silver reflector parabola shape projects powerful light from 2 candle power globe focusing tungsten filament, perforations in reflector allow sufficient light to illuminate rear red jewel, diameter of door frame 4¼ in., depth of lamp 3¾ in., bracket lug designed for regular buggy bracket also all standard brackets and carriage finger irons, lamp operated by four ordinary round dry cells—single contact—4 volt lamp Ediswan base, complete with 3½ ft. double wires, for right or left hand side of buggy, without bracket or batteries, w't each 1 lb., each .....**AHJ** $3.00

We furnish lamp for left side of buggy unless otherwise specified.

ONE IN A BOX.

BRACKETS.

K. C. .....per pair **JEJ** $0.80

BRACKETS, MOTORCYCLE STANDS, ETC.

MOTORCYCLE LAMP BRACKETS.



No. 44—Regular standard bracket for motorcycle light, made of cold rolled steel, 15-32 in. diameter, clamps of stamped cold rolled steel, nickel plated and polished, clamps have wide range of adjustment, taking a tube of ⅞ to 1⅛ in., by bending a trifle will take up to 1¼ in. tubing, w't per doz. pr. 12 lbs., per dozen pairs .....**CFJ** $6.00

For Old Sol and other lamps.



No. 46—With clamps as shown in cut, otherwise same as No. 44, w't per doz. pr. 12 lbs., per dozen pairs **CFJ** $6.00



No. 48—Expressly designed for the Excelsior machine, fits on the front braces, extending in a sloping way, forward from handle bar, made of same quality steel as Nos. 44 and 46, w't per doz. prs. 15 lbs., per dozen pairs .....**EGE** $9.60

For Old Sold and other lamps.

REPAIR FORKS.



These repair forks are made to fit any size bicycle, 20, 22 or 24 in. frame. They are made of the best steel tubing, carefully constructed and very strong, they are brazed and filled but not enameled, stems 9 in. long, 1 in. diameter, threaded 24 thread for 5 in. supplied in two finishes.

No. 15—Plain, not enameled, each .....**AAJ** $1.80

No. 16—Nickel plated finish, can be used on any bicycle, each .....**AFJ** $2.70

REPAIR HANGERS.



The Stevens repair hanger is the only crank-hanger that will absolutely fit every size bracket. The material is of highest quality and the workmanship and finish perfect. Will replace any hanger made.

No. 2—Stevens, drop forged from carbon steel, shaft and one crank are one piece, the other has thread to screw on end of shaft, will fit every size bracket, tool steel cones, 24, 26x⅞ in. sprocket adapted to ½ in. chain, heavily nickel plated and highly polished throughout, w't 2½ lbs. .....each **BGJ** $4.50

TRUSS ATTACHMENTS FOR BICYCLES.



No. 14—Consists of two ⅜ in. steel truss rods with braces attached, four ⅜ in. x 24 thread nuts and extension head set washers with holes for tops of rods, w't each 1¾ lbs.....each **ABJ** $2.00

Make a Motor Bike out of Your Bicycle.

The truss attachment for the front fork of bicycles will give a motorlike appearance as well as reinforcing the fork. It can be quickly attached to any bicycle as follows: Take off handle bar, lock nut and washer, put on extension head washer and lock nut, put truss rods through eye washer and spring over axle. Cut ¼ in. above eye washer; file off burr; use ¼x24 in. die; run thread ⅞ in. long; screw on nut, put truss through eye washer and spring over axle. Put on axle nut; Adjust top nuts to proper tension.

We do not fit these forks to our bicycles.

ONE IN A PACKAGE.

MOTORCYCLE STANDS.



No. 300—Quick Action, steel, firmly riveted, height 17 in., fits any motorcycle, when folded is attached to bracket on the end of mud guard, w't 3¼ lbs., each **BAE** $3.60

Protects the machine in rear from collision and is entirely out of the way when folded.

QUICK ACTION BICYCLE STANDS.



Can be fitted in two minutes to any bicycle whether with mud guards or not. No drilling of holes, no marring of enamel, no tools, but a wrench needed to fit.

It can be used as a display stand.

Motorcycle Pattern, made of drop forged channel steel, w't 24 lbs., per dozen.. $16.80 **AJAJ**

MUD GUARDS.



No. 555—Heavy sheet steel, raised centers, enameled black, nickel plated braces on front and rear, front guard 24 in. long, rear 46 in. long, w't per pr. 2 lbs., ...per pair **EJ** $0.80

LOOSE.

MUD GUARD BRACES.



No. 16—Flat, with riveted ends, otherwise same as No. 15, per dozen .....**ABJ** $2.00



No. 20—Double folding, adjustable and can be used on front or rear guards, cold rolled steel, nickel plated, per dozen .....**BAJ** $3.50

STANDS, LUGGAGE AND BASKET CARRIERS.

EXHIBITION STANDS.



No. 697—Myers, frame is of aluminum, finished spring steel, 15 in. high, spread 16½ in., adjustable, well braced, strong, practical and durable, w't per doz. 48 lbs., per dozen **JGBE** $12.00

This stand is designed to assist the salesman in showing up his wheel. It is attached to nuts on outside of rear wheel. When the wheel is exhibited to a customer it can be placed to the best advantage, and leaves the salesman free to show up all working parts without being hampered by having to hold the wheel. It enables the customer to mount the wheel and try it.



No. 784 — Myers, made entirely of spring steel, finished in aluminum, will hold 8 bicycles, has a swinging sign, finished ready for your own name or lettering, and is very attractive for use in front of a store, height 41 in. width 22½ in., w't per doz. 264 lbs., per dozen .....**CBDJ** $54.00

LOOSE.

LUGGAGE CARRIERS.



No. 100 No. 101.

No. 100—14x7¾ in., heavy steel, black enameled, very strong and durable, w't per doz. 18 lbs., per dozen ..... **EAJ** $8.50

No. 101—15½x7¾ in., a heavier carrier than No. 100, will carry 150 lbs., black enameled machine steel, w't per doz. 24 lbs., per dozen.....**EDJ** $9.00

LUGGAGE CARRIERS.



No. 444—Bicycle (a better carrier for the particular trade) made of ⅛ in. cold rolled flat wire steel, black enameled, furnished with clamps for attachment, per dozen.....**DEJ** $7.50



No. 666—**"Husky"** Bicycle Carrier, is one that will stand the roughest heavy service, made of cold rolled steel, black enameled. Attached to the rear axle only, but with adjustable rear stay clamps, w't per doz. 15 lbs., per dozen.....**EGE** $9.60

PACKED ONE IN A HEAVY ENVELOPE.



No. 575—Spring Carrier with foot rests. Absolutely new departure in bicycle carrier design. As comfortable to ride on as any bicycle saddle and very serviceable for carrying delicate luggage, as it takes up the road shocks, black enamel—furnished complete as shown with a pair of axle extension mats, w't per doz. 36 lbs., per dozen.....**AIEJ** $32.50

PACKED ONE IN A STRONG BOX.



Simplex, 1¼ x⅝ in. black enameled machine steel throughout with three ¼ in. steel cross bars turned to a shoulder of 3/16 in. on each end, and riveted through the frame itself, insuring rigidity and strength, eliminating all rattle, side play and jolts, w't per doz. 18 lbs., per dozen .....**JFJJ** $10.00

Three dozen lots, per dozen **EDJ** 9.00



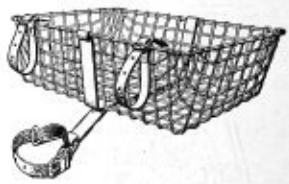
No. 200—11x12x6 in., made of heavy high grade steel, adjustable, w't per doz. 24 lbs.....per dozen **JGEJ** $12.50

No. 400—11½x18x6 in., made of heavy high grade steel, adjustable, w't per doz. 38 lbs.....per dozen **JICJ** $15.50

These carriers are adjustable so that they will fit any handle bar.

The No. 300 is adapted for grocers and butchers, and will hold any ordinary market basket.

ANDROCK LUGGAGE CARRIERS.



No. 1461—**Androck,** 10x15x4¾ in., heavy tinned steel wire, fastened securely to the wheel by strong leather straps, w't per doz. 21 lbs., per dozen.....**EDJ** $9.00

No. 1460—**Androck,** 8x13x4¾ in., heavy tinned steel wire, otherwise same as No. 1461, w't per doz. 18 lbs., per dozen.....**DHJ** $8.00

A large roomy basket, strong enough to stand up under the roughest usage, will not scratch the enamel or nickel or jar loose from the wheel, adjustable to any length head. Just the basket for delivering small packages.

Both carriers are perfectly adapted to any use where a bicycle carrier is required.



No. 85—**Weber's,** 16½x14 in. band iron, black enameled finish, can be used on either front or rear wheel, w't per doz. 54 lbs., per dozen **AIHJ** $33.00

Especially designed for delivery purposes.

LOOSE.

WIRE BASKET CARRIERS.



No. 81—**Majestic,** 12x6 in., black enameled, heavy steel frame and two braces which are fastened to rear fork of bicycle, very strong, with straps, w't per doz. 15½ lbs., per dozen.....**JGBJ** $12.00

These carriers can be used to a great advantage. Any article can be tied or fastened on and carried in an easy manner.

LOOSE.

CARRIERS, ETC., CARBIDE AND HORNS.

MUSSELMAN PARCEL CARRIERS.



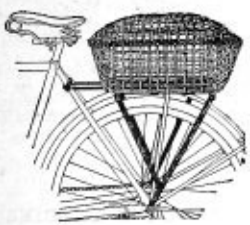
Wire Around Top ¼ in. Steel, Side Wires 14 Gauge, Weight Complete About 8 Pounds.

No. 168—Large size basket, each basket 16x8 in. at top, 11x5½ in. at bottom, 13 in. deep, without saddle, per dozen .....**DGIJ** $78.00

No. 128—Small size basket, each basket 12 x8 in. at top, 7x5½ in. at bottom, 13 in. deep, without saddle, per dozen .....**DEJJ** $75.00

A perfect parcel carrier, capable of carrying any load a bicycle can sustain. Clamped on by use of an ordinary bicycle saddle clamp; easily attached.

PACKAGE CARRIERS.



No. 247—Androck, strong, roomy, whaleback cover, 1 in. woven tinned wire, 18x13x6 in. deep, cover 3 in. deep in middle, w't per doz. 72 lbs., per dozen .....**AFBJ** $27.00

The luggage carrier, finished in durable black, may be used without basket if so desired, the platform is 9x12 in.

The basket is bolted securely to a powerful steel luggage carrier. This combination makes an ideal rig for the butcher, grocer, or any one who has packages that can be delivered on a bicycle. It bolts tight on the bicycle so the vibration cannot shake it loose.

The basket can be locked with a small padlock, but same is not furnished with carrier.

LOOSE.

WIRE BASKETS.



No. 1—Dow's, made of wire, with stationary hook, size 9x5½x5 in., w't per doz. 7 lbs. .....per dozen **CAJ** $5.20
No. 2—Dow's, made of wire, with adjustable hook, size 12x7x6 in., w't per doz. 12 lbs.....per dozen **DFJ** $7.70
No. 3—Dow's, made of wire, with adjustable hook, size 15x8x7 in., w't per doz. 16 lbs.....per dozen **JFBJ** $10.30

LOOSE.

CHILDREN'S SEATS.



Fairy, nickel plated and polished steel rods, rubber covered at contact points, a veneered wood seat and handle, w't per doz. 24 lbs., per doz. **AAEJ** $19.20

Fits ladies' or gentlemen's wheel; secured in place by one buckle; perfectly safe for babies or child several years old.

LOOSE.



Brownie, steel rod, nickel plated and polished, rubber covered at contact points, can be quickly attached securely to the bicycle without the aid of clamps, bolts or straps, veneered board seat, leather saddle, w't per doz. 60 lbs. ....per dozen **AIDE** $32.40

Adapted to carry babies, or children eight years old. Fits all modern bicycles except drop frames.

ONE-SIXTH DOZEN IN A BOX.

SPRING FORKS.



Majestic, double ball bearing, quickly applied to any machine, per set of two .....**AHJ** $3.00

BELT DRILLS.



No. 5—Made of aluminum bronze, with drills of best quality.....each★ **CE** $0.60

Holes made in "V" belts with hand punches are larger at one end than the other, are seldom true, and tear out. These drills take any size belts and cut a clean, straight hole.

State size of belt when ordering drill.

★*FOR FACTORY SHIPMENT ONLY.*

UNION CARBIDE.



2 lb. Cans, ½ in. size only, per can.....**BJ** $0.32
10 lb. Cans, 1 in. size only, per can.....**JHE** 1.40
2 lb. Cans, ½ in. size only (24 cans in a case).....per case **DCJ** $7.20
10 lb. Cans, ½ or 1 in. size (6 in a case).....per case **DGJ** $7.80

2 lb. cans contain ½ in. size only.
10 lb. cans contain ½ or 1 in.



100 lb. Drums. 100 lb. Drums.

"Automobile," especially selected and adapted for use in automobile generators.....per 100 lbs. **DEJ** $8.00
"Miner's Lamp," especially selected and adapted for use in portable miner's lamps.....per 100 lbs. **DEJ** $8.00

Union carbide is now always packed in gray drums striped with blue. This colored package has been adopted for the protection of carbide users.

The above will be the only sizes of carbide that we shall carry in stock. We will not carry carbide for house generators.

100 LB. DRUMS.
CANNOT BE FURNISHED IN ½ OR 1 IN.

BICYCLE HORNS.



Pure Rubber Bulb, with Bracket to Fasten on Handle Bar.

No. 11G—All brass, 6 in. long, w't per doz. 2 lbs.....per dozen **CFJ** $6.00
No. 22G—Full nickel plated, 8 in. long, w't per doz. 3 lbs., per dozen.....**EGE** $9.60



No. 2G—8½ in. long, pure rubber bulb, nickel plated, w't per doz. 3 lbs., per dozen.....**AAEJ** $19.20

ONE DOZEN IN A BOX.

HORNS, WHISTLES, PISTOLS AND ALARMS.

MOTORCYCLE HORNS.



No. 333—Samson "Tiger," hand operated, all black, heavy steel, nothing to get out of order, a slight turn of the handle in either direction gives a loud alarm, no wires or batteries to operate, ready for use as soon as fastened to handle bar by clamp, length 6¼ in., bell 3¼ in., w't each 3 lbs. .....each **CJJ** $5.00

ONE IN A BOX.



Stewart, Hand Operated, Finished in Black Enamel with Nickel Plated Bell, Complete with Brackets to Attach to Handle Bar or Frame. Illustration Shows Horn Fitted with Bracket for Either Frame or Handle Bar. W't Each 4 Pounds.

No. 115-A—Each .....**CJJ** $5.00

No. 115-E—With specially made brackets for Harley-Davidson Motorcycles, each .....**CJJ** $5.00

One slight pressure on the plunger produces a long, loud warning. Gears are steel, case-hardened and mounted on shafts, each end of which runs in a hardened steel bushing. This insures long, continuous service.

ONE IN A SUBSTANTIAL WOOD BOX.

LIQUID PISTOLS.



No. 8-G—Daisy, length 5½ in., steel, blued finish, simple to load and discharge, no rubber bulb to get out of order, w't per doz. 4 lbs., per dozen .....**BDJ** $4.00

Designed after the latest automatic pistol and would readily be taken for one.

Will throw a fine stream of water a distance of 25 feet. When filled with ammonia diluted with water it makes a very effective weapon against vicious dogs.

ONE IN A CARTON.

LIQUID PISTOLS.



No. 5G—Sokum, white metal, nickeled, recharges and fires by pressure on the bulb, w't per doz 6 lbs., per dozen, **BGJ** $4.50



No. 1G—U. S. A., fires over 20 shots in one loading, fires and recharges by pulling trigger, polished nickel, 5 in. long, w't per doz. 6¼ lbs., per dozen.....**CJJ** $5.00

No. 2G—Rubber Holsters, for U. S. A. pistols, w't per doz. 1 lb., per dozen.....**FJ** $0.95



No. 3G—Wizard, fires over 20 shots with one loading, polished nickeled metal, 5¼ in. long, w't per doz. 7 lbs.....per dozen **CJJ** $5.00

ONE IN A BOX; ONE DOZEN IN A CARTON.

Extra Bulbs.

Extra bulbs for 1G and 3G, per dozen.....**ABJ** $2.00

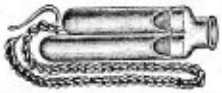
WHISTLES.



Universal, Nickel Plated, Two Tubes, Giving a Very Deep Tone.

No. 12—10 in. chain, length of tubes and mouthpiece 2½ in., w't per doz. ½ lb., per dozen .....**AHJ** $3.00

No. 11—Large size, length 3½ in., with 11 in. chain, w't per doz. ⅝ lb., per dozen.....**BJE** $3.40



No. 72—Duplex, nickel plated, two tubes, deep penetrating blast, with 10 in. chain, w't per doz. ⅜ lb., per dozen.....**AHJ** $3.00

WHISTLES.



No. 16—Echo, nickel plated bowl and mouthpiece, with ring to fasten on chain, w't per doz. ½ lb., per dozen .....**AEJ** $1.50

ONE DOZEN IN A BOX.

SIREN ALARMS.



No. 53—High grade stamped steel frame, highly polished, outer drums of polished brass, nickel plated, ball bearing shaft with heavy fibre roller which runs on tire, being practically indestructible, chain attachment, screen pressed in, all parts interchangeable, w't per doz. 15 lbs., per dozen .....**JGBJ** $12.00

A Siren will clear the road farther ahead and clear it more quickly than any other alarm made. A heavy chain attached one end to a lever on the siren and the other to the handle-bar, is pulled with the thumb. This brings the roller in contact with the front tire and the alarm gives forth a whistle melodious yet of great intensity. The interior drum revolves on double ball bearings running on cones and cups case hardened, ground and polished. These are adjustable for wear.

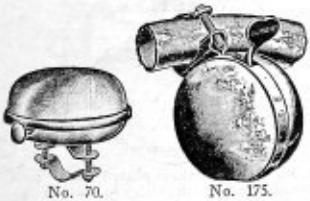
TWO IN A BOX.



No. 54—Sandow Siren tire bell, nickel plated steel, attached to front fork of bicycle, operated by a cord fastened to the handle bars, by pulling cord the fly wheel is brought in touch with the tire causing interior drum of bell to revolve, giving a loud penetrating alarm, w't per doz. 15 lbs.....per dozen **DEJ** $7.50

ONE-THIRD DOZEN IN A CARTON.

BICYCLE BELLS



No. 70. No. 175.

No. 70 REVONOC—2¼ in., nickel plated and polished, wrought steel gong, bevel beading, push button, continuous alarm, w't per doz., 6½ lbs., per dozen .....**CFJ** $6.00

No. 175 REVONOC—**Scorcher,** 2¼ in., nickel plated rotary alarm, bell metal gong, w't per doz. 8½ lbs., per dozen .....**JFIJ** $11.50



No. 45. No. 140.

No. 45 REVONOC—2½ in., fancy top, nickel plated, two wrought gongs of different tone, producing a loud alarm, w't per doz. 4½ lbs., per dozen .....**BDJ** $4.00

No. 140 REVONOC—2 in., nickel plated electric rotary alarm, *bell metal gong,* handsomely ornamented with fleur-de-lis design, bevel bead, w't per doz. 6 lbs....per dozen **CJJ** $5.00



No. 125. No. 25.

Nickel Plated and Polished, Rotary Electric Alarm.

No. 125 REVONOC—2 in., bevel beaded wrought steel, w't per doz. 2½ lbs., per dozen .....**AEE** $2.60

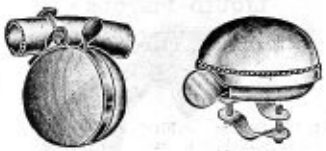
No. 135 REVONOC—2¼ in., bevel beaded wrought steel gong, w't per doz. 3¼ lbs. .....per dozen **AFJ** $2.70

No. 25 REVONOC—1¾ in., bevel beaded bell metal gong, loud tone, w't per doz. 3 lbs. .....per dozen **BBJ** $3.70



No. 185—Bronko, 3 in., nickel plated and polished bell metal gong, rotary electric alarm, operated by a lever, fastened to handle bar by lock clamp, w't per doz. 8 lbs., per dozen ..... **JGBJ** $12.00

NOS. 175 AND 185 ONE; BALANCE, ONE DOZEN IN A BOX.



No. 65. No. 160.

No. 65 REVONOC—2½ in., heavily nickel plated and polished, wrought steel continuous ringing chime, rotary electric alarm, alarm continues during forward and backward action of the lever, w't per doz. 6½ lbs., per dozen .....**DEJ** $7.50

No. 160 REVONOC—2¼ in. bell, nickel plated with bevel and rope beading, bell metal gong, rich clear tone, rotary electric mechanism operated by lever, w't per doz. 6½ lbs., per dozen .....**CHJ** $6.30

ONE DOZEN IN A BOX.

MASCOT BELL ASSORTMENT.



No. 3—Consists of six handsome 2½ in. bells decorated in brilliant colors with unique mascot designs, flat top steel gongs electrically welded to hub of bell, tone unusually pure and free from clatter, two bells each of the following—Boy Scout, Pocahontas, horse, dog, Grecian and Scroll designs, w't per ass't 4 lbs., per assortment .....**BDJ** $4.00

Any one of the bells can be sold independently of assortment. Bells individually boxed in a container.



High Grade Multiple Tone Chime, Bell Metal Gongs.

Nos.	30-CG	34-CG	35-CG
Diam., in.	3	2¾	2¾
W't doz., lbs...	8	7½	7
Per dozen	$26.70	17.00	13.50
	AFJJ	**AJBJ**	**JHAJ**

The hammer strikes the gong many times at one stroke of the lever producing a loud alarm in chime effect.

No. 30CG is particularly adapted for motorcycles.

CHIME ASSORTMENT.



No. 2—Consisting of 12 bells, 1 each No. 35-C, Leader Scorcher, Leader Chime, No. 332½-B, No. 312½, Leader Fancy, 2⅛ in. Serpent design from "Zoo" line, No. 433, Leader Plain 2½ in. and three Leader Plain 2¼ in., w't per ass't 5¼ lbs., per ass't **CFJ** $6.00

Chime assortment consists of the ten best sellers in the New Departure line. Three of these are multiple stroke, chime bells. The line also comprises push-button as well as rotary lever bells.

ONE ASSORTMENT IN A CONTAINER.

HUBS, AXLES, COASTER BRAKES AND PARTS.

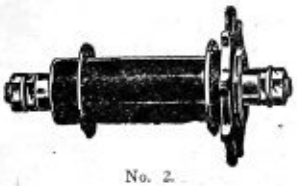
HUBS.



No. 16—Front reduced center, turned from bar steel, all bearings made of tool steel, drilled, 32 holes, w't ¾ lb. ..... each **EE** $0.90



No. 26—Rear reduced center, turned from bar steel, all bearings made of tool steel, drilled, 36 holes, w't 1 lb. ..... each **ABJ** $2.00



No. 2.

No. 1—Front, tubular drilled, 32 holes, each ..... **DJ** $0.70

No. 2—Rear, tubular drilled, 36 holes, each ..... **JGJ** $1.20

BICYCLE AXLES.



No. 10—Front, ⅜ in., 24 and 26 threads, w't per doz. 12 oz., per dozen **CJ** $0.48

No. 15—Rear, ⅜ in., 24 threads, w't per doz. 1¼ lbs.....per dozen **CE** $0.60

AXLE SETS.



White Nickel Finish.

No. 1—Front, 5-16 in., fitted with quick action cones, nuts and washers, w't per doz. 2 lbs., per dozen **ADE** $2.40

No. 2—Rear, ¾ in., fitted with quick action cones, nuts, and washers, w't per doz. 3½ lbs., per doz. **AEJ** $2.50

For repair work—easily adjusted.

COASTER BRAKES.



No. 5—Corbin Duplex, model 8, 36 spokes, ⅞ in. sprocket, 9 tooth, w't 2½ lbs.....each **CIJ** $6.50

No. 4—Corbin Duplex, for juvenile bicycles, 28 spokes, ⅞ in. sprocket, 9 tooth, w't 2 lbs.....each **CIJ** $6.50

COASTER BRAKE PARTS.



Price List of Parts for Model 8.

No. 2—Small ball retainer for adjusting cone, including balls, each	**AC**	$0.22
No. 8—Sprocket lock nut, each	**AG**	.28
No. 9—Right slide adjusting cone, each	**BB**	.36
No. 10—Axle washer, per pair	**JE**	.08
No. 11—Axle nut....per pair	**JE**	.08
No. 13—Dust cap.....per pair	**JH**	.14
No. 14—Large ball retainer, including balls ..... each	**AG**	$0.28
No. 15—Sprockets, 7, 8, 9, 10, each	**AG**	.28
No. 15—Sprockets, 11 and 14, each★	**CE**	.56
No. 15—Sprockets, 16★..each	**DB**	.70
No. 18—Bushings.....each	**AG**	.28
No. 19—Axle.....each	**AG**	.28
No. 20—Band connecting brake arm to frame, including bolt and nut, each	**JH**	$0.14
No. 22—Brake shoes..per pair	**BE**	.40
No. 23—Brake shoe levers, per set	**JH**	.14
No. 24—Brake shoe springs, per set of 4	**JH**	.14
No. 28—Braking clutch..each	**DB**	.70
No. 45—Driver.....each	**JFJ**	1.00
No. 46—Driving clutch..each	**DB**	.70
No. 47—Transfer sleeve..each	**JH**	.14
No. 48—Hub shell.....each	**ABE**	2.10
No. 107—Arm.....each	**BE**	.42
No. 108—Dust cap.....each	**AC**	.22
No. 110—Anchor plate★..each	**AG**	.28
No. 112—Anchor stud, per set	**JH**	.14

COASTER BRAKES.



No. 12—New Departure, model A, 36 spokes, ⅞ in. sprocket, 9 tooth, w't 2¼ lbs.....each **CIJ** $6.50

No. 22—New Departure, model A, for juvenile bicycles, 28 spokes, ⅞ in. sprockets, 9 tooth, w't 2 lbs., each .....**CIJ** $6.50

COASTER BRAKE PARTS.

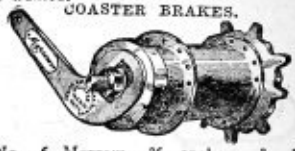


List of Parts for Model "A" New Departure.

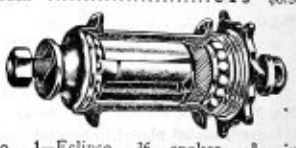
No. A1—Hub shell.....each	**ABE**	$2.10
No. A2—Driver.....each	**JFE**	1.05
No. A3—Clutch sleeve...each	**CE**	.56
No. A4—Axle.....each	**AG**	.28
No. A5—Sprocket set nut, each	**AG**	.28
No. A6—Brake clutch...each	**DJ**	.70
No. A7—Axle adjusting cone, each	**BJ**	.35
No. A8—Brake, complete, each	**JFE**	1.05
No. A9—Brake disc.....each	**CE**	.56
No. A10—Brake arm....each	**BE**	.42
No. A11—Clip, nut and bolt, per set	**JH**	.14
No. A12—Transfer sleeve, each	**JH**	.14
No. A21—Straight sprocket, each	**BE**	.40
No. A16—Large ball retainer, each	**AG**	.28
No. A20—Small ball retainer, each	**AB**	.21
No. A14—Axle washer, plain, per pair	**JE**	.08
No. A15—Socket washer, each	**JE**	.08
No. A13—Axle nut.....each	**JE**	.08

In ordering hub shell, always state number of spoke holes wanted. Also, precede the number of part with the letter designating the hub for which part is wanted.

COASTER BRAKES.



No. 6—Morrow, 36 spokes, ⅞ in. sprocket, 9 tooth, w't 2½ lbs., each .....**CIJ** $6.50



No. 1—Eclipse, 36 spokes, ⅞ in. sprocket, 9 tooth, w't 1¾ lbs., each .....**CIJ** $6.50

★*FOR FACTORY SHIPMENT ONLY. FACTORY, NEW BRITAIN, CONN.*

COASTER BRAKES, TOE CLIPS AND PEDALS.

TWO SPEED COASTER BRAKES.



No. 55—Corbin, high grade carbon, case-hardened steel, fits any bicycle having 1¾ or 1⅝ in. chain line, w't each 3 lbs. 10 oz. .....each **JHDJ** $14.00

This two speed hub allows an increase in power with less exertion and provides a greater degree of safety than the ordinary coaster brake. When riding at high speed, the drive is direct; when riding at low speed, the drive is changed by means of a clutch which permits the hub to revolve slower than the sprocket through a medium of direct gearing which increases the power four to three. The change from high to low speed (or vice versa) is made automatically and instantaneously without back pedaling, simply by applying or releasing pressure on the pedals.

ONE IN A BOX.

TOE CLIPS.



No. 1—Spring steel, nickel plated, w't per doz. prs. 1¼ lbs., per dozen pairs .....**JIJ** $1.60



No. 3.



No. 2.

No. 2—Thiem's, crucible steel wire, well braced, sheet metal foot rest, nickel plated, w't per doz. prs. 3¾ lbs., per dozen pairs .....**AEJ** $2.50

No. 3—Thiem's, crucible steel wire, well braced, nickel plated, w't per doz. prs. 2¼ lbs.....per dozen pairs **ABJ** $2.00

ONE DOZEN PAIRS IN A BOX.

TOE CLIPS.



No. 10—Spring steel, polished and nickel plated, round edges, w't per doz. prs. 2½ lbs., per doz. prs. **JIJ** $1.50

ONE DOZEN PAIRS IN A BOX.

BICYCLE PEDALS.



STANDARD, Extra Quality, Full Polished.

	Per pair	Doz. lots Per pair
No. 0 — Men's rat trap, w't per pr. 14 oz. .....**DB**	$0.70	**CF** $0.60
No. CO — Women's, combination, with pedal rubbers, w't per pr. 16 oz. .....**EE**	.90	**DH** .80



STANDARD, Heavily Nickel Plated and Polished.

	Per pair	Doz. lots Per pair
No. 1 — Men's rat trap, w't per pr. 14 oz. .....**JFJ**	$1.00	**EH** $0.96

BICYCLE PEDALS.



STANDARD, Juvenile, Nickel Plated and Polished.

	Per pair
No. J2 — Boys' rat trap, w't per pr. 10 oz. .....**JFJ**	$1.00
No. JC2—Girls' combination, with pedal rubbers, w't per pr. 12 oz. ..**JGB**	1.20



No. 4-RT—Hardened steel, nickel plated and polished, hardened steel pedal pin, standard thread, ½x20x$\frac{7}{8}$ in., side plates corrugated, ball bearing throughout, hardened cones, removable cap screw, slotted end, width of tread 3¾ in., w't per pair about 1¼ lbs., per pair .....**EE** $0.90

ONE PAIR IN A BOX.

PEDALS, PEDAL PARTS AND PUMPS.

BICYCLE PEDALS.



BRIDGEPORT, Heavily Nickel Plated and Polished, Very Strong.

	Per pair	Doz. lots Per pair
No. B2—Men's, rat trap, w't per pr. 14 oz. ..... **JGB**	$1.20	**JFE** $1.12



No. 42—Ideal, well made, polished finish, square rubbers, 3¾ in. wide, w't per pr. 2 lbs. .....per pair **JHE** $1.40



No. 52—Divided rubber, polished finish, 3¾ in. wide, w't per pr. 2 lbs., per pair ..... **AJJ** $1.70

ONE PAIR IN A BOX.



No. 4-PR—Wide tread, extra high grade rubber pedals, width 4 in., heavy steel, nickel plated and polished, cones and cups of hardened steel, ball bearing throughout, standard hardened pedal pin ½x20x⅞ in., worn out pedals can be easily removed and new ones attached, w't per pair 4 lbs., per pair ..... **JHE** $1.40



No. 5-PR—High grade rubber pedal, width 4 in., worn rubbers may be easily removed, ball bearing throughout, strongly made, standard thread, ½x20x⅞ in. hardened steel pedal pin, removable cap screw, screw end has slot for screw driver, w't per pair 2 lbs. .....per pair **JGJ** $1.20

ONE PAIR IN A BOX.

MOTORCYCLE PEDALS.



No. 3—Standard, ¾ in. steel axle, ball bearing, 5-32 in. balls, deep corrugated rubbers supported on square rod, gives firm foothold, dust caps are held in place by nuts, cannot jar loose, w't per pr. 20 oz. .....per pair **ABJ** $2.50

ONE PAIR IN A BOX.

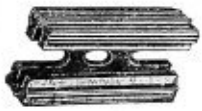


No. 22—Large size, square rubbers, highly polished, 4 in. wide, w't per pr. 2½ lbs. .....per pair **AAJ** $1.80

PEDAL RUBBERS.



Pedal Rubbers, for No. 42 Ideal pedals, per dozen rubbers ..... **JHE** $1.44



No. 14—Automatic, can be attached or detached at will, no screws to work loose, will fit almost any pedal, w't per doz. sets 1⅝ lbs., per dozen sets ..... **BDJ** $4.00

ONE PAIR IN A BOX.

MOTORCYCLE REPAIR PEDALS.



No. 200—One piece forged steel, can be applied in a few minutes, center corrugated to prevent the rider's foot from slipping sideways, w't 3 oz., each ..... **AD** $0.25

These are especially valuable in touring, endurance contests or road races.

PEDAL PARTS.

Pedal Axles—Pedal R and L.

For Nos. 0 and C0, 1, C1, B2, J2 and JC2, and S3 .....per dozen **ADE** $2.40

Caps.

For Nos. 0, 1, B2 and S3, per dozen ..... **JGJ** $1.20

Cones.

For Nos. 0, 1, and S3, per dozen ..... **DE** $0.72

Nuts.

For Nos. 0, 1, and 3, per doz. **AJ** $0.16

Washers.

For Nos. 0, 1 and 3, per dozen **AJ** $0.16

AUSTIN FRAME PUMPS



No. B20—Bicycle size, 10x⅞ in., complete with one clamp, w't per doz. 7½ lbs. .....per dozen **CIJ** $6.50



No. M100—Motorcycle size, 16x1 in., complete with two clamps, w't per doz. 15 lbs. .....per dozen **JGHJ** $13.00

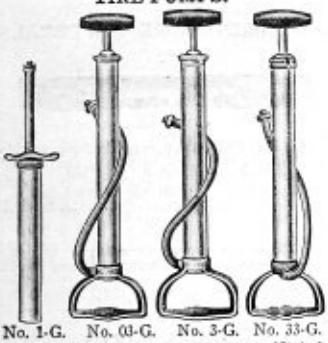
Extra Rubbers for same, per dozen ..... **JGJ** 1.20.

These pumps are different from the ordinary frame pump as they require no rubber tube connection, therefore can be attached instantly.

The pump is fitted with a rubber, in the end of the barrel, which is pushed over the valve when tire is to be inflated. Made of heavy gauge nickel plated brass.

TIRE PUMPS AND SUNDRIES.

TIRE PUMPS.



No. 1-G. No. 03-G. No. 3-G. No. 33-G.

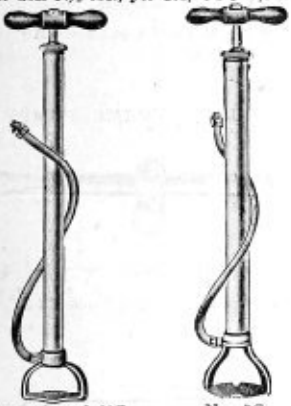
Seamless Brass Cylinder, Heavily Nickel Plated and Highly Polished, Complete with Rubber Hose and Connections.

No. 1G—Small hand brass pump, ⅜x5 in., swivel coupling, w't per doz. 1½ lbs. .....per dozen **ADJ** $2.30

No. 03-G—Cruso, 1⅛x12 in., cast stirrup, with red painted base fitted with swivel coupling, screw-off top, w't per doz. 13½ lbs...per dozenn **CDJ** $5.70

No. 3-G—Cruso, 1¼x12 in., swivel coupling, best rubber hose, cast stirrup, screw-off top, screws to base, w't per doz. 14 lbs.....per dozen **CFJ** $6.00

No. 33-G—Cruso, 1¼x12 in., seamless barrel, brass screw-off base and top, swivel coupling, best rubber hose, w't per doz. 14½ lbs., per doz. **CFJ** $6.00



Nos. 01G and 11G. No. 7G.

Nickel Plated, Large Black Finished Handle, Cast Base, Screw Off Cap, Good Quality Rubber Hose.

No. 01-G Reading—Seamless steel barrel, w't per doz. 24 lbs., per dozen .....**JEIE** $9.90

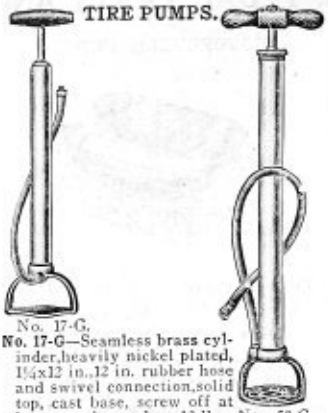
No. 11-G Reading—Seamless brass barrel, w't per doz. 24 lbs., per dozen .....**JGIJ** $13.20

No. 7-G—Floor pump, 1½x20 in., seamless steel barrel, highly polished, nickel plated, 25 in. high, fitted with 18 in. rubber connections and check valve, heavy cast base, screw off top, w't per doz. 48 lbs., per dozen .....**ABFE** $21.10

LOOSE.

IN TWELVE FOOT LENGTHS.

TIRE PUMPS.



No. 17-G. No. 50-G.

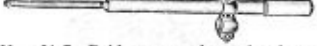
No. 17-G—Seamless brass cylinder,heavily nickel plated, 1¼x12 in.,12 in. rubber hose and swivel connection,solid top, cast base, screw off at bottom, w't per doz.. 13 lbs., per dozen .....**CFJ** $6.00

No. 50-G—Shop and pressure lamp pump fitted with special check valve to withstand back pressure, seamless brass tubing cylinder, polished and nickel plated, cylinder 1½x20 in., nickel plated, heavy cast brass, w't per doz 5 lbs., per dozen .....**ADIJ** $24.80



No. 15-G—Cyclone Lever, 3x6 in., plated brass cylinder, cast iron japanned frame and base, very best rubber hose, swivel coupling, very powerful and especi a l l y adapted for bicycle and repair shops, w't per doz. 120 lbs. .....per dozen **DCBJ** $72.00

LOOSE.



No. 34-G—Bridgeport telescopic, brass nickel plated and polished, length folded 10¾ in., cylinder ⅞x9¾ in., w't per doz. 43 lbs., per dozen **CIJ** $6.50

PUMP TUBING.



Rubber Cloth Inserted.

Size, in.	⅛	¼	½	¾
Ply	2	2	2	3
Per foot $0.09	.10	.14	.18
	JE	**JF**	**JH**	**AA**
Per 100 feet.$8.00	9.00	12.00	15.00
	DGJ	**DHJ**	**JGBJ**	**JIJJ**

PUMP COUPLINGS.



No. K1-G—For hose, to attach to pump, per dozen .....**AI** $0.32

LOOSE.

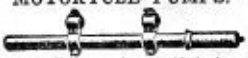
TIRE PUMPS.



No. 35-G—Hand Telescope, length 10¾ in., nickel plated brass, attaches to frame with clip, w't per doz. 5 lbs., per dozen.....**CFJ** $6.00

No. 23-G—Extra hose for the above, per dozen.....**JIJ** $1.50

MOTORCYCLE PUMPS.



No. 36-G—Telescopic, 1x18½ in. long heavy brass tubing, nickel plated and polished, two adjustable clamps to fasten on frame, rubber tubing, which is pushed inside the cylinder when not in use, w't per dozen, 11 lbs., per dozen .....**JHFE** $14.40

Clips for Nos. 35-G and 36-G pump, extra per dozen.. .....**JFJ** $1.00

SWIVEL CONNECTIONS.



No. K3. No. 30.

No. K3—Patent swivel, fitting M. & W., Schrader and similar valves, per dozen .....**DB** $0.70

No. 30—Won't Leak, large right angle, fits all valves, very efficient, per dozen .....**ABJ** $2.00

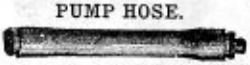
"KENO" PUMP CONNECTIONS.



No. 6367—For outside connections, per dozen .....**BDJ** $4.00

No. 6366—For inside connections, per dozen .....**AHJ** $3.00

PUMP HOSE.



No. 24-G—3 in., good quality rubber, for hand pumps.....per dozen **CF** $0.60



With Swivel and Threaded Connections in Ends, Good Quality Rubber.

No. 12-G—12 in., for foot pumps, per dozen.....**AAJ** $1.80

No. 18-G—18 in., for foot pumps, per dozen.....**ABJ** $2.00

TIRE PUMP LEATHERS.



Sizes, in.	1½	1¼	1⅛
Per dozen $0.40	.36	.30
	BD	**BA**	**AH**
Per 100.....$2.00	1.80	1.20
	AHJ	**ABJ**	**JIJ**
Size, in.	1	⅞
Per dozen.....$0.24	.20
	AD	**AB**
Per 100 .....$1.10	1.00
	JFE	**JFJ**

THE SIZE GIVEN ON PUMPS IS THE LENGTH AND DIAMETER OF THE CYLINDER.

SINGLE TUBE BICYCLE TIRES.

THORNPROOF CONSTRUCTION LARGE STUDDED RED TREAD.



Guaranteed.

28x1½ in., w't per pair 5 lbs., per pair ..... EDJ $9.00
28x1⅝ in., w't per pair 5½ lbs., per pair ..... EDJ $9.00

This tire is made under the drum process, which locates the laps in the fabric and rubber at different points in the tire, making the walls of uniform thickness throughout, and lessening the possibility of so-called "porous" tires. The inner tube is of excellent quality, and susceptible to all ordinary single tube repairs. The fabric is of long fibre Egyptian cotton, and has a large margin of safety. The coverstock is of excellent quality. The friction which is used is high grade in every particular, and will hold the various plies of rubber and fabric together until the tire is worn out in service. The construction is what we know as the "thornproof construction," having two plies of fabric extending entirely around the tire, and two extra narrow plies in the tread, making it four-ply at this point. These extra plies of fabric are of the same weight as the fabric used in the balance of the tire, and in this respect the tire differs materially from some other makes in which a very light drill or sheeting is used for these extra strips.

REVONOC LARGE STUDDED GRAY TREAD.



"Tough Tread."
Tough Protected Tread, Extra Quality, Guaranteed.

24x1⅜ in., w't per pair 4¼ lbs., per pair ..... CHJ $6.30
26x1½ in., w't per pair 4½ lbs., per pair ..... CIJ $6.50
28x1½, 1⅝ in., w't per pair 4¼ lbs., per pair ..... DEJ $7.50

REVONOC tough tread guaranteed single tube tire is not a cheaply constructed tire. We have put our brand on this tire with the full knowledge of the material that is used in its construction, and are offering to the trade as a high grade guaranteed tire at a moderate price, and as its name indicates, it is a tough tread tire. Extra high grade fabric selected on account of its strength and wearing ability.

CRUSO "PEBBLE TREAD."



Large Corrugations, Guaranteed.

28x1½ in., w't per pair 4 lbs., per pair ..... CHJ $6.30
28x1⅝ in., w't per pair 5 lbs., per pair ..... CHJ $6.30

"Cruso" tires are made with fabric of a special weave and double friction of a high grade, has two plies of fabric and an extraordinarily strong durable tube. The cover is also strong and tough and compounded in such a way that it will retain its resiliency, the style of tread prevents slipping on smooth pavements more than the plain tread.

MARATHON BASKET WEAVE "DOT TREAD."



28x1½ in., w't per pair 4½ lbs., per pair ..... CHJ $6.30
28x1⅝ in., w't per pair 5 lbs., per pair ..... CHJ $6.30

This tire is made by using fabric of a special weave, double frictioned, the tube being of extraordinary strength. The cover is tough and heavy, the latter being necessary on account of the style of the tread known as basket weave. The non-skid feature renders this tire one of the best that can be obtained for wet or slippery pavements.

CHICAGO "PEBBLE TREAD."



Guaranteed.

28x1½ in., w't per pair 4 lbs., per pair ..... CDJ $5.70
28x1⅝ in., w't per pair 5 lbs., per pair ..... CDJ $5.70

Chicago Tires are made for a good reliable medium priced tire and are guaranteed, have two plies of heavy fabric and a good grade cover stock, the pebble tread makes them non-skid.

IL-A-NOY.



For Steel Lined Rims, Clincher, G. & J. Pattern. Guaranteed.
28x1½, 1⅝ in.

Cases ..... each BJE $3.40
Tubes ..... each JHJ 1.35
Tires ..... per pair EGJ 9.50

Especially made for G. & J. Steel lined single clinch rims, cannot be used on G. & J. wood double clinch rims. Owing to the fact that these casings are moulded, the same as motorcycle casings, the inner tube can first be placed in the casing, then partly inflated, then placing the casing and tube on the rim at the same time, thus making the tire much easier mounted than the old, flat style.

These casings cannot be used on double clinch rims.

AVERAGE W'T PER PAIR 4¼ LBS.

G. & J. PATTERN.



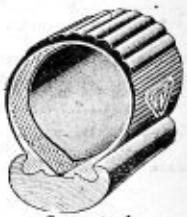
Guaranteed.
28x1½, 1⅝ in.

Cases ..... each AGE $2.90
Tubes ..... each JHJ 1.35
Tires ..... per pair EAJ 8.50

AVERAGE W'T PER PAIR 4½ LBS.

The above pattern tires can be used on any G. & J. rim, either wood or steel lined.

GENUINE G. & J.



Guaranteed.
Standard Road, 28x1½, 1⅝ in.

Cases ..... each BGJ $4.50
Tubes ..... each ABJ 2.00
Tires ..... per pair JGHJ 13.00

Heavy Tread, 28x1½, 1⅝ in.

Cases ..... each BIE $4.90
Tubes ..... each ABJ 2.00
Tires ..... per pair JHCJ 13.00

WE WILL DELIVER, FREIGHT PREPAID, IN 25 PAIR LOTS OF ONE KIND, ALL OF THE FOLLOWING BRANDS OF TIRES TO ALL POINTS EAST OF THE MISSOURI RIVER AND NORTH OF THE TENNESSEE LINE, THORNPROOF, REVONOC, CRUSO AND BOULEVARD.

BICYCLE TIRES, REPAIRERS' TAGS, ETC.

VITALIC TIRES, SINGLE TUBE.



Vitalic—Best rubber and fabric throughout 28x1½x1⅝ in., per pair .....JFFJ $11.00

The fabric construction is made from the finest Sea Island Cotton with tough, silky fibres fully two inches long. The thread is twisted—not once like ordinary thread—but again and again until it has almost the tensile strength of wire. Into this indestructible foundation is forced by tremendous pressure the finest, toughest, most enduring rubber that is compounded.

The rubber used in Vitalic Tires, after it has been washed and milled, is hung up in drying rooms and left there until it is naturally dry. All its original toughness and elasticity are retained. The manufacturers back up this tire with an unlimited guarantee. If the Vitalic Tires do not, in the dealer's judgment, give entire satisfaction, they may be returned for credit or replacement.

M. & W. DOUBLE TUBE TIRES.



Guaranteed.

14 to 24x1½ in......per pair DDE $7.40
26, 28x1⅜, 1½ or 1⅝ in., per pair .....DIJ $8.20
Cataplaro—26, 28x1½ or 1⅝ in., per pair .....EEJ $9.20

AVERAGE W'T PER PAIR 5 LBS.

Outer Casings Only. Guaranteed.

14 to 24x1½ in. .....each ADE $2.40
26, 28x1⅜, 1½ or 1⅝ in., each .....AEE $2.60
Cataplaro—26, 28x1½ or 1⅝ in., each .....AHE 3.10

AVERAGE W'T ABOUT 2 LBS. EACH.

MILWAUKEE PUNCTURE PROOF TIRES.

28x1½x1⅝ in......per pair JFCJ $10.50

This tire has three heavy insertions of canvas on the tread, making it almost impervious to puncture.

AVRAGE W'T PER PAIR 6 LBS.

GUARD LACING.



Braided Cotton, 18 Yards in a Carton.
No. 215—Black and red, mixed...per dozen JHJ $ 1.30
ONE DOZEN CARTONS IN A BOX; W'T 1 LB.

REPAIRERS' TAGS.



No. 15—6¼x3¼ in., printed in 2 colors, numbered in duplicate and perforated so that bottom can be torn off from owner's check, w't 7 lbs. per thousand, per thousand .....AEJ $2.50
ONE THOUSAND IN A BOX.

TIRE MEASUREMENTS.



To get size of tire wanted, measure straight across wheel from center of under side of tire, then follow directions below.

Wheel, in.....	11	13	15	17	19
Tire, in.	14	16	18	20	22
Wheel in.	20½	22½	24½	26½	
Tire, in.	24	26	28	30	

NATIONAL ASSOCIATION TIRE GUARANTEE.

The makers of guaranteed tires agree to repair or replace without charge tires which in their judgment are defective in material or workmanship.

All guarantees, unless otherwise mentioned, expire on Dec. 31st of the year in which the tires are sold.

Express charges on tires must be prepaid in every instance, or packages will not be accepted from the transportation company. If return by registered mail is desired, postage at the rate of 1 cent per ounce must accompany the request for repairs, and 10 cents additional for registry.

Rim cut, punctured, or tires abused, misused or worn out in service will not be replaced.

Always write a separate letter and send by mail your instructions, as all packages are held awaiting this advice.

See that every package sent has your full address—name, town, street number or county and state—securely fastened to it.

MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledge of the requirements in that locality enables him to handle your orders intelligently.

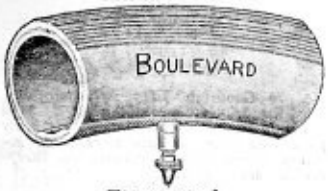
Your voluntary orders are given the same careful attention as if you were buying the goods from us personally and are billed at the *lowest market prices.*

SHIPPING FACILITIES

With our immense stock and unexcelled shipping facilities we can fill orders with unequaled promptness. On most roads we have through package cars which enable us to reach distant points many hours ahead of shipments made in the regular way.

MOTORCYCLE SUNDRIES.

BOULEVARD TIRES.

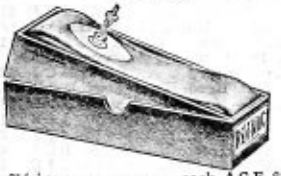


Unguaranteed.

24x1⅜ in., w't per pair 4¼ lbs., per pair ..... BDJ $4.00
26x1½ in., w't per pair 4½ lbs., per pair ..... BDJ $4.00
28x1½, 1⅝ in., w't per pair 4½ lbs., per pair ..... BDJ $4.00

This tire has fine corrugations and is a most satisfactory unwarranted tire.

REVONOC MOTORCYCLE INNER TUBES.



28x2½ in. .....each AGE $2.90
28x2¾ in. .....each AIJ 3.20
29x2¾ in. .....each BJE 3.40
28x3 in. .....each BAE 3.60

Endless or butt end tubes the same price. Endless tubes will be shipped unless otherwise specified.

A strictly high grade inner tube for motorcycle use, made from selected high grade compounded rubber and manufactured for service. Thoroughly guaranteed. Guaranteed to contain 70% rubber made from the same material as used in automobile tubes, made in both endless and butt end styles.

ONE IN A BOX.

WEED'S ANTI-SKID MOTORCYCLE CHAINS.



Sizes	26x2½	28x2½	28x2¾	29x2¾	28x3 in.
Each	$2.50	2.50	2.75	2.75	3.00

Less than 12 chains, discount AJ%.
12 chains or more in one shipment, discount, BJ%.
Note—One chain to set.

CROSS CHAINS.

Size	2½	2¾	3 in.
Each	$0.06	.08	.10
Discount			AJ%

VACUUM CUP MOTORCYCLE CASINGS.



28x2½ in., for old style rim, each .....AJCJ $10.75
28x2½ in., for new B. B. rim, each .....AAEJ 12.00
28x2¾ in., for old style rim, each .....AJEE 11.00
28x2¾ in., for new C. C. rim, each .....AAEJ 12.00
29x2¾ in., for new B. B. rim, each .....AAGE 12.25
28x3 in., for new C. C. rim, each .....AAGE 12.25

Schedule of Inflation for Vacuum Cup Motorcycle Tires.

26x2½ in. .....50 lb.
28 in. .....50 lb.
28x2¾ in. .....55 lb.
29 in. .....55 lb.
28x3 in. .....60 lb.

These casings are made in the standard of strength and efficiency as Vacuum Cup Tires for automobiles.

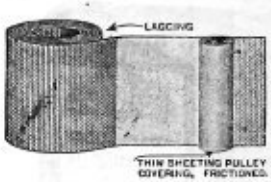
The triple row of vacuum cups absolutely resists skidding on wet pavements, but the suction does not operate against the forward speed, because the cups are lifted edgewise by the rolling of the tire. For muddy roads, they are especially desirable, as the heavy knobs take hold as can no other form of tread —slewing is practically impossible.

In addition to this feature, the tread is especially serviceable, and will give considerable more mileage than any other tire made. The cups alone outwear the ordinary corrugated tread.

Vacuum Cup Motorcycle Tires are guaranteed for 5,000 miles service. While this is twice as far as the ordinary guarantee, it is only half the distance that Vacuum Cup Tires actually will travel.

Use REVONOC Tubes for these casings.

NON-SLIP LAG.



Put up in rolls of the following sizes—

Sizes for use on Front Engine Pulleys

Width, in.	Length in.		Per roll.
1⅝	38	CE	$0.60
1¾	38	CE	.60
1¾	43	CE	.60
1⅞	43	CE	.60
2	43	CE	.60
2⅛	43	CE	.60
2¼	45	CE	.60

Sizes for use on Rear Pulleys.

Width, in.	Length in.		Per roll.
1¾	124	JHJ	$1.30
1⅞	124	JHJ	1.30
2¼	124	JHJ	1.30

Non-Slip Lag is a new lining for pulleys. It absolutely prevents belts from tearing and slipping, increases their life, and affords much additional power. It is as easy to put on as tire tape on a tire.

This is the highest grade of motorcycle lagging manufactured. Heavy friction Egyptian fabric, and can be attached in a few minutes. A very necessary article for motorcyclists.

ONE ROLL IN A BOX.

★FOR FACTORY SHIPMENT ONLY.

INNER TUBES AND TIRE REPAIRS.

INNER TUBES.



No. 11 —Highest quality, gray, butt end, guaranteed, 28x1½ or 1⅝ in., w't per doz. 8 lbs., per dozen .....**ABJ J** $20.00

No. 12 —Pure gum, red, otherwise same as No. 11 , per dozen .....**ADAJ** $23.50

No. 14 —Endless for G. & J. type casing, otherwise same as No. 12, per dozen .....**ADAJ** $23.50

Made of carefully selected stock and by a new process—several plies of practically pure rubber are vulcanized together making a tube of great strength and service. The valve base is strongly reinforced to prevent the stem from pulling out. All tubes are carefully tested under pressure before being shipped.

REVONOC INNER TUBES.



No. 1 REVONOC—Gray, butt end, guaranteed, size 28x1½ or 1⅝ in., w't per doz. 9 lbs. ....per dozen **AJHJ** $18.00

No. 5 REVONOC—Best quality, for G. & J. tires, 28x1½ or 1⅝ in., w't per doz. 6 lbs. .....per dozen **ABCJ** $20.50

"IL-A-NOY" INNER TUBES.

No. 10—Il-a-noy, butt end, good quality, fully guaranteed, 28x1½ or 1⅝ in., w't per doz. 5 lbs., per dozen **JIFJ** $16.00

No. 15—Il-a-noy, G. & J. endless, otherwise same as No. 10 Il-a-noy, per dozen .....**AJEJ** $17.50

CRUSO INNER TUBES.

CRUSO, No. 2 Quality Butt End.

28x1½ or 1⅝ in., w't per doz. 9 lbs., per dozen .....**JHFE** $14.40

ONE IN A BOX.

M. & W. INNER TUBES.



No. 1 Quality, Guaranteed, Closed End.

14 to 24x1⅜ in....per dozen **JICE** $15.60

26, 28x1½ or 1⅝ in., per dozen .....**AJHJ** $18.00

No. 2 Quality, Closed End.

20 to 24x1⅜ in....per dozen **JHFE** $14.40

26, 28x1½ or 1⅝ in., per dozen .....**JICE** $15.60

AVERAGE W'T 8½ LBS. PER DOZEN.

ONE IN A BOX.

HANDLE BAR BUFFERS.



No. F51—M. & W., flexible, to protect the frame where handle bars strike, color black ....per dozen **JFJ** $1.00

ONE DOZEN IN A BOX.

TIRE LACING.



No. 1—For lacing the outer casing of double tube tires, 7 yds. on hank, with needle, w't per doz. ⅜ lb., per dozen .....**DB** $0.70



For Lacing the Outer Casing of Double Tube Tres.

No. 2—½ lb. balls, per lb. ....$1.80 **AHJ**

No. 3—1 lb. balls, per lb. ....$1.80 **AFJ**

REVONOC PATCHING RUBBER.



No. 4 REVONOC—4 oz. rolls, pure rubber, size about 2½x180 in., per roll, 4 oz. .....**JIJ** $1.50

TIRE TAPE.



No. 10 REVONOC—Black, 1 oz. rolls, per pound .....**CJ** $0.52

No. 15 REVONOC—Black, ½ lb. rolls, per pound .....**CJ** $0.52

No. 12 REVONOC—Black, ¼ lb. rolls, per pound .....**CJ** $0.52

No. 1—M. & W., black, 1 oz. rolls, per pound .....**CB** $0.54

No. 3—M. & W., black, ½ lb. rolls, per pound .....**CE** $0.60

INJECTORS.

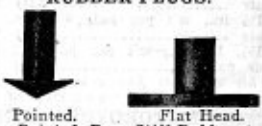


No. 74—Goodrich Jiffy, w't per doz. 1½ lbs. .....per dozen **ADE** $2.40

Loaded with repair solution. It heals punctures in single tube tires. The solution hardens and becomes an inseparable part of the tire.

ONE IN A BOX.

RUBBER PLUGS.



Pointed. Flat Head.

Pointed, Pure Stiff Rubber.

No. 101—Small, $\frac{7}{32}$ in stem, per hundred .....**JHJ** $1.30

No. 102—Medium, ¼ in. stem, per hundred .....**JHE** 1.40

No. 103—Large, ⅜ in. stem, per hundred .....**ACJ** $2.20

Flat Head, Pure Stiff Rubber.

No. 119—$\frac{1}{4}$x$\frac{7}{32}$ in....per 100 **JFE** $1.10

No. 120—¾x¼ in....per 100 **JIE** 1.60

No. 123—1 x¼ in....per 100 **ACJ** 2.20

No. 124—1¼x¼ in....per 100 **BEJ** 4.20

No. 126—1¼x⅜ in....per 100 **CJE** 5.10

No. 130—2 x⅜ in....per 100 **CEJ** 5.80

WOOD RIMS.



No. 29—G. & J., 28x1½ or 1⅝ in., one piece, natural finish, drilled, 32 or 36 holes, w't per pair 3 lbs., per pair .....**ABJ** $2.00



No. 11—Standard, 28x1½ or 1⅝ in., one piece, natural finish, drilled 28, 32 or 36 holes, w't per pair 2½ lbs., per pair .....**AAJ** $1.80

No. 26—For 26x1½ in tires, both front and rear rims drilled for 28 spokes, otherwise same as No. 11, per pair .....**AAJ** $1.80

No. 24—For 24x1⅜ in. tires, both front and rear rims drilled for 28 spokes, otherwise same as No. 11, per pair .....**AAJ** $1.80

All 28 in. rims, Nos. 11 and 29 are drilled 32 degrees for front and 36 degrees rear.

LACING NEEDLES.

No. 4-G—3½ in., polished steel, per dozen .....**JG** $0.12

ONE DOZEN IN A PACKAGE.

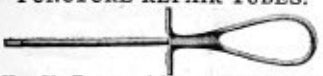
SOAPSTONE.

For Preventing Inner Tube from Sticking to Case.

No. 13-G—1 lb. packages, per pound .....**JF** $0.10

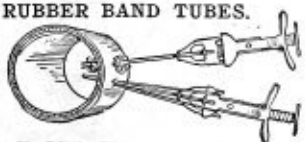
REPAIR TOOLS, TIRE VALVES, WHEELS, ETC.

PUNCTURE REPAIR TUBES.



No. 70—For repairing punctures with rubber bands, w't per doz. ½ lb., per dozen .....EJ $0.80
No. G—Rubber bands for repair work, ¼ lb. in a box....per box JHE $1.40

RUBBER BAND TUBES.



No. 77—Little Wonder, steel, 3 in. long w't per doz. 2 oz., per doz. ACJ $2.20

To repair a puncture, place the bands in the slotted point of the needle, draw back over the two points, as illustrated, using sufficient bands according to size of puncture, then place a quantity of cement on the bands, insert in puncture, press slightly on the two finger points and the bands are automatically released.



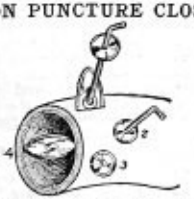
No. 1-G—Wald, w't per doz. 1½ lbs., per dozen .....BAJ $3.50

By the use of this tool a puncture may be repaired in one minute at a cost of about ¼ cent.

Can also be used for repairing holes in casings, to prevent tube from creeping through.

ONE DOZEN IN A BOX.

SAMSON PUNCTURE CLOSERS.



No. 91—Small, w't per doz. 2 oz., per dozen .....JFJ $1.00
No. 92—Medium, w't per doz. 3 oz., per dozen .....JFJ $1.00
No. 93—Large, w't per doz. 3 oz., per dozen .....JFJ $1.00

A metal device for repairing single tube tires; used with cement.

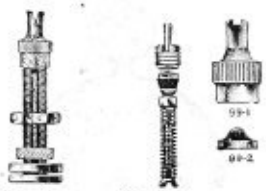
VALVES AND VALVE STEMS.



No. 56—Schrader, valves and stems, complete, w't per doz. 6 oz., per doz. .....AAE $1.50

LOOSE.

TIRE VALVES.



No. 54. No. 99-4.

No. 54—1022—Schrader G. & J. shoe valve for inner tubes, per 100 AAAE $19.40

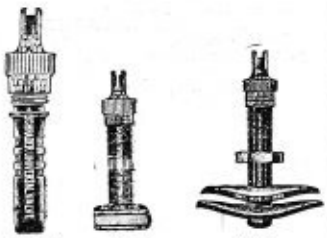
No. 99—1—Light valve caps for bicycle tires .....per 100 AIJ $3.30

No. 99—2—Valve cap washers, per 100 .....EJJ 8.74

Schrader Universal Valve Insides.

No. 99—4—Per 100 .....BIJ $5.06

No. 99—5—Packed 5 in a tin box, 20 tin boxes in a package, per 100 BIJ $5.06



No. 55. No. 8. No. 9.

No. 55—609—**Schrader** universal bicycle valve without stem, per 100 .....JFAE $10.68

No. 8—761—**Schrader** shoe valve with rubber washer, per 100 AAGE $20.40

Sampson-Schrader Universal Oval Base Shoe Valves.

No. 9—820—Small..per 100 AEFE $27.16
No. 9—733—Large...per 100 AEFE 27.16

LOOSE.

BUILT UP WHEELS.

All bicycle dealers know how important it is to be able to furnish from stock built up wheels to repair damaged wheels for customers. We carry in stock ready for immediate shipment built up wheels, black enameled rims, with two gold stripes as described in list below.



Black Enameled Rims with Two Gold Stripes, Turned Hubs.

No. 122—Cement rim, turned hub, front, w't 2¾ lbs. .....each AFJ $2.70

No. 123—Cement rim, turned hub, rear, w't 3 lbs. .....each BBJ $3.70

No. 126—G. & J. rim, turned hub, front, w't 3¼ lbs. .....each AHJ $3.00

Coaster Brake, Built Up Wheels, Rear Fitted with New Departure Brakes.

No. 128—Cement rim, w't 5 lbs., each .....EAE $8.60

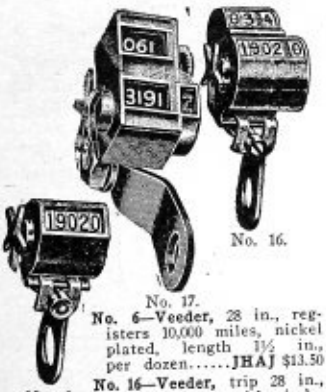
No. 129—G. & J. rim, w't 5¼ lbs., each .....ECJ $8.80

Carry a line of goods on which you can rely.

Our reputation founded on over half a century's business stands back of the CHB brand.

CYCLOMETERS, PEDOMETERS, SPEEDOMETERS, ETC.

CYCLOMETERS.



No. 16.

No. 17.

No. 6. **No. 6—Veeder,** 28 in., registers 10,000 miles, nickel plated, length 1½ in., per dozen.....**JHAJ** $13.50

No. 16—Veeder, trip 28 in., 10,000 miles, with independent trip cyclometer, which registers 100 miles and can be quickly set back to zero, nickel plated, length 1⅝ in., per dozen.....**AHJJ** $30.00

No. 17—Veeder, for motorcycles, 26 or 28 in., registers up to 10,000 miles, nickel plated, length 2 in., w't per doz. 4¾ lbs....per dozen **BGJJ** $45.00

The cyclometer mechanism is made stronger than the regular bicycle cyclometer and is designed to withstand the harder usage due to the high speed of motorcycles.

A much stronger type of star wheel is supplied and special friction is used which prevents the star wheel from spinning when going at a high rate of speed.

ONE IN A BOX.

BOY SCOUT HIKEMETERS.



Front. Back.

No. 77—Hikemeter and compass combined, gun metal finish, registers 100 miles, also each trip and can be reset, w't each 3 oz.,..each **ABJ** $2.00

This instrument measures accurately the distance you walk, and the compass indicates the direction. Will slip into your belt, pocket or garter. Can be accommodated to any length of step. Accurate and reliable, nothing to get out of order.

PEDOMETERS.



No. 7—American, nickel plated, diameter 1¾ in., registers 100 miles, each .....**AJJ** $1.70

Each step vibrates automatic mechanism, thus setting the cog wheels in motion and recording the distance walked by the wearer.

ONE IN A BOX.

CORBIN-BROWN MOTORCYCLE SPEEDOMETERS.



Model A M—Made of specially hardened steel and brass, cable is of best hardened steel, either front or rear attachment, w't each 9 lbs., each .....**AJHJ** $15.00

This speedometer has no "die-cast" parts. The indicator registers with absolute accuracy, and is not affected by the temperature or electrical action. It is so adjusted that it will not wobble on a rough road and always remains steady. The speed indicator registers up to 80 miles an hour, has a season mileage recorder which totals one hundred thousand miles, and a trip odometer which registers up to 100 miles and resets by pressing reset pin at side. The Corbin-Brown speedometer is sold under a one year guarantee that is absolutely free from technicalities. Can be attached by any dealer or repair man. In ordering, please give name and model of motorcycle and size of tires used.

WATCH HOLDERS.



No. 25—For motorcycles, nickel plated steel, beautifully finished, w't ½ lb., each .....**JDB** $0.70

Substantially made for motorcycle or bicycle handle bars.

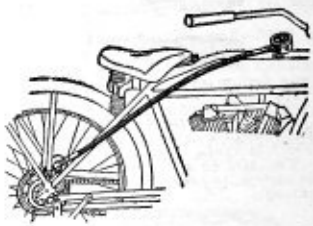
LOOSE.

STEWART MAGNETIC MOTORCYCLE SPEEDOMETERS.



No. 101—Front wheel drive is equipped with the new "solid tube" casing around the driving shaft. This "solid tube" obviates the trouble and breakage formerly experienced with the flexible shaft front drive, w't each 9½ lbs., each .....**JIFJ** $12.06

ONE IN A BOX.



No. 101-A—Rear wheel drive is absolutely unaffected by vibration or road shocks. The driving shaft is enclosed in a flexible shaft casing. All parts made of the same high quality of material and workmanship that enters into the construction of all instruments for automobiles, w't each 10 lbs., each .....**JIFJ** $12.00

All Stewart Speedometers are made upon the magnetic principle. There is only one moving part. This is a circular magnet, mounted on the top of the shaft. Fitting over and around this circular magnet is an aluminum cup. On the edges of this cup are the numbers, from 0 to 75, which indicate the number of miles per hour your motorcycle is traveling. There is absolutely no connection between the circular magnet and the dial cup. The turning of the rear wheel turns the flexible shaft and this causes the circular magnet to revolve. As this revolves it acts with magnetic force on the aluminum dial cup. The faster the magnet turns, the more the dial cup is pulled around, and whatever number on the dial cup is opposite the pointer, that indicates the number of miles per hour. It is the most simple mechanism in the world. There is practically no wear whatsoever to the Stewart Magnetic Type Speedometer.

PADLOCKS AND WHEEL PARTS.

BICYCLE PADLOCKS.



No. 4066G. No. 4075G.

No. 4066G—Size 2¼x2 in., iron case, ivory black finish, black nickel shackle, self-locking, spring shackle, five key changes to the dozen, complete with two flat steel keys, for locking sprocket and chain, w't per doz. 1½ lbs.....per dozen **J I J** $1.50

No. 4075G—Size 2¾x1½ in., iron case, brass shackle, ivory black finish, self-locking, hinged spring shackle, three secure levers, 12 changes to the dozen, for locking sprocket and chain, complete with two nickel plated flat steel keys, w't per doz. 2½ lbs., per dozen .....**B D J** $4.00



No. 4047G—Size 1x1 in., iron case, ivory black finish, nickel plated shackle, self-locking spring shackle, three secure levers, twelve changes to the dozen, complete with two nickel plated keys and chain, w't per doz. 1½ lbs. .....per dozen **B E J** $4.20



No. 4382G—Size 2x1½ in., iron case, ivory black finish, brass plated shackle, self-locking, spring shackle, for locking sprocket and chain, six changes to the dozen, complete with two nickel plated flat steel keys, w't per doz. 1¼ lbs., per doz. **A D E** $2.40

MOTORCYCLE LOCKS.

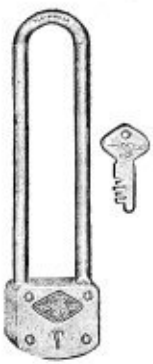


No. 4512—Total length 8¼ in., hasp 6½ in. long, arm ⅞ in. thick, self-locking, automatic spring shackle that flies open to one-quarter turned position when unlocked, six secure levers, two nickel plated corrugated keys, ebony black finish, nickel plated hasp, hardened to prevent cutting or filing, w't per doz. 6¾ lbs., per dozen .....**E D J** $9.00

Can be used to lock motorcycle through front fork, or rear stay or chain. Designed to prevent theft of motorcycles, compact in size, can be carried in tool bag or pocket, fits any machine.

ONE IN A BOX.

BICYCLE LOCKS.



Motorcycle Pattern.

No. 534-G—Total length 6½ in., across case 2 in., hard steel rod shackle locking spokes to fork 4½ in. long, pressed steel case, lever and tumbler construction, spring shackle, self-locking, two steel keys, w't per doz. 6 lbs. .....per dozen **B F J** $4.30

ONE IN AN INDIVIDUAL BOX; TWELVE IN A CONTAINER; NO TWO ALIKE.

SPOKES.



REVERSE

No. 20 REVERSE—Extra quality, swaged, headed, bent, threaded and nickel plated, size 075-062 between 14x16 and 15x17 gauge, 12 and 12¼ in. long, with nipple, w't per 100, 1½ lbs., per hundred .....**J I J** $1.50
per thousand .....**J H E J** 14.20

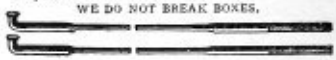
ONE THOUSAND IN A BOX.

No. 60 REVERSE—Swaged, headed, bent, threaded and nickel plated, size 075-062 between 14x16 and 15x17 gauge, 12 and 12⅛ in. long, with nipple, w't per 100, 1½ lbs., per hundred **J H E** $1.40
per thousand .....**J G H J** 13.00

ONE THOUSAND IN A BOX.

REVERSE *spokes and nipples are carried only in the above sizes. They are all first quality material, 075-060 gauge, in two lengths, 12 and 12⅛ inches. These are superior spokes and every spoke fits every nipple perfectly and the sizes run uniform.*

WE DO NOT BREAK BOXES.



No. 2—Extra quality swaged, headed, bent, threaded and nickel plated, sizes 14x16 and 15x17 gauge, 12 and 12⅛ in. long, with nipple, per 100 **J I E** $1.60

No. 6—Swaged, headed, bent, threaded and nickel plated, sizes 14x16 gauge, 12 and 12¼ in. long, with nipple, per hundred .....**J I J** $1.50

State number, gauge and size of wheel in ordering.

ONE HUNDRED IN A BOX. W'T 1½ LBS.

WE DO NOT BREAK BOXES.

DIAMOND E SPOKES.

Made of Finest Quality Wire, Specially Nickel Plated.

No. 10—Swaged, headed, bent and threaded, sizes 14x16 gauge, 12 and 12⅛ in. long, or 15x17 gauge, 12 and 12⅛ in. long, per hundred **A B J** $2.00

ONE HUNDRED IN A BOX. W'T 1½ LBS.

WE DO NOT BREAK BOXES.

WOOD RIM NIPPLES.



No. 26—Brass, nickel plated, 56 threads, 14x16, 15x17 gauge, per 100 **C E** $0.60

State gauge when ordering.

NIPPLE WASHERS.



No. 2—Saw tooth, per thousand **C J** $0.50

NICKEL PLATED NUTS.



Hexagon, 20, 24, 26 or 28 Threads.

Nos.	4	5	6
Hole, in.	¼	⅜	⅜
Width, in.	½	½	19/32
Thickness, in.	7/32	¼	⅜
Threaded, per 100	$2.50	2.60	3.00
	A E J	**A E E**	**A H J**

BICYCLE PARTS.

PRICE LIST OF PARTS.

Discount DJ %.

	Hibbard	REVONOC	Cruso and Chicago
Front Wheel Hub, complete ..... each	$0.90	.90	.90
Front Wheel Hub Balls, 7/16 in. ..... per dozen	.12	.12	.12
Rear Wheel Hub Balls, 1/4 in. ..... per dozen	.14	.14	.14
Rear Wheel Hub Sprocket ..... each	.45	.45	.45
Rear Wheel Hub Sprocket Lock Nut ..... each	.20	.20	.20
Front or Rear Hub Ball Cup ..... each	...	.24	.24
Front or Rear Hub Axle, each	.32	.24	.24
Front or Rear Hub Axle Nut ..... each	.10	.10	.10
Front or Rear Hub Axle Nut Washer ..... each	.04	.04	.04
Front Hub Cone ... each	.30	.30	.30
Rear Hub Cone Sprocket and Left Side.... each	.24	.24	.24
Front or Rear Hub Ball Retainer ..... each	.08	.08	.08
Front or Rear Rim, Wood for Cemented Tire★ ea.	1.35	1.35	1.20
Front or Rear Rim, Wood for G. & J. Tire★ each	1.53	1.53	1.38
Head Adjusting Cone, each	.40	.40	.40
Head Adjusting Cone Lock Nut ..... each	.24	.24	.24
Head Adjusting Cone Lock Nut Washer, each	.04	.04	.04
Fork Stationary Cone, each	.32	.32	.32
Fork Ball Cup, Upper or or Lower ..... each	.24	.24	.24
Crank, one-piece .. each	2.50	2.15	2.15
Hanger Stationary Cone, each	.60	.60	.60
Hanger Adjusting Cone, each	.60	.60	.60
Hanged Adjusting Cone Lock Nut..... each	.24	.24	.24
Hanger Adjusting Cone Lock Nut Washer, each	.04	.04	.04
Hanger Ball Cup... each	.45	.45	.45
Hanger Balls, 7/16 in., per dozen	.16	.16	.16
Hanger Ball Retainers, each	.12	.12	.12
Hanger Sprocket ...each	1.80	1.50	1.50
Seat Post Only ....each	.75	.75	.75
Chain, complete....each	1.80	1.50	1.50
Chain Adjusting Screw, each	.12	.12	.12
Chain Guard Steel, complete★ ..... each	....	1.50	1.50
Rear Guard Only★ each	1.50	1.50	1.50
Rear Guard Lacing Clip, each★	.12	.12	.12
Front Fork ..... each	4.50	3.75	3.45
Frame Only★ ..... each	16.50	16.50	15.00
Front Wheel Only★ each	4.65	4.05	3.90
Rear Wheel only★ each	5.55	4.80	4.65
Front Axle, complete, 2 Cones, 2 Nuts, 2 Washers ..... each	.90	.90	.90
Rear Axle, complete, 2 Cones, 2 Nuts, 2 Washers ..... each	1.00	1.00	1.00
Seat Post Clamp Bolt, each	.20	.20	.20

For Coaster Brake Parts Refer to Page 2316.

STAR BALL RETAINERS.

Without Balls.



Nos. 4 to 24 inclusive,
per dozen ..... **JFJ** $1.00

Nos. 31 to 46 inclusive,
per dozen ..... **JGB** 1.20

Nos. 60 to 97 inclusive,
per dozen ..... **JIJ** 1.50

No.	Size in	Size balls used	No. of balls used in each
4	25/32	9/16	6-7
5	13/16	9/16	7
6	7/8	9/16	7-8
10	15/16	3/4	6
16	1 1/16	1/4	7
24	1 9/32	5/16	5
31	1 5/16	3/8	5

No.	Size in	Size balls used	No. of balls used in each
38	1 7/16	5/32	17
46	1 1/2	5/16	8
60	1 5/8	3/8	7
63	1 3/4	5/16	10
66	1 15/16	5/16	10
73	1 15/32	5/32	17

Order by number only.

Star Ball Retainers are the very best obtainable, and are used by the following manufacturers:

New Departure Mfg. Co., Coaster Brake, 24 and 46.

Corbin Screw Corporation, Coaster Brake, 31 and 60, Hub 5 and 10.

REVONOC *and Cruso Wheels:*

REVONOC *Front Hub No. 10.*
REVONOC *and Cruso Front Hub No. 10.*
Head No. 73.
Hanger No. 66.

STEEL BALLS.



Standard Bicycle Sizes.

Diam., in. ..	1/8	5-32	3-16	7-32
Per thousand	$1.70	2.00	2.50	3.50
	JFJ	ABJ	AEJ	BAJ
Diam., in. ..	1/4	9-32	5-16	3/8
Per thousand	$4.00	6.00	6.50	9.00
	BDJ	CFJ	CIJ	EDJ

ONE HUNDRED IN A PACKAGE.

Special Quality Automobile Sizes.

Diam., in.	7/16	1/2	5/8	3/4
Per thousand	$20.00	21.00	33.00	$1.00
	ABJJ	ACHJ	AIHJ	CJFJ

Guaranteed accurate in size and of the best quality.

NICKEL PLATED WASHERS.



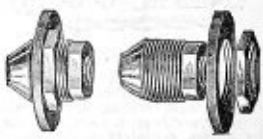
Nos.	14	15	16
Axle, in.	1/4	5/16	3/8
Per hundred	$0.75	.75	.75
	DE	DE	DE

CHAIN ADJUSTERS.



No. 60—Nickel plated, complete per dozen pairs ..... **JFJ** $1.00

ADJUSTABLE CONES.



No. 40—Front, for 5-16 in. axle, 24 or 26 threads, w't per doz. 3/4 lb., per dozen ..... **AHJ** $3.00
No. 41—Rear, for 3/8 in. axle, 24 or 26 threads, w't per doz. 3/4 lb., per dozen ..... **AHJ** $3.00
State size of thread in ordering.



No. 42—Front, 5-16 in., 24 and 26 thread, w't per doz. 12 oz., per doz. **EH** $0.96
No. 43—Rear, 3/8 in., 24 and 26 thread, w't per doz. 14 oz., per doz. **EH** $0.96

★*FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.*

RIM AND TIRE CEMENTS, RUBBER SOLUTIONS, ETC.

LIQUID RIM CEMENT.



No. 24.



For Cementing Tires to Rims.

No. 24 REV-O-NOC—¾x4 in. tubes, w't per doz. 1 lb., per dozen..CB $0.54

No. 25½ REV-O-NOC—2 oz. bottles with swab, w't per dozen. 5 lbs., per dozen. JFF $1.10

No. 25½.

ONE DOZEN IN A BOX.



For Cementing Tires To Rims.

No. 25 REV-O-NOC—2 oz. cans, w't per doz. 2½ lbs....per dozen JFJ $1.04

No. 26 REV-O-NOC—4 oz. cans, w't per doz. 4 lbs.....per dozen JHJ $1.30

No. 27 REV-O-NOC—½ pt. cans, w't per doz. 7 lbs.....per dozen ADJ $2.30

ONE DOZEN IN A BOX.



No. 111.



Nos. 114 and 115.

U. S., for Cementing Tires to Rims.

No. 111—¾x4 in. tubes, w't per doz. 1⅛ lbs.....per dozen CJ $0.50

No. 114—¼ pt. cans, w't per doz 3½ lbs. per dozen.....JIJ $1.30

No. 115—½ pt. cans, w't per doz. 6½ lbs.....per dozen ACJ $2.00

LOOSE.

HARD TIRE CEMENT.



For Cementing Tires to Rims.

No. 109—2 oz., M. & W., in tin boxes, w't per doz. 2½ lbs., per doz. JIJ $1.50

LIQUID RIM SHELLAC.

HOLDFAST, for Cementing Tires and Grips.



No. 301—2 oz. bottles, with swab, w't per doz. 4¼ lbs., per dozen JIJ $1.50

No. 302—1 qt. cans, w't per doz. 26 lbs., per dozen ....JHDJ $14.00

No. 304—1 gal. cans, w't per doz. 102 lbs., per dozen ...BDEJ $40.80

NO. 301, ONE DOZEN IN A BOX; BALANCE, LOOSE.

No. 8—Assortment, consisting of 4 doz. 2 oz. bottles with swab and 2 only 1 gal. cans, w't per ass't 40 lbs., per assortment .....JGGJ $12.80

No. 8 packed ready for shipment and included with each assortment is a box as shown below, containing four silver steel, solid sole leather handled screw drivers, one each length 13½, 11, 8¼ and 5½ in., of highest grade steel, hand forged and tempered, making them high class tools, fully warranted. The handles are of very peculiar and superior construction, being built right onto the screw drivers, one layer of leather at a time, each leather disc is saturated with a powerful cement and subjected to hydraulic pressure. The handle end of the steel is forged square and then made, under great pressure, to punch its own hole through each piece of leather.



AIR DRYING ENAMELS.



Gives a Glossy Finish, Can Be Washed With Soap and Water, 4 oz. Cans.

No. 1G REV-O-NOC—Black, per dozen .....AAJ $1.80

No. 2G REV-O-NOC—Maroon, per dozen .....ABJ 2.00

No. 3G REV-O-NOC—Blue, per dozen .....ABJ 2.00

No. 4G REV-O-NOC—Brewster green, per dozen .....ABJ 2.00

No. 5G REV-O-NOC—White, per dozen .....ABJ 2.00

Will not fade.

W'T PER DOZEN 5 LBS.

REPAIR CEMENT.



No. 4.



Nos. 5 and 7.

"REV-O-NOC."

For Repairing Inner Tubes.

No. 4 REV-O-NOC—¾x4 in. tubes, w't per doz. 1 lb.....per dozen CE $0.60

No. 5 REV-O-NOC—2 oz. cans, w't per doz. 2½ lbs.....per dozen JFE $1.10

No. 6 REV-O-NOC—4 oz. cans, w't per doz. 4 lbs.....per dozen JHE $1.44

ONE DOZEN IN A BOX.

RUBBER SOLUTION.



No. 121.



Nos. 124 to 126.

U. S., for Repairing Inner Tubes.

No. 121—¾x4 in. tubes, w't per doz. 1 lb. .....per dozen DJ $0.60

No. 124—¼ pt. cans. w't per doz. 3 lbs.....per dozen JIJ $1.50

No. 125—½ pt. cans, w't per doz. 6 lbs.....per dozen ADE $2.40

No. 126—1 pt. cans, w't per doz. 9¾ lbs. per dozen.....BFE $4.40

NO. 121, ONE DOZEN IN A BOX; BALANCE, LOOSE.

LUBRICANT, PLUGTIGHT SOLUTION AND TIRE FLUID.

TIRE FLUID.



No. 400.

NEVERLEAK, a Liquid Compound for Porous and Leaky Tires.

No. 400—4 oz. tubes, w't per doz. 5½ lbs. .....per dozen **BAJ** $3.50

No. 406—1 gal. cans., w't per doz. 127 lbs. .....per dozen **CEJJ** $60.00

When injected into tires, it stops all small punctures and slow leaks; positively will not injure the tire.

With each dozen is enclosed a certificate which can be redeemed for a valuable premium.

NO. 400, ONE DOZEN IN A BOX; NO. 406, LOOSE.



Special Dealers' Assortment.

No. 405—Consisting of 24 certificates and one gross of 4 oz. neverleak tubes, one dozen packed in regular counter display box and 11 dozen packed loose, w't per gr. 80 lbs., per gross .....**BCDJ** $39.00

ONE GROSS IN A CASE; WE CANNOT BREAK CASES.



No. 408—Neverleak, 5 gal. cans, for shop use, w't per doz. 738 lbs., per dozen .....**ABFJJ** $210.00

TIRE FLUID.



REVONOC Tire Fluid is a Liquid Compound for Healing Punctures and Stopping Slow Leaks in Bicycle Tires.

No. 35 REVONOC—4 oz. tubes, w't per doz. 5½ lbs. .....per dozen **JIJ** $1.50

Guaranteed not to injure rubber. Will prevent patching, vulcanizing or any other repairs. Each tube has screw top which fits valve.

ONE DOZEN IN AN ATTRACTIVE COUNTER CASE.

PLUGTIGHT SOLUTION.



REVONOC

For Use with Jiffy Repair Tool in Repairing Single Tube Tires.

No. 88 REVONOC—¼x4 in. tubes, with needle end, w't per doz. ¾ lb., per dozen .....**JGJ** $1.20

A very heavy liquid, which, upon being forced through a puncture, hardens to the consistency of pure rubber and makes a permanent repair without the use of plugs.

ONE DOZEN IN A BOX.

CHAIN LUBRICANT



No. 1. No. 2.

No. 1 REVONOC—Stick in colored tin box, with loose bottom, clean, white and smooth, finest quality, 1x4 in., w't per doz. 2 lbs. ....per dozen **EJ** $0.80

No. 2 REVONOC—Wrapped in tinfoil, black, without tin box, ⅝x3⅝ in., w't per doz. ¾ lb. ....per dozen **BE** $0.40

ONE DOZEN IN A BOX.

DIXON'S CHAIN LUBRICANT.



No. 691. No. 679.

No. 691—Stick graphite, in tinfoil, ¾x3 in., w't per doz. ⅝ lb., per dozen .....**JCJ** $1.00

No. 679—Stick graphite, in wood box, ⅞x3 in., w't per doz. 1¾ lbs., per dozen .....**JFJ** $1.00



No. 692.

No. 692—Graphitoleo, ¾x4 in. tubes, one dozen on a card, w't per doz. 1¼ lbs. .....per dozen **JFJ** $1.00

NO. 691, THREE DOZEN; NO. 679, SIX DOZEN IN A BOX; NO. 692, TWO DOZEN IN A BOX.

OILS.

REVONOC OIL.



No. 64G—1 oz. bottles, w't per doz. 2 lbs.....per dozen **JHE** $1.40

No. 65G—3 oz. bottles, w't per doz. 6 lbs.....per dozen **AGJ** $2.80

No. 66G—8 oz. bottles, w't per doz. 16 lbs.....per dozen **CIJ** $6.50

No. 68G—4 oz. cans with patented spout, w't per doz. 7 lbs., per dozen.....**BJJ** $3.30

NO. 64G, 65G, 66G, AND 68G, ONE DOZEN IN A BOX.

BOTTLES PACKED ONE DOZEN IN A NEAT WOOD BOX WITH SLIDING TOP.

REVONOC *For-All-Things Oil is a high viscosity, low gravity lubricating oil unexcelled for its Cleaning and Polishing properties.*

Prevents Guns from Rusting, Nickel and Brass from Tarnishing.

Penetrates into the pores of the metal, forming a film-like coating that defies all weather conditions.

Composed of ingredients absolutely harmless to the finest finished surface, REVONOC *For-All-Things Oil is unsurpassed for cleaning and polishing pianos and fine furniture. Restores the original finish and lustre, removing all spots and stains.*

For Sewing Machines, Phonographs, Dictaphones, Typewriters, Automobiles, Motor Boats, Lawn-Mowers, Separators, Bicycles, etc. Use a damp cloth on veneered or polished surfaces, and a dry cloth on metal.

FULL DIRECTIONS ON EVERY BOTTLE.

COMBINATION OIL.



Nos. 30G and 31G. No. 39G.

"THREE IN ONE," Cleans, Preserves and Lubricates.

No. 30G—1 oz. bottles, w't per doz. 2 lbs.....per dozen **JIE** $1.60

No. 31G—3 oz. bottles, w't per doz., 6 lbs.....per dozen **BJJ** $3.60

No. 38G—8 oz. bottles, w't per doz., 16 lbs.....per dozen **DHJ** $8.00

NOS. 31G AND 38G, ONE DOZEN; NO. 30G TWO DOZEN IN A BOX.

No. 39G—3½ oz. new size, 3½ in. high and 2¼ in. wide, per dozen, **BDJ** $4.00

Will slip easily in the hunter's or fisherman's hip pocket. Is also a handy size for sewing machine and typewriter. The detachable self-sealing spout prevents leakage.

Handy cans come packed in a handsome two-color patented window or counter display box.

ONE DOZEN IN A BOX.

"MANY USE OIL."



No. 32G.

No. 32G—2 oz. bottles, w't per doz. 4 lbs. .....per dozen **JGE** $1.50

No. 36G—6 oz. bottles, w't per doz., 14 lbs.....per dozen **BAE** $3.60

NOS. 32G AND 36G, ONE DOZEN IN A BOX.

"MANY USE" OIL.



No. 42G.

"MANY USE," Prevents Rust, Cleans, Lubricates, Polishes, etc.

No. 42G—2 oz. cans, w't per doz. 2¼ lbs.....per dozen **JIE** $1.60

Cans are provided with a reversible top.

ONE DOZEN IN A BOX.

No. 43G—½ gal. cans, w't per doz. 54 lbs.....per dozen **ADDJ** $24.00

LOOSE.



No. 44-G.

No. 44G—3½ oz. pocket size can with ball bearing spout, per dozen.....**BDJ** $4.00

Can be carried in the pocket very conveniently. Spout opens to allow passage of oil, or closes to make the can oil tight. It is not necessary to remove the cap to operate.

ONE DOZEN IN A CARTON; TWO DISPLAY STANDS OF ONE-HALF DOZEN EACH.

VELOCIPEDES AND TRICYCLES.

VELOCIPEDES.



Frame of Strong Steel Tubing, Reinforced and Brazed at Joints, One Inch Cushion Rubber Tires, Hubs and Pedals Full Ball Bearings, Straight Fork Sides Which Prevent Them From Being Easily Upset When Turning Around, Rear Axle Arch Brazed, Which Will Not Bend When Carrying Passenger on Same, Adjustable Handle Bars With Leather Wound Handle Bar Grips, Saddle Grain Leather with Truss Spring Steel Rims. Beautifully Finished in Rich Black with Gold Stripes, all Bright Parts are Handsomely Nickeled.

Nos.	1150	1151	1152
Wheels—			
Front, in.	16	20	24
Rear, in.	10	14	16
Rub. Tires, in.	1	1	1
Leg Reach, in.	15	18	21
Age	3 to 4	5	6
W't crtd., lbs.	22	28	35
Each	$17.90	22.00	26.30
	AJGE	ACBJ	AEHJ

ONE IN A CRATE.

TRICYCLES.



Frame of Strong Steel Tubing Reinforced and Brazed at Joints, Seat is Upholstered in Seal Leather Fabrikoid, Adjustable, Steel Rim Bicycle Spokes, Ball Bearing Throughout, One Inch Cushion Tires, Highly Finished in Rich Black with Gold Stripes, All Nickel Parts Polished.

Nos.	115	116	117
Wheels—			
Front, in.	10	14	14
Rear, in.	18	24	28
Rub. Tires, in.	1	1	1
Leg Reach, in.	15	18	21
Age	3 to 5	5 to 7	7 to 9
W't crtd., lbs.	30	36	43
Each	$20.00	24.20	28.50
	ABJJ	ADEJ	AGAJ

ONE IN A CRATE.

REVONOC VELOCIPEDES.



Handle Bar Stem Can Be Raised or Lowered, Bicycle Pattern Handle Bars Adjustable in Any Direction, Ball Bearings are Case Hardened, Leather Grips and Saddle, Rat Trap Pedals, Finished in Maroon Enamel with Gold Stripes, All Metal Parts Nickel Plated.

Nos.	15 REVONOC	25 REVONOC	35 REVONOC
Wheels—			
Front, in.	16	20	24
Rear, in.	12	14	16
Rub. Tires, in.	¾	¾	¾
W't crtd., lbs.	30	35	45
Each	$14.00	14.50	15.00
	JIBJ	JIFJ	JIIJ

A five point connection Rear Brace with Extra Wide Axle is furnished as shown in cut. This renders the Velocipede extra strong and steady.

Attention is called to the Spring Seat Post, a feature which reduces all jars to a minimum.

PACKED ONE IN A CRATE.

REVONOC TRICYCLES.



Spring Seat Posts, Full Ball Bearings in Front Wheel and Frame Brackets, Wood Fenders Varnished in Natural Color, Seat and Back of Leatherette, Nickel Plated Arm Rests and Steering Arm with Wound Leather Grip, Finished in Bicycle Maroon.

Nos.	118 REVONOC	120 REVONOC	122 REVONOC
Wheels—			
Rear, in.	18	20	22
Rub. Tires, in.	¾	¾	¾
For girls	2 to 4	3 to 5	4 to 7
W't crtd., lbs.	135	145	185
Each	$14.20	16.50	19.50
	JIJJ	AJHJ	ABFJ

An indispensable and distinctive feature is the Spring Seat Post, affords perfect comfort to the rider and is a selling point which parents will appreciate. These Tricycles, because of their easy running ball-bearings, require a minimum of effort to propel them. Frames are polished before enameling, insuring a smooth, lustrous, durable surface.

ONE IN A CRATE.

VELOCIPEDES.



Frames Black Enamel, Baked On, One Piece Pedal Crank and Front Axle.

Steel Tired.

Nos.	0	1
Front Wheels, in.	14	16
Rear Wheels, in.	10	12
W't crated, lbs.	15	15
Each	$2.40	2.50
	ADE	AEJ
Nos.	**2**	**3**
Front Wheels, in.	20	24
Rear Wheels, in.	14	16
W't crated, lbs.	18	22
Each	$3.00	3.50
	AHJ	BAJ

Rubber Tired.

Nos.	0X	1X
Front Wheels, in	14	16
Rear Wheels, in.	10	12
W't crated, lbs.	15	15
Each	$4.30	4.50
	BFJ	BGJ
Nos.	**2X**	**3X**
Front Wheels, in.	20	24
Rear Wheels, in.	14	16
W't crated, lbs.	18	22
Each	$5.00	5.50
	CJJ	CCJ

PACKED ONE IN A CRATE.

TRICYCLES.



Adjustable Seat Post, Seats Upholstered in Leatherette.

Steel Tired.

Nos.	18	20	22
Wheels—			
Front, in.	10	12	14
Rear, in.	18	20	24
W't crtd., lbs.	35	38	45
Each	$5.60	7.20	8.70
	CCE	DCJ	EBJ

Rubber Tired.

Nos.	18X	20X	22X
Wheels—			
Front, in.	10	12	14
Rear, in.	18	20	24
W't crtd., lbs.	37	40	47
Each	$8.20	9.70	13.50
	JDIJ	JEHJ	JHAJ

ONE IN A CRATE.

VELOCIPEDES, OILERS, SCUDDER CARS, SCOOTERS, ETC.

VELOCIPEDES.



Frames of Heavy Wrought Iron Finished in Red Enamel, Striped in Gold. Ball Bearing Throughout. Nickel Plated Bicycle Pedals. ¾ in. Rubber Tires. Nickle Plated Adjustable Handle Bars. Wound Leather Handle Grips. Genuine Grain Leather Juvenile Adjustable Bicycle Saddle with Double Coil Springs.

No. 460—Front wheel 14 in., rear wheels 10 in., shipping w't each 22 lbs., each .....**JFBJ** $10.30

No. 461—Front wheel 16 in., rear wheels 12 in., shipping w't each 25 lbs., each .....**JFEJ** $10.80

No. 462—Front wheel 20 in., rear wheels 14 in., shipping w't each 31 lbs., each .....**JFIJ** $11.50

No. 463—Front wheel 24 in., rear wheels 16 in., shipping w't each 37 lbs., each .....**JGBJ** $12.00

ONE IN A CRATE COMPLETE.

BICYCLE OILERS.



No. 22-G. No. 21-G. No. 126-G.

No. 22-G—Plain round, screw cap, with needle, nickel plated, height 3¼ in., w't per doz. ⅜ lb., per doz. **JFE** $1.00

No. 21-G—Embossed brass, screw cap, nickel plated, height 2¼ in., w't per doz. ⅜ lb. .....per dozen **ED** $0.80

No. 126-G—Oval, brass, screw cap, nickel plated, height 3½ in., w't per doz. ⅜ lbs. .....per dozen **JFJ** $1.00

NO. 22-G, ONE DOZEN; NOS. 21-G AND 126-G, SIX DOZEN IN A BOX.

SKUDDER CARS.



No. 113—3 ft. 6 in. overall, 10 and 12 in. ball bearing wire wheels with rubber tires, steel frame, steel steering post with 8 in. nickel plated automobile steering wheel, tilting board trimmed in brass and provided with wide rubber mats to prevent slipping, car painted bright red, wheels and axles black, packed, w't each 28 lbs., each .....**DBE** $7.15

A strong, speedy, classy machine, propelled entirely by the weight of the rider standing on the tilting board and throwing the weight of the body first upon one foot and then upon the other, working the board up and down, the power thus generated is transmitted to the new and unique propelling device on the rear axle. Expert riders attain a speed approaching ten miles an hour.

ONE IN A CRATE READY FOR SHIPMENT.

BICYCLE OILERS.



No. 25-G. No. 130-G. No. 140-G.

No. 25-G—Star, square, brass, screw cap, nickel plated, height 3½ in., w't per doz. ⅜ lb. .....per dozen **ABJ** $1.60

No. 130-G—Perfect, round, brass, nickel plated, height 4 in., with self closing valve, w't per doz. ⅝ lb., per dozen .....**BDJ** $4.00

No. 140-G—Star, motorcycle, embossed brass, nickel plated, screw cap, length 6½ in., diam. of can 2⅛ in., w't per doz. 1½ lbs. ...per dozen **AEJ** $2.50

ONE DOZEN IN A BOX.

SCOOTERS.



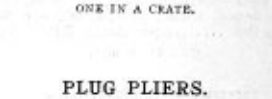
No. 111—Length over all 36 in., footboard 12½x5½ in., natural finish, 10 in. wheels, red, equipped with ball bearings and bicycle adjustable ground cones, ⅜ in. rubber tires, highly finished, frame of half oval steel, cast steering wheel, fancy acorn nut, mud guard over rear wheel, w't each 25 lbs., each .....**BIJ** $4.80

A sturdy, durable, impossible to break scooter, solidly and substantially put together with large husky ten-inch roller bearing wheels that cannot be worn or become wobbly through constant hard usage and friction. A smooth running vehicle that will scoot the boy swiftly and smoothly over the pavement without straining or over exercise. Will not slow down in its own length after each push but will glide smoothly and easily for 35 to 40 ft. at each push.

It is the perfected toy that has the highest endorsement for outdoor exercise.

ONE IN A CRATE.

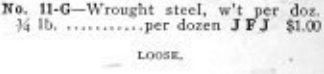
PLUG PLIERS.



No. 11-G—Wrought steel, w't per doz. ¾ lb. .....per dozen **JFJ** $1.00

LOOSE.

SCREW DRIVERS.



No. 02-G—Devore's, 5 in. polished, w't per doz. ½ lb.....per dozen **BF** $0.45

ONE DOZEN IN A BOX.

WRENCHES, VALVE WINGS, TORCHES AND BRAZING FORGES.

BICYCLE WRENCHES.



No. 100-G—Mossberg, 5 in., all steel, hardened, satin finish, w't per doz. 3 lbs. .....per dozen **AJJ** $1.70



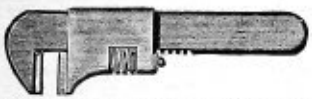
No. 200-G—Mossberg, 5½ in., all steel, hardened, nickel finish, w't per doz. 4½ lbs. .....per dozen **BJE** $3.40



No. 300-G—Mossberg, 6 in., all steel, hardened, nickel finish, w't per doz. 3¼ lbs. .....per dozen **AHJ** $3.00



No. 10-G—Diamond, 5 in., all steel, case hardened, nickel finish, w't per doz. 3¼ lbs. .....per dozen **BCJ** $3.50



No. 01-G—Sterling, 5 in., all steel, case hardened, nickel plated, w't per doz. 3½ lbs. .....per dozen **BHJ** $4.70

ONE IN A BOX.

NIPPLE WRENCHES.



No. 42-G—Victor, nickel plated, diameter 1⅜ in., fits any size nipple, w't per ¾ lb., per dozen ..$2.00 **ABJ**



No. 0-G—Perfect, polished, small size, length 3 in., w't per doz. 1¼ lbs., per dozen .....**DHJ** $8.00

No. 1-G—Perfect, polished, medium size, length 3¾ in., w't per doz. 2¼ lbs., per dozen .....**EAJ** $8.50

ONE DOZEN IN A BOX.

NIPPLE WRENCHES.





No. 010G Bicycle. No. 020G Motorcycle.

No. 010-G—Nickel plated, fits any size nipple, w't per doz. ¾ lb., per dozen ... .**JIJ** $1.50

No. 020-G—Clifford, double ended, nickel plated, fits any size nipple, w't per doz. 1½ lbs. ....per dozen **ABJ** $2.00

LOOSE.

JONES VALVE WINGS.



For Motorcycles and Bicycles.

No. 13—Nickel plated, card 9x10½ in., w't per card of 24, 10 oz., per card .....**JIE** $1.60

Jones Valve Wings take the place of the ordinary hexagonal nut furnished on the valve stem of motorcycles.

The two wings make it easy for the rider to lock the valve stem firmly in place with his fingers, instead of using a monkey wrench or pliers.

Most motorcycle manufacturers are using 40 spokes in the front or rear wheels; this leaves little space between the spokes at the rim for the rider to use a wrench or pliers on the valve nut; should the nut become rounded the tools are practically useless. These wings will aid in pulling the valve stem through the rim. Especially made for counter display.

TWENTY-FOUR ON A CARD; WE DO NOT BREAK CARDS.

GASOLINE TORCHES.



Especially adapted for electricians, jewelers and plumbers, where light work is to be done quickly. Throws a four inch flame. Burns without air pressure.

No. 5-G—Baby, nickel plated, height 4½ in., diam. 1¾ in., capacity about ½ pt., w't ¼ lb. ....each **JIJ** $1.50

GASOLINE TORCHES.



No. 4-G—Heavy polished brass tank, double jet Turner burner, brass air pump in handle, double shouldered needles, wood handle regulator, brass handle, height 9 in., diam. 4 in., capacity 1 qt., w't 5¼ lbs., each .....**JFJJ** $10.00

This burner torch with double jet Turner burner is capable of doing work heretofore deemed impossible. In general appearance this torch resembles the ordinary one-valve soldering torch, yet in the construction of the burners it differs radically from all other appliances. About 3,000 degrees of heat can be obtained with this torch which is nearly double the capacity of all single-valve burners. All parts of this burner are made of heavy brass, the pump is contained in the handle of the torch and air valve is located at the base of the pump barrel, the filler plug is placed at the top of the tank, attachments for soldering copper cannot be applied to this machine and therefore are not included.

ONE IN A BOX.





AUTOMOBILE SUPPLIES

QUICK INDEX

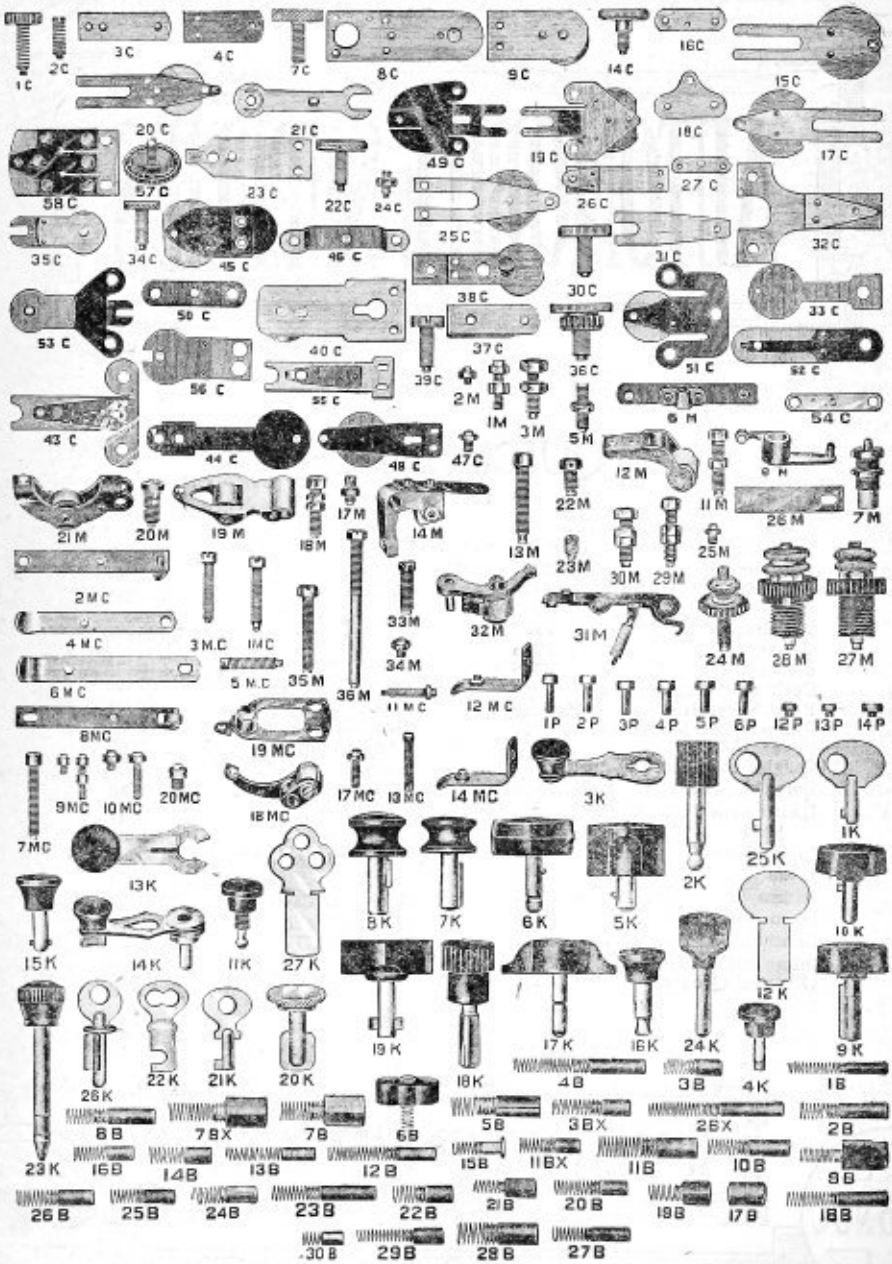
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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





COIL AND MAGNETO PARTS.



COIL AND MAGNETO PARTS.

Entire page CES.

COIL AND MASTER VIBRATOR PARTS.

No.	Per Doz.
1-C—Screw fits O. S. Atwater Kent	$9.60
2-C—Screw fits N. S. Atwater Kent	9.60
3-C—Spring fits O. S. Atwater Kent	8.16
4-C—Spring fits N. S. Atwater Kent	8.16
5-C—Screw fits Auto Coil	10.56
6-C—Spring fits Auto Coil	9.60
7-C—Screw fits Connecticut	9.60
8-C—Spring fits O. S. Connecticut	11.52
9-C—Spring fits N. S. Connecticut	9.60
10-C—Screw fits Depose	11.52
11-C—Spring fits Depose	12.96
12-C—Screw fits Duplex	10.56
13-C—Spring fits Duplex	12.86
14-C—Screw fits 1907 Heinze	9.60
15-C—Spring fits 1907 Heinze	9.60
16-C—Bar fits 1908, '09, '10 Heinze	6.48
17-C—Spring fits 1908, '09, '10 Heinze	9.60
18-C—Bar fits 1911, '12, '13, '14 Ford, Heinze	7.20
19-C—Spring fits 1911, '12 Ford, Heinze	11.52
49-C—Spring fits 1913, '14 Ford, Heinze	10.56
20-C—Spring fits Jacobson & Brandow	11.52
21-C—Bar fits Jacobson & Brandow	11.52
57-C—Screw fits J. & B. Master Vib	16.08
58-C—Spring fits J. & B. Master Vib	19.20
22-C—Screw fits Kingston	9.60
23-C—Spring fits Kingston	8.16
24-C—Screw fits 1911 Ford, Kingston	9.60
25-C—Spring fits 1911 Ford, Kingston	9.60
26-C—Spring fits Ford Reg. Kingston	9.60
26-CMV—Spring fits Ford, Kingston	19.20
27-C—Bar fits Ford Reg. Kingston	8.16
27-CMV—Bar fits Ford Master Vib., Kingston	16.08
45-C—Spring fits Kingston	11.52
46-C—Bridge fits Kingston	8.16
28-C—Screw fits La Coste	10.56
29-C—Spring fits La Coste	9.60
30-C—Screw fits National	9.60
31-C—Spring fits National	8.16
32-C—Spring fits upper New York	10.56
32-CMV—Spring fits upper N. Y. Sr. Master Vib.	19.20
33-C—Spring fits lower New York	9.60
33-CMV—Spring fits lower N. Y. Sr. Master Vib.	19.20
50-C—Spring fits upper N. Y. Jr. Master 1913, 1914 model	16.08
51-C—Spring fits lower N. Y. Jr. Master 1913 model	19.20
52-C—Spring fits lower N. Y. Jr. Master 1914 model	19.20
34-C—Screw fits Pittsfield	9.60
35-C—Spring fits Pittsfield	9.60
53-C—Spring fits New Pittsfield	11.52
54-C—Bar fits New Pittsfield	8.16
36-C—Screw fits Bogart Splitdorf	10.56
37-C—Spring fits Bogart Splitdorf	7.20
38-C—Spring fits Bogart Hmr' Splitdorf	1.70
39-C—Screw fits 1904 Splitdorf	9.60
40-C—Spring fits 1904 Splitdorf	12.96
41-C—Bar fits Synchronized Splitdorf	10.56
42-C—Spring fits Synchronized Splitdorf	12.96
43-C—Spring fits upper reg. K. W	11.52
43-CMV—Spring fits upper Master Vib. K. W.	19.20
44-C—Spring fits lower reg. K. W	11.52
44-CMV—Spring fits lower Master Vib. K. W.	17.76
48-C—Spring fits B. & S. Master 1912	19.20
55-C—Spring fits upper B. & S. Master 1913	20.88
56-C—Spring fits lower B. & S. Master 1913	20.88

GENUINE IRIDIO-PLATINUM POINTS.

Charge for Repointing—	Per Doz.
1—Coil Springs	$7.20
2—Coil Screws	7.20
3—Splitdorf Mag. Screws or Bars	16.08
4—Remy Screws	13.40
5—Remy Springs	13.40
6—Eisemann-Packard Assem. or Lever	12.96
12—Heinze parts	7.20
13—Kingston parts	7.20
14—Master Vibrator parts	16.08

MAGNETO PARTS.

No.	Per Doz.
1-M—Breaker Screw fits Bosch & Simms	$20.88
2-M—Breaker Screw fits Bosch & Simms	20.88
3-M—Breaker Screw fits Bosch dual	24.00
5-M—Breaker Screw fits Briggs	19.20
6-M—Breaker Spring fits Briggs	24.00
7-M—Breaker Assembly fits Eisemann	48.00
8-M—Breaker Lever fits Eisemann	56.40
11-M—Breaker Screw fits Heinze	22.26
12-M—Breaker Lever fits Heinze	24.00
13-M—Breaker Screw fits Kingston	22.26
14-M—Breaker Lever fits Kingston	32.16
17-M—Breaker Screw fits Mea long or short	22.26
18-M—Breaker Screw fits Michigan	19.20
19-M—Breaker Lever fits Michigan	32.16
20-M—Breaker Screw fits National	19.20
21-M—Breaker Lever fits National	36.96
22-M—Breaker Screw fits Pittsfield	24.00
23-M—Breaker Screw fits Pittsfield	24.00
24-M—Breaker Screw fits New Remy RD & RL	27.60
25-M—Breaker Screw fits Remy Breaker Arm RD & RL	24.00
26-M—Spring fits Remy models L & S	19.20
27-M—Breaker Screw fits model L Remy, A grade	27.60
B grade	19.20
28-M—Breaker Screw fits model S Remy, A grade	27.60
B grade	19.20
29-M—Breaker Screw fits Splitdorf models B, D, G, S, L	19.20
30-M—Breaker Screw fits Splitdorf models T, W, X, Y, Z, A	19.20
31-M—Breaker Bar fits Splitdorf models B, D, G, S, L	27.60
32-M—Breaker Bar fits Splitdorf models T, W, X, Y, Z, A	28.80
33-M—Breaker Screw fits Eisemann models EB, EU, EA, EM	22.26
34-M—Breaker Screw fits Eisemann models EM, EU, EA	22.26
35-M—Breaker Screw fits Eisemann dual model EM	24.00
36-M—Breaker Screw fits Eisemann dual models EU, EA, ED	32.16

MAGNETO WRENCHES.

No.	Per Doz.
1-W—Fits Splitdorf, Heinze, Kingston, Michigan	$1.20
2-W—Fits' Bosch, Mea, Simms	1.20
3-W—Fits Eisemann	1.20
4-W—Fits Remy	4.50

MOTOR CYCLE PARTS.

No.	Per Doz.
1-MC—Screw fits Indian and Thor	$8.16
2-MC—Spring fits Indian and Thor	9.00
3-MC—Screw fits Excelsior	8.16
4-MC—Spring fits Excelsior	8.16
5-MC—Screw fits Harley Dav	8.16
6-MC—Spring fits Harley Dav	8.16
7-MC—Screw fits Yale	9.60
8-MC—Spring fits Yale	
9-MC—Screw, long or short, fits Bosch mod. D.A. or D.A.V. plain or ball bearing	16.08
10-MC—Screw long or short, fits Bosch models Z, E, 1 or Z, E, V	20.40
11-MC—Breaker Screw fits Herz O. S. 3 m/m	16.08
12-MC—Breaker Spring fits Herz O. S. 3 m/m	17.76
13-MC—Breaker Screw fits Herz N. S. 3½ m/m	19.20
14-MC—Breaker Spring fits Herz N. S. 3½ m/m	20.88
17-MC—Breaker Screw fits Splitdorf EU or EV	19.20
18-MC—Breaker Arm fits Splitdorf EU or EV	28.80
19-C—Spring fits Berling	28.80
20-C—Screw fits Berling	19.20

SWITCH PLUGS AND KEYS.

No.	Per Doz.
1-K—Key fits Bosch Dual	$1.20
2-K—Plug fits New Connecticut	.50
3-K—Lever fits Old Connecticut	.70
4-K—Plug fits Dow	.50
5-K—Plug fits Heinze	.50
6-K—Plug fits Heinze	.50
7-K—Plug fits Heinze	.60
8-K—Plug fits 1912 Heinze	.60
9-K—Plug fits J. & B. Master Vibrator	.90
10-K—Plug fits J. & B.	.90
11-K—Plug fits Kingston	1.20
12-K—Key fits Kingston	.90
13-K—Lever fits New York	1.80
14-K—Lever fits Old Pittsfield	1.80
15-K—Plug fits New Pittsfield	.50
16-K—Plug fits Splitdorf	.50
17-K—Plug fits Splitdorf	.50
18-K—Plug fits Splitdorf	.60
19-K—Plug fits Old Remy	.60
20-K—Key fits Remy RD Coil	1.00
21-K—Key fits Remy LE Coil 1913	.90
22-K—Key fits Remy RD Coil 1913	.90
23-K—Plug fits K. W. Coils	1.00
24-K—Plug fits Indian and Thor	1.50
25-K—Key fits Bosch Plain Switch	1.20
26-K—Key fits Briggs	1.20
27-K—Key fits Michigan	1.20
28-K—Key fits 1913 Splitdorf T. S. Coil	.90
29-K—Key fits 1914 Splitdorf T. S. Coil	.90
30-K—Key fits Eisemann Dual Coil	1.20
31-K—Key fits Simms Dual Coil	.90

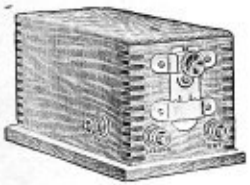
CARBON AND GAUZE BRUSHES.

No.	Per Doz.
Bosch Collector Brushes for	
1-B—Model D.A.V. ball bearing	$1.20
2-B—Model D.A.V. plain bearing	1.20
2-BX—Model 1 cyl. DA. plain or ball bearing	1.20
3-B—Model Z.E.V.	1.20
3-BX—Model Z.E.1.	1.20
4-B—Models DU, DR, or D, 4, 6	1.50
10-B—Model ZR	1.50
Bosch Conductor Bar Brushes for	
5-B—Models DR, D, 4 and 6	2.00
Bosch Distributor Brushes for	
6-B—Model DU 4	2.00
7-B—Models DR, D 4 cyl.	1.80
7-BX—Models DR, D, 6 cyl.	1.80
8-B—Dual Holder-models D, DR, ZR, 4, 6	1.20
9-B—Model ZR	2.00
11-B—Remy Carbon Brushes	1.20
11-BX—Remy Carbon Brush for models RD, DL	1.20
12-B—Splitdorf Carbon Brushes	1.20
13-B—Splitdorf Gauze Brushes	1.20
14-B—Splitdorf Cophite Brush for models W, X, Y, Z	3.50
Eisemann Brushes	
15-B—Steel for model E	1.50
16-B—Carbon for model E	1.50
17-B—Carbon for model A7	1.50
18-B—Carbon Collector for EA, EU, ED, EM, EB	1.50
19-B—Carbon Distrib. for EA, EU, ED, EM, EB	1.50
20-B—Carbon Conductor Bar for model EM	1.50
Mea Brushes	
21-B—Carbon Distrib. models BH, BK, 4 cyl.	1.80
22-B—Carbon Distrib. models BH, BK, 6 cyl.	1.50
23-B—Carbon Collector models BH, BK, 4 and 6 cyl.	1.50
24-B—Kingston Gauze Brushes	1.50
25-B—Kingston Carbon Brushes	1.20
26-B—National Carbon Brushes	1.20
27-B—Natl. & Michigan Gauze Brushes	1.20
28-B—Michigan Carbon Brushes	1.20
29-B—Herz Carbon Brushes	1.20
30-B—Splitdorf Gauze Brushes models EU, EV	1.20

These are factory numbers. Before ordering parts, compare carefully with your corresponding parts. Order by number. We cannot accept for credit or exchange any parts after shipment. Sent by mail at purchaser's risk only.

COILS, VIBRATORS AND VACUUM SYSTEMS.

SPARK COILS.



No. 5004—1 cylinder, each **CCJ** $5.50

The material used in the construction of a spark coil is most important, and in the manufacture of this coil no expense has been spared and only the best material used throughout.

Every coil is tested with twice its working voltage before leaving the factory. The windings are of non-absorbent enameled wire. The best coil made at a moderate price.



SPLITDORF, Standard Vibrating.

No. 5005—1 cylinder, each **JGBJ** $12.00

No. 5006—2 cylinder, each **ADDJ** 24.00

The standard box type coils are made up of the very best grade of material and are mounted in nicely finished oak boxes. These coils are especially adapted for stationary and marine engine uses. They are equipped with the latest type of Bogert Vibrator and ratchet screw and are guaranteed to give a full fat one-half inch spark on a very small consumption of battery current.

"MASTER" VIBRATORS.



No. 5040—New York, dash coil type of Master Vibrator, with switch, each ..... **JFJJ** $10.00

This Master Vibrator is designed especially for Ford Cars, and has proven satisfactory after years of trial. The coil consists of a powerful condenser which is connected in series with the regular coil the whole being enclosed in a neat, compact mahogany case. This coil interrupts the current or becomes the Master Vibrator for all your coils, insuring uniform and perfectly timed ignition from each coil. But one adjustment is necessary, reducing your ignition system to the simplicity of a single cylinder car at the same time increasing speed, power and flexibility.

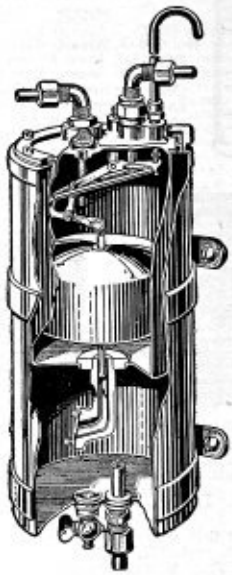
MAKE AND BREAK COILS.



No. 5035—Square ends, winding, 8 in. long, w't 10 lbs.....each **ADE** $2.40

These coils are for use with make and break engines, farm engines, traction and all types of stationary engines. Made simple, strong and substantial.

VACUUM SYSTEMS.



No. 6170—Stewart Vacuum Tank is a small, convenient sized brass tank mounted on engine side of dash, working entirely automatically, not dependent on air pressure or other complicated systems, it is self-contained, simple in construction, automatic, fitted to any car, w't each 3½ lbs. .....each **JGJJ** $13.32

It insures an absolutely positive gasoline feed. Once installed it can be forgotten as there is nothing that requires attention.

The intake strokes of the motor create a vacuum in the upper chamber of the tank, and this vacuum draws gasoline from the supply tank. The lower chamber is always open to the atmosphere, so that the gasoline flows to the carburetor, as required, uninterruptedly and with an even pressure.

Does away with all need of pressure—eliminates pressure pumps, air gauges, extra line of piping to rear, gasoline filter—does not require air-tight supply tank, nor air-tight filler caps.

Tank is located under hood on front side of dash—heat of engine warms gasoline and assists carburetion.

A pet cock in bottom of tank allows you to draw gasoline, if required, for priming or cleaning purposes.

ONE IN A BOX.

BATTERIES, AMMETERS. SWITCHES, TESTERS, ETC.



DRY BATTERIES.

No. 700-G REVONOC—1½ volts, 2½x6 in., 15 to 18 amperes, for use with telephones, gas engines, automobiles and wherever intermittent service is needed, w't 2 lbs. .....each **CJ** $0.52





No. 406-G—160-JG. No. 1406-G.

No. 406-G—160-JG—Ever Ready, round carton, style "J," 2½x6 in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 2½ lbs. .....each **CF** $0.62

No. 407-G—170-KG—Ever Ready, round carton, style "K," 3x7 in., 1 6-10 volts, 27 to 30 amperes, for use on automobiles, gas and gasoline engines, motorcycles, etc., w't 3¾ lbs., each ..... **JFE** $1.12

No. 1406-G—Ever Ready, square carton, 2½x2½ in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 2½ lbs., each ..... **CF** $0.62

NOS. 700-G, 1406-G AND 406-G, ONE HUNDRED AND TWENTY-FIVE; NO. 407-G, SEVENTY-FIVE IN A BARREL.

CHARGOMETERS.



No. 6265—All parts interchangeable, hydrometer scaled from 1.150 to 1.300 specific gravity, in .005 degree graduations and standardized at 60 deg. F., which is ordinary air temperature, a fully charged cell should show about 1.280 specific gravity and a completely discharged cell about 1.150 specific gravity, rubber and glass, length over all 15 in., w't each 1 lb. .....each **BJJ** $3.30

The surest and simplest method of determining the condition of a storage battery is to obtain the specific gravity of the liquid or electrolyte. The chargometer is so constructed that a test of the gravity of the electrolyte may be quickly and accurately made. To assemble the chargometer for use, remove the bulb and rubber stopper from the top and insert the hydrometer with the shot weighted end down, replace the stopper and bulb and the chargometer is ready for use.

SWITCHES.



No. 5131—Acme, rubber base, phosphor bronze removable lever, adapted for lighting purposes, per dozen .....**BAJ** $3.00

Extra Levers, for No. 5131, per dozen .....**JGJ** 1.20

GASOLINE HYDROMETERS.



No. 6263. No. 6264.

No. 6263—Taylor's improved, w't each 2 oz. .....each **JIJ** $1.50

For automobile kits, combined with thermometer and correction scale, for variations in temperature, complete with test jar. Wrapped in a soft red flannel pouch and packed in a nickel brass case 1x6 in. so that when not in use it may be safely carried in kit of tools carried by autoists or motor cyclists.

No. 6264—W't 2 oz.....each **CJ** $0.50

This instrument covers a range of Baume Scale from 60 to 82 or 85 degrees. It is contained in a flannel bag, inclosed in a glass testing jar, and encased in a round wooden carrying case 4½ in. long by 1 in. in diameter.

AMMETERS.



For Reading Current in Amperes.

No. 1002-G—1-G—Ammeter, 0-35 amperes, 2 in., nickel plated metal dial, each ....**JHJ** $1.30

For Reading Current in Both Amperes and Volts.

No. 1003-G—8-G—Volt ammeter, 0-35 amperes, 0-10 volts, 2 in. nickel plated metal dial, each ....**JIE** $1.60

GASOLINE HYDROMETERS.



No. 6267—"Break Not," glass and rubber, so constructed as to be practically non-breakable, per dozen .....**JGBJ** $12.00

Easy to operate, accurate, and a necessity to every car owner.

ONE IN A BOX.

BATTERY TESTERS.



No. 6266—Metal, with glass tube, rubber bulb, w't each 4 oz., each **JIJ** $1.50

The gauge in the storometer indicates the specific gravity of the fluid when it is withdrawn by pressure on the bulb after pointed tube is inserted in the opening of the storage cell. The proper density of the fluid when battery is fully charged should be from 1215 to 1250. Assuming that a reading is to be taken at full charge and it is 1225, then starting to discharge at 1225: 80 per cent of charge is left when gauge indicates 1200. 60 per cent of charge is left when gauge indicates 1175. 40 per cent of charge is left when gauge indicates 1150. 20 per cent of charge is left when gauge indicates 1125. Practically exhausted when gauge indicates 1100. These figures are not absolutely accurate, but will serve approximately to indicate the state of charge.

SPARK PLUGS.



Mezger Sootproof.

No. 5237—½ in., Mezger porcelain plug, per dozen ..... DCJ $7.20

No. 5238—⅞ in., 18 thread, Mezger porcelain plug, per dozen DCJ 7.20

No. 5240—Sootproof porcelain, extra, per dozen .....BIJ $4.80

Standard the country over and universally used.



No. 5246 —Porcelain, ½ in., standard.....per dozen EJE $8.40

No. 5246-A —Special for Ford cars, ½ in., porcelain, w't each 4 oz., per dozen .....EEJ $8.40

No. 5247 —Porcelain, ⅞ in., 18 thread A. L. A. M., per dozen .....EJE $8.40

No. 5248—Porcelains for spark plugs, extra, per dozen BAE $3.60

The name stands for the best of everything in spark plugs; genuine imported porcelain. They will stand the heat of any high tension magneto. plugs are guaranteed to give satisfaction.

This plug is the same size and model as No. 5246 , except that it has a long hexagon steel sheel, permitting easy access to it with a wrench when plug is used in a deep-seated valve cage as is the case on Ford cars.

ONE IN A BOX.



No. 5249—Cruso, porcelain, ½ in., standard .....per dozen DCJ $7.20

No. 5250—Cruso, porcelain, ⅞ in., 18 thread, A. L. A. M., per dozen ..... CJ $7.20

No. 5250-A—Cruso per doz. BAE $3.60

SPARK PLUG PORCELAINS.



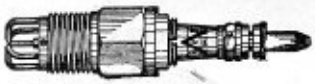
Red Head.

No. 5251—½ in. porcelain, per dozen .....EJE $8.40

No. 5252—⅞ in., 18 thread, porcelain, per dozen .....EJE $8.40

No. 5254—Porcelains, extra, per dozen .....DJJ $6.72

The Red Head is one of the best known and most popular plugs on the market, due to its simple, but effective construction.



"V-RAY."

No. 5292—½ in., per doz. JHFE $14.40

No. 5293— ⅞ in., 18 thread, per dozen .....JHFE $14.40

The "V-Ray," with its penetration of electrodes, delivers the spark to the gas-area. Other plugs await the belated delivery of the gas to the spark-area in cylinder-wall.

The "V-Ray" has the only self-cleaning device yet devised in plugs.

The "V-Ray" is the ideal "cold-weather plug;" once over cranks your car or engine.

The "V-Ray" terminal cap fits every known terminal.

The "V-Ray" won't soot or miss. The porcelain is too far away to permit the splashing of oil; the Phoenix alloy electrodes can't corrode from heat.

Every part unqualifiedly guaranteed for life. This includes porcelain and metal.



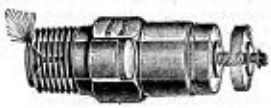
KINGSTON MICA.

No. 5300—½ in., per dozen EGE $9.60

No. 5301—⅞ in., 18 thread, per dozen ..... EGE $9.60

No. 5302—Metric, motorcycle special, per dozen ..... EGE $9.60

These plugs are made from mica of best obtainable grade and are recognized as the standard of all mica plugs.



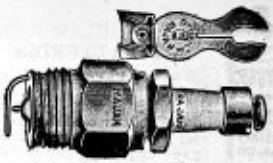
Bougie Mercedes.

No. 5276—½ in., per dozen ABIE $21.60

No. 5277—⅞ in., 18 thread, per dozen ..... ABIE $21.60

No. 5279—Motorcycle, per dozen ..... ABBE $20.40

Made of unbreakable stone, which being pressed and baked at a temperature of over two thousand degrees, will withstand the highest temperature without cracking.

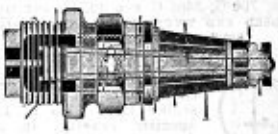


No. 5266—Rajah, ½ in., porcelain, per dozen ..... AJAJ $16.80

No. 5267—Rajah, ⅞ in., 18 thread, porcelain.....per dozen AJAJ $16.80

No. 5269—Porcelains, extra, per dozen ..... EBJ $8.64

This plug is simple in construction, easy to repair or replace porcelain, and is thoroughly mechanical in every respect. Insulation—Highest grade imported hard fire porcelain of special pattern, securely packed, which insures against firing through. The new clip terminal does away entirely with the necessity for either thumb screw, nut or other device for attaching or securing wire or cable to spark plug.



Splitdorf.

No. 5272—½ in., standard, per dozen ..... JGIJ $13.20

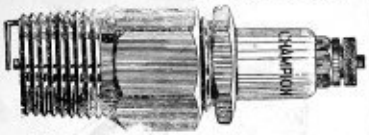
No. 5273—⅞ in., A. L. A. M., per dozen ..... JGIJ $13.20

No. 5275—Motor Cycle Metric, per dozen ..... JGIJ $13.20

Splitdorf common sense plug, taper pin wound with sheet mica, covered with mica washers drawn tight under pressure, impossible to become leaky, firing chamber, soot and oil proof sparking points made of platinum, a valuable plug especially adapted for magneto ignition.

SPARK PLUGS AND CARBURETORS.

CHAMPION REGULAR PLUGS.



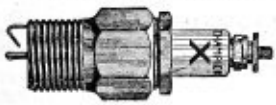
Highest Quality Porcelain Center Wire Baked in, No Chance for Leakage, Nickel Points Cannot Corrode, Oxidize or Carbonize.

No. 5284—½ in., per doz. JFJE $10.08
No. 5285—A. L. A. M., per dozen ..... JFJE $10.08
No. 5286—Metric, per doz. JFJE $10.08
No. 5287—Porcelains only, per dozen ..... DJJ $6.72

These plugs are not only one of the oldest makes on the market, but are one of the best. Will be used on regular equipment on 60% of the 1915 automobiles. Plugs guaranteed against imperfections in material or construction.

ONE IN A CARTON.

CHAMPION X PLUGS.



Best Grade Porcelain, Separable Core, Gasket Construction, Similar to Regular Champion.

No. 5280—⅝in., per doz. ECE $8.88
No. 5283—Porcelains only, per dozen ..... CFJ $6.00

The Champion X Plug has no equal for the price, and will not foul or soot. This plug is regular equipment on 1915 Fords and Reos.

ONE IN A BOX.

CHAMPION PRIMING SPARK PLUGS.



No. 5310—½ in., w't each 1 oz., per dozen ..... JICE $15.60

This plug is particularly adapted to Ford Cars.

Starts any motor any time on one-quarter turn.

ONE IN A BOX.

SPARK PLUG BUSHNGS.



No. 5352—Threaded with metric thread inside, standard ½ in. outside, per dozen ..... JHE $1.44

This little appliance makes it possible to use any high grade French spark plug on any machine.

SPARK PLUG BRUSHES.



No. 5354—Presco, wire bristles, hair tuft, 2 tempered thin flat steels, per dozen ..... AHJ $3.00

CARBURETORS.



Schebler, Model "L" Water Jacketed Feed Automatically Controlled Finer Adjustments.

No. 5432—1 in. iron pipe size, each ..... AJHJ $18.00
No. 5433—1¼ in. iron pipe size, each ..... ABJJ $20.00
No. 5434—1½ in. iron pipe size, each ..... AEJJ 25.00
No. 5435—1¾ in. iron pipe size, each ..... AHJJ $30.00

The Model "L" carburetor has several new features. The air valve is interchangeable so that air can be drawn from either top or bottom.

The amount of fuel entering the mixing chamber is controlled automatically by means of a needle valve, directly connected to a roller operating on a cam spring adjustable to different angles by means of the cam spring adjusters. A standard needle is furnished with this carburetor.

The carburetor is provided with a water jacket around throttle, and this should in every case be connected up with the hot water coming from the cylinders, or hot air from the exhaust.

CARBURETORS.

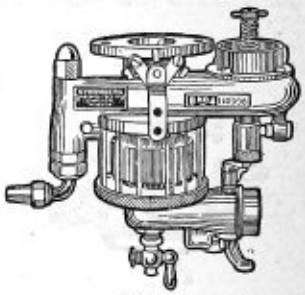


Schebler, Model "D" Standard for Automobiles, Marine and Stationary Engines.

No. 5426—1 in. pipe size, each ..... JIFJ $16.00
No. 5427—1¼ in. pipe size, each ..... AJBJ $17.00
No. 5428—1½ in. pipe size, each ..... ACBJ $22.00
No. 5429—2 in. pipe size, each ..... BFDJ $4.00

Model "H" for Motorcycles.

No. 5430—¾ in pipe size, each ..... JIJJ $15.00
No. 5431—1 in. pipe size, each ..... JIFJ 16.00



Type B.

Stromberg.

No. 5454—1 in. .....each AECJ $25.50
No. 5455—1¼ in. .....each AGAJ 28.50
No. 5456—1½ in. .....each BJGJ 34.50
No. 5457—1¾ in. .....each BEBJ 42.00

The type B carburetor is made for small motors where the space for installing carburetors is limted, also for use on motors that are air cooled or that have the thermo-syphon cooling system. The type B has the independent low and high speed adjustments the same as type A and will develop the same power and speed. It can be attached to any car.

IMPORTANT.

All Stromberg carburetors are sold without fittings. Fittings extra. In ordering, state name and model of car, size and style carburetor wanted, with or without fittings. Prices on fittings and parts furnished upon request.

CARBURETORS, CARBURETOR FITTINGS, ETC.

CARBURETORS.

Stromberg.



Type H, Non Water Jacketed.

No. 5459—1 in. .....each **AHJJ** $30.00
No. 5460—1¼ in. .....each **BJCJ** 33.80
No. 5461—1½ in. .....each **BBEJ** 37.50

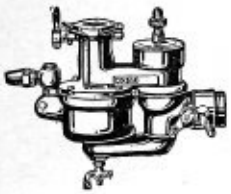
Unless otherwise specified, a double dash control at $4.00 additional is shipped with each of these "H" carburetors.

Type "HB" Horizontal Outlet.

No. 5462—1 in. .....each **AHJJ** $30.00
No. 5463—1¼ in. .....each **BJCJ** 33.80
No. 5464—1½ in. .....each **BBEJ** 37.50

Unless otherwise specified, a double dash control at $4.00 additional is shipped with each of these "HB" carburetors.

ONE IN A BOX.



Type KO.

No. 5465—1 in. .....each $23.50
Steering Post Control ....each 3.00
Air Heating Housing .....each 1.50
Necessary Metallic Tubing..... 1.50

Complete Equipment .....**AGGE** $29.50

Model "KO" is especially constructed for the Overland car, but will fit and work on any car using a 1 in. carburetor to very good advantage.

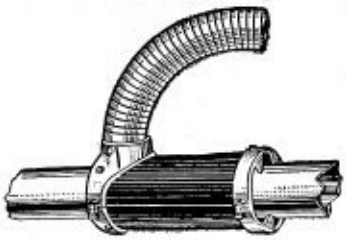
In ordering, give year and model of your car.

In order to obtain the most economical results the entire instrument must be in perfect working order, it must deliver the right mixture at the right time.

These new improved types meet the demand for maximum power, low throttle, rapid acceleration, economy from the heavy fuel now used and proof against climatic and weather changes.

ONE IN A BOX.

CARBURETOR FITTINGS.



Sheet Iron Housings.

No. 5480—1½ in. diam., each **ABJ** $2.00

No. 5481—2 in. diam., each **ABJ** 2.00

No. 5482—2½ in. diam., each **AEJ** 2.50

Flexible Metal Tubing.

No. 5483—1 in. diam., per ft. **CE** $0.60

No. 5484—1¼ in. diam., per ft. **DJ** .70

No. 5485—1½ in. diam., per ft. **EJ** .80

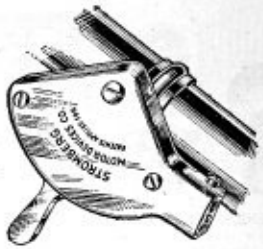
No. 5486—1¼ in. diam., per ft. **JFJ** 1.00

Order housing to fit outside diameter of exhaust pipe at point where you wish to connect.

Smooth running depends upon complete vaporization of all the gasoline passing through the carburetor.

The Manifold Housing Equipment introduces the warm air, drawn from around the heated exhaust manifold, into the bottom air intake of the carburetor. The heated air passing the gasoline nozzle causes a complete vaporization of the gasoline. The result is increased economy and smoother running.

STEERING POST CONTROL.



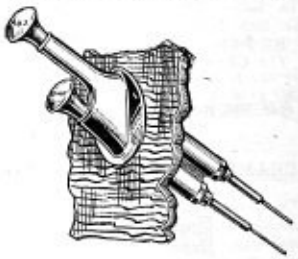
No. 5488—Made of high grade material, superior workmanship, finished in heavy nickel plate, complete including 60 inches tubing and wire, each .....**AHJ** $3.00

This steering post control operates the auxiliary gasoline needle valve of the carburetor and facilitates starting without any danger of back fire.

By a double rocker arm device, just the right mixture may be obtained for all requirements.

IN BOXES.

DOUBLE DASH CONTROL.



No. 5490—Complete, including 84 inches of tubing and wire...each **BDJ** $4.00

Instead of the carburetor control being attached to the steering post it is connected to the dash board and, in addition, has the extra lever for operating the strangle valve.

These controls enable you to change your gasoline mixture and air supply at will.

Even though the carburetor and engine are at zero temperature, the high vacuum produced by closing all air inlets makes the engine start without trouble.

IN BOXES.

CABLES, CONNECTORS, TERMINALS, ETC.

ELECTRIC TERMINALS.



No. 5501. No. 5502. No. 5503.



No. 5504.

No. 5501—Copper ....per 100 **C J** $0.50
No. 5502—Copper ...per 100 **C J** $0.50
No. 5503—Copper ...per 100 **E E** $0.90
No. 5504—Copper ...per 100 **J G J** $1.20

BATTERY CONNECTORS.



No. 5506—L'gth 5 in., per 100 **J I J** $1.50

This terminal is made of extra heavy insulated cord; corrugation makes the spring that keeps the nut tight so it cannot jar loose.



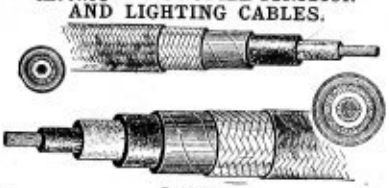
No. 5508—Perfection, spring, snap into place instantly, forming a positive connection that will not become loose or jar off—

Per hundred .....**C J J** $5.00
Per thousand .....**B D J J** $40.00

Installed and removed by hand without difficulty.

ONE HUNDRED IN A BOX.

REVONOC AUTOMOBILE IGNITION AND LIGHTING CABLES.



Ignition.

Primary or Low Tension.

No. 5601 REVONOC—Composed of 26 No. 30 plain copper wires insulated with rubber, finished with one glazed red braid, diam. $\frac{1}{8}$ in., per foot **J C** $0.06

No. 5602 REVONOC—Composed of 40 No. 30 copper wires insulated with high grade rubber, one varnished cloth tape and one oak colored varnished glazed braid, diam. $\frac{1}{8}$ in., per foot .....**J D** $0.08

Rubber Covered Primary.

No. 5603 REVONOC—Composed of 40 No. 30 copper conductors insulated, to a diam. of 6-32 in., red and black rubber, plain finish, diam. $\frac{1}{8}$ in., per foot .....**J E** $0.10

Rubber Covered Secondary or High Tension.

No. 5604 REVONOC—Composed of 40 No. 30 copper wires, one cotton wrap, four layers gray rubber, 9-32 in. over all, plain finish, diam. $\frac{1}{8}$ in., per foot .....**J H** $0.18

Rubber Covered Magneto Special.

No. 5605 REVONOC—Composed of 37 No. 27 B. & S. G. tinned copper wires, insulated to a diam. of 7-20 or 9 in. with black, red and black rubber, diam. 11-32 in. .....per foot **A A** $0.18

Medium Secondary or High Tension.

No. 5606 REVONOC—Composed of 19 No. 27 copper wires insulated with 5-64 in. high grade rubber having 1-32 in. white core, two yellow varnished cloth tapes over the core, one soft braid saturated with clear wax and finished with oak colored glazed varnished braid, diam. 11-32 in., per foot .....**A J** $0.20

Secondary or High Tension.

No. 5607 REVONOC—Composed of 19 No. 27 copper wires, three layers high grade rubber, three yellow varnished cloth tapes, one soft braid saturated with clear wax, one oak colored glazed varnish braid, diam. ½ in., per foot .....**A D** $0.24

Automobile cables are called upon to stand more severe service than almost any type of electric conductors. By the use of REVONOC *cable, unexcelled quality, safety and durability are assured.*

Lighting.

No. 5608 REVONOC—Single Special Lighting cable, composed of 40 No. 30 B. & S. G. tinned copper wires, 35 mils high grade rubber, one varnished cloth tape, one oak colored glazed waxed braid, diam. $\frac{1}{8}$ in., per foot .....**J D** $0.06

No. 5609 REVONOC—Double conductor lighting cable composed of two strands No. 5601 cable, one with plain red braid, the other with brown braid, both being covered with the regular REVONOC oak colored glazed waxed braid .....per foot **J G** $0.12

This type of wire has been designed to withstand the most severe auto-lighting conditions, and especially for use with lighting Generators, etc., now in such common use. REVONOC *Lighting wire is made up in single and duplex form.*

"HANDY" FLUSH PUSH SWITCHES.



No. 5136—Red fibre, 1x2¼ in. lemon brass finish .....each **J E J** $0.80

"HANDY" SEPARABLE CONNECTORS.



No. 5559.

Nos.	5559	5560
Diam., in.	½	⅝
Length, in.	1¼	1⅜
Each	$0.40	.42
	B D	**B E**

Insulating parts genuine hard rubber, balance lemon brass finish.

"HANDY" CONNECTORS.



No. 5562—Ediswan, bayonet catch, cannot jar loose, diam. ⅝ in., each .....**D B** $0.70

No. 5563—Ediswan, open terminals—for soldering—instead of screw, otherwise same as No. 5562.....each **C F** $0.60

DETROIT "ARKLESS" AUTOMOBILE FUSES.

Here is a list of automobiles using fuses in connection with their electrical equipment. The Figures opposite each make of car show the type of Detroit "Arkless" fuse which can be used on these cars. Types shown are full size. Use this information in ordering fuse replacements. It will save you and your customer time and money.

GASOLINE CARS.

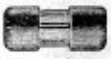
Make of Car	Type No.	Amps.	Volts
Allen	3	15	6
Allen	3	5	6
Arbenz	4	10	6
Auburn	3	5	6
Auburn	5	15	6
Briggs-Detroiter	3	10	6
Briggs-Detroiter	5	15	250
Briscoe	3	15	12
Cadillac	4	15	6
Cadillac	6	25	250
Chadwick	4	5	10
Chadwick	5	15	10
Chalmers	6	15	250
Chalmers	6	20	250
Chandler-Six	5	5-15	6
Chandler-Six	1	20	6
Chevrolet	6	20	250
Cole	4	15	12
Crawford	1	20	6
Crawford	5	5-15	6
Cunningham	4	15	12
Davis	1	20	6
Davis	5	15	6
Detroiter	5	15	12
Dispatch	4	10	6
Dodge	4	10	6
Dorris	5	5	7
Dorris	5	25	7
Dorris	5	15	7
Empire	3	15	6
Fiat	5	5-15	250
Ford	1	20	6
Franklin	5	15	250
Franklin	3	18	14
Glide-36	5	5-15	6
Hudson	4	15	6
Hupmobile	5	15	250
Hupmobile	4	15	12
Hupp	4	15	6
Jeffery	4	10	6
Kissell	4	10	6
Kissell	5	10	6
Kline	5	4	7
Kline	5	30	250
Knox	4	10	6
Lexington	3	10	6
Lexington	5	10	6
Lexington	6	15	250
Locomobile	5	15	7
Lozier	6	10	250
Lyons-Knight	4	5	25
Marion	5	5-15	6
Marmon	3	20	12
Marmon	4	20	12
Maxwell	3	20	6
Mercer	5	9	250
Metz	1	20	6
Mitchell	3	15	6
Moline-Knight	5	10	6
Monroe	6	20	250
National	4	15	6
Norwalk	5	15	6

Make of Car	Type No.	Amps.	Volts
Oakland	4	15	6
Overland	1	20	6
Overland	6	30	6
Packard	3	10	6
Paige-Detroit	1	20	6
Pathfinder	1	20	6
Pathfinder	5	15	6
Peerless	6	30	250
Pierce-Arrow	5	5	10
Pierce-Arrow	5	10	6
Pierce-Arrow	5	30	6-25
Pope-Hartford	4	10	6
Pratt	1	20	6
Premier	4	10	6
Regal	5	4	7
Reo	4	2	6
Reo	4	5	6
Saxon	5-G	30	6
Singer	5	5-15	6
S. G. V.	5	6	6
S. G. V.	5	30	6
Spaulding	5	1-3	18
Speedwell	4	15	10
Staver	4	15	6
Stearns-Knight	1	20	6
Stevens-Duryea	5	20	6
Stevens-Duryea	5	15	6
Studebaker	4	15	6
Studebaker	3	15	6
Studebaker	1	20	6
Stutz	4	20	6
Stutz	6	20	250
Stutz	1	20	6
Velie	1	20	6
White	4	10	6
Willys-Knight	6	10	250
Winton	5	15	6
Winton	5	10	6
Winton	5	6	6
Winton	1	20	6
Zimmerman	3	15	6

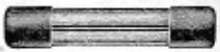
ELECTRIC CARS.

Make of Car	Type No.	Amps.	Volts
Argo	5	4	40
Bailey	6	10	250
Baker	5	10	110
Borland	5	5	80
Broc	5	5	80
Century	6	10	250
Chicago	5	10	40
Dayton	6	12	250
Detroit	5	5	250
Detroit	6	15	250
Detroit	6	10	250
G. M. C.	5	6	250
Grinnell	6	15	250
G. V. C.	6	5	90
Ohio	6	10	250
Standard	6	15	250
Waverly	4	5	100
Wood	5	5	250

FULL SIZE ILLUSTRATIONS "ARKLESS AUTOMOBILE FUSES.



Type No. 1—Glass Tube
Dimensions—¼ in. diameter, ⅝ in. long



Type No. 3—Glass Tube
Dimensions—¼ in. diam., 1⅜ in. long



Type No. 4—Paper Tube
Dimensions—¼ in. diam., 1¼ in. long



Type No. 5—Fiber Tube
Dimensions—⅛ in. diam., 1½ in. long



Type No. 5-G—Glass Top
Dimensions—⅜ in. diam., 1½ in. long



Type No. 6—Fiber Tube
Dimensions—½ in. diameter, 2 in. long

Type Nos. 1 and 3 are good for any voltage up to and including 15 volts.

Type No. 4 is good for any voltage from 2 to 25 volts.

Type Nos. 5 and 6 are good for any voltage from 2 to 250 volt.

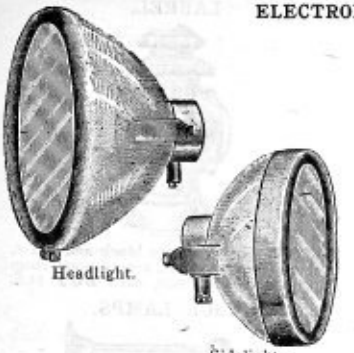
Type No. 5-G is good for any voltage from 2 to 25 volts.

Types	1 & 3	4, 5,&5-G	6
Per dozen	$1.00 JFJ	2.60 AEE	3.60 BAE
Per 100 in one shipment	$5.00 CJJ	18.00 AJHJ	25.00 AEJJ

Order by type number, giving the required amperage and make of car if possible.
We do not fill orders for less than one dozen
100 IN A PACKAGE.

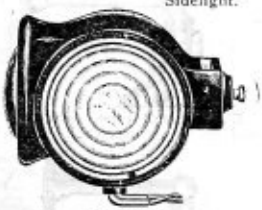
ELECTRIC AND GAS LAMPS.

ELECTROBOLA LAMPS.



Headlight.

Sidelight.



Tail Light.

The body, reflector and supporting lugs of this lamp are combined in one solid aluminum casting, which is lightest and whitest metal possible for this purpose. This construction gives great strength, maximum reflecting surface and at the same time makes them practically indestructible. Collisions and bumps which would demolish the ordinary lamp, have no effect on "Electrobolas." The reflecting surface is accurately ground, highly polished and will absolutely not tarnish. The brilliancy of the "Electrobola" is unexcelled and is so great that it will cast a shadow through the light of the ordinary Acetylene Lamp. A pair of "Electrobola" Head Lights with 16 candle power Mazda bulbs (which are furnished with these lamps) will light up the roadway for a distance of 700 feet. When used with a general outfit the cost of maintenance is virtually nothing. When used in connection with a battery, the operating expense is less than one-half that of a gas outfit. The construction and method of fastening the lens make them dust and moisture proof, non-vibrating and noiseless, at the same time projecting a steady, non-flaring, penetrating white light. "Electrobola" lights also do away with fire risks and disagreeable, gaseous odors. "Electrobolas" are regularly equipped with hard rubber plug connectors and the celebrated Edi-Swan bayonet sockets which hold the bulbs firmly in place, eliminating the possibility of their coming loose and breaking.

Nos. 5671, 5670, 5663 and 5645 Lamps are finished regularly in Black Enamel with Nickel Trimming. They can be supplied without additional cost in black enamel finish with brass trimming or in the polished aluminum finish.

No. 5671—Headlight, diam. of reflector and lens 8 in., 6 volt, 12 candle power, per pair★ ..... **AFJJ** $26.68

No. 5670—Headlight, diam. of reflector and lens 10 in., 6 volt, 15 candle power★ .....per pair **BJJJ** $37.74

No. 5663—Sidelight, diam. of reflector and lens 6 in., 6 volt, 6 candle power, per pair★ ..... **AABJ** $18.68

No. 5645—Tail light, diam. of reflector and lens 3½ in., 6 volt, 4 candle power★ .....each **CBE** $5.39

FRENCH STYLE TAIL LAMPS.



No. 5706—Heavy gauge steel body, 4 in. diam. fresnal white lens to illuminate license pad, red fresnal lens to rear combination bracket, w't each 2 lbs., each ..... **AHJ** $3.00

These lamps are used as regular equipment on several of the best cars, being patterned after the French style. Being made of steel, body is solidly welded together. Will not jar or rattle loose and are specially adapted for use on trucks.

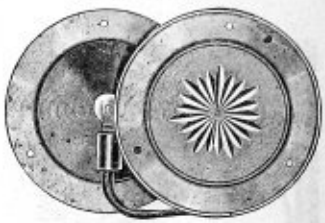
FRENCH STYLE STEEL BODY SIDE LAMPS.



No. 5705—Heavy gauge steel, 4 in. diam. round body, fresnal lens, combination bracket, black enamel, nickel trimmed, w't per pr. 3 lbs., per pair ..... **CFJ** $6.00

★*FOR FACTORY SHIPMENT ONLY.*

ELECTRIC INSERT COWL DASH LAMPS.



No. 5695—5 in. diam., white semaphone with frosted rosette, sunken glass, lamp sets in dash being held by 3 screws, opens from rear, Edi-swan socket, w't per pr. 2 lbs., per pair ..... **CFJ** $6.00

This price does not include bulb.

These lamps have a nickel rim setting flush with the dash and are fastened from the inside of the dash, where there is a highly silvered hinged reflector. Adapted to cowl form of dash making a very stylish appearance.

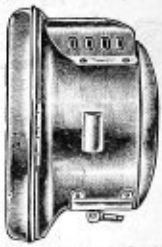
ELECTRIC TAIL LAMP.



No. 5698—Electric tail lamp, fitted with Edi-swan switch socket, convex red semaphone lens, white glass at side, combination bracket, black enamel, w't each 1½ lbs. .....each **JIJ** $1.50

This price does not include bulb.

GAS HEADLIGHTS.



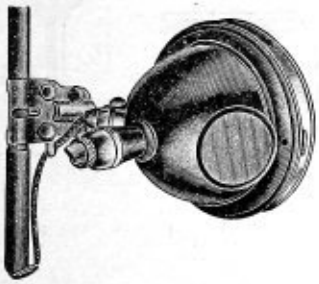
No. 5689—Genuine ground glass mirror—short coupled—one piece body, heavy gauge sheet steel, furnished in black enamel with nickel rim only, 8 in. across front, 6½ in. between props, 5½ in. deep, w't per pr. 12 lbs., per pair complete ..... **JFCJ** $10.50

No. 5690—10 in. across front, 8¼ in. between props, 6½ in. deep, otherwise same as No. 5689, per pair complete ..... **JHDJ** $14.00

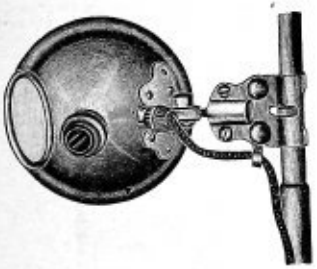
ONE IN A BOX.

AUTOMOBILE SPOT LIGHTS, LAMPS AND REFLECTORS.

SPOT LIGHTS.

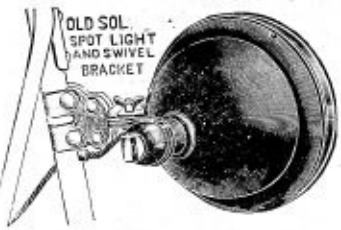


No. 5734—6 in. face, black enameled throughout, switch at rear of handle, 6 v. 21 c. p. Mazda bulb. This lamp has a mirror but no focusing device or pilot bulb. Copper treminals attached to end of cable for battery, w't 4 lbs.....each **CBJ** $5.36



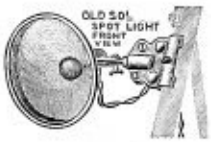
No. 5733—7 in. face, black enameled body, door and bracket, 6 v. 21 c. p. high efficiency Mazda bulb, 3 in. mirror on lamp, acts as microscope in daytime, focusing device integral with handle, switch at rear of handle, plug connection with wire on lamp and plug for cut in on dash at end of cable, 4 ft. of cable supplied with each lamp, w't 4½ lbs., ea. **DJJ** $6.70

OLD SOL SPOT LIGHTS.



No. 5730—7 in. lamp, brass, black enamel body, nickel plated door, electric on and off switch, six feet duplex cable, swivel bracket, 6 volt 15 c. p. bulb, complete, w't 6 lbs., each .....**EDJ** $9.00

ONE IN A BOX.



No. 5731—5 in. lamp, brass, nickel finish, electric switch, 6 feet cable, bracket, complete with bulb, w't 4 lbs., each .....**BGJ** $4.50

ONE IN A BOX.

Readily attached to windshield of automobiles, motor trucks or on motor boats and motorcycles. Always within easy reach of your hand. Will "spot" danger in any direction, front, rear, right or left.



No. 5701—4 in. face, 8½ in. high, black enamel, w't 1½ lbs., each **ADJ** $2.30

This is the best tail lamp ever offered at this price. It is equipped with a patent locking device which prevents loosening of oil cup fount.

Furnished in above finishes only.

ONE IN A BOX.

LAUREL.



No. 5647—Heavy gauge black and brass, size of body 4x5 in., a very good lamp at a moderate price, each **BGJ** $4.50

GAUGE LAMPS.



No. 5711—Round type, length 3 in., wired ready for use, each **JIJ** $1.50



No. 5712—Hood design, length 3 in., wired ready for use, each **JIJ** $1.50

Gauge lamps are to be used on the dash of an automobile to light clocks, speedometers or oilers, requiring little space, can be connected with storage battery and consume very little current. Bulbs not included in price.

CONVERTING REFLECTORS.



Heavy Gauge Brass, Extra Heavy White Silver Plated, Coating Added, Unique and Simple Focusing Device Arranged to Take the Shock of Jolting from the Bulbs, thus Saving the Filament.

Nos.	5774	5775	5776	5777
Diam., in.	4	5	6	7
Each	$1.30	1.60	1.92	2.34
	JHJ	**JIE**	**AAE**	**ADJ**
Nos.	5778	5779	5780	
Diam., in.	8	9	10	
Each	$2.88	3.56	4.08	
	AGE	**BJE**	**BDE**	

This list does not include bulbs. Measurements taken from inside edge to inside edge of reflectors. Reflectors equipped with Ediswan base at $0.40 each additional.

LAMP AND GENERATOR ACCESSORIES.

MIRROR REFLECTORS.



Optically Ground Mirror Lens, French Imported Glass, Giving Highest Lighting Efficiency for the Automobile.

Mangin Mirrors.

Nos.	5761	5762	5762½	5763
Size, in.	4	5	5½	6
Each	$1.00	1.10	1.48	1.50
	JFJ	JFE	JHH	JIJ
Nos.	5763½	5764	5764½	5765
Size, in.	6½	7	7½	8
Each	$1.90	2.30	3.30	3.70
	AAE	ADJ	BJJ	BBJ

French Mirrors.

Nos.	5768	5769	5770
Size, in.	5	6	7
Each	$0.70	.80	.90
	DJ	EJ	EE

GAS TANK KEYS.



No. 5838—Prestolite gas tank key, fits all tanks, can be carried on key ring, per dozen .....**BE** $0.80



No. 5839—Presto gas tank key and bottle opener.....per dozen **EJ** $0.80

Can be carried in pocket on key ring.

BURNER CLEANERS.



No. 5910—Crescent, for cleaning gas tips.....per dozen **FJ** $0.96

By the use of a cleaner, it is possible to add considerably to the life of gas tip. The cleaner has a cap which protects the needle when not in use.

BRASS AND RUBBER TUBING.



No. 5801—¼ in. flexible brass tubing, per foot .....**JH** $0.14

TUBING.

No. 5803—¼ in. flexible soft copper tubing, 20 gauge....per foot **JG** $0.12

No. 5804—⅛ in. flexible soft copper tubing, 20 gauge....per foot **JH** $0.14



No. 5805—Red rubber gas tubing, ⅜x⅛ in., A grade....per foot **JF** $0.10

No. 5806—Red rubber gas tubing, finest quality, ⅜x⅛ in., w't per ft. 5 oz., per foot .....**AB** $0.20



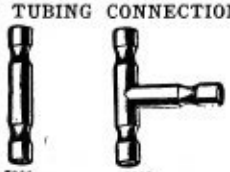
No. 5808—Rubber lamp tube connection for gas lamps, 12 in. long with moulded socket ends, lasts much longer than the ordinary piece of tubing, per dozen .....**ADE** $2.40

GAS TUBING COCKS.



No. 5836—All brass, body turned from solid bar, ground joint, ends reamed to fit ¼ in. O. D. tubing, a perfect gas tight cock.....each **BJ** $0.30

LAMP TUBING CONNECTIONS.



5831. 5832

Solid Brass Castings, Diameter ¼ Inch, for Rubber Tubing, with a ⅛ Inch Hole.

No. 5831—Gas tubing nipples, per dozen .....**BE** $0.40

No. 5832—Gas tubing nipples, per dozen .....**DE** $0.72

BRASS TUBE NIPPLES.



No. 5834. No. 5835.

No. 5834—T shaped, reamed out for copper tubing which should be soldered inside these nipples, per dozen .....**JGJ** $1.20

No. 5835—Y shaped, reamed out for copper tubing which should be soldered inside these nipples, per dozen .....**JGJ** $1.20

ELECTRIC LIGHT BULB CASE.



No. 7015—Heavy steel, hinged cover, finely finished black enamel, 5½x3½x3½ in., capacity 2 headlights, 2 sidelights, 1 tail lamp, 1 speedometer light—for Ediswan base lamps only—w't 2 lbs. .....each **JHJ** $1.30

Lamps not included.

The only convenient and safe way to carry extra bulbs.

As the Ediswan Base has now practically become standard, case is designed for this type only. This case allows for any assortment of bulbs in the smallest possible space; simply insert base of lamp in the slotted hole, and turn lamp until the projecting pins turn under edges of the holder, thereby securely holding same.

ONE DOZEN IN A CRATE.



Candelabra Base. Ediswan Base.

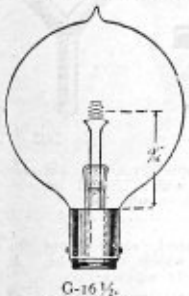
In ordering Mazda Bulbs for automobiles, be sure to specify voltage, candle power and style of base desired.

MAZDA AUTOMOBILE LAMPS.

Entire Page Discount A J %.

The Round lamps designated in the following tables as "Rear," "Speedometer," "Side" or "Headlight," respectively, have been manufactured with strongly mounted filaments in order to withstand the shocks and jars incidental to automobile service.

In bulb designation the letter "G" indicates a globular or round bulb. The figure—G-8—signifies the maximum diameter of the bulb in eighths of an inch.



G-16½. Headlight. (Focusing.) 6 & 7 volts.



G-6. Rearlight. 6 & 7 volts.



G-8. Sidelight. 6 & 7 volts.



G-10. Sidelight. (Focusing.) 6 & 7 volts.



G-12 Headlight (Focusing)



Candelabra Screw Base.



Miniature Screw Base—Flashlights



Double Contact—D. C. Ediswan or Bayonet Base.



Single Contact—S. C Ediswan or Bayonet Base.

Lamps Shown ½ Scale. Bases Shown Full Scale. In Ordering, Specify Our Number Only.

EDISWAN OR BAYONET D. C. BASE.

Our No.	Description.	C. P.	Volts	Type and Size of Bulb	Diam. of Bulb, in.	Amps.	Unit Package Quantity.	Clear, Each.
7500	Rear Light or Speedometer—Two in series	2	3-3½	G- 6	¾	.84	10	$0.21
7501	Rear or Speedometer	2	6-7	G- 6	¾	.42	10	.21
7502	Rear or Speedometer	4	6-7	G- 6	¾	.84	10	.24
7503	Side	4	6-7	G- 8	1	.84	10	.21
7504	Side	6	6-7	G-10	1¼	1.25	10	.24
7505	Headlight—Focusing	9	6-7	G-12	1½	1.50	5	.27
7506	Headlight—Focusing	12	6-7	G-12	1½	2.00	5	.27
7507	Headlight—Focusing	15	6-7	G-12	1½	2.50	5	.27
7508	Headlight—Focusing	15	6-7	G-16½	2 1/8	2.50	5	.27
7509	Headlight—Focusing	18	6-7	G-16½	2 1/8	3.00	5	.27
7510	Headlight—Focusing	21	6-7	G-16½	2 1/8	3.50	5	.30
7511	Headlight—Focusing	24	6-7	G-16½	2 1/8	4.00	5	.30

EDISWAN OR BAYONET S. C. BASE.

Our No.	Description.	C. P.	Volts	Type and Size of Bulb	Diam. of Bulb, in.	Amps.	Unit Package Quantity.	Clear, Each.
7525	Rear or Speedometer—Series Burning	2	3-3½	G- 6	¾	.84	10	$0.21
7526	Rear or Speedometer—Series Burning	2	6-7	G- 6	¾	.42	10	.21
7527	Rear or Speedometer—Series Burning	4	6-7	G- 6	¾	.84	10	.24
7528	Side	4	6-7	G- 8	1	.84	10	.21
7530	Side	6	6-7	G-10	1¼	1.25	10	.24
7535	Headlight—Focusing	15	6-7	G-16½	2 1/8	2.50	5	.27
7536	Headlight—Focusing	18	6-7	G-16½	2 1/8	3.00	5	.27
7538	Headlight—Focusing	24	6-7	G-16½	2 1/8	4.00	5	.30
	Special Bulbs.							
7550	Headlight—Focusing, Series, 1915 Ford D.C.base only	15	9	G-16½	2 1/8	2.00	5	.27
7560	Headlight—Focusing, S.C. base only, 1915 Dodge cars	18	14	G-16½	2 1/8	1.95	5	.30
7561	Rear or Speedometer, S. C. base only for Dodge cars	2	14	G- 6	¾	.26	10	.24



TYPE "C" GAS FILLED AUTO HEADLIGHTS.

EDISWAN OR BAYONET D. C. BASE.

No.	Description	C. P.	Volts	Type and Size of Bulb.	Diam. of Bulb, in.	Amps.	Unit Pkge. Quantity	Clear, Each.
7575	Headlight—Focusing	12	6- 7	G- 8	1	1.5	10	$0.40
7576	Headlight—Focusing	21	6- 7	G-12	1½	2.5	5	.35
7577	Headlight—Focusing	24	6- 7	G-12	1½	3.	5	.50
7578	Headlight—Focusing	40	6- 7	G-16½	2 1/8	4.	5	.75
7579	Headlight—Focusing, Special	24	12-14	G-12	1½	1.5	5	.37
7580	Headlight—Focusing, Special	40	12-14	G-16½	2 1/8	2.	5	.75

EDISWAN OR BAYONET S. C. BASE.

No.	Description	C. P.	Volts.	Type and Size of Bulb.	Diam. of Bulb, in.	Amps.	Unit Pkge. Quality.	Clear, Each.
7590	Headlight—Focusing	12	6- 7	G- 8	1	1.5	10	$0.40
7591	Headlight—Focusing	21	6- 7	G-12	1½	2.5	5	.35
7592	Headlight—Focusing	24	6- 7	G-12	1½	3.	5	.50
7593	Headlight—Focusing	40	6- 7	G-16½	2 1/8	4.	5	.75
7594	Headlight—Focusing, Special	24	12-14	G-12	1½	1.5	5	.37
7595	Headlight—Focusing, Special	40	12-14	G-16½	2 1/8	2.	5	.75

AUTOMOBILE ACCESSORIES.

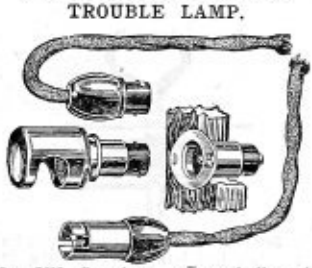
TROUBLE LAMPS.



No. 5631—Complete with 10 ft. of cord, each ..... **JIJ** $1.50

This is one of the greatest conveniences that an automobilist can have. It will reach any place on the machine. It is so small that it can be used where others cannot. The guard protects the little lamp from breaking if it is dropped or hit.

COMBINED GAUGE AND TROUBLE LAMP.

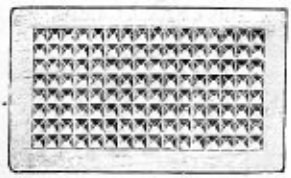


No. 5632—Complete, except bulb, w't 1½ lbs. .....each **AHJ** $3.00

This lamp serves two purposes. Its base is mounted on the dash into which the hooded lamp inserts. It is also a switch in itself, for in turning the lamp to the left it breaks the circuit.

For use as a trouble lamp, unscrew bulb and put it in socket end of the 10 ft. cord, attach plug end of cord to socket in dash and it is ready for use.

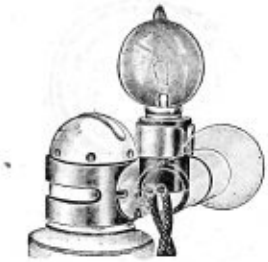
ALUMINUM HEEL PLATES.



No. 6176—10½x6in. ....each **JFJ** $1.00

These plates are to be fastened to the floor board directly back of the foot pedals, protecting the matting from wearing through. They are neat in appearance, and will save their cost many times over in a single season's use.

ELECTRIC ADAPTERS.



No. 5551—Gil-bo, oil burner type, nickel plated spring brass, highly polished, provided with notches which hold electric lamp securely either in a vertical or horizontal position, without bulb .....each **BE** $0.42

No. 5552—Gil-bo, for gas, without bulb, otherwise same as No. 5551, each ..... **CJ** $0.48

When in use the bulb is held in the most advantageous position, when not in use the bulb is turned out of the way so there is no danger of the flame breaking the bulb. This is more desirable than straight electric, oil and gas lamps because they provide another source of light supply for emergency use, dotted line in cut shows position Gil-bo adapter assumes when not in use.

ACETYLENE BURNERS.



No. 5901—Duro, sizes ½, ¾, 1 ft., per dozen ..**AHJ** $3.00

These tips have no gas hole, the flame being produced by a single slot. The shape of the flame is flat, thereby preventing the cracking of mirrors in lamp. Easily cleaned and proven exceptionally satisfactory, particularly in a close coupled style of lamp.

No. 5902 — Ambo, brass arm, nickel finish, tips threaded, screwed into arms instead of merely depending on a tapered point and cannot jar loose, sizes ½, ¾ and 1 ft., per doz. **BAJ** $3.50

The best brass arm burner made.



ACETYLENE BURNERS.



No. 5903—Alco DeLuxe, made of Nuremberg, German, steatite, pillar lathe turned from solid hexagon rod, nickel plated, standard height, fits all American lamps, ½, ¾ and 1 ft., per dozen .....**BAJ** $3.50



No. 5904.



No. 5905.

No. 5904—Alco, Nuremberg, German, steatite, fits all American lamps, sizes ½, ¾ and 1 ft., per dozen **AHJ** $3.00

No. 5905—Domestic Lava, sizes ½, ¾ and 1 ft. .....per gross **ADDJ** $24.00

The best medium price burner made.

GRADE METERS.



No. 6178—Complete, consists of curved guass tube, filled with glycerine containing a small steel ball which being very sensitive enables one to ascertain the grade of the road, either up or down almost instantly, each .....**AHJ** $3.00

The tube is incased in a highly nickeled case having a plainly indicated scale, and is usually placed on the body of the car to the drivers' right where it is in constant sight.

AUTOMOBILE CLOCKS AND SUNDRIES.

"MINOT" AUTO CLOCKS.



Cowlboard Type.

No. 5941—Black enamel, nickel rim, 8 day, rim wind and set, 2 in. silver dial, second hand, sets flush with dash, w't each 1 lb., each .....**JFFJ** $11.00

No. 5942—3 in. silver dial, otherwise same as No. 5941, each **JGEJ** $12.50



Dashboard Offset Type.

No. 5940—Black enamel, nickel rim, 8 day, rim wind and set, 2 in. silver dial, second hand, w't each 1 lb., each .....**JFFJ** $11.00

The movement in Minot Auto Clocks has quick train, straight line escapement, is reinforced, perfect in workmanship and fully guaranteed. Set by releasing safety lever and turning rim.

In all Minot Clocks, the winding and setting parts are assembled in the movement and have no connection whatever with the case. This eliminates all chance of variation between movement and case affecting the winding and setting mechanism.

ONE IN A BOX COMPLETE WITH FITTINGS.



No. 5931—Duane, one day, case heavy brass with off-set, 1½ in. dial, diam. 2⅞ in., w't 12 oz. ....each **AHJ** $3.00



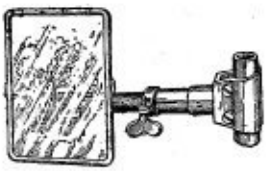
No. 5932—Jericho, nickel plated or gun metal finish on brass, 3 in. porcelain dial, dust and waterproof case, large distinct black numerals, runs 8 days with one winding, diam. 4⅞ in., w't 2 lbs. .....each **DHJ** $8.00

AUTO CLOCKS.



No. 5934—New Ormond, nickel plated or gun metal finish on brass, 3 in. porcelain dial, dust proof case, large distinct black numerals, runs 8 days with one winding, diam. 4 in., w't 2 lbs. .....each **DHJ** $8.00

MIRRORSCOPES.



No. 6171—Argos, special plate glass mirror bound in brass, it has a ball and socket joint so that it may be moved in any position, so that the driver can see to the rear, each **BAJ** $3.50

Finished in black enamel only.

BRACKETS FOR LIGHT WEIGHT CARS.



License, Stamped Steel, Black Enameled, Light Weight. Front License Bracket.

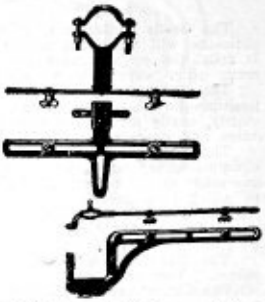
No. 5987—Attaches to headlight bracket on Ford cars when tag is not over 15 in. long .....each **CF** $0.60



Combination Rear Lamp and License Tag Holders for Light Weight Cars.

No. 5988—Interchangeable type, flat prop, made for lamps that do not have combination sockets and require flat prop .....each **CF** $0.60

NEVER OUT LICENSE BRACKETS.

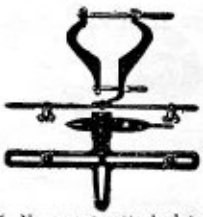


No. 5981—Front, black enameled steel, each .....**DE** $0.76

Easily attached to radiator cap of car.

No. 5982—Rear, black enameled, each .....**DE** $0.76

Quickly attached to any standard lamp bracket, clinched quickly into a steady position that allows the tail light to fall freely on license number.



No. 5986—Never-out, attached to radiator cap, has large oval opening for attaching to cars having oval filler caps .....each **DE** $0.76

Rod License Brackets.



No. 5989—For attaching to any rod between headlights, single grip, can be used on curved or straight rods, each .....**CE** $0.60

LICENSE CLAMPS.



No. 5980—Steel, black rubber finish, per dozen pairs .....**AHJ** $3.00

A suitable device for holding the front license number plate. This article is designed to be attached to the rod which runs between the headlight lamp brackets on many makes of cars.

STEWART MAGNETIC SPEEDOMETERS.

Stewart Speedometers are undeniably superior to all others in construction, materials and design. They embody every improvement and refinement known. The speed of the shaft has been reduced 60 per cent—from 10000 to 400 revolutions. The whole installation, from road wheel gear up to the beautiful one piece drawn brass case, will satisfy the most critical car owner. Clock combinations will be more popular than ever.

IMPORTANT FEATURES.

The Grade Indicator is an exclusive feature, and can be obtained with no other speedometer. The use of the grade indicator will teach the driver just what to expect from his car, telling him when to shift gears in climbing hills. It tells him proper spark position, what to expect in the way of power and speed when ascending grades, and in many other ways helps to get maximum efficiency out of the car.

The Odometer is a plain, hard bronze gear train, positively driven, each wheel positively locked into its proper position—no possibility of the dials slipping—no failure to register the correct mileage—no lubrication required. A big, sturdy, costly mechanism that will run 10,000,000 miles and still be serviceable. The season odometer registers 100,000 miles and repeats. The trip odometer registers 100 miles and can be rapidly reset at any time to any tenth of a mile.

The Stewart Drop Forged Swivel Joint is also an exclusive feature. Satisfactory service of speedometer and equipment depends greatly upon the swivel joint, which eliminates the need of short bends in the flexible shaft, and takes up all movement of the road wheel when steering. The Stewart drop forged swivel joint will outwear any car to which it is attached.

The Flexible Shaft can be tied into a knot without breaking. The inner and outer walls are of special steel wire. The driving core is of steel links, one hooked into the other—the strongest and most durable flexible shaft supplied with any speedometer.

The Road Wheel Gear is of heavy cast steel, with milled teeth of broad profile, that will not cut the driving pinion. The gear is positively noiseless.

The Clocks used on Stewart combinations are the famous Seth Thomas, and are rim wind and rim set. To wind, you turn the rim. To set, you pull out and turn the rim. No key required. No taking off of the bezel to set the hands.

Every unit, every part of the instrument and equipment will bear the most critical analysis. No more suitable material can be purchased. No better workmanship is known. There is no better method of construction. No possibility of making an instrument more accurate or dependable for the purpose.

All Stewart Speedometers are finished in black and nickel.



Model 26—3 in. dial, 60 mile speedometer 100,000 mile season odometer, 100 mile trip register, can be reset to any tenth of a mile, each **AFJJ** $30.00



Three Inch Speedometer without Grade Indicator.

Model C—Rotating dial, 3 in. dial, 60 mile speedometer, 100,000 mile season odometer, 100 mile trip register, without grade indicator, each ..... **BAJJ** $25.00

Model C2—Rotating dial, 3 in. dial, 100 mile speedometer, 100,000 mile season odometer, 100 mile trip register, without grade indicator, each ..... **BEBJ** $30.00



Speedometer with Grade Indicator.

Model B—Rotating dial, 4 in. dial, 60 mile speedometer, 100,000 mile season odometer, 100 mile trip register, grade indicator, no electric light, each ..... **DJJJ** $50.00

Model B2—Rotating dial, 4 in. dial, 100 mile speedometer, 100,000 mile season odometer, 100 mile trip register, grade indicator, no electric light, each ..... **DFBJ** $55.00

Either model equipped with electric light ..... **DJJ** $5.00

STEWART SPECIAL FOR FORD CARS.



Model 100-G—Rotating dial, 60 mile speedometer, 10,000 mile season odometer, 100 mile trip odometer, can be reset, black enamel case, etched silver dial with 3 in. face, w't each 12 lbs., each complete ..... **GBJ** $9.00

ONE IN A BOX.



Model G—Rotating Dial, 4 in. dial, 100,000 mile odometer, 60 mile speedometer, 100 mile trip register, which can be rapidly reset to any tenth of a mile, jeweled bearings, polished steel magnet of Stewart "closed rig" type, case is finished in "deep" jet lacquer metal trim, each **CBJJ** $40.00

IN ORDERING SPEEDOMETERS, GIVE SIZE WHEEL, NAME AND MODEL OF CAR.

AUTO METERS AND PARTS.

PARTS FOR STEWART SPEEDOMETERS.

Note—These are factory list prices and do not include labor.

Part No.	Description.		Price.
	Swivel Joint	BDJ	$2.50
	Grease Cup	AD	.15
	Grease Cup Cap	AD	.15
1799	Flexible Shaft, complete, without leather covering	BIJ	3.00
1911	Flexible Shaft Casing, without leather covering	AGJ	1.75
	Extra length casing—over 78 inches—per foot	CD	.35
1880	Upper End Clutch of Chain	AJ	.10
617	Sliding Bar and Lower End Clutch of Chain	AI	.20
	Road Wheel Gear, complete, with washers and screws	JIE	1.00
	Washers and Screws for use on road wheel gear—set of 3	AD	.15
	Pinion or Small Gear—steel or fibre	BD	.25
	Clamp for Steering Arm, complete	ABJ	1.25
4003	Clamp Part—upright	DH	.50
4025	Clamp Part—swivel block	AI	.20
4015	Clamp Part—cross-bar	BI	.30
4017	Clamp Part—axle clip	AD	.15
4014	Clamp Part—"S" clamp link	AI	.20
4007	Clamp Part—cross-bar and straight link, one piece	BI	.30
	Dash Bracket, single instrument	JIE	1.00
	Dash Bracket, clock combination	BDJ	2.50
1996	Rubber Fender Washer	AD	.15
2199	Brass Footboard Collar	AD	.15
1998	Strap or Hanger for Flexible Shaft	AD	.15
	Angle Sleeve	ADE	1.50
	Extra length Shaft—over 78 inches—per foot	DH	.50
1902	Flexible Shaft Chain—per foot	BD	.25
1997	Stewart Flexible Shaft Lubricant—per can	BI	.30
616	Flexible Shaft Ferrule and Union	AI	.20
	Clock Combination Dash Bracket, complete, with light attachment	DHJ	5.00
	Light Attachment, with post, bracket, bulb, complete	CCE	3.50
	Old Type Stewart Light Attachment, complete	BDJ	2.50
	Push Button	BD	.25
	Electric Bulb	DH	.50
	Rubber Covered Electric Light Wire, per foot	AJ	.10

Labor Charges on Stewart Speedometers.

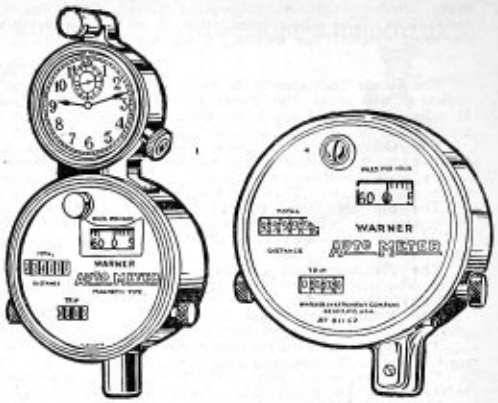
Setting Odometer to zero		DH	$0.50
Cleaning and overhauling instrument JIE 1.00 to		BDJ	2.50
Putting on new glass		GB	.75
Installing Speedometer		JIE	1.00
Lubricating shaft		GB	.75
Cleaning and oiling clock movements		BDJ	2.50
Installing pinion		DH	.50
Installing shaft		DH	.50
Installing swivel joint		DH	.50
Installing sprocket		DH	.50
Installing clamp		DH	.50

A charge of 50c will be made for installing any one part; two or more parts will be installed at a charge of $1.00.

Prices on clock repairs depend on the amount of new material necessary and will be furnished on request.

Parts for repairs should always be returned transportation charges prepaid.

WARNER AUTO-METER



The Warner Auto-Meter is designed to meet the requirements of those who demand beauty, durability and accuracy in a speed indicator. This instrument possesses these qualities as is evidenced by the fact that the Warner Auto-Meter is specified as regular equipment on the highest priced cars.

The Warner Auto-Meter is made on the magnetic induction principle. A permanent magnet mounted on an insulating carrier is revolved by a flexible shaft connected by gears directly to the front wheel of the motor car. The magnets used are made of a special formula of Tungsten steel and produces a magnet that stays magnetized and does not become weak with age or use.

The Warner Auto-Meter Speed Dial is mounted on a standard ship chronometer pivot, and is very substantially designed in order that the jars of automobiling will not injure this delicate mechanism.

The Warner Auto-Meter has jewel bearings, elliminating friction, which renders it the most accurate instrument made.

WARNER AUTO-METER.

Finish, Black Enamel and Nickel.

Model 50—3¼ in. silver dial, 60 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, without electric light, complete ..... each **DJJ** $50.00

Model 51—3¼ in. silver dial, 100 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, without electric light, complete ..... each **DJJ** $50.00

Model 52—3¼ in. silver dial, 60 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, with Tungsten electric light ..... each **DDJ** $55.00

Model 53—3¼ in. silver dial, 100 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, with Tungsten electric light ..... each **DDJ** $55.00

Model 54—3¼ in. silver dial, 60 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, Tungsten electric light, eight-day Boston clock, stem wind and stem set ..... each **GBJ** $90.00

Model 55—3¼ in. silver dial, 100 mile rotating speed dial, 10,000 mile season odometer, 100 mile trip odometer with reset, Tungsten electric light, eight-day Boston clock, stem wind and stem set ..... each **GBJ** $90.00

Model K3—4¼ in. silver dial, 60 mile rotating speed dial, hooded Tungsten electric light, 100,000 mile season odometer, 1,000 mile reset trip odometer, complete ..... each **FJJ** $75.00

Model L3—4¼ in. silver dial, 100 mile rotating speed dial, hooded Tungsten electric light, 100,000 mile season odometer, 1,000 mile reset trip odometer, complete ..... each **FHJ** $85.00

Model 03—4¼ in. silver dial, 60 mile rotating speed dial, hooded Tungsten electric light, 100,000 mile season odometer 1,000 mile reset trip odometer, eight-day Chelsea clock, stem wind and stem set ..... each **AAFJ** $145.00

Model M3—4¼ in. silver dial, 60 mile rotating speed dial, hooded Tungsten electric light, 100,000 mile season odometer, 1,000 mile reset trip odometer, eight-day Chelsea clock, stem wind and stem set, mounted perpendicularly above the speedometer instead of beside it for those who prefer this type of mounting ..... each **AJJJ** $125.00

IN ORDERING, GIVE SIZE WHEEL, NAME AND MODEL OF CAR.

AUTOMOBILE JACKS, TIRE SAVERS AND TURN TABLES.

AUTOMOBILE JACKS.



No. 6164—Height 9 in., with screw down, height with screw raised 14½ in., w't 3 lbs....each **JFJ** $1.00

No springs, no gears, no complication, no small parts to stick and quickly rust out. Handle so attached that it cannot be lost. A simple, compact, light-weight, powerful jack, for use with the Saxon, Ford and other light automobiles; also well adapted to Cycle Cars. In every way superior to any other jack on the market offered at a low price.



No. 6162.



No. 6163.

No. 6162—Capacity 1500 lbs., height bar down 9 in., height bar raised 16 in., w't 4½ lbs.....each **JGJ** $1.20

The Standard Junior is a simple, well-made and reliable jack, suitable for all cars of medium weight. The best jack on the market for the price.

No. 6163—Capacity 1500 lbs., height bar down 10½ in., height bar raised 16 in., w't 6½ lbs.....each **AAJ** $1.80

This is a thoroughly high grade jack; made of selected malleable castings except the rack bar, which is solid steel with machine-cut teeth. Hardwood handle furnished.



No. 6140—Little Giant Screw Jack, best quality refined malleable iron, high grade steel screw, galvanized or aluminum finish, single turn of pawl raises or lowers, compact, neat, strong enough to raise any automobile made, rise 6 in., height when raised 16 in., w't 5 lbs., ea. **JHE** $1.40

AUTOMOBILE JACKS.



No. 6166—Height lowered 7¾ in. to lower step, 10½ in. to top, raised 14¾ in. to lower step 17½ in. to top of bar, capacity 1800 lbs., w't each 6 lbs. each .....**JHE** $1.40

LOOSE.



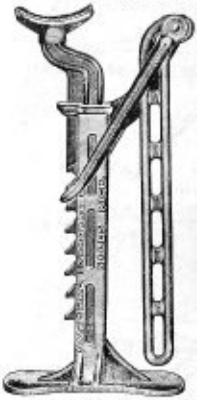
No. 6143 — Malleable iron frame and handle, capacity 1 ton, height 13 in., raises 8 in., w't 7 lbs., each ..**AHJ** $3.00

The short stroke makes lifting easy and rapid, automatically locks while operating thereby doing away with any possibility of slipping or dropping the load. Fitted with simple and convenient trip lever for reversing.



No. 6165—De Luxe Standard, fitted with two steps, height 10¾ in. to lower step, 12 in. to top step when lowered, 18½ in. to top step when raised, finished in black enamel and nickel, double geared hardened steel cut gears, absolutely guaranteed, w't each 12 lbs. .....each **EDJ** $9.00

TIRE SAVERS.



No. 6146 — Tire Saver, malleable iron with swivel top and leather faced saddle, adjustable to any height wheel or axle, w't per set 25 lbs., per set of four, **CFJ** $6.00

Auto can be placed within six inches of the walls in garage and still jack can be operated with ease. No trouble to relieve tire from weight of car. This jack will more than pay for itself in one season's use.

TIRE SAVING JACKS.



No. 6147—Moore, malleable iron, aluminum bronze finish, fitted with leather padded loop, suitable for all makes of cars, w't per set 40 lbs., per set of four .....**EDJ** $9.00

A leader in tire savers, simplest of jacking devices. One straight lever motion will jack up your wheel in a second, freeing your tires from oil soaked, rubber destroying floors, takes all strain from the casing and prevents dangerous bulges that lead to later blow-outs.

TURN TABLES.



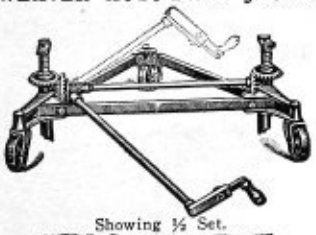
No. 6150—All steel, w't per set 80 lbs., per set of 2.....**JIJJ** $15.00

Castors turn on a roller-bearing surface making the truck push and turn easily when loaded with the heaviest car. Inclined running board is so arranged that it hangs clear of the floor by the weight of auto wheels when in use, obviating the necessity of holding truck or tipping it when pushing cars on it.

The handiest article for moving automobiles in store rooms, barns or loading on freight cars.

JACKS AND SUNDRIES FOR FORD CARS.

WEAVER "AUTO TWIN" JACKS.



Showing ½ Set.



Showing Jack in Use.

No. 6152—High carbon steel and malleable iron, castings are capable of withstanding weights far in excess of any strain which will ever be applied, ball and roller bearing throughout, raising leverage 400 to 1, 1⅛ in. steel lifting screws, capacity 4,000 lbs. each, w't per ½ set 48 lbs.,

Per Set, two complete jacks, one for each axle★ .....**AHJJ** $30.00

Per ½ Set, single jack, for one axle★ .....**AJHJ** $18.00

They embody the combined advantages of a turn table, transport, lifting jack and tire rest. Mounted on a pair of these jacks a car can be turned completely around within its own length. One man can manipulate the heaviest pleasure car with ease. Dismantled cars can be pushed out of the way while the detached parts are being repaired. For arranging cars into the desired position upon shop or show room floors our jacks are indispensable. The screw hoisting principle, 34 in. wheel base and extreme strength of construction eliminate all chance of accident. No possibility of turning over and letting car fall. They are of great advantage in washing cars as wheels are free to revolve while the position of the car can be changed as desired. Brakes can also be safely tested while car is supported on these jacks.

STEWART SPEEDOMETERS.

Special for Ford Cars.



Model 100-G—Rotating dial, 60 mile speedometer, 10,000 mile season odometer, 100 mile trip odometer, can be reset, black enamel case, etched silver dial with 3 in. face, w't each 12 lbs., each complete .....**JGBJ** $12.00

ONE IN A BOX.

★*F. O. B. SPRINGFIELD, ILL.*

ENDLESS FAN BELTS



No. 6241. No. 6242.

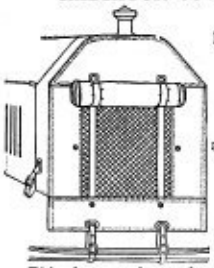
No. 6241—Hand woven from seive twine, impervious to heat and oil, will not scratch, w't each 12 oz., each .....**DJ** $0.70

These belts will outlast several leather belts.

No. 6242—Endless, double stitched leather belt .....each **CE** $0.60

These Fan Belts are double stitched, and the lap cemented with waterproof cement. For Ford cars.

RADIATOR COVERS.

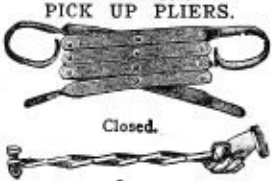


No. 6244—Ford size, enameled rubber cloth outside, heavy blanket material lining, adjustable curtain in front, fits radiator perfectly, w't per doz. 18 lbs., per doz. **ABJJ** $20.00

This bonnet is made to be left on during the cold weather. It is hard to get service out of a motor without proper protection against the cold winds and winter. The curtain may be adjusted according to the temperature, so that only the right amount of space can be left open to keep the radiator from steaming. This is one of the best looking devices ever shown. By making in large quantities these may be had as cheaply as an improvised cover.

ONE IN A BOX.

PICK UP PLIERS.



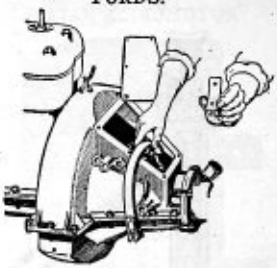
Closed.

Open.

No. 6160—Closed 7 in., open 21 in., long, highly nickel plated steel, w't per doz. 4½ lbs., per doz. **EGE** $9.60

This handy device not only keeps your coat and shirt sleeves clean, but is indispensable in picking out small articles dropped in the pan, transmission case, etc.

TRANSMISSION BANDS FOR FORDS.



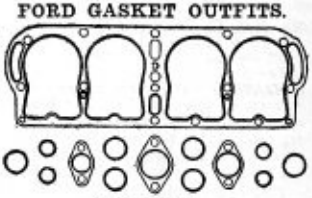


No. 7210—Gemco, heavy spring steel, lined with brake lining, two drop forged ears, one of which is detachable and can be easily removed, w't each 1 lb. .....each **ABJ** $2.00

These quick detachable transmission bands enable you to repair your Ford Cars in less than half an hour, whereas the old method requires several hours.

LOOSE.

FORD GASKET OUTFITS.



Gasket Sets.

No. 6238—Copper and brass, high grade asbestos, same as smaller gaskets, complete, each .....**CE** $0.60

Outfit consists of the following:

1 Cylinder Head Gasket,
1 Cylinder Head Outlet Gasket,
1 Cylinder Head Inlet Gasket,
1 Carburetor Flange,
2 Inlet Pipe Gaskets,
4 Exhaust Pipe Outlet Gaskets,
4 Metric Spark Plug Gaskets.

These Gasket Outfits should be stocked by every repairman in the country. After removing a cylinder head it is not advisable to replace with the old gasket when a new perfect one can be had fitted to a fraction of an inch.

Gaskets Only.

No. 6238-A—Large Cylinder Head, each .....**CJ** $0.50

SUNDRIES FOR FORD CARS.

MASTER VIBRATORS FOR FORDS.



No. 5040—New York, coil dash type of Master Vibrator with switch, w't 6 lbs. .....each **J F J J** $10.00

This master vibrator is designed especially for Ford cars.

BATTERY OR TOOL BOX.



No. 6607—Black enameled pressed steel and double snap fasteners, electric welded, beaded edge around bottom, size 22x9 in., w't 12 lbs., each .....**A H J** $3.00

Made to fit on running boards.

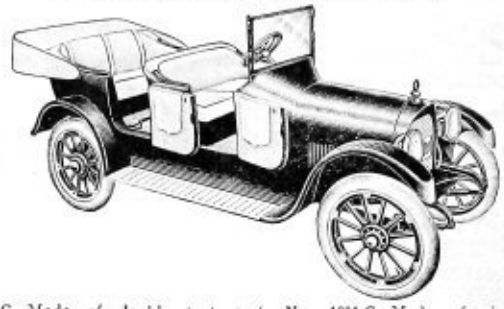
OIL GAUGE FOR FORD CARS.



No. 6237—Turned from a solid brass bar, glass ¾ in. in diameter, ⅝ in. thick, has leather washer packing and improved air vent, w't 8 oz., each .....**B E** $0.40

Improved construction makes oil readable at a distance, old pet cock can be screwed into bottom of gauge for draining off oil, and insures the right amount in the crank case at all times.

SPECIAL SEAT COVERS FOR FORDS.



No. 1002-G—Made of double texture waterproof material, tan color, trimmings on armrests of English grain, patent leather finish, with binding to match on door pieces only.

For Ford Touring Car, each★ ..... **J F F J** $11.00
For Ford Runabout,★ each **D B J** $7.00
Top Slip Covers,★ each **B D J** $4.00

Will give good service; color is not guaranteed. Trimmings can be cleaned with soap and water. Attached with glove fasteners.

No. 1004-G—Made of single texture material, gray color, can be cleaned with gasoline, as it has no leather trimmings.

For Ford Touring Car, each ..... **J F J J** $10.00
For Ford Runabout, each **C I J** $6.50
Top Slip Cover .... each **C B J** $3.80

Attached with glove fasteners; anyone can attach them. Simply screw in the studs.

TIRE HOLDERS FOR FORDS.



No. 6010—Running board brackets, rubber finish, w't 15 lbs., per set .....**B E J** $4.20

Finished in a dull black known as a "rubber finish," very durable and easily attached.

No. 6008—Rear end tire brackets, w't 20 lbs. .....per set **C D J** $5.64

These are made of malleable iron, can be attached to the rear cross member of car, are adjustable as to height, hold the casings in a vertical position, and will accommodate one or two casings.

SETS COMPLETE WITH STRAPS AND BOLTS.

FOLDING ROBE RAILS.

No. 6004—Steel rod rail, heavily japanned, 32 in. long, folding brackets, for metal bodies, w't 3 lbs., each .....**E E** $0.90

This rail adapted particularly for Ford cars.

HAND OPERATED HORNS.

No. 6035—Samson "Tiger," heavy steel, enameled, nickel trimmings, no springs, dogs, or complicated parts to get out of order, length 11 in., w't each 4 lbs. .....**B D J** $4.00

Can be placed on outside of car with handle inside. Operated by a turn of the handle in either direction. Instantaneous and positive in action. Can be installed by anyone. No bulbs, wires or batteries.

ONE IN A BOX.

WHITNEY KEY ASSORTMENT FOR FORDS.



No. 6211—Assortment contains one set of 12 keys cut from finest quality steel, true to size, especially adapted for use on Ford cars, complete in box with circular describing position and use of each key, wt per doz. boxes 12 lbs., per dozen boxes .....**C F J** $6.00

ONE SET IN A BOX. WE DO NOT BREAK BOXES.

SUNDRIES FOR FORD CARS.

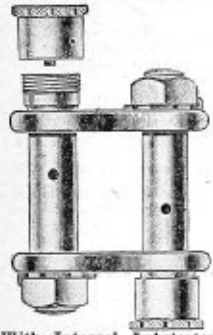
VALVE STEM ADJUSTER FOR FORDS.



No. 7131—Set consists of 8 shells and approximately 48 discs, adjusters are carefully made from best quality steel, shells are carbonized and hardened to insure a good wearing surface, discs are of proper size and thickness and are provided for close adjustment, w't per doz. sets ¾ lb., per dozen sets complete .....CGE $6.00

ONE SET IN A NEAT BOX.

SPRING SHACKLES FOR FORDS.



With Integral Lubricator. Steel, All Bolts Carefully Heat-treated to Give the Maximum Amount of Wear. Shackle is Furnished Absolutely Complete Ready to Install in the Car Without the Addition of Nuts, Cotter Pins, or Grease Cups.

No. 7138—Front shackle, w't per doz. 4½ lbs.....per dozen ADDJ $24.00

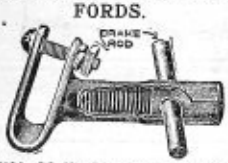
No. 7139—Rear shackle, w't per doz. 4½ lbs.....per dozen ADDJ $24.00

In the spring bolt lubrication grease has many advantages over oil.

Oil is difficult to get to all parts of the bearing surface and will not stay where needed. Grease, however, is forced by the action of the cup to all parts of the surface and stays there, not only insuring complete and permanent lubrication, but by forming a dust proof collar at the ends of the spring eyes, prevents wear by keeping out grit.

When ordering, specify whether front or rear shackle is wanted.

BRAKE ROD SUPPORTS FOR FORDS.



No. 7194—Malleable iron, ball adjustment, complete with bolts, w't per pr. 15 oz. .....per dozen CJ $0.50

Will positively silence the shake and rattle of the brake rods on a Ford Car without impending the full movement of the rod. Ready to attach. No holes to be drilled.

ONE PAIR IN A BOX.

HASTINGS STABILIZERS FOR FORDS.

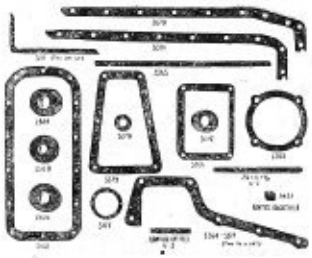


No. 7215—Steel, operates on a simple oscillating spring tension principle, the spring is of heavy gauge finest spring steel and unbreakable, single action, that is it works only by compression and expansion, it is never stretched as a double-acting spring must be, w t 3 lbs., each BGJ $4.50

This stabilizer prevents your car from swerving when striking a bump in the road or when you take your hands from the steering wheel. It saves wear on the front tires. It will automatically straighten the car and hold it straight. Small, compact, entirely enclosed, fool proof and reliable. Put on in ten minutes with a wrench.

ONE IN A BOX.

FELT WASHER SETS FOR FORDS.



No. 7167—Complete set felt gaskets and washers to fit Ford cars, w't per doz. sets, 4 lbs.,
per doz. sets complete ..EGE $9.60

ONE SET IN A BOX. WE DO NOT BREAK SETS.

TILTING STEERING WHEEL FOR FORDS.



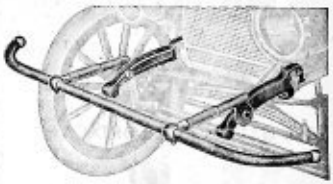
No. 7132—Plain wood, 17 in., w't each 6 lbs. .....each CFJ $6.00

No. 7133—Corrugated wood, 17 in., w't each 6 lbs. .....each DDJ $7.30

There is a tremendous demand for a larger steering wheel than is regularly furnished with the Ford car. These larger wheels give greater leverage making the car steer much easier. The spiders are machined to fit the Ford steering column. The tilting feature is instantly operated and when in open position as shown in cut gives you ample room to get in or out of seat with ease.

ONE IN A BOX.

FRAME EXTENSION BUMPERS FOR FORD CARS.



No. 5750—1¼ in. channel bar, nickel plated steel, complete, w't each 16 lbs., each .....DHJ $8.00

No. 5752—1¼ in. round bar, nickel plated steel, complete, w't each 16 lbs., each★ .....DHJ $8.00

No. 5753—1¼ in. round bar, black enameled steel, complete, w't each 16 lbs. .....each DBJ $7.00

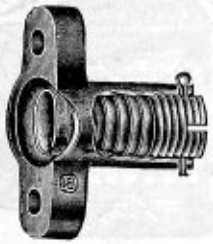
The shock is taken directly on the frame of the car, and in no way disturbs the radiator.

The Extension Bumper is simple to attach, no holes to drill—remove two nuts and replace with special nuts furnished; it makes a splendid appearance, actually changing the whole lines of the Ford Cars.

ONE IN A BOX.

SUNDRIES FOR FORD CARS.

ANTI-RATTLING BALL SOCKETS FOR FORD CARS.



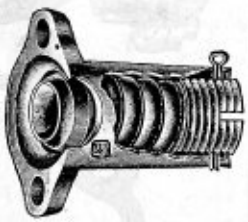
No. 7190—Malleable steel, machined and finished in hard black rubber enamel, has adjustable screw plug for taking up wear, also has oil tempered springs providing constant tension on the ball, w't per pr. 12 oz., per pair .....**CE** $0.60

These anti-rattlers are carefully designed to fit in place of the solid caps of the steering rod connections.

ONE PAIR IN A BOX.

WE DO NOT BREAK BOXES.

RADIUS ROD ANTI-RATTLING BALL SOCKETS FOR FORD CARS.



No. 7192—Heavy malleable steel, carefully machined and finished in hard rubber enamel, w't each ½ lb., each .....**CJ** $0.50

These are used in place of the solid cap holding the radius rod ball on the Ford cars. Fit snugly in place, have oil tempered spring providing a constant tension on the ball, fitted with adjustable screw plug for taking up wear.

ONE IN A BOX.

CLUTCH RELEASE.



No. 7135—Crucible steel, w't each ½ lb., each .....**DJ** $0.70

This is a simple device that automatically releases the clutch on the Model "T" Ford when the foot break is applied.

This release can be put on in ten minutes. Furnished complete with full instructions.

ONE IN A BOX.

WIRING ASSEMBLIES FOR FORD CARS.



No. 7175—Outfit consists of 4 high grade low tension wires, insulated in different colored braids, copper terminals soldered on and protected with loom, 4 high tension cables complete with terminals cut to length to connect spark plugs with coil, w't 1½ lbs., outfit complete .....each **JHE** $1.40

ONE SET IN A BOX.

MAGNETO LAMP REGULATOR FOR FORD CARS.



No. 7178—Iron encased regulator complete with double throw switch and instructions, w't each 2½ lbs., each .....**BAJ** $3.50

The regulator should not be confused with "Resistance Coils" or "Dimmers," that control the voltage by dissipating the energy in heat. It is built on different principles that eliminate lighting troubles with no loss of power.

It operates from the magneto and lights the headlights in multiple, if one burns out, the other will continue to burn.

DUAL SYSTEM possible if desired.

The Regulator generates both four and six volts. The six-volt allows the installation of a dual system, a six-volt storage battery to be used when the car is standing still and the Regulator when the car is running. Using a storage battery in this manner, it is not necessary to recharge it more than three or four times a season.

REGULATION—The four-volt circuit is used as a dimmer. It dims the light down about forty to fifty per cent.

ONE IN A BOX.

SUNDRIES FOR FORD CARS.

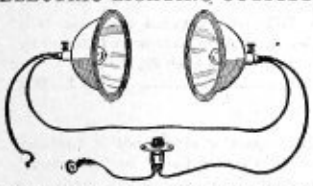
JACKS.



No. 6164—Height 9 in. with screw down, height, screw raised, 14½ in, w't each 3 lbs. .....each **J F J** $1.00

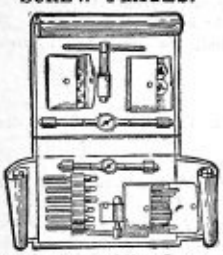
No springs, no gears, no complication, no smal parts to stick and quickly rust out. Handle attached so cannot be lost. A simple, compact, light weight, powerful jack for use with the Saxon, Ford and other light automobiles; also well adapted to cycle cars. In every way superior to any other jack on the market offered at a low price.

ELECTRIC LIGHTING OUTFITS.



No. 5789—One pair of reflectors for equipping the regular gas lamps, with necessary bulbs, wire, switch, etc., ready to install, w't complete 5 lbs., each .....**C J J** $5.00

SCREW PLATES.



No. 2500-G—Automobile Screw Plate contains the following—
1—6⅛ in. tap wrench,
1—9 in. tap wrench,
16 dies and taps, sizes,
6/32-10-24, 10-32, 12-24, 14-24, 7/32-32, ¼-20, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 13/32-16, 7/16-14, 7/16-20, ½-20.
⅛ pipe tap.
Complete in a leather case, w't per set 3½ lbs. .....per set **A B I E** $21.60

This set is arranged with special reference to screw threads on Ford Model T.

It is also adapted to a variety of other cars and for general shop use.

SPARK PLUGS.



No. 5240.



No. 5280.

No. 5246 REVERSIBLE—Porcelain, ½ in. standard .....per dozen **E J E** $8.40

No. 5248—Porcelains, for REVERSIBLE spark plugs, extra ....per dozen **B A E** $3.60

The name REVERSIBLE *stands for the best of everything in spark plugs; genuine imported porcelain.*

ONE IN A BOX.

Champion.

Best Grade Porcelain, Separable Cone Gasket Construction, Similar to Regular Champion.

No. 5280—½ in., per dozen **E C E** $8.88

No 5283—Porcelai nonly, per dozen ..... **C F J** $6.00

The Champion X plug has no equal for the price and will not foul or soot.

ONE IN A BOX.



Champion Priming.

No. 5310—½ in., w't each 1 oz., per dozen ..... **J I C E** $15.60

This plug is particularly adapted to Ford Cars.

Starts any motor any time on one-quarter turn.

Open Needle Valve, turning slightly by hand, and gasoline you inject will flow down through its own channel to plug base. Vaporization occurs directly past igniting points. Explosion will result every time on first quarter turn of starting crank, regardless of weather.

ONE IN A BOX.

WALDEN WRENCH SETS.



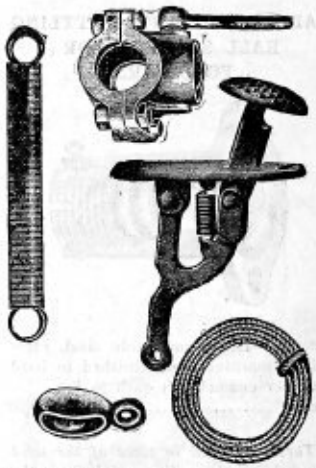
No. 6500—Consists of 1 ratchet handle, 1 extension bar, 1 universal joint, and 8 pressed steel sockets, w't 10 lbs., per set .....**C F J** $6.00

The Walden Wrench Set is the simplest set of wrenches ever produced. Only three pieces. No loose pawl or springs. Nothing to get out of order. All steel is selected; stock machine cut, ratchet teeth, properly tempered and fully guaranteed.

The ratchet wrench gives continuous action, once applied to the nut. Select the socket to fit the nut, no adjusting necessary, no possible chance for slipping, and no damage to the corners of the nut.

ONE SET IN A NEAT CANVAS FOLDING CASE.

CUT-OUT OUTFITS.



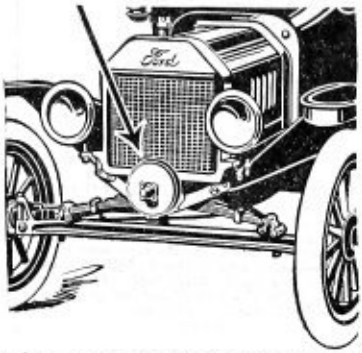
No. 7145—Outfit includes clamp on cut-out valve of pressed steel, japanned pedal, cable, pulley and spring, ready for immediate attaching, price complete in box..per dozen **J G B J** $12.00

This is a high grade serviceable set, easily attached and will outlast the car.

STARTERS FOR FORD CARS.

STEWART STARTER FOR FORD CARS.

The Cheapest to Install—the Simplest and Most Durable in Operation—the Lightest in Weight—and the Easiest to be Operated. Combining All of These Advantages, the Stewart is Unquestionably the Most Successful Starter for Ford Cars Ever Offered.



No. 7208 ..... each **CBJJ** $40.00

The Stewart Starter is of the compressed air type. Engineers have always conceded that compressed air starters are far superior to all other types. No better illustration of the successful utilization of compressed air power can be given the Westinghouse air-brake system which is such a wonderful success. Compressed air is an agent that can be liberated suddenly and in great quantities without damage to its container. In this respect it is entirely different from any other starter ever designed. It is direct in its action. It is independent of the destructive influence of time, wear, temperature and ignorant attendance.

This Stewart Starter for Ford cars combines all the features that a starter should comprise, as enumerated above, but has none of the disadvantages of all the systems now on the market, such an extra weight, uneven balance of the weight being all on one side of the car, constant attention required, and uncertainty as to whether it will always work or not.

The Stewart Starter is practically the **First Pure Air Starter Ever Put on the Market.** Heretofore anything in the semblance of an air starter has been in the form of a gas starter. Instead of compressed air in the tank, these starters utilized the exploded gases from the cylinders. These contained impurities and a certain amount of water, formed from the condensation of the gases, with the result that such starters were never satisfactory.

The Stewart Starter is absolutely automatic. Always ready. You simply press a pedal with your foot, and a charge of compressed **Pure** air applies its power at the end of the crank shaft, and spins the motor in exactly the same manner as it would be done by a hand crank. There is no action that is at all detrimental or foreign to the general working of the mtor. A most efficient air pump is always in operation to keep the pressure in the air storage tank up to 200 pounds. When this pressure is reached there is an automatic cut-off which prevents the pump from forcing any more air in the tank. One great point and feature of the Stewart Starter is the air control valve—an invention that is marvelous in its operation and efficiency.

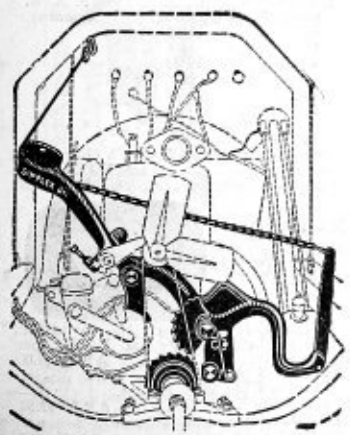
The compressed air in the storage tank may be used for blowing up tires, blowing dirt out of the upholstery, also carbon out of the cylinders, etc. The Stewart Starter has the fewest number of parts of any starter ever built. There are no delicate parts to get out of order. Unlike a battery, none of the parts of the Stewart Starter are affected by time, wear or careless handling. The Stewart Starter has nothing to do with your lighting system, so that no matter how many times you may start your motor, it will in no way affect, one dim, your lights.

The light weight of the Stewart Starter means, in itself, a great advantage over any other starter, because extra weight adds to tire expense; adds to the consumption of fuel on account of increased weight to carry. Best of all, the Stewart Starter is sold at a price practically one-half that of all other Ford Starters now offered. And any Ford owner can easily install this Starter himself.

All Complete, Ready for any Ford Owner to Install Right on his Ford Car.

SIMPLEX STARTER FOR FORD CARS.

Starts your motor from the seat. Just a slight pull on the handle and your motor is turned over easier and with more speed than had you used the crank.



START YOUR FORD FROM THE SEAT.

Wouldn't you rather start your car from the seat than go around in front of the motor and fight a kick?

The Simplex Jr. positively does away with the chance of accident by a kick. You cannot get a kick with it.

The Simplex Jr. is, as its name implies, the simple, little starter of few parts, easily operated, easily installed. In fact, the first truly successful mechanical starter produced.

No parts to get out of order. When the motor is running there are no moving parts of the starter—no clutches to catch, stick, rattle or bang—no sprockets or sprocket chain to break, no gears to grind, howl and break. The Crank? Yes, we leave it on your car as a matter of looks, and it can be used in the same old way—just as dangerous as ever.

GUARANTEE.

The Simplex Jr. is guaranteed to turn the motor with more speed than the crank, to be perfect in workmanship and free from breakage.

WE FURNISH EVERYTHING—Neatly Packed for Shipping.

Each starter is packed in a separate carton, 5½ inches by 4½ inches by 18½ inches, neatly labeled, and strong enough for shipment either by express or freight. Weight, 12 pounds, packed for shipping.

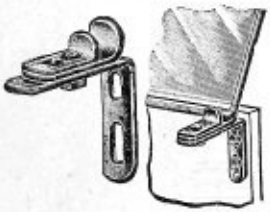
OUT OF SIGHT BENEATH THE HOOD.

There is nothing about the Simplex Jr. to disfigure your car. It weighs only nine pounds. We leave off only one piece of the Ford motor, the "fan pulley" of the crank shaft, which we replace with one of our own. All other parts remain and are used as intended by the builder of the Ford automobile.

No. 7205 ..... each **JHAJ** $13.50

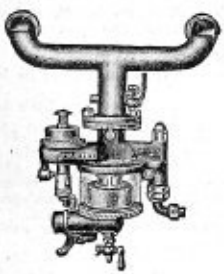
SUNDRIES FOR FORD CARS.

WIND SHIELD VENTILATOR.



No. 7140—Finished in black enamel, per set ..... **JGJ** $1.20
This clever device is an absolute necessity on every Ford Car. It enables the user to quickly adjust his windshield so as to give perfect ventilation, thereby keeping the front part of the car cool.

STROMBERG CARBURETORS.



No. 5458—Contains special auxiliary starting device, consisting of shutter valve in the main air intake, combined with a cam which locks auxiliary intake shut, has glass float chamber, shows at glance whether carburetor is working or not, w't each 10 lbs. .....each **AIIJ** $33.20
This carburetor is recommended to Ford owners as a great help in starting on the magneto.
Manifold directions with each.

VALVE GRINDERS.



No. 6534—High grade steel, nickel plated, mahogany handle, fits valves accurately, w't each 14 oz., per dozen ..... **BAJ** $3.50
A set of valves can be reground in a few minutes and without difficulty by aid of this handy little tool. It is the only grinder that will fit the last valve on a model T Ford. Will last a lifetime.
LOOSE.

SOCKET WRENCHES.



No. 6540—High grade steel, nickel plated, good leverage, hardened steel socket, w't each 14 oz., each ..... **DB** $0.70
Sockets fit bolts on Ford Cylinder Heads, are machine turned and broached to size, applied to rod by special process, guaranteed not to twist or shear off. Loop handle gives good grip and does not cut the hand.

TOP HOLDERS.



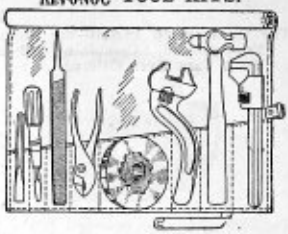
No. 6297—Bair Special Bow, Holders, black enamel, w't per pr. 4 lbs., per pair ..... **BAJ** $3.50
Instantly adjustable to Ford cars. Only necessary to remove old equipment and attach. Save their cost in repair bills in one season.
ONE PAIR IN A BOX.

RADIATOR CAPS.

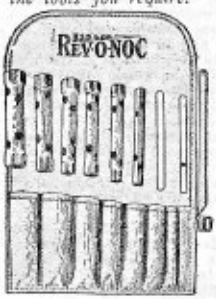


Cast Brass, Weight per Dozen 6 Lbs.
No. 7155—Highly polished brass, per dozen ..... **DBJ** $7.05
No. 7156—Polished nickel, per dozen ..... **EJE** $8.40
A practical addition to any Ford car, easily unscrewed.

REVONOC TOOL KITS.



No. 6436 REVONOC—Canvas case, with pocket for each tool, small, handy, compact, contains 8 practical high grade tools, w't 5 lbs., each **BGJ** $4.50
10 in. black drop forged wrench.
10 oz. machinishts' ball pein hammer.
8 in. adjustable S wrench and tire tool.
6 in. drop forged combination pliers.
8 in. flat file.
2½ in. square shank machinists, screw driver.
¾ in. half polished cold chisel.
½ lb. roll best friction tape.
The "Business-man's Kit." This is the only kit of this type on the market and gives you in a neat small compact manner the tools you require.



No. 6438 REVONOC—Contains 6 double end drawn steel black enameled socket wrenches with U. S. standard nut openings on one end and S. A. E. standard openings on the other end, sockets to take the following sizes of nuts.

Size of Bolt.	U. S. Opening.	S. A. E. Opening.
7/16	13/32	
¼	½	7/16
5/16	19/32	¼
3/8	¼	9/16
7/16	25/32	5/8
½	7/8	3/4
9/16	31/32	7/8
5/8		1/8

Complete with 2 handles, in a cloth roll, w't each 3 lbs.....each **BJE** $3.40
A most complete set, embodying all

RADIATOR HOSE CONNECTIONS.



No. 6424—3 ply hose, 1¼ in. diam., 2¼ in. long, w't per doz. 1½ lbs., per dozen ..... **ABJ** $2.00
No. 6425—3 ply hose, 2 in. diam., 3¼ in. long, w't per doz. 1½ lbs., per dozen ..... **AEJ** $2.50
This hose is made especially for use in Ford Cars and is proper length for making radiator connections.

SUNDRIES FOR FORD CARS.

HUB CAPS.



No. 7150—18 gauge polished brass hub caps for Ford cars, w't per doz. 6 lbs., per dozen ..... **BAJ** $3.50

Replace lost or dented hub caps and thus protect the nuts on the end of the axles.

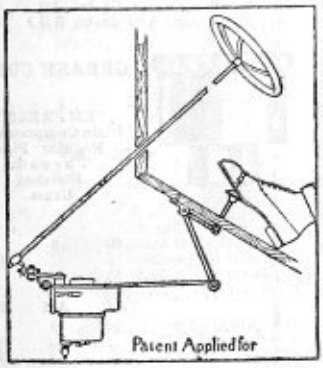


No. 7152—Malleable iron, japanned, w't per doz. 6 lbs., per dozen **CCJ** $5.50

A great help to owners of Ford cars. To remove wheel, simply screw wheel puller on the hub and tighten bolt which forces the wheel off.

LOOSE.

FOOT ACCELERATOR.

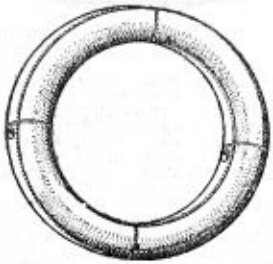


No. 6296—For Ford cars, w't each 1 lb., complete per set ..... **ABJ** $2.00

Complete, will fit right in regular connections, no cutting or drilling required to attach. Does not interfere with any working part of the car. Works independent from the hand throttle, allowing driver to graduate flow of gas efficiently, thereby saving fuel. In driving over heavy roads and through congested districts it enables the driver to keep both hands on the wheel and yet have the speed of the car under perfect control, also to make a quick and easy start without stalling the motor.

ONE SET IN A BOX.

SPECIAL TIRE COVER.



No. 7125—30x3 in. black cover, w't each 1½ lbs. .....each **JIJ** $1.50
No. 7126—30x3½ in., otherwise same as No. 7125 .....each **JIJ** $1.50

This cover overlaps the circumference of the tire and is held smooth and perfect fitting with buttons.

ONE IN A BOX.

BRAKE LINING SETS.



No. 7170—Set complete, cut to length, rivets included, w't each 1 lb., each ..... **JIJ** $1.50

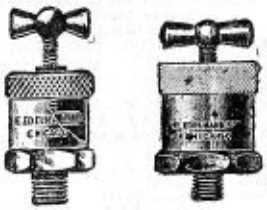
The Transmission Brake Lining eliminates the chatter, caused by brake lining hardening and glazing, and gives long wearing life.

No wire is used in its manufacture, thus eliminating the danger of short circuiting the magneto.

Each box contains one set or three pieces of Brake Lining 23 in. long, 1⅛ in. wide and 5-32 in. thick, together with a sufficient quantity of brass rivets to attach to a set of Transmission Brake Bands.

ONE SET IN A BOX.

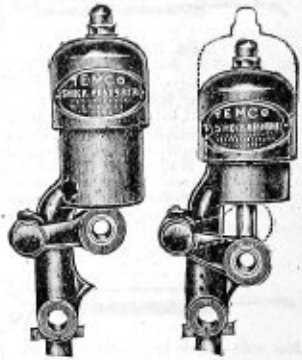
GREASE CUPS.



No. 7160—Brass, ⅛ in., I. P. thread, ½ oz. capacity, w't per doz. 2 lbs., per dozen .....**AFJ** $2.70
No. 7161—Brass, ⅛ in., I. P. thread, ¾ oz. capacity, w't per doz. 2 lbs., per dozen ..... **CAJ** $5.20

LOOSE.

SHOCK ABSORBERS.



Improved.

No. 6278—Temco, genuine crucible vanadium steel helical springs, two in each absorber, 4 in a set, w't per set 30 lbs. .....per set **AJHJ** $18.00

The Improved Temco Shock Absorbers give a Ford car greater flexibility and make it much easier riding.

New model shock absorbers have telescoping dust caps, eliminating the denting and losing of caps so common to the majority of absorbers.

Temcos cannot ride away—a fault found in most—on account of the radius link construction. This feature makes them the safest shock absorbers on the market.

ONE SET IN A CARTON. WE DO NOT BREAK SETS.

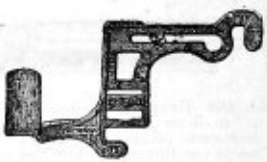
LICENSE BRACKETS.

Stamped Steel, Black Enameled, Light Weight.



Front License Brackets.

No. 5987—Attaches to headlight bracket on Ford cars when tag is not over 15 in long .....each **CE** $0.60



Combination Rear Lamp and License Tag Holders.

No. 5988—Interchangeable type, flat prop, made for lamps that do not have combination sockets and require flat prop .....each **CE** $0.60

OILERS, GREASE GUNS, ETC.

AUTO OIL GUNS.



Steel Piston Rod.

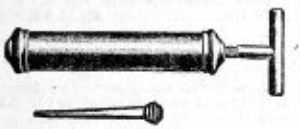
No. 6301—8 in. barrel, 5 in. nozzle, polished brass.....each **CF** $0.60

No. 6302—10 in. barrel, 5 in. nozzle, polished brass.....each **DB** $0.70

These are useful tools for any engineer. They will draw oil from a drip pan or can. Will handle light or heavy oil equally well. They are equipped with double plungers, one set draws up, the other forces it out. They are well made and will last indefinitely.



No. 6303—1¼x8 in., polished brass, for non-fluid and heavy oil, fitted with cork plunger metal handle with finger clips.....each **DB** $0.70



No. 6304—1¼x 6 in., polished brass, 4 in. straight spout, cork plunger metal handle for heavy oil....each **ED** $0.90

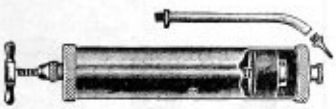
This gun has a screw rod with four threads to the inch.

No. 6305—1¼x10 in., otherwise same as No. 6304.....each **JFE** $1.10



No. 6306—1¼x6 in., polished brass, cork plunger, metal handle, two spouts for oil and grease.....each **JFE** $1.10

COMBINATION OIL AND GREASE GUNS.



No. 6309—Heavy gauge brass cylinder, 2¼ in. diam., 9 in. long, capacity 1 lb., has cork plunger, shank has spiral worm cut thread, combination oil and grease spout, w't each 2 lbs., each .....**AGJ** $2.80

Very substantially built, will give a great deal of service—having several exclusive features and the first time a gun of this quality has been offered to the trade at a reasonable price.

ONE IN A BOX.

AUTOMATIC GREASE GUNS.



No. 6320—1½x8 in., highly nickeled, curved grease spout, 3 in. straight oil spout, metal plunger with piston rings, automatic ratchet and lever for forcing heavy grease, large handle, quickly filled with heaviest grease, w't each 2 lbs.....each **BGJ** $4.50

This grease gun enables you to reach places not readily accessible on a car—operating the gun with one hand, same as you would a pistol, i. e., pull the trigger. A half turn of the plunger rod disengaging the ratchet and gun can be used as a regular oil gun. The most serviceable gun on the market.

AUTOMOBILE OILERS.



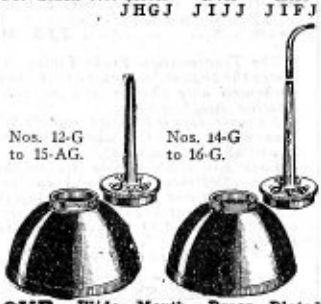
Pump, Swivel Spout.

POLISHED BRASS.

Nos.	48-G	48½-G	49-G
Cap., pts.	½	½	1
Diam., in.	3¾	3¼	4¼
Spout, in.	5	9	9
Per dozen	$25.00	26.00	30.00
	AAAJ	AADJ	ABJJ

COPPERED STEEL.

Nos.	048-G	048½-G	049-G
Cap., pts.	½	½	1
Diam., in.	3¾	3¼	4¼
Spout, in.	5	9	9
Per dozen	$16.00	17.00	18.00
	JHGJ	JIJJ	JIFJ



G½B, Wide Mouth, Brass Plated Seamless Steel Body, Double Seamed Spring Steel Bottom.

STRAIGHT SPOUT.

Nos.	12-G	13-G	13-AG	14-AG
Capacity, pt.	1-5	⅕	⅕	⅕
Diam., in.	2¾	3⅛	3⅛	3¼
Spout, in.	3	5	5	3
Per dozen	$4.50	5.50	6.00	7.50
	AAJ	ACJ	ADE	AHJ

Nos.	14-AAG	15-G	15-AG
Capacity, pt.	⅕	1	1
Diam., in.	3¼	4⅛	4⅛
Spout, in.	5	5	5
Per dozen	$8.00	9.25	9.75
	AIJ	BBJ	BCE

BENT SPOUT.

Nos.	14-G	14-BG	16-G
Capacity, pt.	⅕	⅕	1
Diam., in.	3⅛	3¼	4⅛
Spout, in.	9	9	9
Per dozen	$6.50	8.50	10.50
	AEE	BJE	JBEJ

W'T PER DOZ. 3 TO 6 LBS. 1 DOZ. IN A BOX.

OILERS.



Occupies very small space, easily carried in tool kit.

Its powerful spring makes it practically a squirt gun that will throw a stream of oil into any part of the car.

No. 6315—Heavily copper plated, ¾ pt., 6⅛x3x1¾ in., 4 in. reversible spout with metal cap, drip cap at base o' spout catches all surplus oil, each .....**CF** $0.60

OIL CAN HOLDERS.



No. 6310—Reliable holder for cans up to 3¼ in., easily attached to dash under hood of car, holds can in upright position, cannot work loose, per dozen .....**AFJ** $2.70

No. 6311—Universal holder, will hold firmly all styles of 3¼ in., 3¾ in. and 4¼ in. oil cans, per dozen **BGJ** $4.50



GREASE CUPS.

"EMPRESS," Plain Compression, Regular Pipe Thread, Polished Brass.

No. 100-G—Size	00	0	1
Threaded for pipe, in.	⅛	¼	¼
Capacity, oz.	½	⅔	1
Each	$0.23	.30	.38
	AC	AH	BC

No. 100-G—Size	2	3
Threaded for pipe, in.	⅜	½
Capacity, oz.	2	3½
Each	$0.50	.70
	JCJ	JDJ

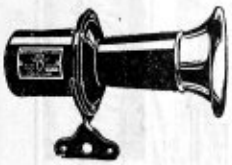


"EMPRESS," Ratchet Compression, Lug Cap, Regular Thread, Rough Brass.

No. 103-G—Size	000	00	0
Threaded for pipe, in.	⅛	⅛	¼
Capacity, oz.	¼	½	¾
Each	$0.32	.40	.48
	JAI	JBD	JBI

AUTOMOBILE HORNS AND SUPPLIES.

MOTOR DRIVEN HORNS.

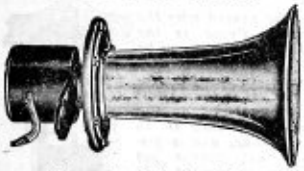


No. 6033—Stewart, 6 in. projection, black and nickel, enclosed motor, fool proof, made from best materials, guaranteed, w't each 5 lbs. .....each **EDJ** $9.00

Produces a penetrating sound of great volume; equal in material and workmanship to any horn on the market.

ONE IN A BOX.

ELECTRIC HORNS.



"Samson" Vibrator Type.

No. 6052—Nickel and black, dust and moisture proof, 13 in. projector, highly polished, complete with cord and button, w't 6 lbs. .....each **DGJ** $7.80

No. 6053—All black, otherwise same as No. 6052 .....each **DGJ** $7.80

LONG HAND HORNS.



Nos. 6070 and 6073.

No. 6070—Black enamel, length 9½ in., diameter of bell 6 in., w't each 8 lbs., each .....**AJJ** $16.70

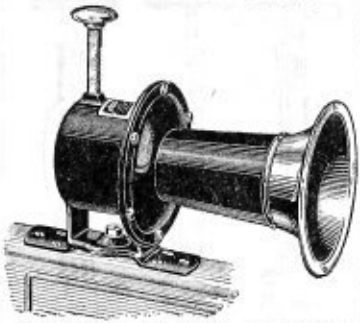
No. 6071—Black and nickel, otherwise same as No. 6070 ...each **AJJ** $16.70

No. 6072—Black enamel, length 7½ in., diameter of bell 5 in., w't each 5 lbs., each .....**DJJ** $6.66

The horn that is reliable, nothing to get out of order. Projector is one piece without seam, all gears are cut, housing is made of fine heavy grade metal. All parts enclosed and protected from rain, snow or mud. With a few drops of oil now and then will outlast any car built.

ONE IN A BOX.

HAND OPERATED HORNS.



No. 6034—Stewart, steel, finished in black enamel and nickel, universal adjustable bracket, steel plunger, length 9 in. w't each 5 lbs., each .....**DBJ** $5.00

Gives a deep, full penetrating tone.

SAMSON MOTOR DRIVEN HORNS.



No. 6068.

No. 6068—All black, 8 in. projector, complete with cord and push button, w't each 7 lbs. .....each **JGBJ** $12.00

No. 6069—Black and Nickel, otherwise same as No. 6068 ..each **JGBJ** $12.00

No. 6044—Black enamel, 13 in. overall, 6 in. flare, powerful adjustable horn producing an unusually loud and penetrating sound, w't each 8 lbs., each .....**AADJ** $19.00

In the motor driven Horn we have reduced the number of operating parts to a minimum. Has a well constructed, reliable motor and a simple sound producing device made by frequent hitting on a diaphragm. Slight oiling once in a while will keep this horn in successful operation for the life of the car. The bearings are heavy phosphor bronze. All parts are in perfect alignment.

PACKED ONE IN A CARTON.

SAMSON POPULAR PRICED VIBRATOR HORN.



No. 6048.

No. 6048—All black, 8 in. projector, complete with push button, 10 feet of cord and mounting bolts, w't each 5 lbs., each .....**CJJ** $5.00

No. 6049—Black and nickel, otherwise same as No. 6048 ....each **CJJ** $5.00

PACKED ONE IN A CARTON.

HAND OPERATED HORNS.



No. 6035—Samson "Tiger," heavy steel, enameled, nickel trimmings, no springs, dogs, of complicated parts to get out of order, length 11 in., w't each 4 lbs. ..... **BDJ** $4.00

Can be placed on outside of car with handle inside. Operated by a turn of the handle in either direction. Instantaneous and positive in action. Can be installed by anyone. No bulbs, wires or batteries.

ONE IN A BOX.

HORN TUBES.



Flexible Brass.

No. 6077—½x40 in.....each **JGJ** $1.20
No. 6078—½x50 in.....each **JHE** 1.40



Highest Grade Seamless Rubber.

Nos.	6081	6082	6083
Diam., in.	3½	3½	3⅝
Each	$1.00	1.10	1.20
	JFJ	**JFE**	**JGJ**
Nos.	**6084**		**6085**
Diam., in.	3¾		4⅛
Each	$1.30		1.40
	JHJ		**JHE**

Fitted with universal thread for attaching to horn.

HORN REEDS.



No. 6093—Rubes', threaded, w't each 1 oz. .....each **BB** $0.36
Per dozen .....**BCJ** 3.80

Made of brass, fitted with a threaded bushing which screws onto horn. Fits any American horn and is superior to any other on the market.

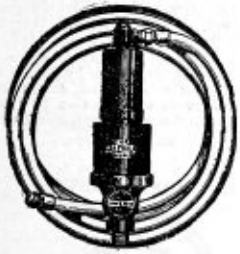


Extra Quality, Especially Annealed, Non-Corrosive Metal.

No. 6091—Plain .....each **AE** $0.24
No. 6092—Tapered .....**AE** .24

AUTOMOBILE PUMPS.

SPARK PLUG PUMPS.



No. 6354—All parts of best grade bronze and brass with rubber tubing, furnished with adapters to fit any car and 12 ft. of high grade hose, gauge and connections ready for use, w't 2½ lbs. .....each **J I J J** $15.00

Remove spark plug from any convenient cylinder and attach pump. The cylinder in use does not fire, therefore in case of dual ignition it is necessary to discontinue the wire from the other plug in the cylinder. After connecting the hose from pump to tire, motor should be started and run on low throttle from three to four minutes.

HAND PUMPS.



No. 6357. No. 6358. No. 6359.

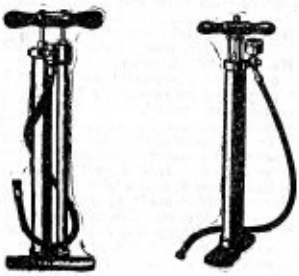
Polished Brass, Best Quality Rubber Hose.

No. 6357—Skinner compound pump, 1⅝x18 in., with air-tight nipple and pressure gauge .....each **C I J** $6.50

No. 6358—Skinner compound pump, 1⅝x18 in., with stirrup base and air-tight nipple .....each **B D J** $4.00

On Nos. 6357 and 6358 air in large cylinder is compressed into small cylinde on the down stroke, and on the down stroke also this compressed air is forced from small cylinder through a stationary piston and rubber base to tire.

No. 6359—Triple cylinder, compound pump, will inflate tire in half the time of other pumps, 22 in. brass cylinders, 20 gauge seamless drawn brass tubes, heavy case, enameled base ..... each **C F J** $6.00



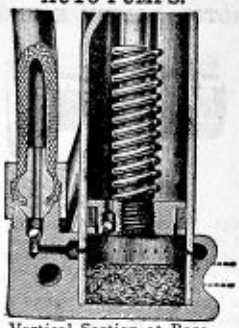
No. 6360. No. 6361.

No. 6360—Double cylinder compound pump, height 20 in., iron base, heavy polished brass cylinders, large cylinder 1¼x14 in., small cylinder ⅞x14 in., 24 in. rubber tube, ebonized wood handle ..... each **A G E** $2.80

This is a compound pump by which the air in a 1¼x14 in. heavy brass cylinder is compounded into a ⅞x14 in. brass cylinder on the up stroke and on the down stroke this compounded air is forced into the tire. The gradual compression makes it possible to obtain 90 lbs. pressure easily.

No. 6361—Stapley, heavy seamless tubing, 14 in. polished brass cylinders, will not rust, absolutely non-leakable joints, automatic valve opener, each .....**C J J** $5.00

AUTO PUMPS.



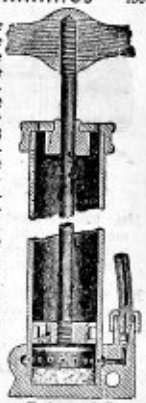
Vertical Section at Base.

No. 6363—Pitner, seamless brass cylinder pump, 18 in. stroke, each .....**C H J** $6.30

No. 6370—Pitner connections, each .....**C J** .50

The reason why the Pitner Pump is the only pump that can be so guaranteed are shown in the illustrations. It is the easiest working pump on the market, having an 18 in. stroke, and a piston that cannot get out of alignment. It has proven 98% efficient while other pumps waste as high as 20% of the energy put into them. No hand pump can be compared with the Pitner in strength of construction and satisaftcion in service.

The vertical section at base shows all working parts.



Enlarged Sectional View.



Double Action.

No. 6364—Seamless brass, cylinder pump, 18 in. stroke, complete, each .....**D B J** $7.00

Sold under guarantee of five years' service. Construction same as in the Pitner Single Action Pumps. Highest grade materials and workmanship. To those who prefer a powerful pump which will inflate a tire more quickly than a single action pump, we recommend the Pitner Double Action Pump. No other hand pump will produce a volume of air equal to that delivered by the Pitner Double Action Pump.

AUTOMOBILE PUMPS.

AUTO TIRE PUMPS.

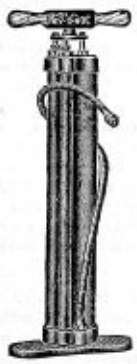


No. 6400 REVENOC—2 cylinder, made from polished and lacquered seamless brass tubing, 20 gauge, 1½ and ⅞ in. in diameter, 18 in. long, heavy cast iron base, wood handle, leather plungers, chemically treated, 30 in. length of 5 ply pump tubing, substantial connection for tire, weight each 6 lbs., each .....**AIJ** $3.20

Our REVENOC *Tire Pumps do the work with less exertion and quicker than any similar pump on the market.*

Each pump guaranteed for one year.

ONE IN A CARTON.



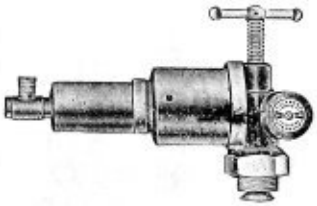
No. 6401 REVENOC—3 cylinder, made from polished and lacquered seamless brass tubing, 20 gauge, 1¾ in., 1½ in., ¾ in. in diameter, 20 in. long, heavy cast iron base, hardwood handles, equipped with 30 in. length of 5 ply pump tubing and a substantial pump connection, leathers chemically treated, w't each 8 lbs. .....each **CIJ** $6.50

Our REVENOC *Tire Pumps do the work with less exertion and quicker than any similar pump on the market.*

Each pump guaranteed for one year.

ONE IN A CARTON.

VALVE CAP PUMPS.



No. 6350—A "Stay on the Motor" pump, always attached and ready for service, to fit your engine remove a cap from one of the exhaust valves and tap same 1⅜—24 thread, install pump into valve cap as per directions furnished, fully guaranteed to give satisfactory service, furnished complete with 14 ft. superior hose, accurate gauge and connections and full directions, w't each 5 lbs. .....each **ACEJ** $22.50

Before ordering, examine your motor to be sure valve cap can be drilled and tapped 1⅜ in. If not, consult your local machinist about making a new valve cap.

ONE IN A BOX.

SPARK PLUG PUMPS.

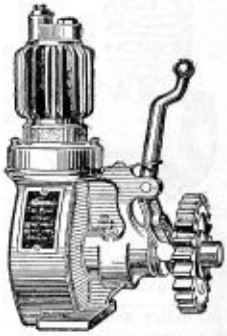
Special for Ford Cars.



No. 6349—Diminutive, Spark Plug Pump, guaranteed to give satisfaction and inflate tire with pure, fresh air, 70 lb. pressure in three minutes, attached and used the same as the Standard Spark Plug Pump, construction strong, metal piston rings and valves used, no wearing parts to break or get out of order, guaranteed for one year, fitted with ⅛ in. connection and furnished complete with 10 ft. hose, accurate gauge and connections, w't each 2 lbs. .....each **JGBJ** $12.00

ONE IN A BOX.

TIRE PUMPS.



No. 6345—Stewart, one cylinder, light in weight, aluminum base, steel piston, hardened, ground and lapped, 1$\frac{7}{16}$ in. bore, 2½ in. stroke, has an extra long bearing, fitted with oil conductors to insure correct lubrication, hardened steel connecting rod, finely machined cylinder, air cooled with fins which insure perfect cooling, no rubber or leather packings to wear or cause leakage, will fill a large tire in less than five minutes, complete with gear, air pressure gauge and 13 ft. of hose with connections, w't each 10 lbs., each .....**ABJJ** $20.00

The air is protected with a double ball valve, so that in case the dirt should hold one of these valves open, the other would be sure to act, allowing no loss of air. All air pumped into tires is screened.

The piston rubs against an oil soaked wick which supplies all oil needed and yet prevents one particle of excess oil getting into the cylinder. No oil can be carried with the air into the tires.

These are now ready for over 75 different cars. Advise us the name and model and we will supply if possible.

In ordering, state make of car, year and model number.

ONE IN A BOX.

GARAGE AIR COMPRESSORS.

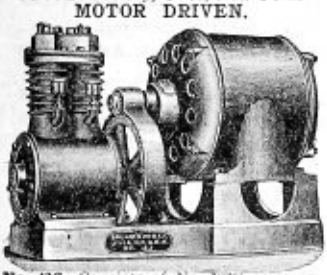
This line, with the exception of Mayos Electric, is guaranteed absolutely high grade, thoroughly practical equipment. Each compressor is equipped with three metallic piston rings, and they are guaranteed mechanically perfect.

BELT DRIVEN.



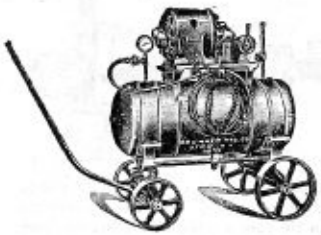
No. 102G—Two vertical cylinders, capacity of three feet of air at 400 R. P. M., and 150 lbs., requires ½ H. P., w't each 38 lbs., complete with 9 in. tight pulley only★ each **CJAE** $50.25
With 9 in. tight and loose pulleys, each★ .....**CCCJ** $55.50
With 9 in. pulley and clutch as illustrated★ .....each **CFJJ** $60.00
Suitable for garages housing up to 50 cars, and tanks up to 50 gallons. The best air compressor of its capacity made.
No. 101G—Vertical type, one cylinder, capacity 1½ cubic feet of free air per minute at 400 R. P. M., and 140 lbs., floor space 6½x9 in., requires but 1-3 H. P., w't 28 lbs., otherwise same as No. 102G, complete with 8 in. tight pulley only★ .....each **BAAJ** $35.30
With 9 in. pulley and clutch, each★ .....**BIGE** $49.60
Suitable for garage housing about 25 cars, and tanks up to 24 gallons.
No. 100G—Horizontal type, one cylinder, capacity of one cubic foot of free air per minute at 350 R. P. M., and 135 lbs. pressure, requires ¼ H. P., floor space 8x11 in., w't each 23 lbs., complete with 8 in. tight and loose pulleys★ .....each **AGCJ** $28.80
Suitable for garage housing about 20 cars, and tanks up to 20 gallons.
F. O. B. Factory, Utica, New York.

MOTOR DRIVEN.



No. 42G—Consists of No. 102G compressor geared to a ½ H. P. motor by means of a rawhide pinion gear and mounted on an iron base, operates at 350 R. P. M., capacity 2½ feet per minute, will run pressure in 40 gallon tank from 100 to 150 lbs. in approximately 13 minutes, height 16½ in., floor space 11x18½ in., w't each crated 200 lbs., with 110 or 220 volt direct current motor, each★ .....**AJHJJ** $180.00
With 110 or 220 volt, 60 cycle, 1 phase A. C. Motor★.....each **ABAE** $202.50
Suitable for garages housing up to 75 cars, and tanks up to 65 gallons, or for garages housing 100 cars if used with our automatic controller.
★*F. O. B. FACTORY, UTICA, N. Y.*

PORTABLE ELECTRIC.



No. 50G—16 gal. seamless steel tank, ¼ H. P., motor capable of starting compressor against 120 lbs. tank pressure, guaranteed for 150 lbs. pressure, compressor will run pressure from 100 to 150 lbs. in about 12 minutes, and 150 lbs. tank pressure will inflate two flat 4 in. tires to 90 lbs. before pressure falls to 100 lbs. in tank, or will harden up to a dozen or more soft tires without starting the motor, height 32 in., floor space 21x36 in., equipment includes gauge, hose, air valves, light cord, tire tester and everything complete, w't each crated 350 lbs., with 110 or 220 volt direct current motor★ each **ABDHJ** $208.00

With 110 or 220 volt, 60 cycle, 1 phase A. C. motor★ ...each **ACIBJ** $232.00

No. 52G—Same design as No. 50G, but has 42 gallon seamless steel tank, No. 42 compressor and motor mounted on it, is just 2½ times the capacity of No. 50, floor space 27x41 in., w't each crated 645 lbs., with 110 or 220 volt direct current motor, each★ .....**AIHJJ** $330.00

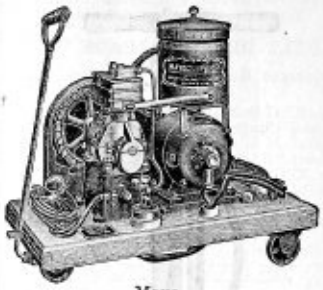
With 110 or 220 volt, 60 cycle, 1 phase A. C. Motor★ ..each **BAFJJ** $360.00

Equipment is complete in every detail, suitable for the largest of garages.

These are guaranteed the most complete and practical portable outfits made, they operate from any light socket, and when taken from shipping crate are ready for use.

F. O. B. FACTORY, UTICA, N. Y.

PORTABLE ELECTRIC.



Mayo.

No. 6351—Outfit occupies but little space, but is practical and efficient, cylinder of pump 1½ in. bore x 2 in. stroke, base special die cast metal, crankshaft drop forged, turned and ground to size, connecting rod drop forged, marine type, die cast bearing same as used in automobile construction, exclusive oiling system, entire outfit and equipment mounted permanently upon a heavy oak base with ends grooved and dovetailed, mounted on ball bearing castors, being easily moved, attaches to any electric light socket, w't 100 lbs., compressor outfit complete ready for use★ .....**JGHJJ** $130.00

The pump is kept cool by a constant flow of water around the water jacketed pump cylinders supplied from the water tank located over the electric motor and by Thermo Syphon System of flow. No chance of burning out electric motor by starting against too heavy resistance (that of a tire inflated to fifty pounds pressure and over) as the air is first pumped to an auxiliary tank located underneath the pump. This exclusive feature gives the motor time to gain speed before the heavy work is commenced.

Ten feet of electric wire with separable attachment plug. Twelve feet of high grade rubber tubing with thoroughly accurate pressure gauge and tire valve connection. Holders for both electric wire and hose.

Oil cannot get into the tire. Surplus oil is carried on and returned to oil wells and used again.

IN ORDERING, SPECIFY IF FOR ALTERNATING OR DIRECT CURRENT; ALSO IF 110 OR 220 VOLT MOTOR IS REQUIRED.

ONE IN A CRATE.

★*F. O. B. CHICAGO.*

GARAGE OUTFITS.

To assist our customers in selecting a complete Air Pressure installation, we list below several outfits complete, less iron piping, for shipment from our factory. There is an outfit adapted to your particular requirements and we recommend these just as listed to secure the best results.

We will submit quotations on outfits for any size or style of garage upon application.

BELT DRIVEN GARAGE OUTFIT No. 1-G.

For Garages Housing up to 60 Cars and Large Vulcanizing Shops.

1—No. 102-G Belt Driven Air Compressor, 9 in. Pulley and Clutch	$ 60.00
1—50 Gal. 16 in. x 60 in. Galvanized Air Tank	34.50
1—Model "B" Air Gauge	3.00
1—No. 75-G Vertical Check Valve	1.90
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 83-G ¼ in. Needle Valve	1.90
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

JGJJJ $116.70★

BELT DRIVEN GARAGE OUTFIT No. 2-G.

For Garages Housing 15 to 20 Cars and Vulcanizing Shops.

1—No. 100-G Belt Driven Compressor, 8 in. T. and L. Pulleys	$ 27.00
1—20 Gal. 14 in. x 30 in. Galvanized Air Tank	16.50
1—Model "B" Air Gauge	3.00
1—No. 75-G Vertical Check Valve	1.90
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 83-G ¼ in. Needle Valve	1.90
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

CHHJ $65.70★

BELT DRIVEN GARAGE OUTFIT No. 3-G.

For Garages Housing 20 to 25 Cars and Vulcanizing Shops.

1—No. 101-G Belt Driven Compressor, 9 in. Pulley and Clutch	$ 45.00
1—26 Gal. 16 in. x 30 in. Galvanized Air Tank	20.24
1—Model "B" Air Gauge	3.00
1—No. 75-G Vertical Check Valve	1.90
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 83-G ¼ in. Needle Valve	1.90
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

EBDE $87.44★

MOTOR DRIVEN GARAGE OUTFIT No. 6-G.

For Garages Housing 75 Cars, when Model "L" Controller is Used and up to 50 Cars Without Model "L."

1—No. 42-G Motor Driven Compressor, 110 or 220 V. 60 Cy. A. C.	$302.50
1—40 Gal. 16 in. x 48 in. Galvanized Air Tank	27.76
1—Model "B" Air Gauge	3.00
1—No. 75-G Vertical Check Valve	1.90
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 83-G ¼ in. Needle Valve	1.90
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

AEADE $252.46★

1—Model "L" Controller to make outfit automatic—optional	60.00

AHGDE $312.46★

BOXED COMPLETE.

MOTOR DRIVEN GARAGE OUTFIT No. 7-G

For Garages Housing 20 to 25 Cars and for Vulcanizing Shops.

1—No. 41-G Motor Driven Compressor, 110 or 220 V. 60 Cy. A. C.	$142.50
1—24 Gal. 14 in. x 36 in. Galvanized Air Tank	18.00
1—Model "B" Air Gauge	3.00
1—No. 75-G Vertical Check Valve	1.90
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 83-G ¼ in. Needle Valve	1.90
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

AJIFJ $182.70★

1—Model "L" Controller to make outfit automatic—optional	60.00

ADEFJ $242.70★

MOTOR DRIVEN GARAGE OUTFIT No. 8-G.

For Large Garages Housing More Than 75 Cars.

1—No. 47-G Compressor, 220 or 440 V. 2 or 3 Phase, 60 Cy. A. C.	$360.00
1—100 Gal. 22 in. x 60 in. Galvanized Air Tank	73.50
1—Model "B" Air Gauge	3.00
1—No. 76-G ½ in. Vertical Check Valve	4.12
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 84-G ½ in. Needle Valve	3.00
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

BGEDJ $459.02★

1—Model "L" Controller to make outfit automatic—optional	60.00

CAADJ $519.02★

If an outfit similar to above is desired for operation on Direct Current, see Outfit No. 9-G.

MOTOR DRIVEN GARAGE OUTFIT No. 9-G.

For Large Garages Housing More Than 75 Cars.

1—No. 47-G Compressor, 110 or 220 V. Direct Current.	$390.00
1—100 Gal. 22 in. x 60 in. Galvanized Air Tank	73.50
1—Model "B" Air Gauge	3.00
1—No. 76-G ½ in. Vertical Check Valve	4.12
1—No. 72-G Safety Valve for Air Tank	3.00
1—No. 84-G ½ in. Needle Valve	3.00
1—No. 83-G ⅜ in. Needle Valve	1.90
1—No. 82-G ⅜ in. Needle Valve with Swivel Hose Connection	2.24
1—Automatic Tire Connection	1.50
1—25 ft. Drop Line ⅜ in .Air Hose	6.76

BICDJ $489.02★

1—Model "S" Controller to make outfit automatic—optional	157.50

CHGIJ $646.52★

BOXED COMPLETE.

★F. O. B. FACTORY, CENTRAL NEW YORK.

AIR LINE AND PUMP FITTINGS.

NEEDLE VALVES.

No. 82G—Brass, for use on air lines carrying pressures up to 150 lbs., one end has male connection either ¼ or ⅜ in. to screw into pipe line and swivel connection on other end to fit ¼ in. hose★.....each **AFJ** $2.70

No. 83G—Similar to No. 82G, but is for use in pipe line to do away with ordinary globe valve, both ends have female connections tapped for ¼ or ⅜ in. I. P.★.....each **ADJ** $2.30

SAFETY VALVES.

No. 72G—All brass with soft seat, suitable for air pressure only, can be adjusted to blow off at any desired pressure up to 150 lbs., ¼ or ⅜ in. male connections★..each **BAE** $3.60

IRON CASE AIR PRESSURE GAUGES.

Model A—2½ in. with ⅛ in. male pipe connection, pressure reading up to 180 lbs., has self-contained movement, not affected by jar or vibration of engine★ .....each **CCJ** $5.50

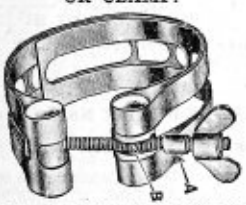
EXTRA HEAVY GALVANIZED AIR TANKS.

The air tanks listed below are made of the best extra heavy open hearth flange steel and are heavily galvanized both inside and out. They are not the ordinary range boiler variety but are made especially for air pressure, and are guaranteed to withstand a pressure of 150 lbs. per sq. in. Made with great care to insure against leakage or accident, and are particularly adapted to garage use.

Capacity, Gal.	Lbs.	Dimensions.	Each.
20	75	14x30 in.★ **JIIJ**	$16.50
40	100	16x48 in.★ **AFEE**	27.80
65	200	19x60 in.★ **BHHJ**	48.00
100	350	22x60 in.★ **DDAJ**	73.50
160	450	24x84 in.★ **JGJIJ**	121.50

★*F. O. B. FACTORY, UTICA, N. Y.*

CATELAIN HOSE COUPLING OR CLAMP.



Consists of a Brass Band ¾ in. Wide, Encircling the Hose and Drawn Tight with a Screw and Brass Thumb Nut. Made to Fit the Following External Diameters.

Nos.	1-G	2-G	3-G
Fits hose, in...	¾to1½	1¾to2½	2¾to4
W't, doz., lbs.	1⅞	1⅜	2
Per dozen	$2.80	3.10	3.60
	AGJ	**AHE**	**BAE**

Clamps any round or oblong shape and can be installed without disconnecting hose. Can be tightened up with the fingers alone. Particularly adapted for applying in places that are hard to reach or where a tool cannot be used.

Widely used in connecting up automobile radiators.

ONE DOZEN IN A BOX.

HOSE CLAMPS.



No. 4G—⅜ in., per C.....**BDJ** $4.00

No. 5G—7/16 in., per C.....**BDJ** 4.00

No. 6G—½ in., per C.....**BDJ** 4.00

TIRE VALVES AND PARTS.



Shrader Valve Parts.

No. 99-1—Caps .....per 100 **AIJ** $3.50

No. 99-2—Cap washers, per 100 .....**EJJ** 8.74

No. 99-4—Inside complete, per 100 .....**BIJ** $5.06

No. 777—Schrader, valve for tires up to 3½ in., comes with bushing No. 819, each .....**BI** $0.48

No. 725—Schrader, valve for tires from 3½ in. up .....each **CE** $0.54

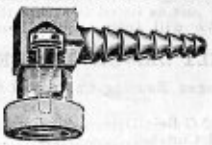


No. 6390—Dust cap for valve Nos. 725 and 777, when supplied with bushing No. 819 .....each **JF** $0.10



No. 819—Bushing for valve Nos. 777 and 725 .....each **JF** $0.10

AUTOMATIC AIR CHUCKS.

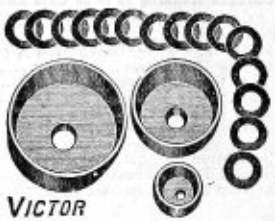


No. 6374—Brass, w't each 6 oz., each .....**JIJ** $1.50

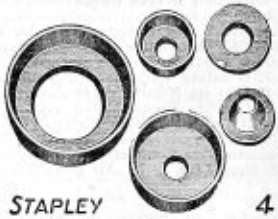
This air chuck has been proven to be the ideal hose connection at the end of storage tank hose line. Saves you air and time. To operate, simply press the air chuck over the tire valve. When you remove it, the valve closes automatically and remains closed until it is again used.

All parts renewable.

PUMP LEATHER WASHER SETS.



No. 6420—Set complete for No. 6359 Victor Pump or any 3 cylinder pump of similar type, w't per doz. sets 1½ lbs., per dozen sets .....**BHJ** $4.70



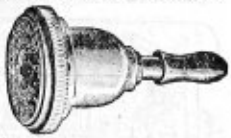
No. 6421—Set complete for No. 6361 Stapley Pump, w't per doz. sets 1½ lbs.....per dozen sets **AHE** $3.10



No. 6422—Set complete will fit Nos. 6257 and 6358 Skinner Pumps, 6360 Hill, 6362 Ideal, Imperial, Aeolus, Rex, Kellogg, Noera, and other 2 cylinder pumps, w't per doz. sets 1½ lbs., per dozen sets .....**JIJ** $1.50

AIR LINE AND PUMP FITTINGS.

PUMP CONNECTIONS.



No. 6371—Eclair, complete, each ..... AA $0.18
No. 6372—Eclair, rubber only, each ..... JC $0.04

Absolutely air tight.

The Eclair is worth while. Can be attached to the tire valve by simply pressing it on and can be removed just as easily. The rubber washers will not wear out, their life being practically indefinite. Exhaustive tests prove that the one washer will stand between 4,000 and 5,000 inflations and when necessary a new one can be inserted in an instant.



No. 6367—Keno, for outside connections, per dozen ..... BDJ $4.00



No. 6366—Keno, for inside connections, per dozen ..... AHJ $3.00

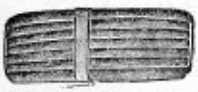
PUMP SHUT-OFF CONNECTIONS.



No. 6373—"Perfecto," same as our No. 6371 "Eclair," except it has a steel shut-off valve attached, per dozen ..... DJ $0.70

Particularly adapted to levies from air tank, in order that the pressure can be regulated at tire.

PUMP HOSE.



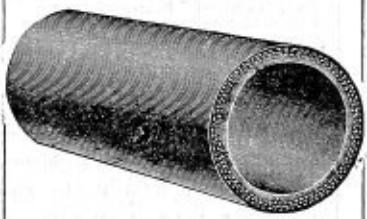
No. 6375—Fine grade of black rubber, 3 ply, will withstand any ordinary pressure to which it may be subjected for automobile pump usage, per foot ..... JG $0.10

ARMORED GARAGE AIR HOSE.



No. 6377—For rough and severe garage service, specially armored with half round steel wire to stand heavy pressure to prevent injury in service, withstands 2000 lbs. pressure and outlasts several pieces of ordinary hose, made of extra heavy air hose tube and five plies of tire fabric with very high grade friction, made regularly with ¼ in. hole, lengths 12 to 50 ft., per foot ..... AD $0.36

RADIATOR AND WATER HOSE.



Made from Para Gum and Finest Duck, with Inner Lining Specially Compounded to Resist the Action of Heat and Effectually Protect the Duck.

Carried Only in 3 Foot Lengths.

2 Ply Hose.		Per length.
No. 5955—Inside diam., 1	in. DD	$0.74
No. 5956—Inside diam., 1¼	in. FJ	.96
No. 5957—Inside diam., 1½	in. GJ	1.20
No. 5958—Inside diam., 1¾	in. HE	1.40
No. 5959—Inside diam., 2	in. JIE	1.60

3 Ply Hose.		Per length.
No. 5960—Inside diam., 2	in. AAJ	$1.80
No. 5961—Inside diam., 2¼	in. ABE	2.10
No. 5962—Inside diam., 2½	in. ADE	2.40
No. 5963—Inside diam., 2¾	in. AFJ	2.70
No. 5964—Inside diam., 3	in. AHJ	3.00

We do not cut lengths.

PRESSURE GAUGES.



No. 6382—Edelmann, tire gauge for pressures up to 150 lbs., for use in air line on pressure tanks, air compressors or pumps, placed in line at any point from source of supply to tire, highly nickel plated, each ..... JIE $1.60



No. 6383—Edelmann, pump gauge for pressures up to 150 lbs., has ⅛ in. pipe connection on back and can be used on a number of foot pumps, highly nickel plated, each JIJ $1.50

TIRE PRESSURE GAUGES.



Schrader Universal.

No. 6386—For pressures up to 120 lbs., length 2½ in., gauge complete, each ..... JIJ $1.50

This gauge is of the pencil type, and the best known gauge on the market.

ONE IN A POCKET CASE.



No. 6385—Twitchell, pressure gauge, each ..... JIJ $1.50

The famous Twitchell pressure gauge is well known among the trade, and with the refinements of the new gauge, is the most accurate one made. Scale has ratchet which holds in place after applying to tire, making it easy to read. To release indicator press to the side and spring draws it back in place.

ONE IN A BOX.

REVONOC WRENCH SETS AND TOOL KITS.

REVONOC ALL STEEL SOCKET WRENCH SETS.



No. 6495 REVONOC—Large Auto Set, all steel socket wrenches, complete in wooden box, consisting of—

1 Handle, nickeled and polished.
1 Long Extension Bar.
2 Short Extension Bars.
2 Screw Driver Bits, 1 large and 1 small.
1 Universal Joint.
1 Spark Plug Socket.
30 Case Hardened Cold Drawn Steel Sockets.

All fully guaranteed, w't per set 15 lbs. .....per set **JGCJ** $12.20

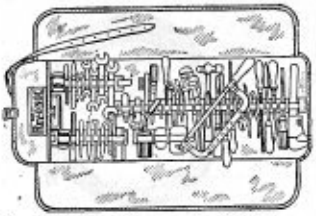


No. 6496.

No. 6496 REVONOC—Small Auto Set, 11 case hardened sockets, w't per set 6 lbs., otherwise same as No. 6495 REVONOC, per set .....**EEJ** $9.30

The REVONOC Socket Wrench Sets will fit every nut or bolt on any car and will get into any place no matter how difficult of access. The universal joint permits using the wrench at any angle up to ninety degrees with perfect ease. The REVONOC sets are the best, most fully equipped, strongest, simplest socket wrench sets to be obtained.

REVONOC TOOL KITS.

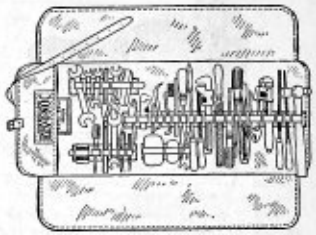


No. 6437 REVONOC—Garage tool kit, heavy waterproof duck case, genuine leather adjustable retaining strap, with deep end pocket, contains 40 high grade practical tools, w't 18 lbs., each .....**AECJ** $25.50

11 in. Mottled Drop Forged Steel Monkey Wrench and Tire Tool.
9 in. Machinists All Steel Drop Forged Square Shank Screw Driver.
5 in. Electricians' Square Shank Steel Screw Driver.
4 in. Electricians' Round Shank Steel Screw Driver.
3 in. Electricians' Round Shank Steel Screw Driver.
No. 23 Finished 15 degree Angle Drop Forged Wrench.
No. 25 F. 15 degree A. D. Fgd. Wrench.
No. 27 F. 15 degree A. D. Fgd. Wrench.
No. 29 F. 15 degree A. D. Fgd. Wrench.
No. 31 F. 15 degree A. D. Fgd. Wrench.
No. 1 Machinists' Bearing Scraper.
1 lb. Soldering Copper with Handle.
8 in. Square File with Handle.
8 in. Round File with Handle.
8 in. Flat File with Handle.
6 in. Tapered File with Handle.
4 in. Warding File with Handle.
6 in. Side Cutting Pliers.
6 in. Nickel Plated Adjustable Combination Pliers.
6 oz. All Steel Drop Forged Machinists, Hammer and Tire Tool.
10 in. Stillson Wood Handle Pipe Wrench.
6 in. Drop Forked Steel Adj. S Wrench.
4 in. One Valve and Tire Tool.
Wire Bristle Spark Plug Brush.
4 in. Drop Forged N. P. Shop Wrench.
1 Adjustable Hack Saw Frame, Nickel Plated and Blade.
½ in. Cape Chisel Polished Steel.
⅜ in. Cold Chisel Polished Steel.
½ in. Cold Chisel Polished Steel.
⅛ in. Solid Punch Polished Steel.
⅛ in. Center Punch Polished Steel.
⅛ in. Double Bent End Screw Driver.
⅛ in. Cotter Pin Extractor.
Double End Mottled Spark Plug Wrench.
Baby Blow Torch for Soldering.
Box Assorted Lock Washers and Cotter Pins.
Box Soldering Paste.
Spool 20 Copper Wire.
Spool 18 Steel Wire.
½ lb. Best Friction Tape.
Large 5 in. Pocket at End for Waste, etc. Adjustable straps to prevent loss or rattle of tools.

This is the first practical garage or repair man's tool kit to be placed on the market, containing tools that are of service and of such quality that they will answer the purpose. With this kit any repairs can be made that are necessary without inconvenience and all tools are kept in their place due to the adjustable retaing straps.

REVONOC TOOL KITS.

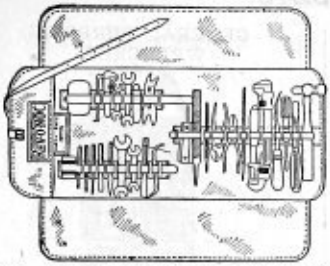


No. 6432 REVONOC—Heavy waterproof duck case, genuine leather adjustable retaining straps, large end pocket, contains 35 high grade practical tools, w't 14 lbs. .....each **JIIJ** $16.50

10 oz. Machinists' Ball Pein Hammer.
8 in. Round File with Handle.
8 in. Square File with Handle.
8 in. Flat File with Handle.
6 in. Tapered File with Handle.
9 in. Machinists' All Steel Square Shank Screw Driver.
5 in. Electricians' Square Shank Screw Driver.
3 in. Electricians' Round Shank Screw Driver.
1½ in. Electricians Round Shank Screw Driver.
10 in. Stillson Wood Handle Pipe Wrench.
6 in. Electricians Side Cutting Pliers.
6 in. Nickel Plated Combination Pliers.
10 in. Nickel Plated Drop Forged Shop Wrench.
1 lb. Soldering Copper with Handle.
No. 1 Machinists Bearing Scraper.
Spark Plug Brush.
Mossberg Double End Spark Plug Wrench.
No. 31 Full Finished 15 degree Drop Forged Wrench.
No. 29 Full Finished 15 degree Drop Forged Wrench.
No. 27 Full Finished 15 degree Drop Forged Wrench.
No. 25 Full Finished 15 degree Drop Forged Wrench.
No. 23 Full Finished 15 degree Drop Forged Wrench.
4 in. Nickel Plated Monkey Wrench.
Double Jaw Hand Wrench.
½ in. Polished Cape Chisel.
½ in. Polished Cold Chisel.
⅛ in. Solid Drive Punch.
⅛ in. Polished Center Punch.
⅛ in. Double End Bent End Screw Driver.
⅛ in. Cotter Pin Extractor and Spreader.
Bundle Strip Solder.
Bundle No. 18 Iron Wire.
Box Assorted Lock Washers and Cotter Pins.
Box Soldering Paste.
½ lb. Roll Best Friction Tape.
5 in. Pocket for Waste, etc.
Adjustable straps preventing loss and rattling of tools.

No expense has been spared to make this the best and most serviceable kit on the market. We have eliminated all unnecessary tools and substitute practical and useful ones in their place. It is indispensible on a long trip or tour.

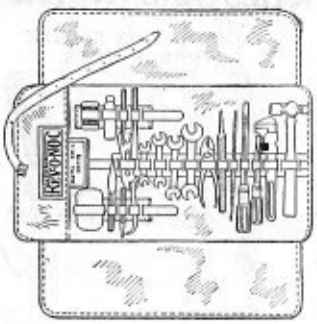
REVONOC TOOL KITS AND ROLLS.



No. 6433 REVONOC—Strong waterproof heavy canvas case with adjustable retaining straps of genuine leather, and deep end pocket, contains 30 high grade practical tools, w't 12 lbs., each ..... **JGFJ** $12.70

10 oz. Machinists' Ball Pien Hammer.
9 in. all Steel Machinists' Square Shank Screw Driver.
3 in. Electricians' Round Shank Screw Driver.
No. 1 Machinists' Bearing Scraper.
10 in. Mottled Drop Forged Shop Wrench
10 in. Stillson Wood Handle Pipe Wrench.
8 in. Round File.
8 in. Flat File.
6 in. Tapered File.
6 in. Black Side Cutting Pliers.
6 in. Nickel Plated Combination Pliers.
Mossberg Double End Spark Plug Wrench.
No. 29 Semi-Finished 15 degree Drop Forged Wrench.
No. 27 Semi-Finished 15 degree Drop Forged Wrench.
No. 25 Semi-Finished 15 degree Drop Forged Wrench.
No. 23 Semi-Finished 15 degree Drop Forged Wrench.
½ in. Cold Chisel, Half Finished.
⅜ in. Cape Chisel, Half Finished.
¾ in. Cold Chisel, Half Finished.
⅜ in. Drift Punch, Half Finished.
⅛ in. Solid Drive Punch, Half Finished.
⅜ in. Center Punch, Half Finished.
⅛ in. Cotter Pin Extractor.
⅛ in. Double End Bent Screw Driver.
Double Jaw Hand Wrench.
File Handle.
5 in. Black Steel Bicycle Wrench.
Box Assorted Cotter Pins and Lock Washers.
Spool No. 18 Iron Wire.
½ lb. Roll Best Friction Tape.
5 in. End Pocket for Waste, etc.
Adjustable straps preventing loss or rattle of tools.

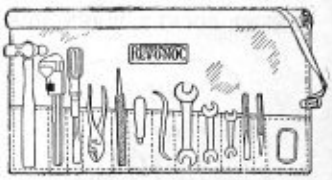
A choice assortment of practical, high grade tools, warranted perfect in quality and workmanship, a kit designed with exclusive features giving you all the practical tools in a manner both compact and handy, at the price this kit is offered it cannot be excelled.



No. 6434 REVONOC—Waterproof case with adjustable retaining straps of genuine leather, large pocket in end, contains 20 high grade practical tools, w't 8 lbs. ..... each **DHE** $8.10

10 oz. Machinists' Ball Pein Hammer.
10 in. Drop Forged Shop Wrench.
5½ in. Electricians' Square Shank Screw Driver.
3 in. Electricians' Round Shank Screw-Driver.
8 in. Round File.
8 in. Flat File.
6 in. Combination Drop Forged Pliers.
No. 29 Semi-Finished 15 degree Drop Forged Wrench.
No. 27 Semi-Finished 15 degree Drop Forged Wrench.
No. 25 Semi-Finished 15 degree Drop Forged Wrench.
No. 23 Semi-Finished 15 degree Drop Forged Wrench.
Double Jaw Hand Wrench.
⅛ in. Cotter Pin Extractor.
¾ in. Center Punch.
⅜ in. Solid Drive Punch.
½ in. Polished Cape Chisel.
½ in. Polished Cold Chisel.
1 File Handle.
Spool No. 18 Soft Iron Wire.
Box Lock Washers and Cotter Pins, assorted.
½ lb. Roll Best Friction Tape.
5 in. End Pocket for Waste, etc.
Adjustable straps preventing loss or rattle of tools.

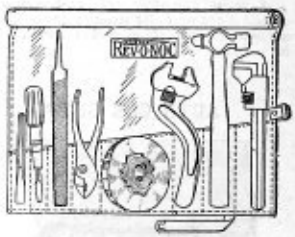
A kit designed for roadside repairs to meet the requirements of the average motorist. Contains practical and useful tools only, and is the only kit on the market at the price, having adjustable straps which keep your tools in place. Is very compact and a necessary part of every car. Tools are guaranteed.



No. 6435 REVONOC—Canvas case, with pocket for each tool, contains 12 high grade practical tools, w't 5 lbs., each ..... **BHE** $4.75

10 oz. Machinists' Ball Pein Hammer.
8 in. Drop Forged Shop Wrench.
3 in. Electricians' Square Shank Screw Driver.
6 in. Combination Drop Forged Pliers.
6 in. Flat File and Handle.
⅛ in. Cotter Pin Extractor.
No. 29 Unfinished 15 degree Drop Forged Wrench.
No. 25 Unfinished 15 degree Drop Forged Wrench.
No. 23 Unfinished 15 degree Drop Forged Wrench.
¾ in. Steel Cold Chisel.
⅝ in. Steel Solid Drive Punch.
Box Assorted Cotter Pins.

The REVONOC *kit is designed to meet the requirements for a low priced outfit. The tools are warranted high grade in quality. At the price this kit has no equal. Adapted particularly for taxi cabs, roadsters and small cars. Occupies but little space and you always have necessary tools on hand.*

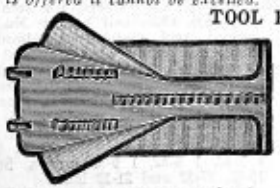


No. 6436 REVONOC—Canvas case, with pocket for each tool, small, handy, compact, contains 8 practical high grade tools, w't 5 lbs., each **BGJ** $4.50

10 in. Black Drop Forged Shop Wrench.
10 oz. Machinists' Ball Pein Hammer.
8 in. Adjustable S Wrench and Tire Tool.
6 in. Drop Forged Combination Pliers.
8 in. Flat File.
2½ in. Square Shank Machinists' Screw Driver.
½ in. Half Polished Cold Chisel.
½ lb. Roll Best Friction Tape.

This kit has been justly called The "Business-man's kit." The tools selected are the ones in daily use in making adjustments, tightening nuts, etc., around a car. This is the only kit of this type on the market and gives you in a neat small compact manner the tools you require. The roll of tape is a handy addition not found in others. You cannot afford to be without this kit.

TOOL KIT ROLLS.



No. 6429 REVONOC—Without tools, each ..... **AIJ** $3.30

No. 6430 REVONOC—Without tools, each ..... **AEE** 2.60

No. 6431 REVONOC—Without tools, each ..... **JHE** 1.40

The No. 6429 REVONOC *Tool Kit Roll is similar to the one used in the make-up of our No. 6432* REVONOC *Tool Kit. The No. 6431* REVONOC *Tool Kit Roll is similar to the one used in our No. 6434* REVONOC *Tool Kit.*

These rolls are made of heavy canvas, and are very serviceable in preventing the loss and breakage of your tools. Have genuine leather retaining straps, stitched and double rivetted to hold the tools.

WRENCHES AND WRENCH SETS.

REVONOC SOCKET WRENCHES.



No. 6438 REVONOC—Contains 6 double end drawn steel black enameled socket wrenches with U. S. Standard nut openings on one end and S. A. E. standard openings on the other end, sockets to take the following sizes of nuts.

Size of Bolt.	U. S. Opening.	S. A. E. Opening.
¼	13-32	
¼	½	7/16
5/16	19-32	½
5/16	14	7/16
⅜	25-32	9/16
½	⅜	⅜
½	31-32	7/8
5/8		15/16

Complete with 2 handles, in a cloth roll, w't each 3 lbs. .....each **B J E** $3.40

A most complete set, embodying all of the sizes of bolts usually found on an automobile where a socket wrench can be used.

AUTO CLE SETS.



No. 6506—Large, consists of 1 take-down reversible ratchet handle, 1 swivel or Universal joints which permits using the handle at any angle, one 9½ in. extension bar, one 1¾ in. extension bar, two sizes of screw driver bits, thirty-one sizes of mottled case hardened pressed steel sockets, w't per set 8½ lbs.....per set **J I J J** $15.00

These sockets will fit all screws, bolts and nuts in general use on automobiles whether of American or foreign manufacture. The parts and sockets are contained in a compact hardwood case fitted with pegs on which to place the sockets, thus making loss of parts unlikely and preventing rattle or noise.

COMBINATION SOCKET WRENCH SETS.



No. 6501—Assortment contains 2 screw drivers, 7 sockets, fitting standard size nuts, and special spark plug wrench in wooden case, w't per set 2½ lbs.....per set **B D J** $4.00

This is an extremely simple and practical form of folding socket wrench. It is invaluable for use in motor boats, gas or gasoline engines and enables the user to get into difficult places without burning or injuring the hands, which cannot be done with an ordinary wrench. With this wrench, repairs can be easily and quickly made. Any bolt can be loosened or tightened without getting into a cramped or uncomfortable position.



No. 6505—Assortment, consists of 14 sizes of pressed steel sockets, 1 offset socket wrench handle and 1 T wrench handle, socket fits all Standard and A. L. A. M. Cap screws and nuts, w't per set 4½ lbs., per set **C J J** $5.00

WALDEN SOCKET WRENCH SETS.

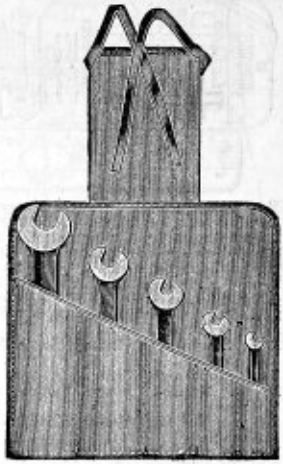


No. 6504—Consists of ratchet wrench, 9 in. extension bar, Universal joint and 15 assorted steel sockets, mounted on substantial wooden rack and put up in attractive leather case, w't per set 5½ lbs....per set **D E J** $7.50

This set is suitable for the automobilist, garage and repair man.

The assortment of sockets covers the following standard sizes: Cap Screws from 5-16 to 1 in. Standard Nuts from ¼ to ¼ in., A. L. A. M. from 5-16 to ⅞ in., Bolt Heads ⅛, ½, 5/8, ¾ in.

GENERAL PURPOSE WRENCHES.



No. 6509—General purpose, set consists of five best grade steel flat, semi-finished double end wrenches, in neat canvas kit, wrenches fit standard nuts, per set .....**J F J** $1.00

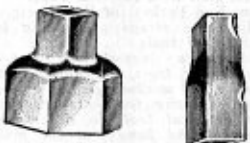
SOCKET WRENCH HANDLES.



No. 6477—Adjustable T handle, fits any socket wrench sets or sockets described on this page, each **D E** $0.76

No auto kit should be without this necessity.

EXTRA SOCKETS.

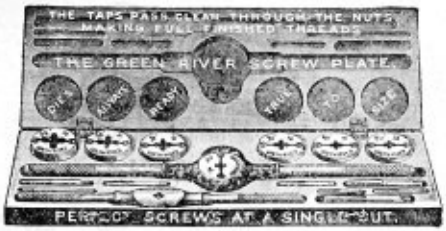


No. 6478—Extra sockets, for sets Nos. 6501, 6505, 6506, and handle No. 6477, pressed steel, mottled case hardened, shank end made with standard hole, so that all sockets interchangeably fit all our Socket Wrenches, sockets come in the following sizes, Hexagon, 7/16, 11-32, ¾, 13-32, 7/16, 15-32, ½, 17-32, 9/16, 19-32, 5/8, 21-32, 11/16, 23-32, ¾, 25-32, 13/16, 27-32, ⅞, 29-32, 15/16, 31-32, 1, 1 1-32, 1 3-32, 1 5-32, 1 9-32 inches, Square, 13-32, 17-32 and 21-32 inches, each .....**A E** $0.24

IN ORDERING, STATE SIZE WANTED.

WRENCHES AND SCREW PLATES.

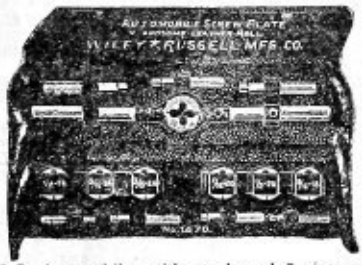
SCREW PLATES.



GREEN RIVER, for Automobile Use, Oiled Hardwood Case.

No. 1460-G—With stock, adjustable tap wrench and 5 sizes taps, dies and guides, sizes ¼x28, $\frac{5}{16}$x24, ⅜x24, $\frac{7}{16}$x20, ½x20, stock 18 in. long, w't per set 11 lbs..per set **JHDJ** $14.00

No. 1462-G—With stock, adjustable tap wrench and 11 sizes taps, dies and guides, sizes ¼x28, $\frac{5}{16}$x24, ⅜x24, $\frac{7}{16}$x20, ½x20, $\frac{5}{8}$x18, $\frac{9}{16}$x18, $\frac{11}{16}$x16, ¾x16, $\frac{7}{8}$x14, and 1x14, stock 22 in. long, w't per set 22 lbs.....per set **BAJE** $35.10



No. 1470-G—Automobile, with stock and 7 sizes round adjustable dies and plug taps, sizes ¼x28, $\frac{5}{16}$x24, ⅜x24, $\frac{7}{16}$x20, ½x20, $\frac{9}{16}$x18 and ⅝x18 in., A. L. A. M. standard, complete in handsome leather roll, w't 3½ lbs., per set **JIFJ** $16.00

AUTOMOBILE SETS OF ENGINEERS' WRENCHES.

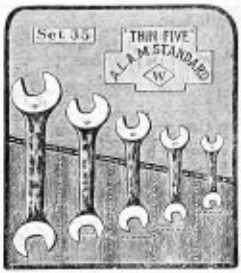


No. 6444—S. A. E. Standard Automobile Set, with openings for recently adopted automobile nut and cap screw sizes.

No.	For S.A.E. Standard Nuts.	Openings Milled.	Extreme Length.	Thickness Heads.	Semi-finished.
677S	¼ & $\frac{5}{16}$	$\frac{7}{16}$ & ½	7⅛	7/32	$0.26
679S	⅜ & $\frac{7}{16}$	$\frac{9}{16}$ & $\frac{5}{8}$	8¼	$\frac{1}{4}$	.33
681A	½ & $\frac{9}{16}$	¾ & $\frac{7}{8}$	9¼	⅜	.42
683A	⅝ & ¾	$\frac{15}{16}$ & 1	10⅜	$\frac{5}{16}$	.51
685C	¾ & ⅞	1$\frac{1}{16}$ & 1¼	12	½	.66
					$2.18

Complete in wood box, w't per set 5 lbs., per set .....**ACJ** $2.18

AUTOMOBILE SETS OF ENGINEERS' WRENCHES.



No. 6445—Automobile Set, "Thin Five," with openings milled for A. L. A. M. standard nuts and cap screws.

No.	A.L.A.M. Nuts and Cap Screws.	Openings Milled.	Extreme Length.	Thickness Heads.	Semi-finished.
623E	¼ & $\frac{5}{16}$	$\frac{7}{16}$ & ½	4⅛	9/64 & 5/32	$0.21
626X	⅜ & $\frac{7}{16}$	$\frac{9}{16}$ & $\frac{5}{8}$	5½	5/32 & 3/16	.28
629E	½ & $\frac{9}{16}$	¾ & $\frac{7}{8}$	6½	3/16 & 7/32	.38
632X	⅝ & $\frac{11}{16}$	$\frac{15}{16}$ & 1	8½	7/32 & 9/32	.50
635G	¾ & ⅞	1⅛ & 1¼	10⅜	9/32 & 5/16	.66
					$2.04

Complete in wood box, w't per set 3 lbs., per set .....**ABJ** $2.04



No. 6446—Original extra capacity set, "Big Six," with capacity for fifteen most popular millings in U. S. Standard nut and cap screw sizes.

No.	For Nuts Diam. Bolts Small Head	For Nuts Diam. Bolts Large Head	For Cap Screws Diam. Screw Small Head	For Cap Screws Diam. Screw Large Head	Openings Milled U. S. Standard	Extreme Length	Thickness Heads	PRICE Semi-finished
725		¼	¼	$\frac{5}{16}$	$\frac{7}{16}$ & ½	4⅝	9/32	$0.27
27C		$\frac{5}{16}$	$\frac{5}{16}$		$\frac{9}{16}$ & $\frac{5}{8}$	5⅞	$\frac{5}{16}$	.32
28	$\frac{5}{16}$	$\frac{5}{16}$			19/32 & 25/32	6⅞	11/32	.36
729			$\frac{5}{16}$	½	⅝ & ¾	6⅞	11/32	.39
34	½	$\frac{5}{8}$	$\frac{5}{8}$		$\frac{7}{8}$ & 1$\frac{1}{16}$	7¾	½	.60
736		¾	¾	1	1 & 1¼	11½	$\frac{5}{8}$	.77
								$2.72

Complete in wood box, w't per set 5 lbs., per set .....**AFE** $2.72

If cloth rolls as per illustrations are desired, add $0.45 each net. Wood boxes furnished unless otherwise specified. We cannot break sets.

COTTERS, STEEL BALLS, WRENCH SETS AND WHITNEY KEYS.

GARAGE WRENCH SETS.



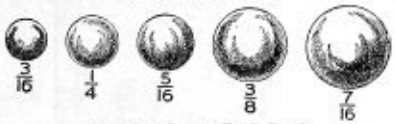
No. 6507—Wrench Set consists of the following:
1—Ratchet wrench and extension bar.
1—Take down handle and extension bar.
1—Offset socket wrench.
1—Pipe wrench.
1—Set extra finished general service wrench.
1—Universal joint.
3—Special spark plug wrenches.
3—Screw driver bits.
1—Extra fine cotter pin extractor.
11—Square pressed steel sockets.
23—Hexagon pressed steel sockets.

No. 6507—W't 18 lbs.....each **AJHJ** $18.00

This set is the most complete wrench set ever offered the public. It has handles for every kind of a difficult approach, and to fit all square or hexagon nuts that will be found on a car. A necessity to every garage or machine shop.

PACKED IN A STRONG WOODEN BOX WITH A DEFINITE PLACE TO HOLD EACH PIECE.

STEEL BALLS.



Highest Grade Tool Steel.

Nos.	6222	6223	6224	6225	6226
Size, inches	1/4	5-32	3-16	7-32	1/4
Per 1000	$1.70	2.00	2.50	3.50	4.00
	AJJ	ABJ	AEJ	BAJ	BDJ
Nos.	6227	6228	6229	6230	6231
Size, inches	5-16	3/8	7-16	1/2	9-16
Per 1000	$6.50	9.00	20.00	23.00	30.00
	CIJ	EDJ	ABJJ	ACHJ	AHJJ
Nos.			6232	6233	6234
Size, inches			5/8	11-16	3/4
Per 1000			$33.00	48.00	51.00
			AIHJ	BHHI	CIFJ

ONE HUNDRED IN A PACKAGE; WE DO NOT BREAK PACKAGES.

WHITNEY KEY ASSORTMENT FOR FORDS.



No. 6211—Assortment contains one set of 12 keys, cut from finest quality steel, true to size, especially adapted for use on Ford cars, complete in box with circular describing position and use of each key, w't per doz boxes 12 lbs., **CFJ** $6.00

per dozen boxes .....

ONE SET IN A BOX. WE DO NOT BREAK BOXES.

SPRING COTTERS.



Highest Grade Tool Steel.

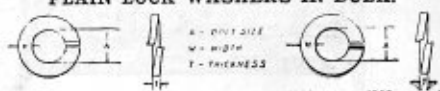
Discount I J-D J %.

Size, in.	3/32x3/4	3/32x1	1/8x1	1/8x1 1/4
W't per 1,000, lbs.	2	2½	4	6
Per 1,000	$4.15	4.80	6.70	7.55
Size, in.	1/8x1 1/2	5/32x1 1/4	5/32x1 1/2	5/32x1 3/4
W't per 1,000, lbs.	7	14	15	16
Per 1,000	$8.40	14.50	16.20	17.90
Size, in.	5/32x2	5/32x2 1/2	5/32x3	1/4x1 1/2
W't per 1,000, lbs.	20	22	24	26
Per 1,000	$19.60	23.00	26.40	27.00
Size, in.	1/4x1 3/4	1/4x2	1/4x2 1/2	1/4x3
W't per 1,00, lbs.	28	32	36	40
Per 1,000	$30.50	34.00	41.00	48.00
Size, in.		5/16x2	5/16x2 1/2	5/16x3
W't per 1,000, lbs.		54	56	66
Per 1,000		$52.50	62.50	72.50

Spring cotters are measured from under the eye to the point, the available length.

ALL 3/32 IN., 1/8 IN. AND 3/16 IN. UP TO 1 3/4 IN. IN LENGTH, 1000; 5/32x2 IN. UP TO 1/4x2 1/2 IN., 500; 1/4x3 IN. UP TO 5/16x3 IN., 250 IN A BOX.

PLAIN LOCK WASHERS IN BULK.



Nos.	6280	6281	6282	6283
Size, in.	1/4	5/16	3/8	7/16
Width and thickness, in.	1/8x1/16	1/8x1/16	5/32x1/16	3/16x1/16
Per hundred	$0.46	.48	.50	.60
	BH	BI	CJ	CF
Nos.		6284	6285	6286
Size, in.		1/2	5/8	3/4
Width and thickness, in.		1/16x3/32	1/16x3/32	1/16x3/16
Per hundred		$0.64	.88	1.14
		CH	EC	JFH
Nos.		6287	6288	6289
Size, in.		3/4	7/8	1
Width and thickness, in.		1/16x1/8	1/16x1/8	1/16x1/8
Per hundred		$1.24	1.32	1.41
		JGD	JGI	JHF

The washer is so constructed that the "body" of the washer carries the load of the compression and the ends are thus relieved, and the spring is constant. This washer is reversible and can be used many times.

WHITNEY KEYS.



No. 6210—Genuine Whitney, finest quality stock, absolutely true to size, assortment of sizes which will meet all requirements in automobile practice, put up in substantially made wood boxes of convenient size, should be part of every motorist's tool kit,
per box.....**AEJ** $2.50

ONE HUNDRED IN A BOX.

BATTERY BOXES AND REPAIR ASSORTMENTS.

SPRING COTTERS.



No. 6177—100 assorted in a screw top tin box, w't per doz. boxes 6 lbs., per dozen box .....JIJ $1.50

LOCK WASHERS.



No. 6179—40 assorted in a screw top box, w't per doz. boxes 6 lbs., per dozen boxes ..... AJJ $1.70

HEXAGON NUTS.



No. 6182—24 assorted in a tin box, per box .....CJ $0.50

HEXAGON CAP SCREWS.



No. 6183—12 assorted in a tin box, per box .....CJ $0.50

TAPER PINS.



No. 6184—40 assorted in a tin box, per box .....JFJ $1.00

DEALERS' ASSORTMENT OF SEMI-FINISHED HEXAGON NUTS.



No. 6186—Assortment consisting of 25 ¼ in., 25 $\frac{5}{16}$ in., 20 $\frac{3}{8}$ in., 16 $\frac{7}{16}$ in., 14 ½ in., 12 $\frac{9}{16}$ in., 10 $\frac{5}{8}$ in. and 4 ¾ in. hexagon nuts, packed in a neat wooden box, w't per box 7 lbs., per assortment .....AIE $3.25

TOOL OR BATTERY BOXES.



No. 6602.



Nos. 6607 and 6608.

Black Enameled Pressed Steel, Nickel Plated Hasp Lock, Back Seam of Body Electrically Welded, Bottom Inset and Welded to Lugs.

No.	Length, in.	Width, in.	Height, in.	W't each, lbs.		Each.
6601	10¼	5¾	9¼	7	BAJ	$3.50
6602	12	6½	9½	9	BCJ	3.80
6603	16⅝	9⅛	10⅝	13	BGJ	4.50
6604	22	9	10⅝	16	CFJ	6.00
6607	22	9	6⅝	14	AHJ	3.00
6608	17⅜	7⅛	6¼	10	BEJ	4.00
6609	13¼	7⅛	9⅛	10	BEJ	4.00

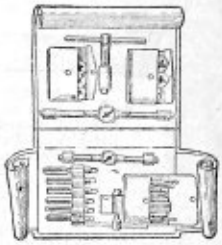
The dimensions given are inside measurements.

Nos. 6607 and 6608 are particularly adapted for use on Ford Cars, designed especially to fit on the running board between the front and rear door.

Vibration, washing, weather, etc., have no effect on these boxes; the cover is of one-piece pressed steel and so constructed that it comes well down over the body making it water tight.

The box is as highly finished as the car itself, and is used by many a step.

SCREW PLATES.



No. 2500-G—Automobile Screw Plate contains the following—

1—6½ in. tap wrench,
1—9 in. tap wrench,
16 dies and taps, sizes,
6/32-10-24, 10-32, 12-24, 14-24, 7/32-32, ¼-20, $\frac{5}{16}$-18, $\frac{5}{16}$-24, $\frac{3}{8}$-16, $\frac{3}{8}$-24, 13/32-16, $\frac{7}{16}$-14, $\frac{7}{16}$-20, $\frac{1}{2}$-20.
⅛ pipe tap.

Complete in a leather case, w't per set 3½ lbs. .....per set **ABIE** $21.60

This set is arranged with special reference to screw threads on Ford model T.

It is also adapted to a variety of other cars and for general shop use.

SHIM REPAIR STOCK.



No. 6187—Package contains 4 rolls of special sheet brass 50 in. long and 2½ in. wide, varying in thickness from .002 to .015., w't 2 lbs., per package .....JIJ $1.50

Shim Stock is essential in every well regulated shop and is put up in neat convenient packages.

GARAGE TOOLS.

MACHINISTS' HAMMERS.



Solid Forged Steel, Ball Pein, Polished Ball, Sides and Poll, Octagon Pattern, with Hickory Handle.

Nos.	248-G	249-G	250-G
W't less hndl., oz.	8	12	16
W't per doz., lbs.	10	13	16
Per dozen	$6.80	6.80	7.20
	DAJ	DAJ	DCJ

AUTOMOBILE OR TOOL KIT HAMMERS.



No. C2-0G—Solid forged tool steel, ball pein, full nickel plated, octagon pattern, with cherry stained handle, 10 in. over all, w't less handle, 12 oz., w't per doz. 12 lbs., per dozen ..... **JFCJ** $10.50

No. A2-0G—Polished, with select white hickory handle, otherwise same as No. C2-0G, w't per doz. 12 lbs. .....per dozen **JDHJ** $8.00

This hammer is mounted on a short handle, 10 in. long over all, making a compact tool especially suited for use on an automobile or motor boat. Electricians and mechanics in general will find this a handy size and the quality of the hammer will enable it to stand hard service.

ONE-THIRD DOZEN IN A BOX; SIX DOZEN IN A CASE.

PIPE WRENCHES.



STILLSON, Blued, Double Spring, 8, 10 and 14 Inch Have Hardwood Handle, Balance Solid Japanned Handle.

No. 20-G—In.	6	8
For pipe, in.	⅛ to ½	⅛ to ¾
W't per doz., lbs.	6	9
Per dozen	$10.55	10.55
	JFCJ	JFCJ

No. 20-G—In.	10	14
For pipe, in.	⅛ to 1	¼ to 1½
W't per doz., lbs.	18	36
	JGAJ	JIEJ

EXTRA PARTS FOR STILLSON WRENCHES.





Inches	Jaw. 6	Nuts. 8	10	Frame. 14
Jaws per doz.	$4.30	4.30	4.55	5.70
	BEE	BEE	BGE	CDJ
Nuts per doz.	$0.85	.85	1.15	1.15
	EJ	EJ	JGJ	JGJ
Frames, doz.	$2.00	2.00	2.30	2.90
	ABJ	ABJ	ACE	AGJ

DROP FORGED STEEL WRENCHES.



SEMI-FINISHED. Case Hardened, Double Head, Engineers' Pattern, 15 Degree Angle, Milled for U. S. Standard Nuts.

Nos.	027-TG	029-TG	031-TG
Size bolts, in.	⅛&⅜	⅜&⅞	⅞&1½
Openings, in.	.19-32&⅛	1⅛&25-32	25-32&⅞
Extreme length, in.	5⅜	6⅞	7¼
W't, doz., lbs.	3¼	4½	7
Per dozen	$2.70	3.20	3.90
	AFJ	AIJ	BCE

Nos.	033-TG	035-TG	037-TG
Size bolts, in.	½&⅝	⅝&¾	¾&¾
Openings, in.	⅞&31-32	31-32&1⅛	1⅛&1¼
Extreme length, in.	8¼	9¾	11⅝
W't, doz., lbs.	8½	12½	18½
Per dozen	$4.80	5.90	8.30
	BIJ	CEE	EJJ

LOOSE.

GENERAL PURPOSE WRENCHES.



Standard Nut Size Bolt.	Openings Finished.	Extreme Length.	Thickness of Head.
⅜x¼ in.	⅜x½ in.	6¼ in.	7-32 in.
¼x⅜ in.	½x⅝ in.	7⅛ in.	¼ in.
⅜x⅜ in.	⅝x¾ in.	8¾ in.	⅜ in.
⅝x⅝ in.	¾x¾ in.	9¼ in.	⅜ in.
⅞x½ in.	⅞x1 in.	10⅛ in.	½ in.

No. 100-G—Unfinished Drop forged steel, in sets of 5 sizes, w't per set 2½ lbs. .....per set **JFJ** $1.15

Sold in sets only.

ONE SET IN A BUNDLE.

ADJUSTABLE "S" WRENCHES.



WESCOTT PATTERN, Japanned, Polished Jaws and Edges.

No. 60-G— Length, in.	6	8	10
Open, in.	¾	1	1⅜
W't, doz., lbs.	6¼	13	22¼
Per dozen	$7.20	9.00	12.00
	DCJ	EDJ	JGBJ

This wrench embodies all the advantages of a solid machine wrench together with the convenience of an adjustable wrench. Every part is drop forged steel and the sliding jaw is fitted in a double groove which greatly adds to the strength of the tool. All parts are hardened.

ADJUSTABLE WRENCHES.



B. & C. Straight Handle, Forged Steel, Japanned, Polished Jaws and Edges.

No. 175-G— Length, in.	6	8	10
Open, in.	¾	1	1⅛
W't, doz., lbs.	6	12	20
Per dozen	$7.55	9.45	12.60
	DEE	EJE	JGEE

ONE-HALF DOZEN IN A BOX.



No. 6479—Solid steel, jaws case hardened, mottled finish, length 9 in., per dozen .....**DBJ** $7.00

No. 6482—With tire removing handle, otherwise same as No. 6479, per dozen .....**DEJ** $7.50

An extra well made wrench.



No. 6481—Solid steel, tempered jaws, mottled finish, length 10 in. over all, per dozen .....**JGHJ** $13.00

A patent adjustable wrench with steel handle. Especially desirable for automobile use.

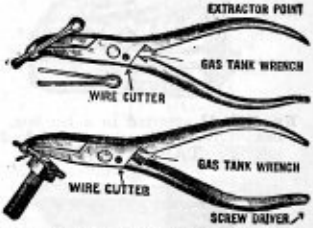
COMBINATION PLIERS.



No. 3120-G—6 in., nickel plated, cast steel, combining gas plier, wire cutter, wrench and screw driver, w't per doz. 6 lbs. .....per dozen **CJJ** $5.00

ONE IN A BOX.

COTTER PIN PLIERS.



No. 6427—Mesnard's, 7 in., high grade steel, nickel plated, combining cotter pin puller and spreader, wire puller and cutter, gas tank key, screw driver, and tweezers, w't per doz. 4 lbs., per dozen .....**JHAJ** $13.50

An ingenious combination plier that is indispensable about a motor car.

ONE-HALF DOZEN IN A BOX.

SHEET PACKING, GASKETS, TOOLS, ETC.

ASBESTOS METAL SHEET PACKING.



No. 25-G—Red and black, 1-32 in. thick, 40 in. wide, for gas engines, w't per sq. yd. about 5½ lbs., per pound ..... **JHJ** $1.30

No. 27-G—Red and black, 1/8 in. thick, 40 in. wide, for gas engines, w't per sq. yd. about 4½ lbs., per pound ..... **JHJ** $1.30

This packing is prepared especially for use on automobile, aeroplane and gas engines, and all other locations where the extreme heat produced by the explosion of gas or other liquid fuel must be withstood. In order that the cylinder heads or exhaust connections may be removed readily without the destruction of the gasket, one surface is especially prepared with a coating of plumbago. The reverse side is red in color and intended to vulcanize firmly to the cylinder.

AUTOMOBILE SHOVELS.



No. 290-G—Emperor, all steel, solid socket, detachable D handle, length 14 in., length over all 30 in., 6½x9 in. polished blade, w't per doz. 40 lbs., per dozen ..... **ABJ J** $20.00

DRILLS.



No. 5-G—Miller's Falls, double gear, length 11½ in., malleable iron frame, cocobolo hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in handle, holds 1/8 in. round shank drills, w't per doz. 24 lbs., per dozen ..... **AGGJ** $39.50

ONE IN A BOX.

POCKET MAGAZINE SCREW DRIVER.



No. 60-G—Nickel plated, 4 polished cast steel blades, knurled handle, w't per doz. 1½ lbs., per dozen **JFFJ** $11.00

The need and usefulness of this tool will be instantly recognized. The four detachable blades of varying widths and thicknesses are conveniently packed in handle when not in use.

ONE DOZEN IN A BOX.

SCREW DRIVERS.



Cross Section "Hurwood" Screw Driver.

"Hurwood" Screw Drivers have blade shank, and head formed of one piece of special steel. A rivet through the ferrule, handle and shank as well as the head with two projecting wings—see cut—securely fastens the handle. This construction makes the "Hurwood" driver unsurpassed for strength and durability.



No. 20-G.

STANDARD TYPE, Special Steel, Finely Tempered Blade, Polished Steel Ferrule, Ebonite Handle.

No. 20-G—Blade, in.	2½	4	6
Tip, in.	5-32	7-32	¼
Stock, in.	7-32	¼	5/16
W't per doz., lbs.	1½	2¾	6
Per dozen	$2.70	3.82	5.40
	AFJ	**BCJ**	**CBE**

ONE-HALF DOZEN IN A BOX.



No. 50-G.

PONY, Special Steel, Finely Tempered Blade, ⅛ Inch Tip, 5-32 Inch Stock, Polished Steel Ferrule, Ebonite Handle.

No. 50-G—Blade, in.	4	5	6
W't per doz., lbs.	1	1	1¼
Per dozen	$3.82	4.50	5.40
	BCJ	**BGJ**	**CBE**

A special driver designed for light and delicate work, and is made of very small stock and with a small tip. The size of stock, tip and handle is the same in all lengths of blade. As the small diameter of shank wire necessitates a very small rivet, the "winged" head is a great advantage.

ONE-HALF DOZEN IN A BOX.



No. 21-G—Baby, special steel, 1½ in., finely tempered blade, 5-32 in. tip, 7-32 in. stock, polished steel ferrule, ebonite handle, w't per doz. ¾ lb., per dozen ..... **AIJ** $3.16

For use where a driver of short length is desired. The blade is strong and the size makes it a handy vest pocket screw driver.

ONE-HALF DOZEN IN A BOX.

SPARK PLUG GASKETS.

Discount DJ%.

No. 5340—Gaskets for metric plugs, per dozen $0.20
per 100 ..... 1.00

No. 5341—Gaskets for ½ in. plugs, per dozen ..... .20
per 100 ..... 1.00

No. 5342—Gaskets for A.L.A.M. plugs, per dozen ..... .20
per 100 ..... 1.00

EXHAUST PIPE GASKETS.



Discount DJ%.

Asbestos Board Encased in Brass and Copper Foil, Type "B."

Size, center hole, in.	1	1⅛	1¼
Per dozen	$2.00	2.00	2.20
Per 100	$12.00	12.30	13.20
Size, center hole, in.	1⅜	1½	1⅝
Per dozen	$2.20	2.20	2.30
Per 100	$13.20	14.40	15.60
Size, center hole, in.	1¾	1⅞	2
Per dozen	$2.30	2.30	2.30
Per 100	$15.60	15.60	16.80
Size, center hole, in.		2⅛	2¼
Per dozen		$2.30	2.30
Per 100		$16.80	16.80
Size, center hole, in.		2⅜	2½
Per dozen		$2.50	2.50
Per 100		$16.80	16.80

The copper overlaps the brass around the hole in the center, but is sunk in to make the surface perfectly flush and smooth. The side holes are oblong to allow for variations in the distance between the bolts.

ROUND GASKETS.



Discount DJ%.

Best Asbestos, Covered with the Best Copper French Type.

Size, in.	1	1 1/16	1⅛	1 3/16
Per dozen	$0.54	.60	.66	.66
Per 100	$2.70	3.00	3.30	3.30
Size, in.	1¼	1 5/16	1⅜	1 7/16
Per dozen	$0.72	.72	.78	.78
Per 100	$3.60	3.60	3.90	3.90
Size, in.	1½	1 9/16	1⅝	1 11/16
Per dozen	$0.84	.84	.88	.88
Per 100	$4.20	4.20	4.40	4.40
Size, in.	1¾	1 13/16	1⅞	1 15/16
Per dozen	$0.88	.90	.90	.90
Per 100	$4.40	4.50	4.50	4.50
Size, in.	2	2 1/16	2⅛	2 3/16
Per dozen	$0.90	.92	.92	.95
Per 100	$4.50	4.60	4.60	4.75
Size, in.	2¼	2 5/16	2⅜	2 7/16
Per dozen	$0.95	.98	.98	1.02
Per 100	$4.75	4.90	4.90	5.10
Size, in.	2½	2 9/16	2⅝	2 11/16
Per dozen	$1.02	1.02	1.04	1.04
Per 100	$5.10	5.10	5.20	5.20
Size, in.	2¾	2 13/16	2⅞	2 15/16
Per dozen	$1.06	1.06	1.12	1.12
Per 100	$5.30	5.30	5.60	5.60
Size, in.	3	3 1/16	3⅛	3 3/16
Per dozen	$1.18	1.18	1.20	1.20
Per 100	$5.90	5.90	6.00	6.00
Size, in.		3¼	3 5/16	3⅜
Per dozen		$1.26	1.26	1.30
Per 100		$6.30	6.30	6.50
Size, in.			3 7/16	3½
Per dozen			$1.34	1.38
Per 100			$6.70	6.90

Size—inside diameter.

MISCELLANEOUS TOOLS AND SUPPLIES.

SPARK PLUG WRENCHES.



No. 6474—Pressed steel, double end, removable handle, will not crack or spread when in use, fits ½ and ⅝x15 in. plugs..per dozen **DCJ** $7.20

COMBINATION WRENCHES.

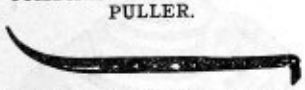


No. 206-G—Ronson, w't per doz. 6 lbs., per dozen .....**JGBJ** $11.00

Pull out the wrench of the required size, set the wing-nut, and the rest of the members form a solid, well shaped handle of the greatest leverage.

In the fraction of a second, if required, the wrench may be taken apart. The members then form four perfect double end wrenches, each of which may be used in the most inaccessible places.

COMBINATION COTTER PIN PULLER.



No. 6428—Tempered tool steel, sharp pointed ends for inserting into the eye of a cotter pin, reverse end for spreading, may also be used for screw driver, each .....**AB** $0.20

HACK SAW BLADES.



All Hard Natural Finish, 14, 18 or 23 Points.

No. 1-G — Length, in.	8	9	10	12
Width, in. ..	½	½	½	⅝
Per dozen ...	$0.80	.90	1.00	1.25
	EJ	**EE**	**JFJ**	**JGE**

14 points is regular, 18 points medium, 23 points fine.

COIL FILES.



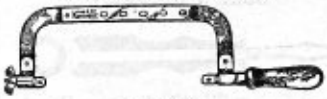
No. 6470—6 in. long including handle, uniform thickness, bevel pointed, w't per doz. 1 lb. per dozen **AEJ** $2.50

For spark gaps, spark plugs, magnetos, coils and contact points of all kinds.

ONE DOZEN IN A BOX.

WE DO NOT BREAK BOXES.

HACK SAW FRAMES.



No. 25-G REVONOC—Adjustable for blades 8 to 12 in., heavy steel frame, nickel plated, blades can be faced four ways, w't per doz. 14 lbs., per dozen .....**JHAE** $13.60

ONE-SIXTH DOZEN IN A BOX.

VALVE LIFTERS.

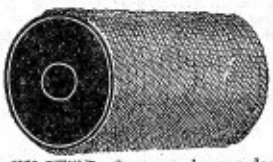


No. 6490—Drop forged, actuated by sliding cam, positive acting, w't per doz. 12 lbs., per dozen **AJHJ** $18.00

Easy to operate and a high grade tool in every respect.

ONE IN A BOX.

REVONOC ASBESTOS YARN PACKING.



No. 6258 REVONOC—2 oz. spools, per dozen spools .....**BAE** $3.60

REVONOC *Asbestos Yarn Packing is soft and strong and makes an excellent packing for Spark Plug Porcelains.*

LOOSE.

REVONOC ASBESTOS WICK PACKING.



No. 6259 REVONOC—½ lb. balls, per dozen balls .....**AHJ** $3.00

Asbestos Wick is composed of selected asbestos fiber, spun into strands and made into the form of a soft, strong lamp wick which can be packed in any desired shape around small steam and other valve stems.

LOOSE.

BEARING SCRAPERS.



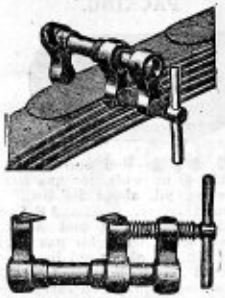
Curved.

No. 6486—Forged from finest grade of imported steel, properly hardened and hollow ground, well mounted in rosewood handles, per set complete .....**ABJ** $2.00

Illustration one-third actual size. Owners and repairers will find them handy and convenient tools.

ONE SET, 3 SCRAPERS IN A BOX.

SPRING LEAF LUBRICATORS.



No. 6318—Adjustable to any size auto spring, simple, quick and effective, w't per doz. 6 lbs., per dozen .....**ADDJ** $24.00

Spreads the leaves for lubricating, separates them just enough to insert the lubricant; will not damage or mar your springs.

It does away with the jacking up of your car.

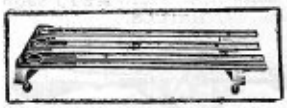
The leaves of your springs should be periodically lubricated, to prevent rusting, squeaking, freezing or adhering and eventually breaking.

This is too frequently neglected, owing to the present lengthy and crude methods of lubricating. One jolt of your rusty, squeaky springs may cost you many times the price of a sure preventive.

ONE IN A BOX.

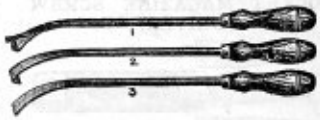
AUTO CREEPERS.

Now Furnished with Tool Rack.



No. 6173—Designed for use of both auto owners and garage men, hardwood throughout, neatly upholstered, roller bearing casters, is handy at all times, and saves your clothes from dirt, oil and grease .....each **AHJ** $3.00

CARBON SCRAPERS.



No. 6485—Set of three, per set **JIJ** $1.50

These carbon scrapers enable the user to reach any part of an ordinary engine cylinder and by their use all carbon may be removed without the necessity of dismantling the engine. The scraping edges are of such a nature that while they rapidly remove the carbon deposit, they will not cut or scratch the interior of the cylinder.

WE DO NOT BREAK SETS.

BRAKE LINING AND SHOCK ABSORBERS.

RAYBESTOS BRAKE LINING.



50 Feet to a Roll.

Friction Facing Per Lineal Foot.

Width, Inches	1	1¼	1½	1¾	2
5/32 in. thickness	$0.36★ BB	.42★ BE	.48 BI	.56 CD	.64 CH
7/32 in. thickness	$0.42★ BE	.50 CJ	.58 CE	.68 DA	.76 DF
¼ in. thickness	$0.56★ CD	.66★ DJ	.76★ DF	.88 EE	1.00 JFJ

Width, Inches	2¼	2½	3	4
5/32 in. thickness	$0.72★ DC	.80★ DH	.94★ EE	1.20★ JGJ
7/32 in. thickness	$0.84 EJ	.94 EE	1.12★ JFE	1.44★ JHE
¼ in. thickness	$1.12 JFE	1.24 JGE	1.46★ JIJ	1.88★ AAE

Raybestos Brake Lining is not only better known but is one of the very best and most serviceable linings to be had on the market. Years of satisfactory service under all conditions more than proves its efficiency and worth.

It will not disintegrate during its wearing life, as there are no threads or layers in the material to become loosened through any cause whatever.

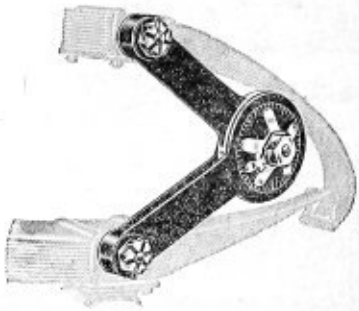
It can be drilled and countersunk with the same tools used on metal.

Raybestos is impregnated throughout, thereby increasing its life and giving it a uniform co-efficient of friction.

WE CANNOT ACCEPT FOR RETURN OR CREDIT CUT LENGTHS OF RAYBESTOS BRAKE LINING.

★*FACTORY, BRIDGEPORT, CONN.*

TRUFFAULT-HARTFORD SHOCK ABSORBERS.



Makes All Roads Smooth Roads."

No. 6271—Standard, for cars over 2500 lbs., w't per set 40 lbs.....per set of four **CFJJ** $60.00

No. 6272—Intermediate, for cars from 1800 to 2500 lbs., w't per set 35 lbs.....per set of four **BBEJ** $37.50

No. 6273—Junior, for cars from 1200 to 1800 lbs., w't per set 30 lbs.....per set of four **ADDJ** $24.00

No. 6276—Automatic type, 3 degrees of friction, for cars over 2500 lbs., w't per set 40 lbs., per set of 4 complete, with fittings .....**EDJJ** $90.00

ONE SET (D) IN A BOX.

A smooth running car is a joy forever. Any car can be made smooth running by equipping it with "Truffault-Hartford Shock Absorbers."

The Truffault-Hartford Shock Absorber properly controls the springs, insuring for them their maximum efficiency, practically eliminating the possibilty of breakage and promoting comfortable riding over rough roads.

As the spring action of the car determines its running qualities, the power for good of the device can readily be conceived. Springs, subjected to excessive oscillation, if they do not break, will deteriorate in efficiency in a remarkably short time. The Truffault-Hartford prevents excessive oscillation, practically precluding the possibilty of breakage, maintaining the original efficiency of the springs and adding to their life. Every time the wheels of an automobile come in contact with an obstruction or go into a depression in the roadbed, the springs are crushed against the axle. Then comes the recoil, the body of the car is thrown in the air until the springs are expanded their limit. It is in the recoil that the springs are generally broken, the lower leaves of the spring not following the upper ones quickly enough to support them. Hence the break. It is the excessive spring action and excessive trip-hammer pounding that racks the general mechanism of a car and hastens its relegation to the scrap pile.

The Truffault-Hartford positively prevents all this. Controlling, as it does, the action of the springs on both upward and downward movements of the car body, these movements are never extreme, so that there is little or no bound or rebound when the car's wheels sink into a depression or come in contact with an obstruction. The Truffault-Hartford is the pioneer shock absorber—the only successful device of its kind. It positively prevents violent action of the springs without detracting an iota from their flexibility. It eliminates pitching and side swaying, insuring comfort to the occupants of a car even while traveling over the roughest roads.

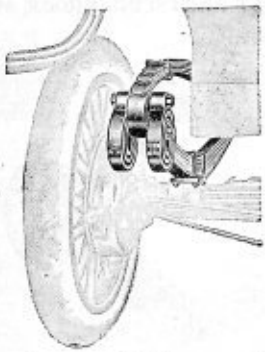
It makes spring breakage a thing of the past.

It so lessens vibration, jolt and jar, relieving the car's machinery and parts from the racking incident to them, that years are added to the life of a car by its use. Last, but not least, it contributes so materially to the comfort of those who motor that the pastime is made doubly enjoyable. It will fit any car.

FITTINGS.

Mention make, year and model of car when ordering. Special fittings and blue print for making the application to the car are furnished without extra charge.

TEMCO ALTA SHOCK ABSORBERS.





Steel.

No. 7221—Class B, set complete for cars weighing from 2,000 to 2,900 lbs., w't per set 20 lbs., per set complete **AJHJ** $18.00
No. 7222—Class C, set complete for cars weighing from 3,000 to 3,900 lbs., w't per set 20 lbs., per set complete **AJHJ** $18.00
No. 7223—Class D, set complete for cars weighing over 3,900 lbs,. w't per set 20 lbs....., per set complete **AJHJ** $18.00

One set packed complete for the two rear springs of car, with fittings for any standard size eye bolt on semi-elliptic, three-quarter elliptic or full elliptic springs. Every set guaranteed by factory.

The Temco Alta is the first shock absorber that can be used on nearly all makes of cars, that is simple to attach, low in price and efficient in service. They require no oil or grease and need no adjustment, are clean as well as ornamental and are easily attached. By eliminating oscillaton they reduce the possiblity of spring breakage to a minimum.

In each spring there is forty-six inches of steel, making in a complete set of shock absorbers, OVER FFTEEN FEET OF EXTRA SPRINGS and they are so suspended between the ends of the main leaf springs that instead of that stiff, unyielding shackle, you have an elastic springy shackle that absorbs all of the vibrations.

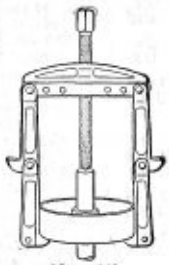
In addition the Temco-Alta Shock Absorbers keep the wheels constantly in contact with the ground, reducing to a very large extent the unnecessary wear and tear on tires.

ONE SET IN A BOX; WE DO NOT BREAK SETS.

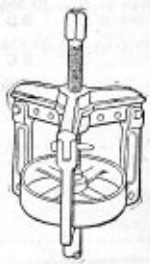
CRANE PULLERS.



No. 6565.



No. 6565.
Showing Combination Arms in Use.



No. 6566.

No. 6565—Two-arm Puller, complete with two sets 6 in. combination arms, w't 17 lbs.....each **JFIJ** $11.50
No. 6566—Three-arm Puller, complete with two sets 6 in. combination arms, w't 22 lbs.....each **JIBJ** 15.36
No. 6567—Two-arm Puller, complete with two sets 7 in. combination arms, w't 28 lbs.....each **JHFE** 14.40
No. 6568—Three-arm Puller, complete with two sets 7 in. combination arms, w't 41 lbs.....each **AAEJ** 19.20

TWO-ARM PARTS.

No. 6565 Puller.			No. 6567 Puller.		
Beam★	each	**BCJ** $3.84	Beam★	each	**CJE** $5.12
Screw★	each	**AEG** 2.88	Screw★	each	**AIJ** 3.20
Pins★	each	**JE** .08	Pins★	each	**JE** .08
Comb. arms, each★		**JFE** 1.12	Comb. arms, each★		**JHE** 1.44
9-in arms, each★		**JGJ** 1.20	10-in. hook arms, each★		**JIE** 1.60
10-in. ext. arms, each★		**JIE** 1.60	10-in. ext. arms, each★		**JIE** 1.60

THREE-ARM PARTS.

No. 6566 Puller.			No. 6568 Puller.		
Beam★	each	**CAE** $5.28	Beam★	each	**DAJ** $6.88
Screw★	each	**AGE** 2.88	Screw★	each	**AIJ** 3.20
Pins★	each	**JE** .08	Pins★	each	**JE** .08
Comb. arms, each★		**JFE** 1.12	Comb. arms, each★	each	**JHE** 1.44
9-in. arms, each★		**JGJ** 1.20	10-in. hook arms, each★		**JIE** 1.60
10-in. ext. arms, each★		**JIE** 1.60	10-in. ext. arms, each★		**JIE** 1.60

For removing auto wheels, fly-wheels, transmission and cam shaft gears, commutators, sprockets, collars, pulleys, propellers, couplings, etc. The point of the screw is flat with inserted tempered tool steel point. Will not spread centers. Works equally well on work without centers. The strain is taken on the flat point of screw. Grease to keep from cutting. All pullers are furnished with two sets of the new combination hood and extension arms.

No. 6565 and 6566 combination arms are 6 inches, No. 6567 and 6568 7 inches, center to center of holes.

No. 6565 and 6566 pullers will reach work 11 inches from end of shaft and 16 inches in diameter.

No. 6567 and 6568 puller will reach work 13 inches from end of shaft and 20 inches in diameter.

Any number of combination arms may be had as extension arms to reach work, whatever the distance from end of shaft.

We also furnish a 9-inch arm for No. 6565 and 6566 pullers, a 10-inch hook arm and 10-inch extension arm for No. 6567 and 6568.

Screws and arms are interchangeable—can be used with any puller we have ever made. Screws are made of high carbon steel and case hardened all over. Arms are drop forged from high carbon steel. We make two and three arm pullers in both sizes. Everything we make is fully guaranteed.

AUTOMOBILE HEATERS, SEATS, BUMPERS, ETC.

AUTOMOBILE HEATERS.



No. 7-XG—Length 14 in., covered with maroo nmohair plush, w't 9 lbs., each .....**CFJ** $6.00

Same shape heater as No. 7-DG but with handsomer finish, has slanting flat top, ends of heavy stamped metal, quadruple nickel plated. Has both side and end adjustable ventilators.



No. 7-DG—Length 14 in., covered with superior Brussels carpet, w't 9 lbs., each .....**BAJ** $3.50

A well known and popular style, having fat slanting top and both side and end ventilators with which it can be made to throw out as much or as little heat as may be desired. It has cold drawn steel ends heavily nickel plated.



No. 127-G—Length 14 in., covered with best grade of green carpet, asbestos lined throughout, patent adjustable ventilators, w't 7 lbs., each .....**ADE** $2.40

This heater is a popular seller wherever shown and is strong and durable. It has cast ends with steel rods extending all the way through making it practically indestructible.



No. 5-BG—Length 12 in., covered with fine Brussels carpet, w't 4 lbs., each .....**ADJ** $2.30

ONE-HALF DOZEN IN A CASE.

CARRIAGE HEATER COAL.



No. 57-G—Coal bricks, 7½x2½x1¼ in., w't per doz. bricks 9 lbs., per dozen bricks .....**JFE** $1.12

No. 57-SG—Coal, 100 bricks in case, for livery and parage purposes, w't per case 100 lbs. .....per case **EDJ** $9.00

AUXILIARY SEATS.



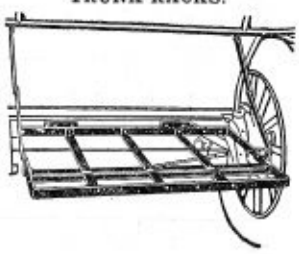
Adult's Size.

No. 6247—Seat 10½x11 in., height to seat 16 in., folded 13½x20¼x2½ in., folding back, round steel heavily japanned frame, rigid, durable, will not rust, trimmed in artificial leather, back and seat padded, w't per doz. 85 lbs., per dozen .....**BAFJ** $36.00

Child's Size.

No. 6248—Seat 9x9¾ in., height to seat 11 in., folded 12½x16x2½ in., w't per doz. 70 lbs., otherwise same as No. 6247 .....per dozen **AHCJ** $30.50

TRUNK RACKS.



No. 6240—Cradle, all steel consteruction, no castings, the lightest, strongest, simplest and neatest luggage carrier on the market, easily attached to any car, finished in black enamel baked on, easily adjusted, each **AHJ** $3.00

AUTOMOBILE BUMPERS.

Can Be Attached to Any Car Having Extended Frame in Front Without Drilling Holes in Frame or Removing the Spring Hanger Bolts. They Clamp Right on the Frame.

Channel Bar Bumpers.



No. 5740—2 in. nickeled steel bar, top clamp on type—cut not shown—complete, w't each 22 lbs., each .....**DHJ** $8.00

No. 5741—2 in. black enameled steel bar—clamp on type not shown—w't each 22 lbs.....each **DHJ** $8.00

No. 5742—2¼ in. nickel plated steel bar—as per cut above—w't each 27 lbs., each★ .....**JGBJ** $12.00

No. 5743—2¼ in. black enameled steel—as per cut above—w't each 27 lbs., each★ .....**JGBJ** $12.00

ONE IN A BOX.

Round Bar Bumpers.

No. 5744—1½ in. nickel plated steel bar, w't each 16 lbs.★....each **EGJ** $9.50

No. 5745—1½ in. black enameled steel bar, w't each 16 lbs., each★ .....**EGJ** $9.50

No. 5746—2 in. nickel plated steel bar, w't each 22 lbs.★ ..each **JGBJ** $12.00

No. 5747—2 in. black enameled steel bar, w't each 22 lbs.★ ..each **JGBJ** $12.00

Diamond Bar Bumpers.

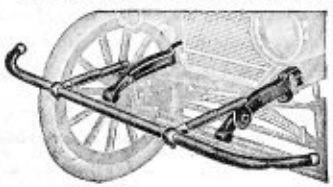
No. 5748—1½ in. nickel plated steel bar, bumper complete, w't each 22 lbs., each★ .....**JFJJ** $10.00

ONE IN A BOX.

FRAME EXTENSION BUMPERS FOR FORD CARS.

The shock is taken directly on the frame of the car, and in no way disturbs the radiator.

The Extension Bumper is simple to attach, no holes to drill—remove two nuts and replace with special nuts furnished—it makes a splendid appearance, actually changing the whole lines of the Ford Cars.



No. 5750—1¼ in. channel bar, nickel plated steel, complete, w't each 16 lbs., each .....**DHJ** $8.00

No. 5752—1¼ in. round bar, nickel plated steel, complete, w't each 16 lbs., each★ .....**DHJ** $8.00

No. 5753—1¼ in. round bar, black enameled steel, complete, w't each 16 lbs. .....each **DBJ** $7.00

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

AUTOMOBILE TRUNKS.

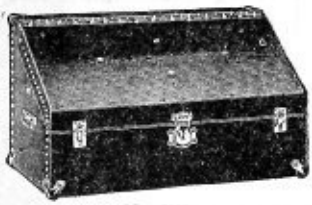
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No. 5876.



No. 5885.



No. 5888.



No. 5891.

No.	Size L. in.	W. in.	H. in.	Empty trunk box only.	Shipping W't lbs.	Trunk Equipped with	Price complete.	W't lbs.	
5876	28	15	13	$12.00	26	2 Suit Cases	$20.00	35	
5877	30	15	13	13.50	27	2 Suit Cases	21.00	37	
5878	32	15	13	14.50	28	2 Suit Cases	22.50	39	The front, piano hinged on top, raises up.
5879	28	15	20	13.50	33	3 Suit Cases	24.50	45	
5880	30	15	20	16.00	35	3 Suit Cases	26.50	48	For general use.
5881	32	15	20	18.00	38	3 Suit Cases	29.00	50	
5882	28	15	15	16.50	23	2 Suit Cases	26.00	36	
5883	30	15	15	18.50	24	2 Suit Cases	28.00	38	
5884	32	15	15	20.50	35	2 Suit Cases	30.00	40	
5885	28	15	22	19.50	32	3 Suit Cases	30.50	49	Have more substantial and expensive materials and fittings. Otherwise the same as above.
5886	30	15	22	21.50	34	3 Suit Cases	33.50	51	
5887	32	15	22	23.50	36	3 Suit Cases	36.00	53	
5888	28	17	15	16.50	22				Sloping Roadster Trunk. Will stand a great deal of service.
5889	30	17	15	18.50	23				
5890	32	17	15	20.50	24				
5891	30	12	15	16.50	27	2 Suit Cases	22.50	37	Are equipped with steel clamp bottom to hold trunk on running board without other fastening. Slips on or off as desired.
5892	32	12	15	18.00	28	2 Suit Cases	24.00	39	

Prices above are for Brass Trimmed trunks.

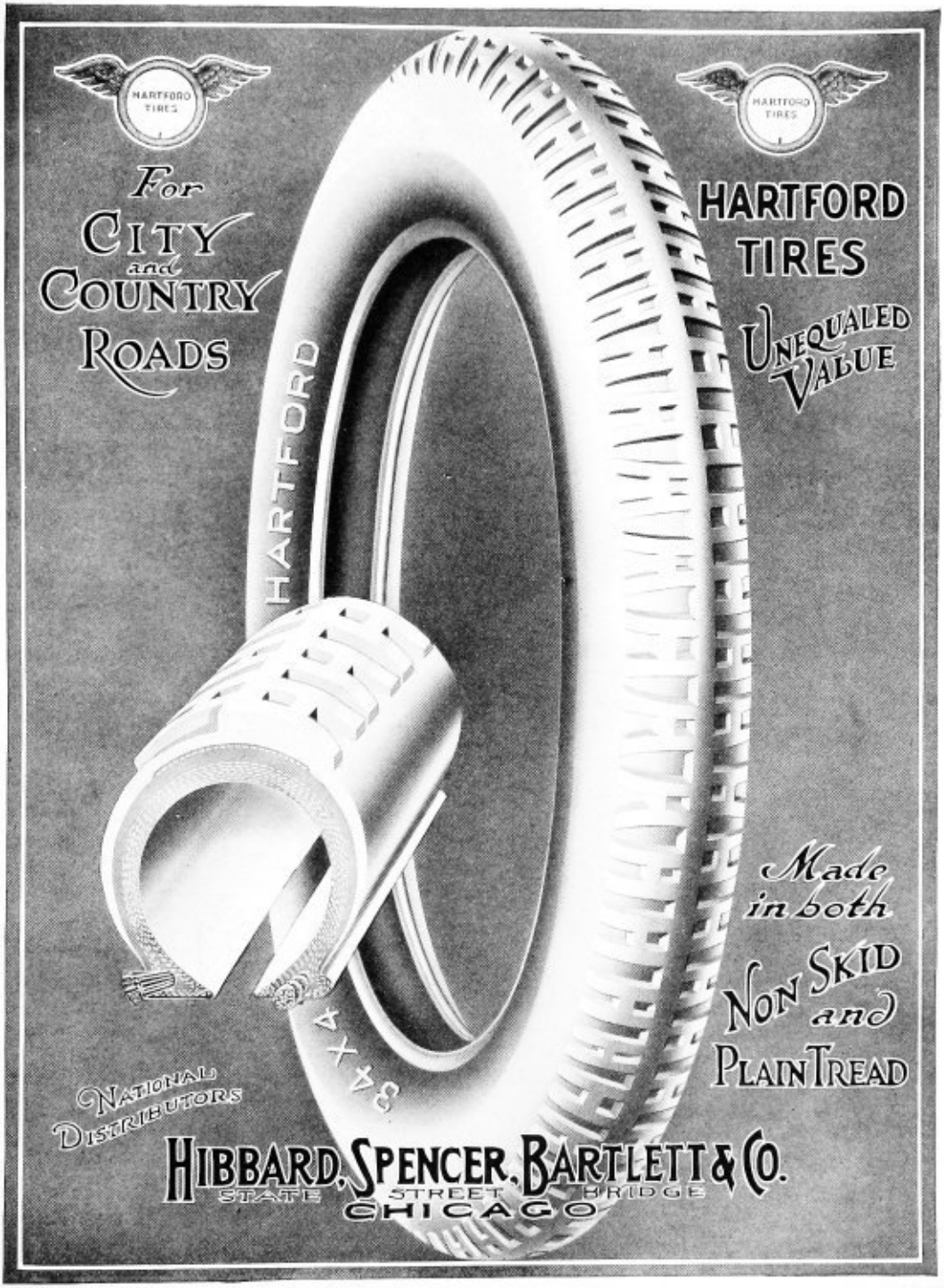
For Nickel Trimmings, add BM cents each net.

In ordering, be careful to specify if trunk box only is desired or complete with suit cases. Brass trimmed trunks will be supplied on all orders unless otherwise specified.

Dust-proof, rain-proof, steel covered, convenient, economical, durable, smart design and finish.

These trunks are made of the best veneered lumber, are linen lined throughout and are entirely covered with black-enameled, heavy steel, reinforced with heavy metal corners. All trunks have locks, catches, etc., either brass or nickel trim.

The suit cases included are covered with black duck, linen lined throughout, and have locks, catches, etc., either brass or nickel trim to correspond with trunks.


HARTFORD TIRES
HARTFORD TIRES
For CITY and COUNTRY ROADS
HARTFORD TIRES
UNEQUALED VALUE
HARTFORD
Made in both
NON SKID and PLAIN TREAD
NATIONAL DISTRIBUTORS
HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO

"THE ARISTOCRATS OF THE ROAD"



"NOBBY TREAD" TIRES

HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.

HARTFORD AUTOMOBILE TIRES—NOBBY TREAD CASINGS.



Cross Section Plain Tread Clincher.



Cross Section Quick Detachable Clincher. Note Wire in Bead.



Cross Section Straight Side or Dunlap Type Casing.

HARTFORD TIRES

There is one ingredient that enters into the successful construction of rubber tires, we might well say the most important factor of all, too often ignored in deciding on the relative merits of competing tires—and that ingredient is **Experience.**

The compounding and combining together of rubber and cotton fabric to withstand the stresses, strains and shocks to which a tire is subjected, is a problem that only years of experience can solve.

Hartford Tires are the acme of excellence of material, the essence of scientific and thoroughly reliable workmanship made possible only by our modern factory method of production.

PLAIN TREAD.

Plain Tread tires are the ordinary tires for ordinary use and it is, therefore, important that they should be well built. We honestly believe that **Hartford Tires** are the best in the world. We know that the conditions under which they are manufactured are second to none. No expense has been spared to equip our factories with the finest machinery designed for tire construction, and the men who are in charge of our production are the most skilled and expert tire men throughout the world.

In the Plain Tread we are giving you a tire made by a rubber company with an experience in making automobile tires of over twenty years. The Plain Tread tire is made from the best Sea Island fabric jointd together with a high grade of friction and covered with a tread of Para rubber compounded in such a way that the best results are secured in wearing and resiliency, and in the manufacture the machinery used is such that each ply of fabric is so applied that there can be no chance of fabric separation; there is no hand work, no rule of thumb, but a mechanical exactness that ensures the best results in the use of the tire. No matter what tire you have used in the past, no matter what your experience has been, we have no hesitation in saying that in the Hartford tire you have a practical combination of Para rubber and Sea Island Cotton that is not produced in any other tire on the market.

NON-SKID.

In the **Hartford Non-Skid** we have a tire with a tread that is the very ideal of a tire that will avoid accident from skidding. We not only get traction but we have the suction which prevents skidding on wet or greasy boulevards. The tire is made in the same thorough and painstaking way as the Hartford Plain Tread, but has the non-skid feature added in such a way that although the tire will stop the car from skidding it will not cause any trouble with the tread or fabric.

The "H" non-skid tread Hartford tire is the most practical automobile tire on the market. It is made by the same process, and of the same first quality material and the same painstaking care which has always distinguished Hartford automobile tires. If unusual care in making careful inspection of each step in the process of manufacture, the best materials, labor and machinery, can produce a perfect tire, you will recognize it in Hartford tires.

UNITED STATES "NOBBY TREAD" TIRES.

The "Nobby Tread" is a real anti-skid tire. The big, thick, tough rubber knobs are on a strip of high quality rubber which is welded on an extra strong, extra well made tire. This means that the "Nobby Tread" Tire is practically two tires in one. The scientific arrangement of the knobs prevents skidding and lifts the main body of the tire clear of nearly all sharp obstacles. This means that this tread escapes 90 per cent. of the punctures common with ordinary tires. "Nobby Tread" Tires are sold under the manufacturer's regular warranty of perfect workmanship and material, but adjustments are on a basis of 5,000 miles.

HARTFORD AUTOMOBILE TIRES—NOBBY TREAD CASINGS.

Consumers' Net Prices—Effective February 1st, 1915.

Size.	Hartford Plain Tread Casings, Regular Clincher, Q. D. Clincher or Straight Side.	Hartford Non-skid Casings, Regular Clincher Q. D. Clincher or Straight Side.	United States Nobby Tread Casings.	Gray Auto Inner Tubes.	Red Inner Tubes.	Average Shipping W't of Casings.	Average Shipping W't of Tubes.
28-3	$ 8.50	.....	$13.50	$2.25	$2.75	12 lbs.	2 lbs.
30-3	9.00	9.45	14.40	2.35	2.80	12 lbs.	2 lbs.
30-3½	11.60	12.20	18.80	2.70	3.50	14 lbs.	2½ lbs.
32-3½	13.35	14.00	21.60	2.80	3.70	15 lbs.	2½ lbs.
31-4	17.95	18.85	28.75	....	....	17 lbs.	3 lbs.
32-4	18.25	19.15	29.30	3.80	4.55	17 lbs.	3 lbs.
33-4	19.05	20.00	30.80	3.90	4.65	19 lbs.	3½ lbs.
34-4	19.40	20.35	31.45	4.00	4.75	19 lbs.	3½ lbs.
35-4	20.20	21.20	32.95	4.10	4.90	20 lbs.	4 lbs.
36-4	20.50	21.55	33.50	4.20	5.00	20 lbs.	4 lbs.
34-4½	26.00	27.30	42.00	....	....	26 lbs.	5 lbs.
35-4½	27.00	28.35	43.85	5.10	6.20	26 lbs.	5½ lbs.
36-4½	27.35	28.70	44.50	5.20	6.30	27 lbs.	6 lbs.
37-4½	28.35	29.75	46.40	....	....	28 lbs.	7 lbs.
37-5	32.30	33.90	51.90	6.20	7.60	40 lbs.	8 lbs.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Tires and tubes will be invoiced at the price in force on date of shipment. We do not prepay freight or express on Back Orders of tires or tubes.

In ordering state size, style, plain tread, Hartford Non-Skid or "U. S. Nobby."

Read carefully terms of sale and conditions covering adjustments as outlined in Guaranty below. We can supply all sizes in United States "Nobby" Tread. Sizes other than listed from factory only.

GUARANTEE ON HARTFORD TIRES

We guarantee all Pneumatic Automobile Tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new Tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced Tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly misused, used on Rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.



Hartford Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these Tires who uses therein any substitute for air, or who uses them under weights in excess of those for which the various Tires are recommended, or who does not keep Tires inflated to the pressures recommended by us.

U. S. "Nobby Tread Tires" are sold under our regular warranty—as printed above—perfect workmanship and material—BUT any adjustment will be on a basis of

5,000 MILES

WEIGHT SCHEDULE

The following table will act as a guide to the proper size of tire which should be equipped to your machine, cars to be weighed without passengers or luggage.

	Rear W't per Wheel Lbs.	Front W't per Wheel Lbs.		Rear W't per Wheel Lbs.	Front W't per Wheel Lbs.
28x3	350	425	34x4	700	875
30x3	375	450	35x4	735	885
30x3½ ..	450	550	36x4	750	900
31x3½ ..	475	575	32x4½ ..	750	950
32x3½ ..	500	600	34x4½ ..	900	1125
34x3½ ..	550	650	35x4½ ..	935	1175
31x4	635	775	36x4½ ..	975	1225
32x4	650	800	37x4½ ..	1010	1260
33x4	675	850	37x5	1100	1350

INFLATION TABLE

The following is a table of proper air pressures for different sizes of tires—

3 inch tires.....	60 lbs.	5 inch tires.....	100 lbs.
3½ inch tires.....	70 lbs.	5½ inch tires.....	110 lbs.
4 inch tires.....	80 lbs.	6 inch tires.....	120 lbs.
4½ inch tires.....	90 lbs.		

A simple way to remember these pressures is this—Twenty pounds of pressure to an inch of tire.

TIRE SIZES

A tire the proper size for your car reduces your tire bills—but too few cars have proper size tires. You may not realize it, but in all probability it is true that overweight is the cause of most tire troubles.

Each size of tire is designed to carry a certain specified weight, but many times the car itself reaches this maximum and the accessories and passengers overload the tires.

The one sure way to be rid of tire troubles is to be certain that your tire capacity is equal to the maximum weight put upon them without straining to the danger point.

H.S.B.&CO. AND REVONOC TUBES AND RELINERS.

H.S.B.&CO. RED INNER TUBES.



Size in.	W't each lbs.		Price Each
28x3	2	BFJ	$2.75
30x3	2½	BFE	2.80
30x3½	3	CBJ	3.50
32x3½	3½	CEJ	3.70
32x4	4½	DCJ	4.55
33x4	5	DDJ	4.65
34x4	5½	DEJ	4.75
36x4	6	DGE	5.00
35x4½	6	EHJ	6.20
36x4½	6½	FJJ	6.30
37x5	7	GBJ	7.60

The H.S.B.&CO. "Quality" red tube was carefully selected after exhaustive tests to secure the highest quality materials and compounds possible to use in the manufacture of a serviceable red inner tube. It is made from the best grade of sheet para rubber obtainable, producing a tube of laminated construction having no equal in wearing or lasting qualities.

Our H.S.B.&CO. tube has an inside reinforced valve base and extra strong splice, giving additional strength at the two points where many tubes are weak.

Our H.S.B.&CO. Tube is placed on the market as a quality tube—giving you the best that can be made—and should not be confused or compared on a price basis only.

Our H.S.B.&CO. Tubes are packed in substantial boxes protecting the tube from injury, has a printed guaranty tag attached to each tube, and an individual envelope of high grade Cruso Tire Talc, which if used, greatly prolongs the life of the tube by eliminating friction.

Due to the general unsettled conditions of the rubber markets, all quotations and prices on inner tubes are subject to change without notice, and orders will be billed at prices ruling on date of shipment. All tubes carry a full season's guaranty.

REVONOC GRAY INNER TUBES.



Size in	W't. each, lbs.		Each.
28x3	2	BAE	$2.25
30x3	2½	BBE	2.35
30x3½	2¾	BEE	2.70
32x3½	3	BFE	2.80
32x4	4½	CFJ	3.80
33x4	4¾	CGJ	3.90
34x4	5	CHJ	4.00
36x4	5¾	DJJ	4.20
35x4½	5	DGE	5.10
36x4½	6	DIE	5.20
37x5	7	FJJ	6.30

The REVONOC Inner Tube is made from the best grades of rubber, especially selected for durability and maximum wearing qualities. This tube is placed in a neat draw string bag and then packed in a strong attractive box. We attach to each tube in tag form a printed guaranty. The REVONOC Tube is constructed of heavy laminated sheets of rubber, gray in color, seamless and having an inside moulded valve base, which adds great strength at a point that always has been the weak part of a tube. REVONOC Tubes when used with a Quick Detachable or Dunlap style of casing should be, without exception, used with protection strips.

After several years experience in selling tubes we now offer our trade a tube that has proven very successful under all conditions.

Each tube carries a full season's guaranty.

Due to the unsettled condition of the rubber market, our prices are subject to change without notice.

REVONOC TIRE RELINERS.



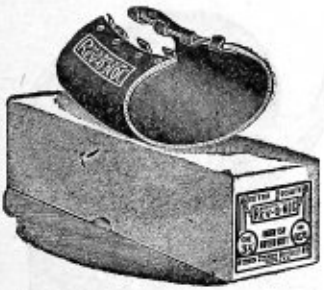
Size in.	W't. each, lbs.		Each.
28x3	2½	AHJ	$3.00
30x3	2½	AHJ	3.00
30x3½	4	BAJ	3.50
32x3½	4	BAJ	3.50
32x4	5½	BGJ	4.50
33x4	5½	BGJ	4.50
34x4	5½	BGJ	4.50
36x4	5½	BGJ	4.50
36x4½	6	CJJ	5.00
37x5	7	CFJ	6.00

REVONOC Tire Reliners are composed of several layers of the best grade Sea Island fabric, same as used in making casings, being closely woven, each layer on the bias, the whole forming a reliner of unusual strength and durability. Over this construction is a thick layer of gum rubber that self-vulcanizes the reliner to the casing when in use, preventing all possibility of it slipping or creeping, and thereby injuring your inner tube. Each reliner is carefully wrapped in heavy oil paper and packed in a strong attractive box and carries a full season's guarantee.

ONE IN A BOX.

REVONOC AUTO SPECIALTIES.

REVONOC HOOK ON TIRE BOOTS.



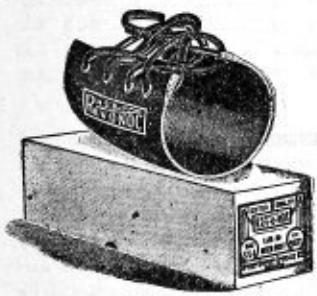
No. 6673—Hook On Boots, 3 in., w't each 1 lb. .....each **JGE** $1.30
No. 6674—Hook On, 3½ in., w't each 1 lb. .....each **JIJ** $1.50
No. 6675—Hook On, 4 in., w't each 1 lb., each .....**AJJ** $1.70
No. 6676—Hook On, 4½ in., w't each 1 lb. .....each **AAE** $1.90
No. 6677—Hook On, 5 in., w't each 1 lb., each .....**ABJ** $2.00

REVONOC *Hook on Tire Boots are the same as the Lace On, with the exception of having steel hooks securely riveted to enable one to hook same under the flange of the rim, holding the Boot in place. The most serviceable and durable made.*

Each REVONOC *Boot is wrapped in oil paper, packed in a neat, attractive box and carries a full season's guarantee.*

ONE IN A BOX.

REVONOC LACE ON TIRE BOOTS.

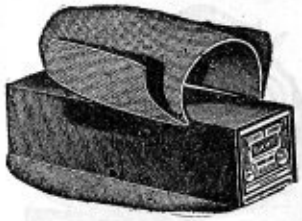


No. 6670—Lace On Tire Boots, 2½x3 in., w't each 1 lb. .....each **JHE** $1.40
No. 6671—Lace On, 3½x4 in., w't each 1 lb. .....each **JIE** $1.60
No. 6672—Lace On, 4½x5 in., w't each 1 lb. .....each **AJE** $1.80

REVONOC *Lace on Tire Boots are composed of several layers of Sea Island fabric vulcanized together with the best friction, having a heavy outside layer of rubber. Each boot fits accurately to the casing and has feather edges to avoid folting when in use, complete with rawhide laces.*

ONE IN A BOX.

REVONOC DOUBLE LOCK TIRE SLEEVES.



No. 6640—Double Lock, 2½x3 in., w't each 1 lb. .....each **JGJ** $1.20

No. 6641—Double Lock, 3½x4 in., w't each 1 lb. .....each **JHE** $1.40

No. 6642—Double Lock, 4½x5 in., w't each 1 lb. .....each **JIE** $1.60

REVONOC *Double Locks are a moulded and vulcanized patch, made of best grades of fabric and friction, having flaps to lock under the bead, preventing slipping when in use. Fits the casing accurately and will last as long as the tire.*

REVONOC CEMENTS.



Vulcanizing. Rubber.

No. 6700 REVONOC — Rubber Cement, 1x4 in. tubes...per dozen **JIJ** $1.50

No. 6701 REVONOC—Rubber Cement, ¼ pt. cans .....per can **AE** $0.24

No. 6702 REVONOC—Rubber Cement, ½ pt. cans .....per can **CJ** $0.50

NO. 6700, ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES.

No. 6706 REVONOC—Vulcanizing Cement, ½ pt. cans .....each **CJ** $0.48

No. 6707 REVONOC—Vulcanizing Cement, 1 pt. cans .....per can **EE** $0.92

For use with steam or electric vulcanizers.

REVONOC *Cements are guaranteed to be the best possible product obtainable and to do work satisfactory if directions are followed.*

REVONOC RADIATOR AND BOILER COMPOUND.



No. 6251—½ pt. cans, w't per can ½ lb., per dozen .....**JGBJ** $12.00
No. 6253—1 pt. cans, w't per can 1 lb., per dozen .....**JIJJ** $15.00

REVONOC *Radiator Compound may remain in the entire water system for an indefinite period as it contains no grit or acid, and it is impossible for it to clog the water circulation or interfere in any manner with the cooling system. Its action is similar to the corpuscles of the blood. The compound coagulates upon coming in contact with the air as it flows from the opening where the leak is located, becoming harder than solder from the heat of the water system and action of the air.*

This action, this coagulation, takes place in less than twenty minutes. Only enough time is required to permit the compound to reach the leak where there is air, the action takes place.

In addition to the above, which is sufficient to make it a real necessity, the compound will absolutely cool water in the water system, because the compound dissolves all foreign substances in both radiator and water jackets, allowing a free passage of water at all times, thus guaranteeing radiation.

Will remove obstructions in plugged up radiators. Repairs made are permanent without removing radiator from car.

AUTOMOBILE AND GASOLINE ENGINE ENCYCLOPEDIAS.



No. 6245—Dyke's.....each **BDJ** $4.00

Terse, extravagantly complete and pulsing with motor life. Four hundred pages of live instruction.

To begin with—It is readable, you will enjoy every page—every line of it. Practical theory will crowd out careless fiction. Lessen the upkeep. Reduce gasoline, oil and repair bills, tire and magneto losses. Avoid overhauling your engine—don't develop engine troubles—save your transmission, axles and bearings.

TIRE REPAIRS.

AUTO SHOES.



For Repairing. An Inside Shoe or Plaster of the Best Sea Island Fabric, with Heavy Coat of Raw Cement.

Nos.	6626	6627	6628
Size of shoe, in.	2½x3	3½x4	4½x5
Each	$0.80	.80	.80
	DH	DH	DH

Ready for instant use. Being made of Sea Island fabric and vulcanized together makes the shoe as strong as a casing.



Double Lock Shoe, a Moulded Vulconized Patch, Made of Several Plies of Fabric with a Flap to Lock Around the Bead.

Nos.	6629	6630	6631
Size of shoe, in.	2½x3	3½x4	4½x5
Each	$1.10	1.30	1.50
	JFE	JHJ	JIJ

U. S. TIRE RELINERS.



Nos.	6632	6633	6634
Sizes, in.	2½x3	3½x4	4½x5
Each	$0.34	.70	1.06
	BJ	DB	JFE

This patch is to be used in emergency cases in repairing blow-outs. It is used alone or in connection with tire sleeves. Made of high grade friction tire fabric and rubber.

U. S. TIRE BOOTS.



High Grade Friction Tire Fabric Properly Cured with Heavy Rubber, Gives it Perfect Tire Strength, Regular Tire Shape, Fitted Perfectly from End to End, Complete with Heavy Rawhide Lacing.

Nos.	6662	6663	6664
Sizes, in.	2½x3	3½x4	4½x5
Each	$1.16	1.48	1.72
	JGJ	JIJ	AJE

SPITLER PUNCTURE PLUGS.



No. 6395—Brass, cannot injure rubber of tube or fabric of tire, permanent repair made in 1 minute, can be used over and over again, will repair any hole not over ½ in. in size, no cement, no patches, no vulcanizing, no tools needed to repair hole, w't per box ⅛ lbs., per box—set of 4 .....JGJ $1.20

Safe, cheapest, and most effective inner tube repair on the market.

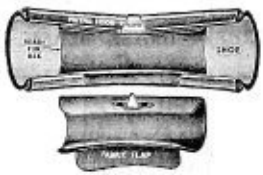
ONE SET IN A BOX; TWELVE BOXES IN A PACKAGE.

NO CEMENT PATCHES.



No. 6685 REVONOC—Moulded red patches, tapered edges, best quality, 1 doz. 2 in. patches in a box complete with emery cloth, w't per doz. boxes 7½ lbs., per dozen boxes .....CCJ $5.50

HAGSTROM INSIDE BLOW-OUT PATCHES.



Will Fit Either Clincher or Quick Detachable Casing.

Nos.	6621	6622	6623	6624
Size of tire, in.	3	3½	4	4½
Each	$1.50	1.80	2.04	2.28
	JIJ	AAJ	ABE	ACE

The Hagstrom patch is inserted inside the casing without removing it from the rim. It is invisible when inserted and has not a bulgy appearance which causes the uneven riding which commonly results from the use of an outside patch. It has a patent metal hook which prevents the patch from creepng in the casing.

H. S. B. NO-CEMENT PATCHES.



No. 6682—H. S. B., heavy specially vulcanized rubber, tapered edges which prevent curling, lined with layer of prepared rubber of self-vulcanizing nature that acts as a high grade cement, eight assorted in a box with directions, per dozen boxes EJE $8.40

ASSORTED PATCHES.



No. 6683—U. S. Nagrom assortment, consisting of ten rubber patches, assorted sizes in a package, per assortment .....DH $0.80

Per dozen assortments.....EJJ 8.30

RUBBER TUBE PATCHES.



Continental.

No. 6690—1⅛ in. round, per dozen .....BE $0.40

No. 6691—2 in. round, per dozen .....DE .70

No. 6692—2½x2¾ in., per dozen .....JHJ 1.30

No. 6693—2½x3¾ in., per dozen .....AAE 1.90

No. 6694—2½x5½ in., per dozen .....AHJ 3.00

The best rubber patch on the market.

TIRE SUNDRIES.

"CRUSO" TIRE TALC.



No. 6752—Finest grade imported French Talc, put up in durable packages with sifter tops.....per dozen **AAE** $1.92

PACKED IN 1 LB. PACKAGES; ONE DOZEN IN A CARTON; WE DO NOT BREAK CARTONS.

MICA TIRE POWDER.



No. 6750.



No. 6751.

No. 6750—Blue lithographed tin tubes, 8¼x2¾ in., solid sifter top and screw cap .....per dozen **AHJ** $3.00

No. 6751—Heavy cardboard boxes, 7¾x2 in., with sifter top, per dozen .....**ABJ** $2.00

Non-caking, prevents friction, will not absorb moisture, a perfect insulator. Keeps inner tubes from heating and sticking to the casing.

Mica tire powder is acknowledged by users to be superior to all other powders; mica will not absorb moisture, therefore will not cake like talc, soapstone and French chalk. Once sprinkled in the casing it stays there.

TIRENEW.



White Only.

No. 6935—12 oz. cans, w't per case 85 lbs., per can .....**DE** $0.75
Per case .....**AIBJ** 32.00
48 IN A CASE.

No. 6936—1 qt. cans, w't per case 55 lbs., per can .....**AJE** $1.75
Per case .....**ADGJ** 24.50
16 IN A CASE.

No. 6937—½ gal. cans, w't per case 55 lbs. .....per can **AIJ** $3.20
Per case .....**ACHJ** 23.00
8 IN A CASE.

No. 6938—1 gal. cans, w't per case 55 lbs., per can .....**CFJ** $6.00
Per case .....**ABHJ** 21.35
4 IN A CASE.

Put up in highly enameled and lithographed cans and pails having a patented air-tight friction top.

Tirenew is a scientific preservative of automobile tires, a liquid rubber dressing or coating that penetrates into every cut and crevice of the tire, thoroughly waterproofing the fabric and preventing decay.

It leaves the tire completely coated with a new surface impervious to water.

It does not have to be mixed, it is ready for use and is easily applied with a brush, has a pleasant odor, dries quickly and becomes a part of the tire itself.

It will not rub off as do chalk preparations, and it absolutely protects the tire from its worst enemies, light, oil and water.

Tirenew is made in white and makes all tires look bright and new and improves the appearance of the automobile 100 per cent.

"CRUSO" BRASS BLACK.



No. 6254—½ pt. cans, per dozen .....**DCJ** $7.20

This preparation is made expressly for coating the brass parts of an automobile, giving a beautiful velvet black finish that will withstand the heat and not chip. Brass Black is waterproof. Directions in full on each can.

ONE DOZEN IN ATTRACTIVE COUNTER DISPLAY BOX.

"CRUSO" FENDER FINISH.



No. 6255—1 pt. cans, per dozen .....**DCJ** $7.20

This liquid is designed to stand the great wear and tear to which an automobile finish is sure to be subjected. Especially adapted for repairing scratched mudguards.

Fender Finish can be applied by anyone to either the wood or metal parts of an automobile. Can be used on the wheels, running gear or bows supporting the top. Prevents rust and leaves a beautiful high grade finish.

Contents of can will keep indefinitely if covered.

SIX CANS IN ATTRACTIVE COUNTER DISPLAY BOX.

SE-MENT-OL RADIATOR CEMENT.



No. 6252—Radiator cement, per can .....**EE** $0.90

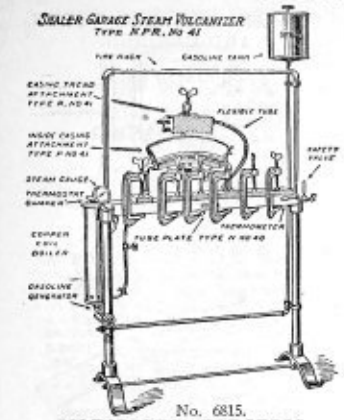
Se-Ment-Ol is a self-acting radiator cement. By this we mean that it is no longer necessary to take off your radiator and have it soldered when you discover that it is leaking. Simply take off the cap and strainer, pour in the proper amount of Se-Ment-Ol and your radiator will be repaired in ten minutes without further effort on your part.

The peculiar properties of Se-Ment-Ol enables it, when poured into the radiator, to dissolve in the hot water and therefore to flow throughout the entire cooling system. As the Se-Ment-Ol comes in contact with the leak it becomes exposed to the air and is brought out of solution. At first only a thin film of Se-Ment-Ol is deposited on the lips of the leak, but as the solution continues to flow through the leak, this deposit is added to and added to until the leak is entirely filled and the leaking stopped.

Se-Ment-Ol has positively no detrimental effect upon either metal or rubber and will not clog the finest passage in the radiator.

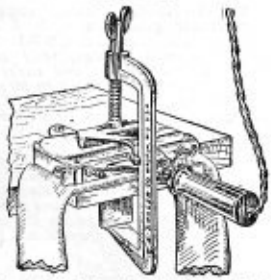
SHALER VULCANIZERS.

GARAGE STEAM VULCANIZERS.



No. 6815.

MOTORISTS' ELECTRIC MODEL.



Repairing Tube, Type D, Portable.

No. 6805—Iron, alternating current, each ..... **AACE** $18.96

No. 6807—Iron, direct current, each★ ..... **AABE** 18.76

No. 6808—Nickeled, direct current, each★ ..... **ACEJ** 22.50



For auto owners. Flat face for vulcanizing inner tubes and durable metal warp-proof shelf with inlaid asbestos pad on which to lay them when vulcanizing. Concave face for vulcanizing casing while on wheels, with curved edge for repairing rim cuts.

Temperature automatically controlled by thermostat. Heat conducted evenly to every part of repair. Vulcanizing surface 7x5½ in., on which two tubes can be vulcanized as quickly as one. Patent handle for moving heated vulcanizer from one repair to another. Heats in seven minutes and consumes ½ cent of current per hour. Self adjusting swiveled clamp for applying vulcanizer to tube or casing, ten feet conducting cord, U. S. government tested heat gauge, cement, Para rubber, and full set of directions. D No. 6807 and D No. 6808 work on either direct or alternating current, but when purchasing for alternating current you are advised to use Type D No. 6805 or 6806, especially wound for alternating current.

When ordering, specify voltage.

No. 6815—Type N. P. R., complete garage outfit as illustrated, consists of six clamps and blocks for tube work, casing clamps, tape for wrapping treads, thermometer, steam gauge and safety valve, w't packed 170 lbs., per outfit ..... **EDJJ** $90.00

No. 6816—Type N, equipped with tube work only, otherwise same as No. 6815, w't packed 140 lbs., per outfit ..... **CAEJ** $52.50

Designed to cover the requirements of a garage or repair shop. Will handle every sort of vulcanizing except re-treading. The tube plate has a machined surface 4x30 in., and will vulcanize six tubes as quickly as one. It can be heated independently of the casing attachments or used simultaneously with them. Pressure is applied to tubes by means of swiveled clamps which insure uniform pressure to every part of each repair. Type P goes inside the tire, bringing the heat directly against the fabric. Type R heats the repair from the outside. A wrapping of tape and the Shaler clamping device produce an enormous pressure that forces the new and old material into most intimate contact. Type R will also repair the sand pockets and tread cuts while tire is on the wheel, fully inflated. The boiler, a copper coil heated by a powerful gasoline burner, raises steam to the vulcanizing pressure in about twenty minutes. A thermostatically controlled damper keeps the temperature of the steam at the correct vulcanizing point automatically. The automatic feature eliminates danger of imperfect repairs.

GARAGE MODELS ELECTRIC.



Type B, Portable.

No. 6809—Iron ..... each **AHJJ** $30.00

Identical with Type D (see description of D), except that a rheostat instead of a thermostat controls the temperature. It works equally well on direct current or on alternating current. Has extra double concave face, giving additional surface for vulcanizing casings and has five additional feet of conducting cord.

STITCH-IN-TIME.

Repairing Tube.

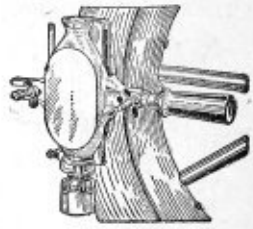
No. 6817—Type J .... each **JIJJ** $15.00



Identical in form with Type S described above, but instead of transmitting the heat to the vulcanizing surface through the medium of steam, it transmits it by direct radiation, a less expensive vulcanizer that is guaranteed to do perfect work.

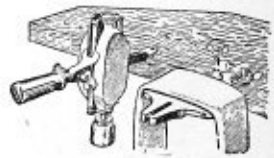
★*FOR FACTORY SHIPMENT ONLY.*

PORTABLE STEAM VULCANIZERS.



For Use In Garage or By Roadside.

No. 6819—Type S .... each **AABE** $18.76

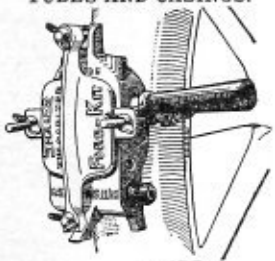


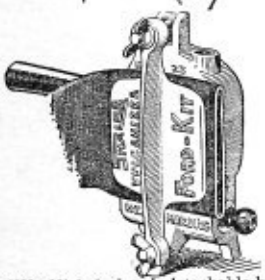
Heating Vulcanizer While Repairing.

The only reliable vulcanizer for use where electric current is inaccessible, not because of the steam it contains, but because a thermostat holds the temperature at the vulcanizing point automatically. The patent alcohol generator creates an intense flame, producing the vulcanizing temperature, 265 degrees, in a few minutes. At this point the thermostat expands, closing a damper sufficiently to maintain the vulcanizing temperature, absolutely preventing injury to the tire or breakage of the heat gauge. Vulcanizing depends on temperature, not on any mysterious property of the steam. The function of the steam is to insure a uniform heat distribution, preventing overcuring one part of the repair and undercuring another. The Shaler, in addition to being the only steam vulcanizer with automatic temperature control, is the only one that has the precaution of a safety valve, absolutely eliminating the danger of explosion. As the temperature control needs no watching, the repair is made ready while vulcanizer is heating—a big saving in time. The patent handle permits it to be applied while hot, and moved from one repair to another without cooling. Vulcanizing larger repairs are easily made by resetting vulcanizer. One side of the heater is flat for mending tube injuries, from a nail hole to a two foot slit. Tubes are vulcanized on a metal shelf inlaid with asbestos to prevent radiation and reduce the time for vulcanizing. The opposite side is concave, shaped to fit anywhere on any sized casing without removing it from rim. Enables any motorist or chauffeur to seal cuts, sand pockets, etc, thereby excluding moisture from the fabric and greatly increasing the mileage of his tires. Furnished complete with case, clamps for tube and casing work, U. S. government tested heat gauge, cement, Para rubber, alcohol container and an illustrated book of instructions. Can be carried in tool kit.

VULCANIZERS AND THERMOMETERS.

FORD KIT FOR MENDING BOTH TUBES AND CASINGS.





No. 6823—Nickel plated, detachable handle, burns alcohol or gasoline, w't each 5 lbs., complete with repair rubber and cement .....each **BAJ** $3.50

Mends all tube injuries and small casing cuts can be carried in tool box.

Fill cut with new rubber, clamp on vulcanizer, fill generator and light it. You cannot over-cure or under-cure a repair because fuel supply gives just enough heat for perfect vulcanization. No smoke, no soot or dangerous exposed flame. ONE IN A BOX.

SHALER TUBE KITS

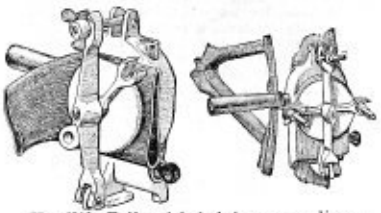


No. 6822—Nickel plated, detachable handle, vulcanizing surface 10 square inches, heat produced by lamp which burns gasoline or alcohol, w't each 4 lbs., complete with repair material, each .....**AEJ** $2.50

No smoke, soot or dangerous exposed flame. The fuel is contained in lamp in such a way that accidental tipping over of the vulcanizer while in use would not cause trouble. A measure, graduated to give the proper fuel charge to cure every repair exactly right, is furnished with the vulcanizer so that no watching or regulating is necessary. Can be carried in tool box.

ONE IN A BOX.

SHALER SAFETY VUL-KIT VULCANIZER.



No. 6803—Fully nickeled, burns gasoline or alcohol, absolutely safe, w't each 10 lbs., complete with repair material, everything but fuel, each **CJJ** $5.00

The Safety Vul-Kit is designed to meet the requirements for an inexpensive outfit that can be carried in the tool box for emergency repairs to tubes and casings.

It mends tube punctures and small casing cuts as permanently as the most elaborate outfit. The fuel supply is limited to that required for perfect vulcanization.

You can't overcure or undercure a repair.

Avoids all flame, smoke, and danger, can be turned upside down while in operation without spilling a drop of fuel.

Vulcanizer handle always cool. Will last a lifetime.

ONE IN A BOX, COMPLETE.

GANG VULCANIZERS.



Type E.

No. 6811—Thermostat control, alternating current only★..each **BBEJ** $37.50

No. 6812—Rheostat control, alternating or direct current★..each **BGJJ** $45.00

24 inches long, will vulcanize six tubes at a time or will mend a two foot slit at one setting. Furnished with four patent clamps and four blocks, for four sizes repairs.

CASING BLOW-OUT VULCANIZERS.



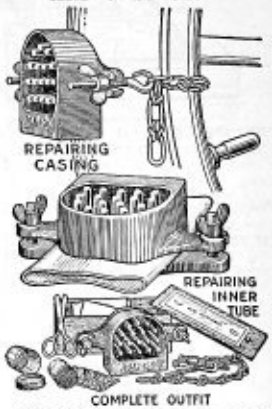
Type C.

No. 6813—Thermostat control, alternating current only★..each **AHJJ** $30.00

No. 6814—Rheostat control, alternating or direct current★..each **BBEJ** $37.50

Will repair any blow-out or tear in any casing that is practical to mend and will fit any sized tire. It is 14 in. long. Heat is applied to inside of tire, right against new fabric, which does away with cutting away a lot of fabric and rubber as is necessary when fabric and heat are applied from outside of tire, as with steam vulcanizer. Cost of operation, 1½ cents per hour. Type B or D is used simultaneously with Type C to vulcanize the tread.

VULCANIZERS FOR TUBES AND CASINGS.



COMPLETE OUTFIT

No. 6802—Universal outfit, complete with repair gum, w't each 4 lbs., each .....**BGJ** $4.50

Tire cuts ruin casings, they admit moisture to the carcass and cause the fabric to rot and weaken, grow larger—end in blowouts.

Casings and tubes can be vulcanized anywhere in 15 minutes at a cost of one cent.

Absolutely automatic. Place the patch attach the vulcanizer, put in gasoline—light it. No further attention required. It can't burn, scorch or injure tube or casings. It can't fail to do its work. So simple anyone can operate it. Practical, quick and reliable.

ONE IN A BOX.

TUBE VULCANIZERS.



No. 6801—Adamson, no cement, no acid, for inner tubes only, w't each 4 lbs., complete each .....**AHJ** $3.00

A perfectly vulcanized repair in 15 minutes, on the road or anywhere, for less than one cent.

The repair gum is placed on the tube according to directions, vulcanizer is applied by simply clamping it centrally over the repair gum and tube as illustrated.

To vulcanize the repair, one ounce of gasoline is placed into the vulcanizer and ignited. ONE IN A BOX.

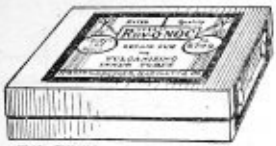
VULCANIZING THERMOMETERS.



No. 6825—For use with vulcanizers, guaranteed correct ..each **JFJ** $1.00

TIRE SUPPLIES, VALVE TOOLS AND TOP HOLDERS.

REPAIR GUM.



No. 6749 [illegible]—1 oz. rolls, unvulcanized, for repairing inner tubes, per dozen .....JIJ $1.50

There has always been a demand for small 10 cent rolls of repair material for use with roadside vulcanizers. One roll is enough for several repairs. Easy to carry, always ready. No tool kit should be without one or more of these rolls.

ONE DOZEN IN A BOX; WE DO NOT BREAK BOXES.

UNVULCANIZED GUM FOR "FILLER" IN REPAIRING TUBES.



No. 6740—½ lb. rolls, packed in cardboard cartons .....each JIJ $1.50
No. 6741—1 lb. rolls, packed in cardboard cartons .....each AGE $2.90

Due to the nature of vulcanizing materials we cannot accept for exchange or credit any of the items shown below.

CASING REPAIRS.



Unvulcanized Gum, for Repairing Casings.

No. 6742—½ lb. rolls ....each EE $0.90
No. 6743—1 lb. rolls ....each JIE 1.60

ONE IN A CARTON.

INNER TUBE REPAIRS.



A Combination of Vulcanized and Unvulcanized Gum, Ready for Use.

No. 6744—½ lb. rolls....each AAJ $1.80
No. 6745—1 lb. rolls....each BAJ 3.50

ONE IN A CARTON.

FRICTION FABRIC.



Heavy Duck with Best Friction on Both Sides, for Casing Repairs.

No. 6746—½ lb. rolls ..each JHJ $1.30
No. 6747—1 lb. rolls....each ADE 2.40

ONE IN A CARTON.

U. S. CEMENTS.



No. 6716. No. 6720

RUBBER PATCHING CEMENT.
Pure Rubber Gum.

No. 6715—1½x3 in. tubes, per dozen.....APJ $ 2.70
No. 6716—½ pint cans, per dozen.....BPJ 4.32
No. 6717—1 pint cans, per dozen.....DGE 7.92

VULCANIZING CEMENT.
For Use with Electric or Steam Vulcanizers.

No. 6719—½ pint cans, per dozen.....CJJ $ 5.04
No. 6720—1 pint cans, per dozen.....EGE 9.60
No. 6721—1 quart cans, per dozen.....AJAJ 16.80

HEAL-A-CUT.



No. 6722—2 oz. cans, per dozen .....CAE $5.28

A heavy rubber paste used for filling up cuts on the outside of auto casings. It dries quickly, leaving a smooth, hard surface.

VALVE TOOLS.



"Four In One.

No. 21-G—Genuine drop forgings in one piece with center guide reamer on one side to cut down the top of valve and smooth the damaged thread, w't per doz. 8 oz. .....per dozen BDJ $4.00



"Three In One."

No. 22-G—Genuine drop forged in one piece, carefully machined and hardened, combines screw driver for threading insides, a tap for tapping out inside and die for rethreading inside of Schrader valves, w't per doz. 8 oz. .....per dozen ADE $2.40

BAIR AUTO TOP HOLDERS.

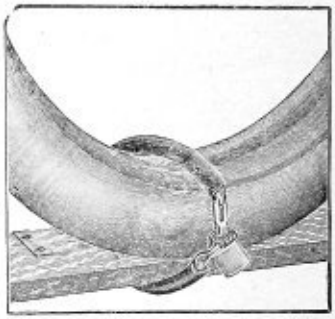


No. 6297—Bair Special Bow, Holders, black enamel, w't per pr. 4 lbs., per pair .....BAJ $3.50

Instantly adjustable to Ford cars. Only necessary to remove old equipment and attach. Save their cost in repair bills in one season.

ONE PAIR IN A BOX.

CHAIN LOCKS.



Cruso American.

Bright Steel Chain Covered with Best Grade Genuine Oil Tanned Leather, Complete with Lock.

Nos.	7200	7201	7202
Size, in.	36	42	48
W't, doz., lbs.	15	18	24
Per dozen	$16.80	19.20	21.50
	AJAJ	AAEJ	ABIJ

American chain automobile and tire locks are made of the flat link American type steel chain.

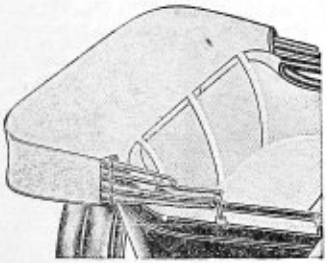
They offer many advantages over the ordinary chain lock because of the flat links, which give the chain a strap-like action, and permits of their being drawn closely around shoes and running board or through a wheel and spring or frame, making the only real protection against automobile tire thieves.

They are simple, strong, noiseless, and when not in use take up small space in the tool box.

LOOSE.

TOP HOODS, RUBBER BUMPERS, TIRE COVERS AND HOLDERS.

GORDON TOP HOODS.

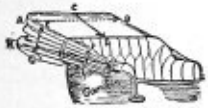


Discount C J %.

Size		Mohair	Rubber
46	in.....each	$10.70★	$5.00★
48	in.....each	11.05★	5.20★
50	in.....each	11.40★	5.40★
52	in.....each	11.80★	5.60★
54	in.....each	12.15★	5.80★
56	in.....each	12.50★	6.00★
58	in.....each	12.85★	6.20★
60	in.....each	13.20★	6.40★
62	in.....each	13.60★	6.60★
64	in.....each	13.95★	6.80★
66	in.....each	14.30★	7.00★
68	in.....each	14.65★	7.20★
70	in.....each	15.00★	7.40★
72	in.....each	15.40★	7.60★

Adjustable to different size tops. Has an elastic cord at the opening which holds the hood close to the top, preventing dust and mud from splashing in. A skirt on the hood covers the back of the rear seat and prevents dust from coming up from behind. The 56 in. hood is popular for small roadsters, the 62 in. is used on small touring cars and the 66 in. is used on large cars.

ONE IN A BOX. W'T ABOUT 20 LBS.



How to Measure for a Top Hood.

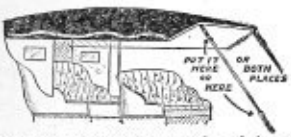
Measure across the front bow from A to B as per dotted line. This one measure is the only one necessary.

Example—If top measures 60 or 62 in. order a 62 in. hood.

Do not order top hoods by stating name of car, as machines are not always available for procuring correct measurements. Top hood orders cannot be filled unless size is stated.

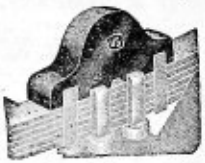
TOP STRAP SPRINGS.





No. 6174—Top spring, made of heavy spring wire with non-breakable device and spring snap buckle on one end, length 5 in., ⅝ in. diam., galvanized finish .....per dozen **BDJ** $4.00

RUBBER BUMPERS.



No. 6212—Oblong, finest grade of para rubber, provided with hole at each end, through which straps are passed, 8 in. long, 3½ in. high, 1¼ in. thick, shipping w't 2 lbs., each **JHJ** $1.30



No. 6213—Round rubber axle bumper, finest grade para rubber in cylindrical form, provided with central hole through which straps may be passed for attaching to the axle or springs, 1½x3½ in., shipping w't 1 lb., each .....**DB** $0.70

TIRE COVERS.



No. 6772—Gordon Easy On tire cover, all sizes, black.....each **AGJ** $2.80

No. 6773—Gordon Easy On tire cover for demountable rims, each .....**AGJ** $2.80

The "Easy On" covers are cut and shaped to fit the tire perfectly. The only fastening necessary is at the ends which overlap and are fastened with buttons and easily put on. The use of several buttons allows considerable adjustment, will fit perfectly any and all makes of tires.

Specify size of tire when ordering.

No. 7125—30x3 in. black cover, w't each 1½ lbs.....each **JIE** $1.60

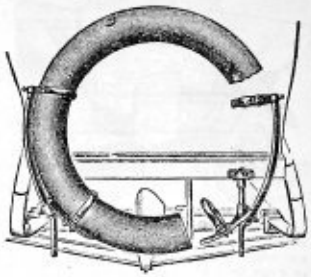
No. 7126—30x3½ in., otherwise same as No. 7125.....each **JIE** $1.60

This cover overlaps the circumference of the tire and is held smooth and perfect fitting with buttons.

ONE IN A BOX.

★*FOR FACTORY SHIPMENT ONLY.*

REAR TIRE HOLDERS.

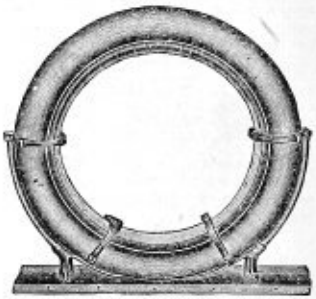


No. 6008—Rubber finish, per set .....**CDJ** $5.64

No. 6009—Rubber finish, for demountable rims.....per set **DCJ** $7.26

These tire holders are made from the best grade of malleable iron and finished in a beautiful rubber finish. They can be attached to the rear cross member of any touring car or roadster and are adjustable to height, holding the casings in a vertical position. Will accommodate either one or two casings. Will fit any size of tire by placing brackets the required distance apart. Set complete with straps and bolts.

RUNNING BOARD FOUR DOOR TIRE HOLDERS.



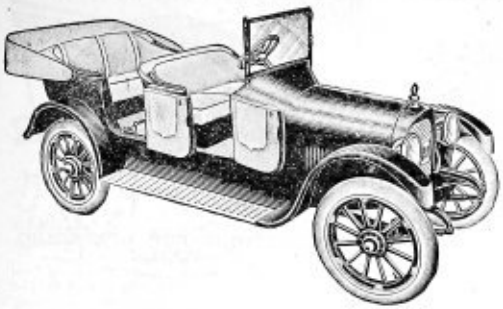
No. 6010—Brackets, rubber finish, per set complete .....**DBJ** $2.50

No. 6011—Brackets, rubber finish, for demountable rims, per set complete.....**CFJ** $6.00

These brackets are made in two sizes, for casings only and also Demountable Rim Holders. They are bolted to running board which carries the whole weight and are independent of the body of the car. They are very easily attached to car. Be careful to get them the right distance apart before boring holes in running board. To get the right radius, bend the long point at lower end of holder, either up or down, as required, so that the tire will rest on the four clamps on sides. The malleable castings are made thin and very soft to permit such bending. They are finished in a dull black known as "rubber finish" and are very durable. Sets complete.

SEAT COVERS.

BJ%



Seat covers add greatly to the appearance of a car and prevent wraps and clothing from becoming dirty and greasy from the leather, comfortable in warm weather as they do not get as hot as leather cushion and the accumulation of dirt around the buttons and tufting does not rub off. Can be cleaned in a few minutes.

Made of a double texture, waterproof material, tan color, arm rests English grain patent leather finish with binding to match, complete with highest grade button fastenings, with screw stud posts which should be screwed into the frame of seat backs. Covers are quickly buttoned on, and can be quickly removed and cleaned. Glove fasteners also furnished for attaching seat covers—Glove fasteners are screwed in with an ordinary screw driver. Guaranteed to fit perfectly smooth and without a wrinkle.

When ordering, give name and model of car, also year.

Buick "29" 5-p	1912	$24.00
Buick "25" 5-p	1913	20.00
Buick "31" 5-p	1913	24.00
Buick "40" 5-p	1913	26.00
Buick "24" 2-p	1913	12.00
Buick "30" 2-p	1913	13.25
Buick "B25" 5-p	1914	15.50
Buick "B37" 5-p	1914	17.00
Buick "B55" 5-p	1914	22.00
Buick "B24" 2-p	1914	8.00
Buick "B36" 2-p	1914	9.00
Buick "C25" 5-p	1915	15.00
Buick "C37" 5-p	1915	16.00
Buick "C24" 2-p	1915	8.00
Buick "C36" 2-p	1915	9.00
Buick "C55" 7-p	1915	20.00
Cadillac 4-p Torpedo	1912	26.00
Cadillac 5-p T. C.	1912	26.00
Cadillac 4-p Torpedo	1913	26.00
Cadillac 5-p T. C.	1913	26.00
Cadillac 6-p T. C.	1913	30.00
Cadillac 5-p T. C.	1914	24.00
Cadillac 7-p T. C.	1914	28.00
Cadillac 5-p T. C.	1915	20.00
Cadillac 7-p T. C.	1915	24.00
Case 25 H. P. 5-p	1914	20.00
Case 35 H. P. 5-p	1914	22.00
Case 40 H. P. 5-p	1914	26.00
Case "25" 5-p	1915	18.00
Case "35" 5-p	1915	20.00
Case "40" 5-p	1915	24.00
Chalmers Roadster 2-p	1913	14.00
Chalmers "36" 4-p Tor	1913	26.00
Chalmers "36" 5-p T. C.	1913	26.00
Chalmers "36" 7-p T. C.	1913	30.00
Chalmers "Six" 4-p Tor	1913	26.00
Chalmers "Six" 5-p T. C.	1913	26.00
Chalmers "Six" 7-p T. C.	1913	30.00
Chalmers "36" Mod 19 4-p	1914	24.00
Chalmers "36" Mod 19 5-p	1914	24.00
Chalmers "6" Mod 24 4-p	1914	24.00
Chalmers "6" Mod 24 5-p	1914	24.00
Chalmers "6" Mod 24 6-p	1914	28.00
Chalmers "6" Mod 26 5-p	1914	24.00
Chalmers "6" Mod 26B 6-p	1915	22.00
Chalmers "29" 4-p	1915	20.00
Chalmers "29" 5-p	1915	20.00
Chalmers "29" 7-p	1915	24.00
Chalmers	1915	20.00
Chandler Lit. 6, Mod 15	1914	26.00
Chandler Lit. 6, Mod 14	1914	26.00
Chandler Lit. 6, 5-p	1915	24.00
Chevrolet "H-4" 5-p	1914	22.00
Chevrolet "H-2" 2-p	1914	12.00
Chevrolet "6" Mod L. 5-p	1914	26.00
Chevrolet "H-2" 2-p	1915	10.00
Chevrolet "H-4" 5-p	1915	18.00
Chevrolet "6" Mod L. 5-p	1915	22.00
Chevrolet "490" 5-p	1915	15.00
Cole "40T" 5-p T. C.	1913	26.00
Cole "50T" 7-p T. C.	1913	30.00
Cole "60T" 7-p T. C.	1913	$30.00
Cole "60C" 7-p T. C.	1914	30.00
Cole Big 10—6-G 7-p T. C.	1915	26.00
Cole Lit. 10—6-G 5-p T. C.	1915	22.00
Cole "10-4" 5-p T. C.	1915	22.00
Dodge 5-p	1915	15.00
Dodge 2-p	1915	8.00
Empire "31" 5-p	1913	20.00
Empire "31" 5-p	1914	20.00
Empire "31" 5-p	1915	17.50
Ford Touring Car	1911	12.00
Ford Touring Car	1912	12.00
Ford Touring Car	1913	11.00
Ford Touring Car	1914	9.70
Ford Touring Car	1915	9.70
Ford Runabout	1912	7.00
Ford Runabout	1913	7.00
Ford Runabout	1914	5.70
Ford Runabout	1915	5.70
Hudson "33" 5-p T. C.	1912	26.00
Hudson "37" 5-p T. C.	1913	26.00
Hudson "37" 5-p Tor	1913	26.00
Hudson "37" 5-p Phaet	1913	26.00
Hudson "54" 5-p T. C.	1913	26.00
Hudson "54 5-p Tor	1913	26.00
Hudson "54" 5-p Phaet	1913	26.00
Hudson "54" 7-p T. C.	1913	30.00
Hudson "54" 7-p T. C.	1914	30.00
Hudson "6-40" 5-p	1914	24.00
Hudson "6-40" 6-p T. C.	1914	28.00
Hudson "6-40" 2-p	1914	14.00
Hudson "6-40" 2-p Tor	1915	12.00
Hudson "6-54" 7-p	1915	26.00
Hudson "6-40" 6-p T. C.	1915	24.00
Hupmobile "32" 5-p	1913	16.00
Hupmobile "32" 6-p	1913	20.00
Hupmobile "32" 2-p	1913	8.76
Hupmobile "32" 5-p	1914	16.50
Hupmobile "32" 6-p	1914	22.00
Hupmobile "32" 2-p	1914	9.00
Hupmobile "32" 5-p	1915	16.50
Hupmobile Mod K 5-p	1915	16.50
Hupmobile Mod K 2-p	1915	9.00
Maxwell Spec. 36 H. P. 5-p	1912	26.00
Maxwell "35" 5-p	1914	20.00
Maxwell "25" 5-p	1914	17.00
Maxwell "6-50" 7-p	1914	30.00
Maxwell "25" 5-p	1915	14.50
Mitchell 4-cyl. 5-p	1911	26.00
Mitchell 4-cyl. 5-p	1913	26.00
Mitchell "Lit. 6" 5-p	1913	26.00
Mitchell "Big 6" 5-p	1913	26.00
Mitchell 4-cyl. 5-p	1914	26.00
Mitchell "Lit. 6" 5-p	1914	26.00
Mitchell "Lit. 6" 6-p	1914	30.00
Mitchell "Big 6" 5-p	1914	26.00
Mitchell B-2-35 2-p	1915	12.00
Mitchell B-5-35 5-p	1915	18.00
Mitchell B-5-45 5-p	1915	20.00
Mitchell B-6-45 6-p	1915	24.00
Mitchell B-6-35 6-p	1915	$24.00
Overland 61T, 61F, 5-p	1912	24.00
Overland 59T, 5-p	1912	22.00
Overland 59R 2-p	1912	10.00
Overland 69T. C., 69F, 69T	1913	22.00
Overland 71T, 71F 5-p	1913	24.00
Overland "69" R 2-p	1913	10.00
Overland "79" R 2-p	1914	9.50
Overland "79T" 5-p	1914	16.50
Overland "80T" 5-p	1915	15.50
Overland "81" 5-p	1915	14.50
Overland "81" 2-p	1915	8.00
Overland "82" 7-p	1915	20.00
Paige "25" 5-p	1913	22.00
Paige "36" 5-p	1913	26.00
Paige "25" 5-p	1914	20.00
Paige "36" 5-p	1914	22.00
Paige "25" 2-p	1914	10.00
Paige "36" 5-p	1915	20.00
Paige "25" 5-p	1915	18.00
Paige "30" 5-p	1915	18.00
Paige "46" 7-p	1915	24.00
Regal Mod T 5-p	1913	24.00
Regal Mod T 5-p	1914	22.00
Regal Mod C 5-p	1914	24.00
Regal Mod D 5-p	1915	18.00
Regal Mod N 2-p	1913	10.00
Regal Mod N 2-p	1914	10.00
Reo Touring Car	1913	24.00
Reo Touring Car	1914	22.00
Reo Touring Car 4-cyl. 5-p	1915	18.00
Reo 2-p	1914	12.00
Reo "M" 6-cyl. 5-p	1915	20.00
R. C. H. 5-p	1912	24.00
R. C. H. 5-p	1913	24.00
R. C. H. Runabout	1912	14.00
R. C. H. Runabout	1913	14.00
Saxon 2-p	1914	7.50
Saxon 2-p "A"	1915	7.50
Saxon "B" 6-cyl. 5-p	1915	17.50
Studebaker "20"—Flanders 20	1912	20.00
Studebaker "30" E. M. F. 30	1912	22.00
Studebaker "25" 5-p	1913	20.00
Studebaker "35" 6-p	1913	24.00
Studebaker "6" 6-p	1913	24.00
Studebaker "25" 2-p	1913	10.00
Studebaker "4" 5-p	1914	17.50
Studebaker "6" 6-p	1914	22.00
Studebaker "25" 2-p	1914	10.00
Studebaker "4" 5-p	1915	14.50
Studebaker "4" 2-p	1915	10.00
Studebaker "6" 5-p	1915	16.00
Studebaker "6" 7-p	1915	18.50
Velie Mod 9 "4-45" 4-p	1914	26.00
Velie Mod 9 "4-45" 5-p	1914	26.00
Velie Mod 10 "6-50" 4-p	1914	26.00
Velie Mod 10 "6-50" 5-p	1914	26.00
Velie "Mod 12" 4-cyl. 5-p	1915	22.00
Velie "Mod 14" 6-cyl. 5-p	1915	22.00
Velie "Mod 15" 6-cyl. 5-p	1915	22.00

Top Slip Covers to match seat covers for any car★ ..... each **BCE** $3.50
Piece to cover back of front seat, with pocket, to match seat covers★ ..... each **ABJ** 1.50

NON-SKID DEVICES.

WEED'S CHAIN TIRE GRIPS.



Discount AJ%.

Do Not Slip, Slide or Skid.

Size.	Per Pair.	Size.	Per Pair.
28x2½ in.	$3.50	35x5 in.	$9.00
28x3 in.	4.00	36x3 in.	6.00
28x3½ in.	4.50	36x3½ in.	6.50
30x2½ in.	3.75	36x4 in.	7.50
30x3 in.	4.50	36x4½ in.	8.00
30x3½ in.	5.00	36x5 in.	9.00
30x4 in.	5.50	36x5½ in.	12.00
30x4½ in.	6.50	37x4 in.	8.00
31x4 in.	6.00	37x4½ in.	8.75
32x3 in.	5.00	37x5 in.	9.75
32x3½ in.	5.50	37x5½ in.	13.00
32x4 in.	6.00	38x4½ in.	9.50
32x4½ in.	7.00	38x5 in.	10.50
33x4 in.	6.50	38x5½ in.	14.00
34x3 in.	5.50	38x6 in.	14.00
34x3½ in.	6.00	39x5 in.	11.25
34x4 in.	7.00	40x4 in.	10.00
34x4½ in.	7.50	40x4½ in.	11.00
34x5 in.	8.50	40x5 in.	12.00
35x4 in.	7.50	40x6 in.	15.00
35x4½ in.	8.00	42x4½ in.	12.50

WEED'S CROSS CHAINS.

Discount AJ%.



For Repairing Tire Grips.

	Each.
For 2½ in. tire	$0.05
For 3 in. tire	.06
For 3½ in. tire	.08
For 4 in. tire	.09
For 4½ in. tire	.10
For 5 in. tire	.12
For 5½ in. tire	.15
For 6 in. tire	.18

The connecting hooks are furnished on each cross chain.

WEED'S AUTOMATIC ADJUSTERS.



Discount AJ%.

No. 6207—For use on Weed's chain tire grips, 28, 30, 32, 34, 36 in., per pair $1.00

No. 6208—Sizes 37, 38, 40 and 42 in., per pair $1.50

Simple in construction and easily attached. Prevents grips from striking platform, and also from rubbing against mud guards. Specify size of tires.

TIRE CHAINS.

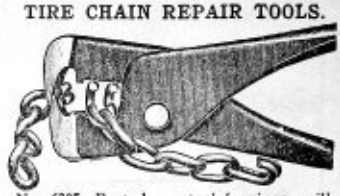
Weed's Rid-O-Skid.

Discount AJ%.

Size.	Per Pair.	Size.	Per Pair.
28x2½ in.	$1.95	34x4½ in.	$3.40
28x3 in.	2.40	35x4½ in.	3.50
30x3 in.	2.50	36x4½ in.	3.60
32x3 in.	2.60	37x4½ in.	3.75
30x3½ in.	2.65	38x4½ in.	3.90
32x3½ in.	2.80	40x4½ in.	4.25
34x3½ in.	2.95	42x4½ in.	4.50
36x3½ in.	3.10	36x5 in.	4.50
30x4 in.	2.80	37x5 in.	4.70
31x4 in.	2.90	38x5 in.	4.90
32x4 in.	3.00	39x5 in.	5.10
33x4 in.	3.10	40x5 in.	5.25
34x4 in.	3.20	36x5½ in.	5.20
35x4 in.	3.30	37x5½ in.	5.40
36x4 in.	3.40	38x5½ in.	5.60
37x4 in.	3.50	38x6 in.	6.50
40x4 in.	4.00	40x6 in.	6.75

A new grip with Weed quality behind it, made to meet popular price demands. It isn't the chain that the regular Weed Grip is, but in its simple construction gives equal safety from skidding dangers. Every motor car owner realizes the importance of chains in automobile equipment and "Rid-O-Skids" will satisfy this need in an inexpensive way. Protected by Weed Patents.

TIRE CHAIN REPAIR TOOLS.



No. 6205—Best drop steel forgings, nilled accurately, fitted and tempered to withstand the roughest use, each ..... AEJ $2.50

DIRECTIONS FOR OPERATING TOOL.

To open the hooks, place points of tool on each side of the link as shown in the above cut and press together. To close hook, place between jaws of tool at extreme points of the hook and close together.

End of jaws (see cut above) show method of opening hooks. Inside of jaws show method of closing hooks. With the tool a repair can be made in a few seconds. A broken cross chain removed and a new one inserted in less than one minute, while the chain is on the wheel.

EMERGENCY MUD HOOKS.



No. 6200—Malleable iron, fits 3 and 3½ in. tire, with straps, w't per pr. 5 lbs., per pair ..... BAJ $3.50

No. 6201—Malleable iron, fits 4 and 4½ in. tire, with straps, w't per pr. 5 lbs., per pair ..... BAJ $3.50

No. 6202—Malleable iron, fits 5, 5½ and 6 in. tires, with straps, w't per pr. 5 lbs. ..... per pair BAJ $3.50

One on each wheel will get an automobile out of the mud, sand or snow, when everything else fails. They can be put on when the wheel is in deep mud, but chains cannot, but will dig you in deeper. When the automobile is out, they can be taken off. Chains can be dispensed with if a set or two of these are carried. For long stretches of mud or deep sand, two or three sets can be used to good advantage. Every tourist should carry a set. Should the projecting lug in any case be too long, it can easily be filed or cut off with a hack saw.

WEED'S CHAINS FOR SOLID TIRES.

Discount AJ%.

These chains are made up especially strong in every particular to meet the requirements of heavy truck service.

For Single Solid Tires.

Size.	Per Pair.	Size.	Per Pair.
32x3 in.	$6.00	34x4½ in.	$10.50
34x3 in.	6.50	36x4½ in.	11.50
36x3 in.	7.00	38x4½ in.	12.50
34x3½ in.	8.50	34x5 in.	12.50
36x3½ in.	9.50	36x5 in.	13.50
38x3½ in.	10.00	38x5 in.	14.50
34x4 in.	10.00	40x5 in.	15.50
36x4 in.	11.00	36x6 in.	14.00
38x4 in.	12.00	38x6 in.	15.00
40x4 in.	13.00	40x6 in.	16.00
42x4 in.	14.00	42x6 in.	17.00

For Dual Solid Tires.

Size.	Per Pair.	Size.	Per Pair.
36x3 in.	$12.50	40x4½ in.	$18.50
38x3 in.	13.50	34x5 in.	16.00
36x3½ in.	15.00	36x5 in.	17.00
38x3½ in.	16.00	38x5 in.	18.00
40x3½ in.	17.00	40x5 in.	19.00
34x4 in.	15.00	42x5 in.	20.00
36x4 in.	16.00	40x6 in.	21.00
38x4 in.	17.00	42x6 in.	22.00
34x4½ in.	15.50	40x7 in.	23.00
36x4½ in.	16.50	42x7 in.	24.00
38x4½ in.	17.50		

Cross Chains, Made of Special Stock.

For Single Solid Tires. Size.	Per 100.	For Dual Solid Tires. Size.	Per 100.
3 in.	$9.00	3 in.	$25.00
3½ in.	15.00	3½ in.	28.00
4 in.	19.00	4 in.	30.00
4½ in.	21.00	4½ in.	33.00
5 in.	24.00	5 in.	35.00
6 in.	27.00	6 in.	38.00
		7 in.	40.00

NOTICE—If the clearance between rim and drive chain is less than 1½ inches on large sizes, or 1 inch on small sizes, our Lyon Grips for Solid Tires should be used.

AUTOMOBILE ACCESSORIES.

WEED PLIERS.



No. 6204—Steel, length 7½ in., for opening and closing the circular hooks on Weed Cross Chains, w't per doz. 10 lbs. per dozen .....**EJE** $8.40

ONE IN A PAPER CARTON.

TIRE IRONS.



No. 6020—Drop forged, aluminum finish, each .....**AH** $0.30

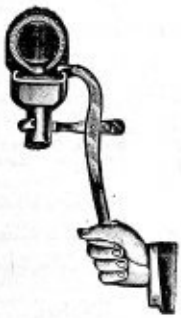
Used for removing or adjusting tires.



No. 6021—Drop forged, aluminum finish, each .....**AH** $0.30

A useful iron, very handy type.

RELEASING TIRE TOOLS.



No. 6023—Length 13½ in., w't each 1¼ lbs., malleable iron, adjustable and painted with aluminum bronze, each .....**CE** $0.60

The purpose of this tool is to release from the rims tires which have been on so long that they have become fairly set in the rims.

AUTO TOW ROPES



Simplest, Strongest, Easiest Adjusted, and Best Tow Rope on the Market.

No. 6206—25 ft. long, ¾ in. best quality Columbia Marine Manila rope, w't 2½ lbs., complete ....each **AFJ** $2.70

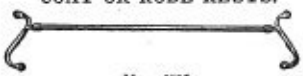
Has breaking strain of over 5,000 lbs. Each rope is fitted on both ends with a special buckle that is instantly adjusted and will not slip or loosen. Buckle adjusted back of end of rope so it will not mar the axle of the car. Buckle can be adjusted to any length desired.

FOLDING ROBE RAILS.

No. 6004—Steel rod rail, heavily japanned, 32 in. long, folding brackets, for metal bodies, w't 3 lbs., each .....**EE** $0.90

This rail adapted particularly for Ford cars.

COAT OR ROBE RESTS.



No. 6005.



No. 6006.

Polished Brass, Strongly Made.
No. 6005.....each **JIJ** $1.50
No. 6006.....each **JIJ** 1.50

The above rails are a necessity for every tonneau, whether a light or heavy touring car. Made with one end loose so rail can be cut to any desired length.

FOOT RAILS OR RESTS.



No. 6002—Polished brass, each .....**AEJ** $2.50

Foot rails are a necessity in tonneaus, to enable the occupants to keep themselves in a comfortable position.

FOOT PEDALS.



No. 6028. No. 6029.

No. 6028—Locking foot pedal for cut-outs, exhausts, horns, etc., malleable iron, japan finish, w't per doz. 3 lbs., per dozen .....**BGJ** $4.50

No. 6029—Locking and kick-releasing cut-out pedal, malleable iron, japan finish, w't per doz. 3 lbs., per dozen .....**BGJ** $4.50

A neat, strong and serviceable pedal.

See kindred on page.

"PRESTO" CARBON REMOVER.



No. 6930—Capacity 1 qt., per can .....**JHE** $1.40

"Presto" carbon remover quickly and easily removes all deposits of carbon from cylinders, piston rings and valves, producing more power and speed and eliminating all troubles caused by the presence of carbon deposits within the motor. It is easily applied and is equally effective for motor boats, marine motors or engines. Will not do any harm to the engine.

"ICY-HOT" BOTTLES, KITS, AND REFRIGERATOR BASKETS.

Keeps Contents Hot 24 Hours in Winter—Keeps Contents Cold 3 Days in Summer—Without the Aid of Chemicals.

The "Icy-Hot" is a bottle within a bottle with a vacuum between. The vacuum is a non-conductor of heat and cold and prevents the liquid put into the bottle from changing temperature. The cold or heat of contents cannot reach the outside air and the heat or cold of the outside air cannot reach the contents. The glass vacuum bottle is placed inside an ornamental metal casing, surmounted by a drinking cup, which also holds the cork in place. The more expensive "Icy-Hot" products are very highly nickel plated and are finished like the highest grade silverware. Some are leather covered. Being made of glass, the bottles are absolutely sanitary and are easily cleaned. Between the inner and outer walls of the glass vacuum bottle elastic insulating supports are inserted to steady and strengthen all "Icy-Hot" products.

EVERY BOTTLE TESTED AT THE FACTORY BEFORE SHIPPING. MUST KEEP WATER STEAMING HOT FOR 42 HOURS, REGARDLESS OF OUTSIDE TEMPERATURE.



TOURIST PATTERN, Demountable, Medium Weight, Nickel Plated Case of Superior Finish. The Glass Filler Held in Place by a Heavy Rubber Ring at the Neck and an Ingenious Spring Device at the Base Can be Instantly Removed by the User for Sterilizing or for Replacing in Case of Breakage. Filler Cushioned to Lessen Danger of Breaking from Sudden Jars or Jolts.

No. 44-G—"Icy-Hot," Tourist, 1 pt., nickel plated casing, each .....**BAE** $3.50

No. 88-G—"Icy-Hot," Tourist, 1 qt., nickel plated casing, each .....**BIE** $4.90



No. 44-G. Extra Fillers, Tipped in Center. No. 60-G.

No. 45-G—Pint size, for repairing No. 44-G bottles only, each .....**AJE** $1.76

No. 85-G—Quart size, for repairing No. 88-G bottles only, each .....**AIJ** $3.16

No. 60-G—"Icy-Hot," Mechanic, 1 pt., metal case enameled in blue.....each **JHE** $1.40

No. 100-G—"Icy-Hot," Mechanic, 1 qt., enameled in red, otherwise same as No. 60-G.....each **AGE** $2.80

CARRYING CASES FOR ICY-HOT BOTTLES.



Black Pegamoid—imitation leather—Gun Metal Finish, Lined with Red Flannel.

No. 050-G—Single pint, holds one pt. bottle, each **AAJ** $1.80

No. 052-G—Twin pint, holds two pt. bottles....each **AFJ** $2.70

No. 051-G—Single quart, holds one qt. bottle, each **ACJ** $2.20

No. 054-G—Twin quart, holds two qt. bottles, each **BJJ** $3.20

Extra Fine Quality Russet Leather, Lined with Green Velvet.

No. 1050-G—Twin pint, holds two pt. bottles, each **CDJ** $5.66

No. 1120-G—Single quart, holds one qt. bottle, each **BIJ** $4.80

No. 1130-G—Twin quart, holds two qt. bottles, each **DDJ** $7.34

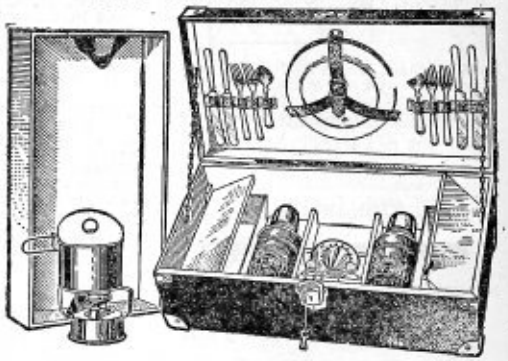
PRICES DO NOT INCLUDE BOTTLES.

SPORTSMEN'S KITS.



No. 3200-G—Sportsmen's Kit, consists of one No. 43-D "Icy-Hot" pint bottle with green enamel jacket artistically decorated, with nickel plated cup and drinking cup, and one finely nickel plated lunch box, put up in a square wooden frame case covered with black seal grain leatherette, nickel plated trimmed and beautifully lined, w't 3½ lbs.....each **BDJ** $4.00

"AUTO COMFORT" LUNCH KITS.



No. 6250—W't 18 lbs.....per outfit **AFBJ** $27.00

Outfit consists of—

4 Nickel Plated Knives.
4 Nickel Plated Forks.
4 Nickel Plated Spoons.
4—8 in. Sanitary White Enameled Plates.
4—½ pt. Sanitary White Enameled Cups.
1 Large Nickeled Tin Sandwich Box.
1 Large Nickeled Tin Cake Box.
1 Pepper and Salt, Aluminum.
1 Aluminum Lemon Juicer.
2—1 pt. "Icy-Hot" Vacuum Bottles.
1 Knockdown Alcohol Stove and Tin Boiler.
1 Large Empty Tray for Extra Supplies.

The "Auto Comfort" lunch kit is packed in a neat brass trimmed trunk shaped box, 8 in. high, 12 in. wide, 20 in. long, with hasp and lock on front and large handle on cover. This outfit fills a long felt want by tourists, campers and travelers, giving you in a neat compact manner, all the necessities for an enjoyable lunch. Every article in this kit has been selected with great care. It is without question the most complete, most compact lunch kit on the market today.

REFRIGERATOR BASKETS.



No. 40-G—Hawkeye, 14x9x7 in., rattan, metal lined with layer of asbestos and felt between, ice compartment at one end which is easily removed, lid made same as body of basket, heavy felt being piped all around the edges making it air tight when straps are fastened, lining is rust proof, top and handles polished, w't per doz. 96 lbs., per dozen **DFHJ** $78.00

No. 41-G—18x10x8 in., w't per doz. 108 lbs., otherwise same as No. 40.....per dozen **EDJJ** $90.00

No. 42-G—20x13x10 in., w't per doz. 120 lbs., otherwise same as No. 40.....per dozen **JFABJ** $102.00

GOGGLES AND GLOVES.

GOGGLES.



No. C50-G—Universal, rust proof white metal, riding bow temples, high grade amber lenses, 1⅞ in. diameter, per dozen .....**DBJ** $7.00
ONE PAIR IN A HINGED COVERED BOX.



No. C21-G—Zyblex, fine quality imitation tortoise shell frame, high grade amber lenses, gilt alloy cable riding temples .....per dozen **JFCJ** $10.50
For all sports where the eyes need protection from the wind and glare.
ONE PAIR IN A NEAT BOX.



No. C1-G—Zyblex, fine quality imitation tortoise shell frame, high grade 1⅞ in. amber lenses, soft leather sides, gilt alloy cable riding bow temples, made to fit any face, per doz. **JIJJ** $15.00
Can be worn over other glasses. For motoring, boating, fishing and golfing.
ONE PAIR IN A NEAT CLOTH COVERED STEEL CASE.



No. 10-G—All rubber, red, reinforced at ends and center, ventilated, non-strain curved white lenses, adjustable elastic band....per dozen **EDJ** $9.00



No. 9-G—Collapsible Stockinette eye cups, chenille bound, leather bridge, flat lenses, large size, without a peer for driving purposes, fitting the contour of the face perfectly,
per dozen .....**JFEJ** $10.86

GOGGLES.



No. 6-G—Aluminum eye cups, ventilated leather center to fold, kid lined, silk and chenille bound, adjustable elastic band.....per dozen **DEE** $7.56



No. 8-G—Collapsible eye cups, made of genuine leather, unlined, bound with silk, flat oval lenses, adjustable elastic band, best adapted for wear in hot weather as it is light and does not heat or irritate the face,
per dozen .....**EAJ** $8.52



No. 15-G—Collapsible silk eye cups, large curved, kidney shaped lenses, chenille bound, adjustable elastic band, particularly adapted to be worn over regular eye glasses where necessary, no better goggle obtainable at any price....per dozen **JGFE** $12.76

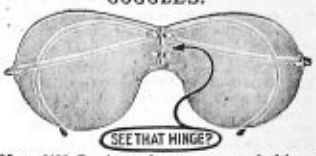


No. 16-G—Collapsible silk eye cups, chenille bound, extra heavy leather bridge, extra large, curved lenses, giving an extensive view, adjustable elastic band..per dozen **AEJJ** $25.02
ONE PAIR IN ATTRACTIVE CARDBOARD BOX.



No. 700-G—Albex, silver plated frames, flexible cable riding bow, amber lenses, fine quality, ground and polished.....per dozen **AFBJ** $27.00
EACH PAIR PACKED IN A HANDSOME SEAL GRAIN CASE.

GOGGLES.

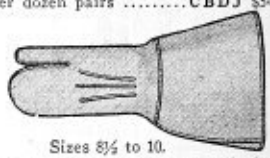


No. 6480-G—Autoglass, patented hinge center made to conform to the face and nose, gold filled temples, covered with rubber tubing, may be procured either with lenses without focus, to be used as protector only, or with correction ground, as in regular spectacles or eyeglasses, thus doing away with the necessity of wearing other glasses, complete in pocket case.....per dozen **EGFJ** $96.00
No. 6481-G—Autoglass, with smoked lenses, otherwise same as No. 6480-G, per dozen .....**JHFDJ** $144.00

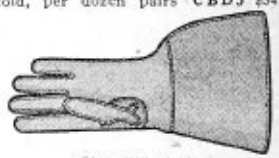
REVONOC GLOVES.



Sizes 8½ to 10.
No. 6826—Durable unlined Kassan leather glove, with Milwaukee cuff, made of assorted stock, narrow gore, patent thumb and wrist strap,
per dozen pairs .....**CBDJ** $54.00



Sizes 8½ to 10.
No. 6827—One fingered mitt, of plump horse hide stock, with special leather lined cuff and narrow gore, it contains a heavy durable lining, which gives warmth to the hand and keeps the fingers from getting stiff and cold, per dozen pairs **CBDJ** $54.00



Sizes 7½ to 10.
No. 6828—Made of fine pliable Southern grained leather in half outseam, and has a large spacious and specially prepared New Zealand cuff, with no gore, it likewise features the patent rip proof thumb,
per dozen pairs .....**BEBJ** $42.00
No. 6829—Sizes 8½ to 10, consists of same qualities as No. 6830, but is made of fine Mexican goat skin and has a leather lined Milwaukee cuff,
per dozen pairs .....**BAFJ** $36.00
No. 6830—Sizes 8½ to 10, black cape stock, canvas lined Milwaukee cuff, with narrow gore, also patent rip proof thumb, made in half outseam and very serviceable as auto and motorcycle glove,
per dozen pairs .....**AIBJ** $32.00

AUTOMOBILE ROBES, RUGS AND WASH APRONS

AUTOMOBILE ROBES.

No. 4971-G—Green plush, heavy rubber back, size 54x72 in., w't 8 lbs., each .....**DEJ** $7.60

No. 4978-G—Double plush, green face, black back, size 54x72 in., w't 8 lbs., each .....**DHE** $8.20

No. 4979-G—Size 54x84 in., otherwise same as No. 4978-H, each **EHJ** $9.70

No. 4980-G—Single plush, extra heavy double warp, light and dark brown shaded face, black back, 60x72 in., w't 8½ lbs. .....each **EGJ** $9.50

No. 4975-G—Double plush, two-tone brown face, rubber interlined, black back, 50x60 in., w't 8½ lbs., each .....**EGJ** $9.50



No. 3595-G—Heavy rubber drill face, blue kersey lined, leather soled shoes, w't 6½ lbs...each **EIJ** $9.80

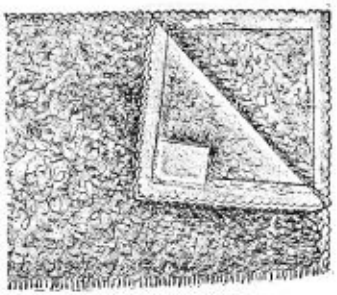
No. 3596-G—Extra quality heavy rubber face, green plush lined, leather shoes, w't 8 lbs. .....each **JGGJ** $12.80

No. 3597-G—"Combination Robe," fine black plush velour face, lined with same material, rubber interlined, lined, leather shoes, w't 9½ lbs., each ..... **AJHJ** $18.00

No. 3598G—Extra quality brown corduroy face, black plush lined, leather shoes, w't 8 lbs., each.....**JIJJ** $15.00

The Spring belt in the above robes is made of fine tempered steel and applied to the upper edge of robe and made to shape itself to the body and hold the robe firmly in place. The divided foot pockets or "shoes" are adapted for use in automobiles, the separation enabling the operator to reach any two pedals at the same time. The feet are thus in separate partitions and completely covered all around, the robe falling together at the back when the spring belt is closed around the body.

ROBES.



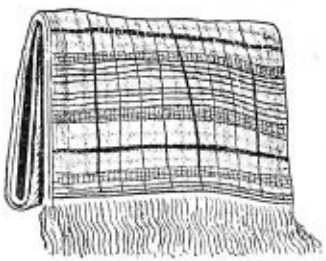
No. 4245-G—"Hib-Spe-Bar," extra quality brown imitation buffalo face, black astrakan back, 54x72 in., w't 11 lbs. ..... each **JIJJ** $15.00

No. 4246-G—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, black astrakan back, 54x52 in., w't 8½ lbs. ..... each **JGHJ** $13.00

No. 4247-G—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, 9½ lbs. ..... each **JIJJ** $15.00

No. 4248-G—Extra fine quality, tobacco brown ground, blending into dark striped imitation buffalo face, black astrakan back, 54x72 in., w't 10½ lbs. ..... each **AJBJ** $17.00

AUTOMOBILE RUGS.



Fine Mixed Wool.

No. 4513-G—Red ground, fancy green, navy blue and white plaid, heavy fringed ends, size 60x80 in., w't 4 lbs., each ..... **EDJ** $9.00

No. 4533-G—Navy blue ground, white and red plaid, heavy fringed ends, size 60x80 in., w't 4 lbs., each ..... **JFFJ** $11.00

Fine All Wool.

No. 4527-G—Dark brown, ground, green and crimson plaid face, brown and white striped back, heavy fringed ends, 60x80 in., w't 5 lbs., each ..... **AJBJ** $17.00

No. 4528-G—Navy blue ground, red and green plaid face, plain navy blue back, heavy fringed ends, 60x70 in., w't 5 lbs., each .... **AJBJ** $17.00

WASH APRONS.



No. 6835—Rubber cloth...each **JIJ** $1.50

Useful for many purposes, while repairing car on the road, cleaning machine, etc. Made of superior quality rubber cloth. Will be found a most useful article by automobilists.

No. 6836—Medium weight, heavily rubber coated, w't each, 2 lbs., each .....**AHJ** $3.00

Durable and serviceable, indispensable in a garage or wash room.

There is no better advertisement than a satisfied customer.

GVB goods never fail to please the most discriminating.

WEIGHTS OF ROBES GIVEN ON THIS PAGE ARE APPROXIMATELY CORRECT.

AUTOMOBILE ACCESSORIES.

REVONOC AUTOMOBILE RAINCOATS.



No. 2007-G REVONOC.

Seams Sewed, Strapped and Cemented, Horn Buttons in Fish Eye Style.

No. 2002 REVONOC—Sizes 36, 38, 40, 42, 44, 46, twill cloth, medium weight, olive tan color, strong double texture, plaid lined, close fitting military collar, venilating air holes at armpits, w't each 2¼ lbs. .....each **EDJ** $9.00

Tabs on sleeves and collar and at bottom of coat, insure a snug fit on stormy days.

No. 2004 REVONOC—Sizes 36, 38, 40, 42, 44, 46, wool cashmere, tan colored, double texture, very attractive plaid lining, tab on sleeves and collar and a tab at bottom of skirt to prevent wrapping about the legs on windy days, arm ventilators, w't each 4¾ lbs., each ..... **JHFE** $14.40

No. 2005 REVONOC—Sizes 34, 36, 38, 40, 42, 44, 46, fine grade wool cashmere, double textured, tan colored, lined with the same material as outer surface, close fitting military collar, sleeves, collar and skirt fitted with tabs, under arm ventilators, w't each 3½ lbs. ..... **AJEJ** $17.50

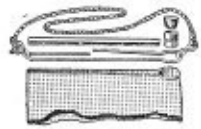
No. 2007 REVONOC—Sizes 36, 38, 40, 42, 44, 46, gray worsted cloth, silk pongee lining of harmonizing color, convertible collar with storm tab, belted back, patch pockets and cuffed sleeves, arm ventilators, w't each 3¼ lbs., each ..... **ACEJ** $22.50

This is our fashion number and is used by many as a Fall top coat.

Lengths range from 47 to 50 inches, according to the size of the coat.

AUTO WATER BAGS.





Nos.	17-G	18-G
Dimensions, in.	9x12	15x12
Capacity, gal.	1	2½
W't per doz., lbs.	9½	13
Per dozen	$13.50	18.00
	AJCJ	**ADDJ**

FOLDING WATER PAILS.



No. 4-G.

No. 4-G—6 qt., single, folding into 11½x5½x2 in., waterproof canvas, metal parts of rust proof spring steel, rigid, portable, strong, w't per doz. 20 lbs. .....per dozen **AJHJ** $18.00

No. 12-G—10 qt., folds into 12½x5½x2½ in., w't per doz. 24 lbs., otherwise same as No. 4G ....per dozen **AFCJ** $27.20

ONE IN A BOX.



No. 5-G—10 qt., single, folding into 12½x5½x2½ in., waterproof canvas, metal parts of rust proof spring steel, fitted with splash guard, strainer and spout, w't per doz. 25 lbs., per dozen .....**BAHE** $36.40

ONE IN A BOX.

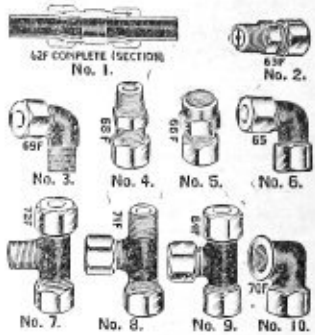
RUBBER BOOTS.



Manufactured under a new and comprehensive plan of vulcanization.

No. 19G—Knee, w't per pr. 5½ lbs., per pair .....**DED** $8.24

SOLDERLESS COMPRESSION COUPLINGS.



No Soldering or Brazing Required. Insert the Tube and Tighten Nut, Which Will Compress Sleeve and Make a Perfect Joint. Threaded Ends ⅛ Inch Pipe Thread.

Fig. 1—Complete Union. Tubing Both Ends.

No. 7250—¼ in. ...per dozen **AJJ** $1.90
No. 7251—⅛ in. ...per dozen **ABJ** 2.00

Fig. 2—Spring Check Valve. Tubing One End, Iron Pipe Thread One End.

No. 7252—¼ in. ...per dozen **ABJ** $2.00
No. 7253—⅛ in. ...per dozen **ACJ** 2.20

Fig. 3—Coupling. Tubing One End, Iron Pipe Thread One End.

No. 7254—¼ in. ...per dozen **JIJ** $1.50
No. 7255—⅛ in. ...per dozen **ABJ** 2.00

Fig. 4—Nipple Union. Tubing One End, Iron Pipe Thread One End.

No. 7256—¼ in. ...per dozen **JIJ** $1.50
No. 7257—⅛ in. ...per dozen **AJJ** 1.90

Fig. 5—Elbow. Tubing One End, Iron Pipe Thread One End.

No. 7258—¼ in. ...per dozen **JIJ** $1.50
No. 7259—⅛ in. ...per dozen **ABJ** 2.00

Fig. 6—Elbow. Tubing Both Ends.

No. 7260—¼ in. ...per dozen **ABJ** $2.00
No. 7261—⅛ in. ...per dozen **ACJ** 2.20

Fig. 7—Tee. Tubing Two Ends, Iron Pipe Thread One End.

No. 7262—¼ in. ...per dozen **ACJ** $2.20
No. 7263—⅛ in. ...per dozen **AEJ** 2.50

Fig. 8—Tee. Tubing Two Ends, Iron Pipe Thread One End.

No. 7264—¼ in. ...per dozen **ACJ** $2.20
No. 7265—⅛ in. ...per dozen **AEJ** 2.50

Fig. 9—Tee. Tubing Three Ends.

No. 7266—¾ in. ...per dozen **AEJ** $2.50
No. 7267—⅛ in. ...per dozen **AHJ** 3.00

Fig. 10—Elbow. Tubing One End, Female Iron Pipe Thread One End.

No. 7268—¼ in. ...per dozen **AJJ** $1.90
No. 7269—⅛ in. ...per dozen **ABJ** 2.00

Above couplings are made of brass and are used for gasoline, gas, oil and air pressure lines on cars and in garages.

PRIMING CUPS, GRINDING MATERIAL AND OIL.

BRASS PRIMING CUPS.



No. 7180

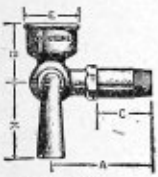


No. 7184.

No. 7180—⅛ in., brass, straight, short shank .....each **AH** $0.30
No. 7181—⅛ in., brass, straight, long shank .....each **AI** $0.32
No. 7182—¼ in., brass, straight, short shank .....each **AI** $0.32
No. 7183—¼ in., brass, straight, long shank .....each **AI** $0.32
No. 7184—⅛ in., brass, angle, each .....**BD** $0.40
No. 7185—¼ in., brass, angle, each .....**BD** .40

All above Nos. w't per doz. 2 lbs.

LOOSE.



No. 702G
Right Hand.



Lever Handle.

Brass, for Gasoline Engines, L Shank, Lever Handle.

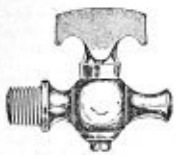
No. 702G—Size.....	00	2
Threaded for pipe.....	⅛	¼ in.
Each.....	$0.76	1.20
	DE	**JGJ**

The most efficient and satisfactory cups on the market. The shanks are made long enough to permit the lever to hang downward when cock is closed. The even tension of the spring keeps the key from sticking or working loose.

Brass, for Gasoline Engines, Long Shank Lever Handle.

No. 820G—Size.....	00	2
Threaded for pipe.....	⅛	¼ in.
Each.....	$0.68	1.00
	DJ	**JFJ**

AIR COCKS.



Finished Brass, T-Head, Round Shoulder.

No. 006G—⅛ in.....each **AD** $0.24
No. 007G—¼ in..... " **AF** .27

SPINDLE OILERS.



No. 7164—⅛ in. I. P. Thread, brass, w't per doz. 4 oz., per doz. **JFJ** $1.00

LOOSE.

CARBORUNDUM VALVE GRINDING COMPOUND IN DISPLAY CARTON.



No. 6929-A—One dozen tubes of Carborundum Valve Grinding Compound are put up in an attractive display carton for window or counter use, per dozen .....**BDJ** $4.00

ONE DOZEN IN A CARTON.
WE DO NOT BREAK CARTONS.

Carborundum Valve-grinding Compound is a mixture of the last cutting carborundum grains and a high grade grease. The compound gives a true, clean contact seat in motor car, motor boat and all motor engine valves in but a fraction of the time required by other mediums.

COMBINATION CARBORUNDUM VALVE GRINDING COMPOUND



No. 6924—4 oz. cans, half fine, half coarse ready for use, w't per doz. cans 4 lbs., per doz. cans **BAE** $3.60

Compact, neat, handy package.

ONE DOZEN IN A CARTON.

VALVE GRINDING MATERIAL.





No. 6925. No. 6926.

No. 6925—Clover Leaf Compound, for general grinding on valves, piston rings, cylinders, crank shafts, etc., 4 oz. size in double cover container, per can.....**CC** $0.54

An abrasive mixed with hard cutting oil that will grind faster than any other known compound.

Ready for use. Will not melt in temperature of 200 degrees, cake or deteriorate.

ONE IN A BOX.

No. 6926—Rapid Cut, a highly pulverized emery.....per can **BJ** $0.34

Mixes readily with crude oil, forming the best valve grinding compound on the market. Outfit includes extra mixing cup.

AUTO ENGINE OIL.



A high fire test, scientifically prepared oil of medium body especially designed for lubrication (by gravity, force, feed or splash system), of all styles and types of motors operated under ordinary compression and mechanical conditions.

It affords the highest degree of lubrication, in addition to securing freedom from carbon deposit in the cylinders, valves and spark plugs.

Nos.....	6923	6922
Capacity.....	1	5 gal.
Per dozen cans.....	$15.00	60.00
	JIJJ	**CFJJ**

REVONOC AUTOMOBILE OIL.

A Practically Carbonless Medium Body Oil, Possessing, Great Lubricating Properties. Works Equally Well in Hot or Cold Weather. Never Thickens or Becomes Sticky When in Use. Low Flash Point. High Fire Test.

No. 5-G—5 gal. cans, w't per doz. 37 lbs., per can .....**BGJ** $4.50
No. 10-G—10 gal. cans, w't per doz. 73 lbs. .....per can **EBJ** $9.70
Put up in cone-top wood jacket cans.

AUTOMOBILE OILS, LUBRICANTS, GREASES, ETC.

AUTOMOBILE OILS.



K000 Non-Fluid and K00 Special.

No. 6896—3 lb. cans, K000, each	**DJ**	$0.72
No. 6897—5-lb. cans, K000, each	**JGJ**	1.20
No. 6898—10-lb. cans, K000, each	**ADE**	2.40
No. 6899—20-lb. cans, K000, each	**BIJ**	4.80
No. 6900—50-lb. cans, K000, each	**JGBJ**	12.00
No. 6901—3 lb. cans, K00, each	**DJ**	.72
No. 6902—5-lb. cans, K00, each	**JGJ**	1.20
No. 6903—10-lb. cans, K00, each	**ADE**	2.40
No. 6904—20-lb. cans, K00, each	**BIJ**	4.80
No. 6905—50-lb. cans, K00, each	**JGBJ**	12.00

K000 for use in compression cups on all bearings, for packing differential gears, planetary transmissions, for steering gear knuckles, ball and roller bearings, axles and universal joints.

K00 Special, softer than the K000 grade, particularly for lubricating sliding gear transmissions, cushions the gear teeth, prevents shocks when changing speeds, prevents abrasion and heating, and assures smooth, quiet running. Reaches and lubricates oil shaft bearings.

AUTOMOBILE CYLINDER OILS.



HARRIS, For General Use on Automobiles, Furnished in Three Grades.

Light.

Bbls., 50 gals. .....per gal.	**EE**	$0.90
½ bbls., 30-35 gals., per gal.	**JFJ**	1.00
No. 6909—5 gal can, per gal.	**JFE**	1.12
No. 6908—1 gal. can, per gal.	**JGE**	1.28

Medium.

Bbls., 50 gals. .....per gal.	**EE**	$0.90
½ bbls., 30-35 gals., per gal.	**JFJ**	1.00
No. 6909—5 gal can, per gal.	**JFE**	1.12
No. 6908—1 gal. can, per gal.	**JGE**	1.28

Heavy.

Bbls., 50 gals. .....per gal.	**EE**	$0.90
½ bbls., 30-35 gals., per gal.	**JFJ**	1.00
No. 6909—5 gal can, per gal.	**JFE**	1.12
No. 6908—1 gal. can, per gal.	**JGE**	1.28

GRAPHITE HEAT-RESISTING GREASE.



DIXON'S
No. 676.

No. 6914—1 lb. can, per can ...$0.56 **CE**

No. 6914—5 lb. can, per can ...$2.40 **ADE**

No. 676 is the best grease we know of for universal joints, water pump cups, overhead valve cups and clutch thrust collars. It positively will not melt and run out. This grease should NOT be used on gears.

TRANSMISSION AND DIFFERENTIAL GREASE.



DIXON'S
No. 677.

No. 6916—1 lb. can, per can ...$0.56 **CE**

No. 6916—5 lb. can, per can ...$2.40 **ADE**

A graphited grease of just the right consistency for all transmission and differential gears, except those intended to be lubricated with light oil. It is the grease the "Speed Kings" use. There is nothing like it on the market. We stand behind this grease with our strongest recommendation.

1 LB., THIRTY-SIX; 5 LB., TEN IN A BOX.

MICA FLAKE LUBRICANT.



For Automobiles.

No. 6919—1 lb. cans, per can **JFJ** $1.00

No. 6920—5 lb. cans, per can **BGJ** $4.50

Mica Flake mixed with grease has proved the most successful and satisfactory lubricant for use in the differential and transmission—reduces friction—prolongs the life and efficiency of the car—greatly lessens the wear and makes gears run smoothly and noiselessly. Mica Flake should be used also in all grease cups.

For tire use there is nothing better than Mica Flake on the inner tubes to prevent them from sticking to the casing. It also prevents chafing and heating. Mica is a non-conductor of heat and an insulator.

MOTOR GRAPHITE.



DIXON'S
No. 750.

No. 6917—Size, lb....	½	1	5
Per can	$0.48	.80	3.20
	CJ	**EJ**	**AIJ**

The purest and most carefully selected grade of Flake Graphite, ground to impalable fineness. May be mixed with oil or grease as required. Its function is to eliminate friction and wear of parts and to increase power. Use it in cylinders, springs, tires, wheel-rims and bearings and wherever friction occurs.

NON-LEAK GRAPHITE GREASE.



DIXON'S
No. 680.

No. 6918—5 lb. cans, per can ...$2.25 **ACE**

No. 6918—10 lb. cans, per can ...$3.75 **BBE**

Differential housings of many cars chronically leak at the ends of the axle. No. 680 is the result of several years experimenting with the idea of overcoming this trouble. It is all lubricant, has long life, will not allow gears to cut a path through it like very heavy grease and it does not leak out on the brakes and over the wheels.

This special grease should be used only when No. 677 or No. 675 will not stay in the differential housing, it should never be used in transmissions.

GRAPHITE CUP GREASE.



DIXON'S
No. 3.

No. 6913—1 lb. cans, per can ...$0.56 **CE**

No. 6913—5 lb. cans, per can ...$2.40 **ADE**

Cup Grease containing fine flake graphite reduce friction to a minimum. Use Dixon's No. 3 for all grease cups, wheel spindles, etc. By using these high grade graphite greases the bearings soon acquire the well-known graphite polish that eliminates friction and causes easy running.

AUTOMOBILE CLEANING SUNDRIES.

CHAMOIS SKINS.



No. 22½-G—10x13 in., per doz. BAJ 3.50
No. 23½-G—12x16 in., per doz. CFJ 6.00
No. 24¾-G—15x20 in., per doz. ..... JFFJ 10.00
No. 26-G—19x25 in., per dozen ..... JICE 15.60
No. 27-G—23x26 in., per dozen ..... ACBJ 22.00
ONE KIP (2½ DOZEN) IN A BOX. AVERAGE WEIGHT PER KIP 3 LBS.

AUTOMOBILE WASHERS.



No. 6980-A "Cataract."
No. 6980—Perfect, cotton yarn mop, nickel plated brass holder or tube, threaded for hose couplings, each .....ABJ $2.00
Extra tops, for above, each DJ .68
No. 6980-A—Shut off valve in handle, as per illustration, otherwise same as No. 6980, w't each 1 lb., each, complete .....AFJ $2.70
When attached to hose the water runs through top continuously, keeping it free from grit and insuring against scratching polished surfaces. Moreover, water will not numb the hands, and the construction makes squirting or splashing impossible.

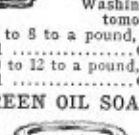
SPONGES.



Not Loaded.
Best Cuba Velvet Sheepswool, Pure, Free from Grit and Foreign Substances, for Washing Automobiles.

No. 20-G—6 to 8 to a pound, per pound .....CIJ $6.50
No. 21-G—10 to 12 to a pound, per pound .....CIJ 6.50

GREEN OIL SOAP.



No. 6955— 5 lb. pails, each JIJ $1.50
No. 6956—10 lb. pails, each AEJ 2.50
No. 6957—25 lb. pails, each CJJ 5.00
For cleaning automobiles, carriages, varnished surfaces and harness. Does not injure the varnish, paint or leather. Quickly removes grease, stains and dirt from autos, leather, clothing, hands, etc., without the least injury. Does not necessitate an additional application of a finishing polish to restore the lustre to the auto bed. This soap has been tested on a highly polished wood panel 1,350 times and the polish and finish is still perfect.

REVONOC CLEANSING SOAP.



No. 6965—5 lb. can, free of caustic, alkali, and animal fat, non-injurious, per can .....JGJ $1.20
REVONOC *Cleansing Soap has been selected after exhaustive tests, resulting in a strictly neutral oil soap. Will not harden or crack the finish and acts as a preservative to the varnish or paint.*
Also excellent for use in cleaning floors, marble, porcelain, tile, bric-a-brac, carpets, curtains, cut glass, furniture, leather, pianos, and vehicles.
As a shampoo soap it is impossible to beat it, in fact it is of the same chemical composition as Shampoo soaps costing several times more.
ONE DOZEN CANS IN A CASE.

AUTOMOBILE TOP DRESSING.



No. 7040 REVONOC—1 qt. cans, w't per doz. 20 lbs. .....per dozen JHFE $14.40
REVONOC *Top Dressing is for mohair, leather, pantasote tops, curtains, cushions and trimmings.*
It contains no injurious chemicals, will not stain the clothes, dries in a few minutes, is easily applied with brush and gives you a beautiful rich satin finish, jet black, waterproof and lasting. Renew your top at once.
ONE DOZEN CANS IN A CARTON.

BUCKEYE CLEANSER.



A Linseed Oil Soap.
No 6960— 5 lb. pails...each JFJ $1.00
No. 6961—10 lb. pails...each ABJ 2.00
No. 6962—25 lb. pails...each BGJ 4.50
Can be furnished in barrels or half barrels at special price if desired.
A vegetable oil soap, especially made for automobile use and one of the best articles of its kind on the market. It cleans, polishes and brings out the lustre, and goes twice as far as any ordinary soap.
Directions for use on each can.
FIVE LB. PAILS, ONE DOZEN; TEN LB. PAILS, ONE-HALF DOZEN; TWENTY-FIVE LB. PAILS, TWO IN A CASE.

HAND SOAP.



No. 7030 REVONOC—10 oz. cans, per dozen .....AJJ $1.70
3 doz. in a case, per case BGJ 4.50
REVONOC *Hand Soap instantly removes from the hands, machine grease, grime, paint, ink, etc. It is absolutely antiseptic and is so finely prepared it will not injure the most delicate hands. Its use benefits the skin, leaving it soft and smooth.* REVONOC *Hand Soap is free from oil, lyes or acids, is delicately perfumed, and can be safely used by all members of the family. Particularly adapted for use in offices clubs, hotels, restaurants, etc.*



	Per dozen.
No. 7022— 1 lb. cans.....AAJ	$1.80
No. 7023— 3 lb. cans.....BGJ	4.50
No. 7024— 6 lb. cans.....EDJ	9.00
No. 7025—13 lb. cans.....AJHJ	18.00

Removes dirt, grease and stains of all kinds. Contains no harmful ingredients, and is acknowledged by all automobilists to be the best hand soap on the market.

SIMONS AUTO-KLEEN AND POLISH PASTE.



No. 7045—Consists of 1 can Auto Kleen and 1 can Polish Paste, a scientifically prepared cleansing paste made without acid and a polish paste that polishes dry and brilliant, sheds water or dust and prevents finger or rain stains, one can of each in an outfit, 12 outfits in a case, w't per case 12 lbs. .....per case JIFJ $16.00
Auto-Kleen revives dull hoods and fenders, removes dullness, water stains and oil scum. MAKES cars bright and new.
Polish Paste lasts for weeks and KEEPS cars bright and new.

AUTOMOBILE POLISHES AND WASHERS.

METAL POLISH.



REVO-NOC *Cleans and shines like magic. A few brisk rubs will remove all tarnish and stains and produce a beautiful luster which lasts unusually long. Contains no acid or ammonia. Will not injure fine wood work or loosen or effect screws. Absolutely pure and non-injurious. Recommended for brass, copper, zinc, nickel, stove trimmings and all metals exposed to outdoors, except gold or silver.*

Nos.	94–G	95–G	96–G	97–G
Capacity, pts.	¼	½	1	2
W't per case, lbs.	13	13½	27½	28
Per dozen	$1.50	2.50	4.00	7.00
	JIJ	AEJ	BDJ	DBJ

Nos.	98–G	99–G
Capacity, gal.	½	1
W't, case, lbs.	95	65
Per dozen	$11.00	18.00
	JFFJ	AJHJ



REVO-NOC *Cleans and polishes all metals quickly and easily. Articles cleaned with* REVO-NOC *metal polish hold a high luster unusually long, non-explosive. Government bids now specify non-explosive polish. Some states have legislated against the explosive polish, and it cannot be shipped by freight without large red label attached, bearing the word inflammable.*

REVO-NOC *polish will not burn. Antiseptic, contains no acid. Absolutely uninjurious, cleans the finest articles without injury. Will soften and heal the hands. Especially recommended for automobilists, engineers, mechanics, housekeepers, hotels, restaurants, fire departments, stove dealers, sporting goods dealers. We have had* REVO-NOC *metal polish thoroughly tried by all the above tradesmen, and it has given universal satisfaction and is pronounced "The Best Yet."*

Nos.	70G	75G	80G
Capacity, pts.	¼	½	1
W't per case, lbs.	14	18	34
Per dozen	$1.70	2.50	3.60
	AJJ	AEJ	BAE

Nos.	85G	90G
Capacity, gal.	¼	1
W't per case, lbs.	36	70
Per dozen	$5.70	16.00
	CDJ	JIFJ

NOS. 94G, 70G, THREE DOZEN; NOS. 95G, 96G, 75G, AND 80G, TWO DOZEN; NOS. 97-G AND 99-G, ONE DOZEN; NO. 100-G, ONE-SIXTH DOZEN; BALANCE, ONE-HALF DOZEN IN A CASE.

AUTOMOBILE METAL POLISH.

Rex metal cream polish contains the best cleaning and polishing agents chemically combined. It is free from acid and grit, and gives a beautiful luster without much labor.



"REX," for Polishing Lamps, Brass, Nickel, Etc.

No. 6974—½ pint cans, per dozen	AFJ	$ 2.70
No. 6975—1 pint cans, per dozen	BHJ	4.00
No. 6976—1 quart cans, per dozen	DGJ	7.00
No. 6977—½ gallon cans, per dozen	GBJ	10.00
No. 6978—1 gallon cans, per dozen	AAEJ	18.00

REX NICKEL POLISH.



Rex, for Polishing Nickel, German Silver, Etc.

No. 7032—1 pint cans, per dozen	CCJ	$ 5.50
No. 7033—1 quart cans, per dozen	DHJ	8.00
No. 7034—½ gal. cans, per dozen	JFIJ	11.50
No. 7035—1 gallon cans, per dozen	AJHJ	18.00

Made especially for polishing and conserving all nickel plated parts and accessories, German silver, lamp reflectors and trimmings; also household nickeled ware, nickel plated stove fixtures, plumbing, etc.

Made of pure neutral oils and fine abrasives obtained by collecting the dust from the milling machines. Contains absolutely no ammonia, acids or grit, and does not settle in the can—the fine abrasives remaining always in suspension.

Note—No polish intended for general use is sufficiently delicate or protective for nickel plating or plated articles which wear away rapidly under ordinary treatment.

AUTOMOBILE BODY POLISH.



Automobile polish is scientifically blended and will not separate. It never has to be shaken consequently the last of the bottle is as good as the first.

It contains no acids or other harmful ingredients.

It does not dissolve or injure the varnish, but cleans and brightens it. Scratches on woodwork are rendered invisible and fade away by the smoothing action of the polish.

Nos.	200–G	202–G	203–G	204–G
Cap., gal.	¼	½	1	
Doz. cans	$6.00	9.60	18.00	36.00
	CFJ	EGE	AJHJ	BAFJ

AUTO BODY POLISH.



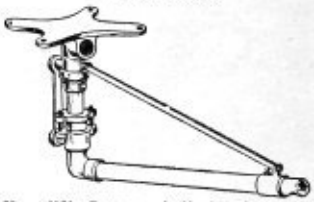


MATS, Prevents Finish from Cracking or Staining, Gives the Body a Beautiful Lustre.

			PER CAN.	PER DOZEN.
No. 6966—½	pt.	cans	$0.36	$ 3.50
			BA	BAJ
No. 6967— 1	pt.	cans	.70	6.00
			DB	CFJ
No. 6968— 1	qt.	cans	1.10	12.00
			JFE	JGBJ
No. 6969—½	gal.	cans	2.00	
			ABJ	
No. 6970— 1	gal.	cans	3.00	
			AHJ	

Mat's body polish can be used on the leather upholstering as well as the body of an auto, and will give a very brilliant finish. Positively contains no acid. Dries, softens and waterproofs leather.

OVERHEAD GARAGE WASHERS.



No. 6950—Rotary, ball bearings and front brace of steel, arm of ¼ in. standard iron pipe, all other parts bronze, length of arm 5 or 6 ft. to order, drop from ceiling 8 in., w't each 35 lbs. .....each JIJJ $15.00

This washer is absolutely rust proof; will last a life time. The base and stem are cast integral and accurately bored and machined for necessary fittings,

AUTOMOBILE MEASURES, FUNNELS AND TANKS.

NO-SHAMMY FUNNELS.



No. 6981—Tin, copper plated, size 2—5 gal. per minute—8½x3 in. top measurements, 2½ in. tube, double strainer, guaranteed to take all water and dirt out of gasoline.....each **AGJ** $2.80

GASOLINE FUNNELS.



No. 6982—2 qt., 8½ in. diam. top, 9½ in. high, coppered.....each **JFJ** $1.00
No. 6983—4 qt., 9¾ in. diam. top, 11 in. high, coppered.....each **JGG** $1.28
No. 6984—8 qt., barrel size, 12½ in. diam. top, 12 in. high, coppered, each .....**JIE** $1.60

These funnels are especially designed for filling auto gasoline tanks and barrels. They have hoop around top to prevent slopping, and besides having a fine brass wire strainer there is also an extra outside hoop for holding a chamois strainer. They also have large fluted tubes so that the gasoline will run through fast and not become air-bound.

SHUT-OFF FUNNELS.



No. 6985.

No. 6985—2 qt., 8½ in. diam. top, 9½ in. high, 8¼ in. outlet, heavily coppered, each .....**AAJ** $1.80
No. 6986—4 qt., 9¾ in. diam. top, 11 in. high, 3¼ in. outlet, heavily coppered, each .....**ACJ** $2.20
No. 6987—8 qt., 12½ in. diam. top, 12½ in. high, 3¼ in. outlet, heavily coppered.....each **AEJ** $2.50

PORTABLE FUNNELS.



No. 6988. No. 6989.

No. 6989—1 pt., 3½x8¼ in., heavily coppered .....each **DJ** $0.70
No. 6988—1 qt., 3½x8 in., coppered, light weight .....each **JFJ** $1.00

These funnels are made especially for auto use, have large spout so that while body is small the gasoline will run through very fast. Has fluted tube and will not get air-bound while pouring.

SHUT-OFF GARAGE FUNNELS.



No. 6990—12¾ in. diam., 6 in. deep, ¾ in. spout, heavily galvanized, each .....**DBJ** $4.00

This funnel is very convenient and practical for garage use, also for motor boats. Simply lift the funnel from filling hole in the tank or can and no more gasoline can run through the spout, a necessity to safety and economy.

AUTO GASOLINE MEASURES.



No. 6991.

Graduated.

No. 6991—2 gal., with bail, 9½x9¼ in., each .....**BJE** $3.40
No. 6992—5 gal., with bail, 12½x12¼ in., each .....**BGJ** $4.50

Heavily copper plated and lacquered, extra heavy weight with reinforced bottom, made especially for automobile use and with special pouring lip.

COMBINATION MEASURERS AND FUNNELS.



Graduated.

No. 6993—1 qt., 4½x7¾ in., ⅞ in. spout, each .....**EE** $0.90
No. 6994—2 qt., 5¾x9¾ in., heavily coppered, ½ in. spout, each **JGB** $1.20
No. 6995—4 qt., 6½x12⅜ in., heavily coppered, 1⅛ in. spout, each **AJJ** $1.70

This measure is of extra heavy weight, with pouring lip on opposite side to funnel spout which constitutes a regular fast pouring measure for pouring in large openings, making it a regular combination measure and funnel. Note the handle is on the side which makes it convenient while using in close or cramped quarters.

GARAGE MEASURES.



This is the most practical 5 gallon measure made, because it can be filled from a tank, hose or faucet without spattering and when full can be carried to auto and lifted up on running board to tank without spilling a drop and can further be poured into funnel very fast without spilling.

No. 6996—Heavy galvanized steel, tested and warranted not to leak or rust, capacity 5 gals.....each **AIJ** $3.20

GASOLINE EMERGENCY TANKS.



No. 6997—1 gal., 8½ in. wide, 3 in. thick, 12 in. high.....each **JFJ** $1.00

Made of steel with wood protection casing, nicely finished, has special pouring spout and wire strainer, holds one gallon.

GARAGE ACCESSORIES.

SHUT-OFF GASOLINE MEASURES.



No. 7005—Heavy galvanized, 11¼ in. diameter, 18 in. high, 4 in. opening, w't 12 lbs. .....each **BDJ** $4.00

This measure is similar to our No. 6996 five gallon garage measure, except that pouring lip and filler are one. Filler opening has cover plug so arranged that by simply turning it one-half turn, the pouring lip is shut off so that any gasoline left in the measure can remain in the can safely without loss from evaporation, thereby being a storage can as well as a measure. Will not rust or leak.

ONE-HALF DOZEN IN A CRATE.

COMBINATION MEASURES WITH AUTOMATIC SHUT OFF.



No. 7008—Heavily copper plated, 2 qt., 5½x9¼ in. with ½ in. spout, w't each 2 lbs. .....each **JIE** $1.60

Simple and positive in construction, positively prevents spilling oil over engine and other parts. A most practical measure, combined with a funnel for convenience in pouring, has in spout a brass ball valve (ground oil tight) to shut off the flow of the oil instantly (in a very simple manner) at the convenience of the user.

GARAGE RADIATOR FILLERS.



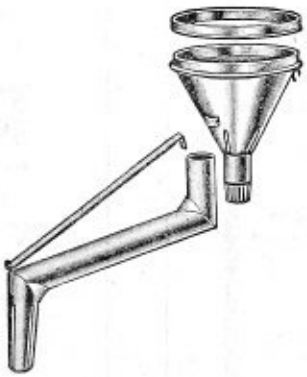
No. 7007—6 qt., 7x13½ in. high, heavy galvanized steel, large spout with brass strainer, w't 6 lbs., each ..... **AEE** $2.60

Galvanized after it is made, is absolutely rust proof and is guaranteed not to leak.

It has a convenient pouring spout and a brass strainer to keep all dirt out of the radiator.

ONE DOZEN IN A BOX.

TWO-IN-ONE OFFSET GASOLINE FUNNELS.



No. 6998—4 qt., 9¾ in. diameter, 1¼ in. outlet, detachable offset spout, copper plated, w't crated 4 lbs., each .....**AEJ** $2.50

No. 6999—8 qt., 12 in. diameter, 1¼ in. outlet, detachable offset spout, copper plated, w't crated 6 lbs., each .....**AFJ** $2.70

These funnels are adapted to cars carrying gasoline tanks at the rear and do not necessitate the removing of spare tires. At the same time the spout can be quickly removed and a good regular funnel remains, thus forming a combination funnel with which any tank can be filled regardless of where it is situated.

ONE IN A CARDBOARD CARTON.

GALVANIZED GARAGE FUNNELS.



No. 7004—10 qt., 10½ in. high, 10½ in. diameter, 1¼ in. outlet galvanized funnel strainer, w't 4 lbs., each ..... **AGJ** $2.80

The strainer of reinforced brass wire cloth, is removable, to prevent breaking, can be easily replaced. It is of a cone shape, giving a larger straining surface and preventing dirt and water from being forced through.

A necessity of every car owner and dealer.

ONE DOZEN IN A CRATE.

COLLAPSIBLE PAILS.



No. 7010—Faultless, heavy waterproof duck, non-rustable valve at bottom, galvanized hoop in top, 12x½ in. when folded, w't per doz. 16 lbs., per dozen.....**JIFJ** $16.00

With this collapsible pail and funnel which sells for $1.00, there is no more carrying water in your felt hat, a bottle, tin can or anything you can find. The Faultless, both pail and funnel, is always ready. Any radiator may be filled without spilling water. Collapses completely, may be carried under seat or cushion, no car thoroughly equipped without it.

ONE IN A BOX.

GASOLINE HOSE.



No. 7000—¼ in. diameter, metal armored inside with an anti-corrosive flat steel wire lining, also lined with gutta percha, making it oil and gasoline proof, w't per ft. 14 oz., per foot ..... **CJ** $0.50

No. 7001—1 in. diameter, otherwise same as No. 7000, per foot ..... **CF** $0.60

Free Advertising Electros



H.S.B. & CO.

REV-O-NOC SEAMLESS Roaster

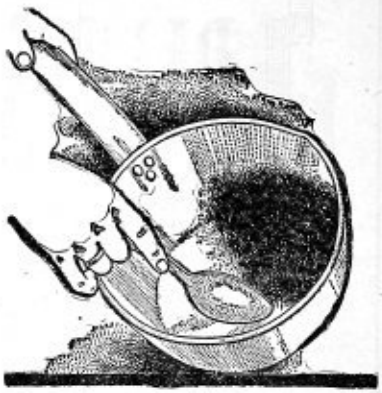
NOT a single joint or opening where grease or dirt can hide and collect. Just think—you can clean it inside and out as easily as a china plate. It is smooth as glass and not affected by any acid whatever.

THE BOTTOM CANNOT TOUCH THE OVEN

and the food will therefore cook without any attention. Put your meat or fowl in a "Rev-o-noc" Roaster, go to church or to your club and you need not worry about a burned dinner.

Dealers name here

No. 405



Cook to dryness one pint of tomatoes. Then over a low fire BURN THE TOMATOES TEN MINUTES. Then pour in boiling water, increase the heat, boil a few minutes and clean out with a wooden spoon. The utensil will not be injured.

Food may be burned in

H.S.B. & CO.

REV-O-NOC Aluminum Utensils

if too much heat is applied; but the burning has no effect whatever upon them.

Dealers name here

No. 406

These single column Newspaper Ads are ready for insertion in your Local Newspaper

Be sure and specify number when ordering.





PAINTS & VARNISHES

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HIBBARD, SPENCER, BARTLETT & CO.
STATE STREET BRIDGE
CHICAGO.





THE REASON WHY.

TO OUR HARDWARE CUSTOMERS—AND OTHERS.

READ WHY THIS DEALER SUCCEEDED—

Hibbard, Spencer, Bartlett & Co.,

Gentlemen—We have handled your line of [illegible] House and Floor Paints, and [illegible] Sanitary Flat Wall Finish for the past two seasons, and have yet to hear a complaint about their durability and wear. They have given universal satisfaction and our sales are increasing right along.

The paint business was new to us, but we think your proposition has been about the most profitable thing we ever went into at our store. There is no doubt but that your advertising has helped along our sales wonderfully, and with your continued publicity assistance we expect to do even better during the coming year. Our competitor always claimed to have one of the best paints made, but he has nothing on us. In fact, some of the folks who used to buy from him are now buying [illegible] Paint from us.

(We should be glad to furnish name and address of this dealer, as well as copies of many more letters in the same tone.)

PAINT SELLING ADVANTAGES OF THE MERCHANT IN HARDWARE.

Government reports show that only about 25 per cent of the buildings in the United States are properly protected by paint, and in every community this want of paint is causing a real, although generally unappreciated loss to some property owners, in the shape of reduced rental and sale values, as well as in actual deterioration of the buildings.

But Paint is very naturally sold with hardware, along with the hammer, the lockset, the wire cloth, to the same user and often for the same building job. Indeed, many dealers in hardware now plan quite as definitely to secure the contracts for paint, as for hardware on local new building work, finding in addition, a steady and profitable sale of material for re-painting work.

A PAINT SERVICE THAT FITS IN WITH THE PARTICULAR REQUIREMENTS OF THE MERCHANT IN HARDWARE.

Dependable values in wide variety—

Uniform Values the dealer can rely on and recommend in a thorough and complete variety of paints and painters' goods, covering practically every need of either the occasional or professional paint user.

Prompt shipments, with hardware—

Saving freight, drayage and extra book accounts.

Our Salesman Calls Often—

And can give more frequent attention to the dealer's paint requirements, making it possible to run the same business on smaller investment.

Advertising—

After proper merchandise comes help in selling. We furnish special letters that reason plainly with the dealer's prospective customers, besides newspaper, store, and outside advertising that pulls. Note these pages.

Bureau of Information and Analysis—

For helping the dealer solve special paint problems or analyzing linseed oil or paints when a question comes up as to quality. The dealer who takes advantage of this analyzing service has a means not only of insuring himself against adulteration, but of demonstratig to prospective customers the impurities of competig paints.

CHOOSING A SAFE PAINT.

"White lead and oil," hand mixed, does not assure safe paint. The safest paint is a combination of pure pigments, preferably lead and zinc, and pure colors ground to the minutest fineness in powder mills, then machine mixed with pure linseed oil and dryers. Such paint is more uniform, dependable, spreads easier and further than the old-time "hand-paddle mixed Lead and Oil."

The best possible paint experience is here at the dealer's command. It will cost no more than incompetence. We suggest that dealers do not attempt to learn through their mistakes, what we have learned in years of experience.

WHY [illegible] IS A SAFE PAINT FOR THE DEALER IN HARDWARE TO SELL.

We are not relying merely on custom, but in making [illegible] Paints, we do follow closely, the latest findings of approved competitive paint tests.

For instance, we use only the chemically pure colors, without the ochre—clay—and whiting, cheapening often substituted. In place of the corroded lead we use the sublimed, which has surpassed and is surpassing corroded in every test now in progress, on every point material in a proper paint pigment. Many of the heaviest users of white lead, including some of the largest railroads, now use nothing but the sublimed.

A few of these points of superiority follow—non-poisonous, chemically stable—does not injure delicate color pigments, not affected by foul gases—the single particle about 1-30th the size of the corroded particle, and featherdown in character as contrasted with the corroded crystals.

These are a few reasons why [illegible] Paint will not poison the user, will not harden in the bottom of the can, does not discolor in smoke gases—to withstand which a specially mixed zinc paint might otherwise be required—spreads further and easier, and grips better into the pores of the wood, than can a differently made paint.

One [illegible] dealer tells us what helps impress prospective consumers with these points—

"The dealer whose recommendation is backed by the printed analysis, showing the purity of material is in position to eventually command and retain the best trade of his territory."

Guaranteed formula label on every can.

All our mixed paints carry the printed formula label on every can. This formula we guarantee to represent the contents of the can. This label makes all our paint goods salable in pure paint law states as well as all others.

PUTTING THIS PAINT SECTION TO PRACTICAL WORK.

WHAT PAINT MATERIAL TO USE.

Dealers Need not Turn Down the Business of Inquirers for Such Goods. Write Us.

OUTSIDE:

Houses—[GM] page 2412, [RW] page 2418 or White City, page 2420.

Barns, Sheds, Fences and Rougher Buildings—Pages 2419-2422.

Roofs—

Shingle, [RW] Creosote Shingle Stain, page 2419.

Gravel or Prepared, [RW] Asphalt Roof Coating, page 2422.

Cruso Coating, page 2422.

Metal—Remove grease with ammonia. Then use [RW] Iron Paint, page 2419; Creo-graphite, page 2422; [RW] Asphalt Roof Coating, page 2422.

GENERAL:

Screens—[GM] Screen Paint, page 2413; White City Screen Paint, page 2420.

Foundations of Stone or Concrete (waterproofing)—[RW] Asphalt Roof Coating, page 2422. ....

Walls—Stone, brick or concrete (above ground), [GM] Concrete Coating (in color), page 2414, or one coat of linseed oil, followed by any house paint.

Fence Posts—(Waterproofing and Preserving) [RW] Creosote Shingle Stain, page 2419.

Iron Shutters—[GM] Liquid Enamel, page 2416; [RW] Asphalt Roof Coating, page 2422. [GM] Asphaltum, page 2424.

Iron Fences—See Iron Shutters.

Stand Pipes—[RW] Asphalt Roof Coating, page 2422; [RW] Iron Paint, page 2419; [GM] Graphite Paint, page 2414; [GM] Asphaltums, page 2424.

Bridges (Iron)—See Stand Pipes.

Culverts (Iron)—See Stand Pipes.

Boilers—Remove grease with ammonia, then use [GM] Asphaltums, page 2424; [GM] Graphite Paint, page 2414; [RW] Asphalt Roof Coating, page 2422.

Smoke Stacks—(See Boilers).

Silos—[RW] Barn Paint, page 2419.

Troughs and Tanks—(See Silos).

INSIDE:

WALLS AND CEILINGS—

Plaster or Concrete—[GM] Sanitary Flat Wall Finish Paint, page 2416; [GM] Interior Concrete Coating, page 2414; [RW] Kalsomine, page 2434; Muresco Cold Water Finishes, page 2435.

For High Gloss—[GM] Liquid Enamel, page 2416, over [GM] Sanitary Flat Wall Finish Paint, page 2416; or one of the house paints.

For Deep Lustre—Gold or Aluminum or Bronze Powder Paints, pages 2428-2429.

Steel or Wood—See "Plaster".

WOODWORK OR FURNITURE—

Transparent Gloss Finish—[GM] Varnishes, page 2423; Colored Paints, Solid Colors, [GM] Household Paint, page 2413; [GM] Sanitary Flat Wall Paints, page 2416.

INSIDE—Continued.

Gloss—Varnish Paints, [GM] Floor and Furniture Stain (gloss finish), page 2414.

Dull—Flat or Mission Finish, no body, no film, a dye-like stain, like ink. [GM] Dull Finish Floor and Furniture Stain, page 2414; [RW] Wood Dyes, page 2425.

Chairs, Desks, Church Seats—No. 302 [GM] Varnish (transparent), page 2423.

Mirrors, Picture Frames, Vases, Jardiniers—[GM] Liquid Enamel, page 2416.

Flower Boxes—Cruso Flower Box Paint, page 2419.

Gas Stoves and Iron Furniture—No. 315 [GM] Wrought Iron Finish, page 2424.

Burnt Woodwork, Fine Cabinet Work, Bric-a-brac—[GM] Alcohol Shellac, page 2424; [RW] Artistic Wood Dyes, page 2425.

FLOORS—

Wood Floors—Solid Color, fill cracks with [GM] Crack and Crevice Filler, page 2416; then use [GM] Floor Paint, page 2413; Semi-transparent, or for graining; [GM] Floor and Furniture Stain, page 2414; Transparent, [GM] Varnishes, 300 or 408, page 2423.

Concrete Floors—[GM] Concrete Floor Coating, page 2414.

Porch Floors—Fill cracks with [GM] Crack and Crevice Filler, page 2416; then use [GM] Porch Floor Paint, page 2413.

MISCELLANEOUS:

Porch Furniture—[GM] Chair and Swing Paint, page 2413.

Bath Tubs—[GM] Bath Tub Enamel, page 2416.

Blackboards—[GM] Blackboard Slating, page 2416.

Radiators and Steam Pipes—Bronze Paints, pages 2428-2429, or [GM] Sanitary Flat Wall Paint, page 2416. By using a paint to match wall in color, radiator can be made less conspicuous. Paint soon bakes in the heat, and odor dies away.

Stove Pipes—[GM] Stove Pipe Enamel, page 2438.

Bicycles—[GM] Liquid Enamel, page 2416.

Wagons and Implements—[GM] Wagon and Implement Paint, page 2415.

Boats—[GM] Yacht and Vessel Paint, page 2415; No. 412 [GM] Exterior Spar Varnish, page 2423.

Auto and Carriage Tops—[GM] Carriage Top Dressing, page 2415.

Polishing Furniture, Floors, Linoleum, pages 2439-2441.

Puttying Nail Holes and Cracks—page 2438.

Sticking Down Roofing—[RW] Asphalt Lap Cement, page 2422.

Removing Old Paint—Page 2440.

Filling Rough Lumber Before Painting or Varnishing—[GM] Wood Fillers, pages 2414-16-23. Never use on floors.

Graining Effects on Woodwork—[GM] Floor and Furniture Stain, page 2414.

GETTING THE BEST OUT OF PAINT.

THERE IS NO GREAT MYSTERY ABOUT PAINT. ANYONE CAN HANDLE IT, IF HE GIVES A LITTLE CAREFUL THOUGHT TO THE RULES OF PAINT USE.

FINDING HOW MUCH YOU NEED.

For surface of building measure from any corner, clear around, including angles, and making no deductions for doors and windows. Multiply the result by the average height of the house. In getting the height, be sure to include the width of the under part of projecting roof.

So much for the plain surface. For Dormer windows, or for shaped shingled surfaces you allow double measurement, while for plain square shingles or pickets you figure three measurements. Ordinary spindle work is figured as if solid on both sides, while carved work and square spindles set close, and outside blinds, and ordinary lattice are figured treble. Porch rails, column spindles and lattice are figured as double.

The total area so figured is divided by 300, the number of square feet covered, two coats, on average surface by a gallon of [illegible] Paint.

A quicker method sometimes used is to multiply the sum of the sides and ends by the average height.

OUTSIDE PAINTING.

How to use paint without abusing it. The experience of a practical painter is very desirable for best results here. First, see that the surface is clean, free from scales or loose particles of paint, dust, dirt, grease or moisture. Shellac all knots, pitchy or sappy streaks with alcohol shellac varnish. Wash mildewed spots with turpentine.

Avoid moisture as you would the plague. A surface may appear dry, but have moisture beneath. If possible, prime a surface before the plastering begins, and never apply the second or third coats while the plaster is drying out, as the moisture will sweat through the walls and raise the paint. Wait until plaster is dry before painting.

Be careful to keep the building well ventilated and be **sure that basement floor and walls are dry.**

Remember that **varied grain**—from light to dark—and varied absorbing power or size of pores in the woods used on the same wall of a house, **may require, for proper results, more than two coats of paint.**

The danger of mixing the paint thick enough to cover the dark grain in two coats is here—sufficient oil may not be left in the paint mixture to satisfy both the pigment and the wood. Either there will be too little oil to penetrate the wood, or too little to give the paint coat elastic binding power to hold under the contraction of future coats. Flatting, checking, chalking or peeling may result, and in any case you have a surface difficult to repaint.

The absorbing capacity of the surface must be satisfied first. Put on two properly thinned coats well brushed out. This will give an excellent base for further coats. But a surface in this condition soon shows weather-wear, for want of sufficient protective pigment.

In general, on old work, if surface is porous or absorbent, thin with pure linseed oil, if not absorbent, with turpentine.

INSIDE PAINTING.

The same care must be taken against dampness, from every source. Remove dirt, grease and dust, with turpentine if necessary. Shellac knots and sappy places. **Thin with turpentine** as linseed oil turns yellow when used inside. For that reason do not use Outside White inside. **Scrape and sandpaper clean.** Be extremely careful to have **free ventilation,** and plenty of light.

VARIOUS COATS.

First Coat or Primer—All other coats depend on success with the Primer. Thin only with pure linseed oil for dry or porous surface, or turpentine for pitchy surface—never benzine, gasoline or kerosene, for they furnish no binder and do not penetrate.

VARIOUS COATS.

Do not use ochre or dry colors—Use Outside or Inside White thinned with linseed oil or turpentine, one part thinner to three parts paint, generally. Apply second coat directly after the primer is dry, and before it becomes porous by "weathering."

Second Coat—See that Primer is entirely hard and dry throughout. Ordinarily Primer should dry one week to prevent blistering. Remember that you can't expect satisfactory results from any paint applied over an ochre or cheap primer. Use the paint as it comes from the can for second coat.

Before applying second coat, putty seams, cracks and nail holes. Brush out second coat thoroughly.

Third Coat—Three coat work is cheaper than two coat work in the long run. Use paint as it comes from can. Some people prefer to use not a new, but a well broken-in brush in working out this coat to secure a smooth even surface.

PAINTING OF VARIOUS WOODS.

Except as to color and coarseness of grain there is little to vary the directions for painting hard woods. A dark wood requires for proper hiding, more coats than a light wood, and a coarse grained wood requires a thinner paint as it absorbs more oil away from the pigment.

Pine-woods, however, vary in requirements, not only as to color and grain texture, but as to prevalence of sappy or pitchy spots. As suggested above, these spots must be treated with shellac, when detected, as perhaps by the spotting of the priming coat. For painting these woods turpentine is added in proportion to the amount of pitch in the wood, because turpentine penetrates pitch.

TO AVOID ABUSES THAT CAUSE NEEDLESS PAINT FAILURES.

A few simple reminders that avoid paint difficulties and bring out those extra handsome results that the careful workman takes pride in.

Never attempt to paint a house if the cellar is damp, unless you have very thorough ventilation.

Never paint while plaster is drying. The moisture makes sand blister or peel.

Never paint very hot surfaces. Blistering results from too rapid drying.

Never paint when there is great **moisture in the ground,** as after a frost or in very early spring.

Never use a **brilliant carmine or cherry,** where it will be exposed either to strong sunlight or severe weather. The red has not been invented that will stand this without "dulling."

Never paint near fresh mortar beds, because of the injurious heat, moisture and fumes.

Do not attempt painting too early in the spring. The unevenness of the sun's heat causes the wood pores in the heated portion of a wall to expand and receive more paint than the contracted pores of the shaded side. If you do, you will naturally find corresponding uneven results in the appearance of the finished paint coat. The safe rule is to follow the sun in the spring, and in the summer let the sun follow you.

Never attempt to paint until several dry days have **succeeded damp weather.**

GENERAL SUGESTIONS.

Sandpaper will cut faster if kept wet with benzine or turpentine.

For a smoky wall or ceiling give a coat of limewater before painting.

Chalk the back of sandpaper to keep it from slipping under the hand.

To paint over an old calcimined wall, wash off calsomine, size with a mixture of equal parts of raw oil, turpentine and japan, or with cheap varnish thinned with benzine.

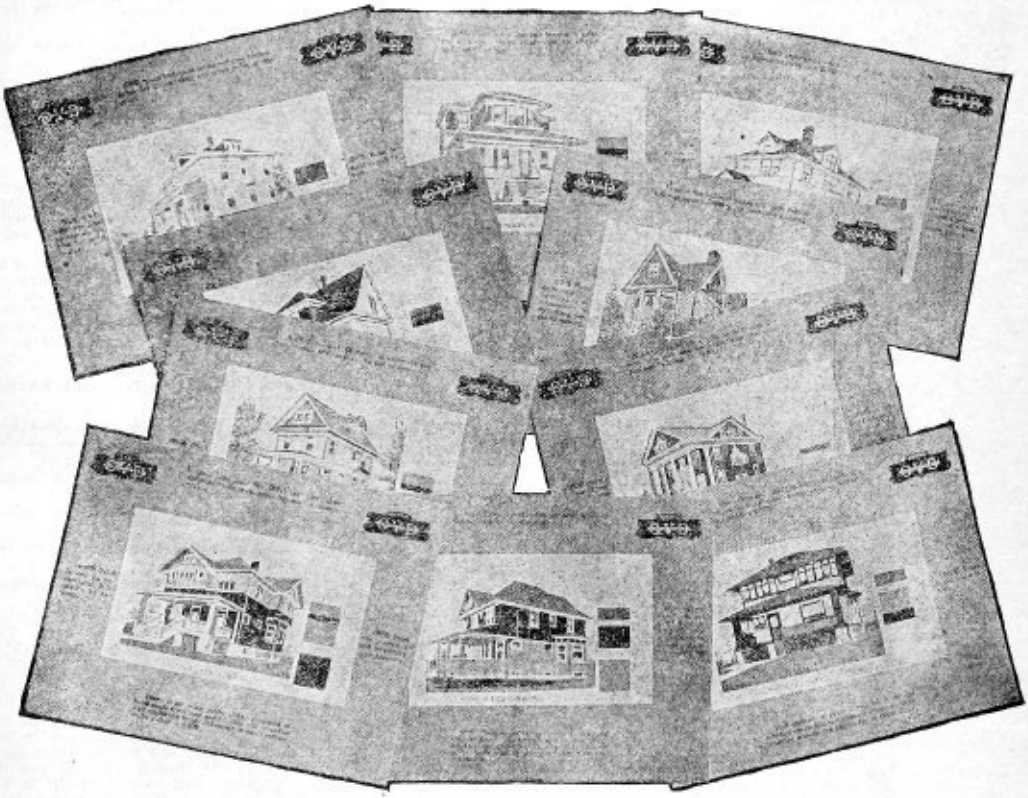
Red lead, a natural drier, should be applied quite thin, and be well brushed out.

SUGGESTING COLOR SCHEMES FOR THE HOME.

These display paint signs, on this and following pages, will "talk" paint to prospective purchasers while the sales force is engaged with other customers.

The **attractiveness** and **pulling power** of our "Store Advertising" is **one of the features of H. S. B. & Co.'s paints.**

Good store signs conspicuously placed not only bring to the store orders from folks who have decided to paint, but, by suggesting pleasing color schemes, arrest the attention of the property owners, who had not realized that their houses needed painting. Thus the Store Signs help create new business.



No. 575 HOUSE PAINT SUGGESTIONS.

Colored photographs mounted on very heavy cardboard with color chips attached. Seeing exactly how certain colors are going to look in combination. This is a real help to the property owner in deciding to paint. These handsome designs, set off by color shades at once fresh and tasty, set folks a-thinking, put the "repainting germ" into the property-owners' minds, show the possible artistic effects that they would like duplicated in their own homes. Furnished to Paint Agencies.

No. 590—A suggestion set like No. 575, but for White City House Paint.

KEEP YOUR NAME AND PAINT IN PEOPLE'S MINDS.



No. 490—18×24 in.

THESE DISPLAY SIGNS SENT FREE, WITH THE GOODS, TO O.V.B. DEALERS.

No. 425—Strong paraffined pasteboard waterproof attractively colored fence signs.

No. 435—Like No. 425 but printed for Barn Paint.

No. 440—Like No. 425 but printed for White City House Paint.

No. 450—Like No. 425 but printed for White City Barn Paint.
They "talk" paint to the Farmer when he rides along the country roads with little else to take his attention.

No. 460—This counter display stand shows the pure, dry and liquid ingredients used in O.V.B. Paint. Also space for forty color cards. Artistically ornamented, attractive.

No. 470—Enameled blue and white store front sign.

No. 490—5 ply, highly polished, with half cylinder color slats. Center mahogany panel colored in red, white, blue, black and gold.

AIDING THE USER TO SELECT HIS COLORS.



No. 500 COLOR PADDLE RACK.

Top section 36x9½ in. Unit section 36x4½ in. Paddles 9x3 in. Detachable paddle unit plan, celluloid on steel color display. Adjustable for showing 12, 24, 36 or with extra section, 48 colors. Dealers generally find it advisable to show only the colors carried in stock. One of the most striking, effective, but at the same time exclusive color racks ever offered. Furnished only with 100 gallon orders. Worthy of one of the most prominent positions in the store.

No. 550—A similar rack, but in highly polished wood, for White City House Paint.

DIRECTING THE USER WHERE TO BUY HIS PAINT.



THESE DISPLAY SIGNS SENT FREE WITH THE GOODS, TO H.S.B. & B. DEALERS.

Nos. 400, 401, 402, 404, 560—High grade CELLULOID—on steel—display panels, showing true colors on large chips, greatly assisting quick sales. Better than color cards. We furnish color cards in addition, however.

No. 560—Loose paddle rack for agents buying 50 gallons.

Nos. 405, 406, 407—Strikingly decorated "talks" on H.S.B. & B. Sundries. Heavy cardboard hanging signs.

No. 526—Fan showing the actual REVERE Creosote Shingle Stains on real wood.

OVB PAINTS AND SPECIALTIES

Just a Few Suggestive Colors. Let Us Send Complete Color Cards.

FIRST AND FOREMOST—QUALITY! We invite comparative tests of formulas and working qualities with any other paints. Remember, a few cents saving per gallon on cheap paint is poor satisfaction when the user is out paint, and what's more, labor cost for "doing over." Ask to see our COLOR SUGGESTIONS—a great help in choosing colors.

O V B House Paint	*O V B House Paint*	*O V B House Paint*	*O V B SANITARY FLAT WALL FINISH PAINT O V B Floor Paint*
939, Leather	*921, Terra Cotta*	*988, Flesh Tint*	*688, Blue (Wall)*
938, Pearl Gray	*925, Buff*	*980, Blue Gray*	*679, Dark Gray (Wall)*
946, Cherry	*913, Russian Gray*	*992, Deep Cream*	*683, Green (Wall)*
934, Fawn	*944, Amber*	*909, French Gray*	*680, Buff (Wall)*
905, Sky Blue	*910, Lead*	*945, Morocco Brown*	*795, Light Terra Cotta (Floor)*
912, Brick Red	*922, Willow Green*	*927, Slate*	*789, Yellow (Floor)*
937, Pea Green	*942, Canary*	*929, Moss Green*	*796, French Gray (Floor)*
914, Blind Green	*952, Kenwood Brown*	*901, Drab*	*797, Indian Red (Floor)*

OVB PAINT PURITY goes further than a pure lead and zinc base; it means chemically pure ("C. P.") colors. ("C. P.") Chrome Yellow, ("C. P.") Chrome Green, ("C. P.") Prussian Blue—the clear colors, without the "ochres" (clays) or chalk cheapening too often used. THAT'S WHY OVB COLORS LAST. Every ideal for paint wear and decoration is satisfied in OVB.

House Paint, Page 2412. Wall Finish, Page 2416. Floor Paint, Page 2413. Porch Paint, Page 2413.

MIXED HOUSE PAINTS.

GUARANTY.

WE GUARANTEE MIXED PAINT TO BE STRICTLY PURE, CONSISTING OF

Pigment Base.

STRICTLY PURE SUBLIMED WHITE LEAD 50%
STRICTLY PURE OXIDE OF ZINC 50%
AND NECESSARY PURE COLORING MATTER TO MAKE THIS TINT.

Liquid.

STRICTLY PURE RAW LINSEED OIL 91%
STRICTLY PURE SPIRITS OF TURPENTINE AND DRIER... 9%

MIXED PAINT IS SOLD SUBJECT TO CHEMICAL ANALYSIS AND IS GUARANTEED BY HIBBARD, SPENCER, BARTLETT & CO., ESTABLISHED IN 1855.

Hibbard Spencer Bartlett & Co

Paint represents the finest skill of expert paint grinders, after years of successful experimenting. Only the purest and strongest colors are used.

is better than hand mixed paint, because it is ground and re-ground repeatedly in the most modern high power pressure mills. This insures such an intimate union of pigment with pure linseed oil, which is the life of the paint, as can never be expected from the old fashioned "hand paddle" time and money wasting methods.

Very intimate mixing, great mathematical accuracy and absolute uniformity, are some of the reasons why Paint brings the user back for more.

To Ascertain the Amount of Paint Needed for a Job.

Example.

Front	40 feet
Rear	40 feet
Side	50 feet
Side	50 feet
	180

Multiply by average height..20
Divide by 300—3600—12 gals.

Figure one gallon of Paint will cover 300 square feet two coats on an average good surface. If it is rough and uneven more paint will be needed.

For priming coat do not use a cheap primer. Use Paint, reduced according to directions. The finishing coat is to be applied as received in the package after being thoroughly stirred.

Use only strictly pure boiled linseed oil for thinning.

How Mixed Paints are Packed.

6 one gallon cans in a case.
12 half gallon cans in a case.
24 quart cans in a case.
48 pint cans in a case.
96 half pint cans in a case.

DIRECTIONS.

Stir thoroughly before using. Putty all nail holes, and shellac all knots, pitchy or sappy parts. The surface to be painted should be dry and free from dust, dirt or grease. If paint is too thick, thin with boiled linseed oil for outside. For inside, small quantity of turpentine may be used. Let first coat dry hard before applying second.



Black and All Shades not Starred.

Barrels and Half Barrels, per gallon	AGE	$3.00
5 gal. Kits.....per gallon	AHJ	3.10
1 gal. cans.....per gallon	AHE	3.20
½ gal. cans.....per dozen	AIJ	3.30
1 qt. cans.....per gallon	BJJ	3.40
1 pt. cans.....per gallon	BJE	3.50

No. 914 starred shade, $0.50 advance, net.

Nos. 930 and 946 starred shades, $0.25 advance, net.

Colors.

No.		No.	
900	Blue Gray	929	Moss Green.
901	Drab.	*930	Carmine.
902	Deep Cream.	932	Vienna Drab.
903	Green Tint.	933	Flesh Tint.
905	Sky Blue.	934	Fawn.
907	Bottle Green.	935	Sea Green.
908	Ceiling Blue.	936	Warm Gray.
909	French Gray.	937	Pea Green.
910	Lead.	938	Light Terra Cotta.
911	Lemon.	939	Leather.
912	Brick Red.	941	Apple Green.
913	Russian Gray.	942	Canary.
*914	Blind Green.		
915	Ceylon Red.		
918	Light Manila.	944	Amber.
919	Deep Sea Green.	945	Morocco Brown.
920	Pink.	*946	Cherry.
921	Terra Cotta.	952	Kenwood Brown.
922	Willow Green.		Outside White.
923	Deep Olive.		Inside White, gloss finish.
925	Buff.		Inside White, flat finish.
926	Silver Gray.		Black.
927	Slate.		
928	Pearl Gray.		

*..Shades marked * take an advance in price.*

LET US SEND YOU COLOR CARDS.

★FOR FACTORY SHIPMENT ONLY.

ASSORTMENTS.

No. 65 Assortment Sanitary Flat Wall Finish—Consisting of 95 assorted cans containing 45¾ gallons, per assortment .....**JGIBJ** $129.30

	Gal.	½Gal.	¼Gal.
White	2	5	4
No. 671 Yellow		2	2
No. 672 Red		1	1
No. 674 Ivory	2	5	3
No. 676 Sky Blue	1	2	3
No. 677 Gray	1	1	1
No. 678 Pink	1	1	3
No. 679 Dark ray	1	1	1
No. 680 Buff	2	2	3
No. 681 Brown		1	3
No. 683 Green		1	2
No. 684 Leather	1	4	2
No. 685 Medium Green.	1	1	2
No. 686 Tan	1	2	4
No. 687 Dark Green...		1	1
No. 688 Blue		2	2
No. 690 Terra Cotta...	1	1	3
Sealer	3	6	

No. 160 House Paint Assortment—Consisting of 180 cans assorted colors containing 88 gallons, per assortment .....**AGBCE** $297.64

	Gal.	½Gal.	¼Gal.
Outside White	6	12	4
Inside White		4	4
Black		1	3
No. 900 Blue Gray....	1	3	3
No. 902 Deep Cream.	2	3	3
No. 903 Green Tint...	1	3	3
No. 905 Sky Blue.....		2	3
No. 909 French Gray.	1	3	3
No. 910 Lead	2	3	3
No. 911 Lemon	2	3	3
*No. 914 Blind Green.		1	4
No. 915 Ceylon Red..	1	3	3
No. 922 Willow Green	1	3	3
No. 927 Slate	6	4	6
No. 929 Moss Green..	1	3	3
No. 933 Flesh Tint...	1	3	6
No. 937 Pea Green...	2	3	3
No. 944 Amber	1	3	4
No. 945 Morocco Brown	6	3	4
*No. 946 Cherry		2	4
No. 952 Kenwood Brn.	2	3	3

No. 2401 House Paint Assortment—Consisting of 239 assorted cans containing 140 gallons, per assortment .....**BFGFJ** $461.20

	Gal.	½Gal.	¼Gal.
Outside White	6	4	4
Inside White		4	4
Black		4	2
No. 900 Blue Gray...	6	4	2
No. 901 Drab	3	2	2
No. 902 Deep Cream.	6	2	4
No. 903 Green Tint...	6	4	2
No. 905 Sky Blue		4	4
No. 909 French Gray.	6	2	2
No. 910 Lead	3	2	4
No. 912 Brick Red...	2	2	4
No. 913 Russian Gray	3	2	
*No. 914 Blind Green.		4	4
No. 922 Willow Green.	3	4	4
No. 925 Buff	3	4	2
No. 926 Silver Gray..	3	2	2
No. 927 Slate	6	4	2
No. 929 Moss Green..	1	4	2
No. 933 Flesh Tint...		4	2
No. 934 Fawn	3	2	2
No. 937 Pea Green...	6	2	4
No. 938 Light Terra Cotta		4	4
No. 939 Leather	4	4	2
No. 942 Canary	2	3	4
No. 944 Amber	3	2	2
*No. 946 Cherry		2	4
No. 952 Kenwood Brn.	4	4	2

The above assortments contain all colors shown in No. 575 House Paint Suggestions.

PAINTS.

FLOOR PAINT.



Colors Permanent, Dries Hard Over Night. Regular Shades.

1 gal. cans.....per gallon **AEE** $2.60
½ gal. cans.....per gallon **AFJ** 2.70
1 qt. cans.....per gallon **AGJ** 2.80

No. 788 starred shade, $0.25 advance, net.

Colors.

No.	No.
*788—Red.	795—Light Terra Cotta.
789—Yellow.	796—French Gray.
790—Drab.	797—Indian Red.
791—Saxon Green.	798—Brown.
792—Light Oak.	799—Orange.
793—Dark Oak.	
794—Slate.	

It is in beauty of finish, body and wearing qualities that **Floor Paint** *is superior.*

Floor Paint *is backed by the maker's experience, worked out through a generation of successful daily practice.*

In beauty of finish, body, and durability, we consider it superior, for ordinary inside work, to any floor paint now on the market.

It dries hard over night—no stickiness. It is all ready for the brush after a thorough stirring.

It cements the cracks, fills the pores of the wood and makes a hard, serviceable coating. Floors are washed often, and **Floor Paint** *stands hard scrubbing—almost like stone. One gallon covers 250 square feet, two coats.*

FLOOR PAINT ASSORTMENTS.

No. 1223 Assortment—Consisting of 29 assorted cans containing 10 gallons, per assortment .....**AFEJ** $27.46

	½ Gal.	¼ Gal.
No. 789 Yellow	2	4
No. 791 Saxon Green	1	2
No. 793 Dark Oak	2	2
No. 794 Slate	2	4
No. 796 French Gray	1	2
No. 797 Indian Red	2	2
No. 798 Brown	1	2

No. 2425 Assortment—Consisting of 50 assorted cans containing 20 gallons, per assortment .....**CBGJ** $54.50

	½ Gal.	¼ Gal.	Gal.
No. 769 French Gray		2	2
No. 788 Red			2
No. 789 Yellow	1	2	4
No. 791 Saxon Green		1	2
No. 792 Light Oak		1	2
No. 793 Dark Oak	1	2	4
No. 794 Slate	1	2	4
No. 795 Light Terra Cotta		1	2
No. 797 Indian Red	1	2	4
No. 798 Brown	1	2	4

PORCH PAINT.



Made For Painting Outside Steps and Porches.

1 gal. cans.....per gallon **AGJ** $3.00
½ gal. cans.....per gallon **AGE** 3.10
¼ gal. cans.....per gallon **AHJ** 3.20

Colors.

No.	No.
767—Russet Brown.	765—Light Slate.
766—Light Gray.	766—Dark Slate.

Dries "rock-hard" with a fine gloss and great wearing strength. Stands continued wet weather and repeated scrubbing almost like stone.

Porch *paint will be found to possess those qualities necessary to a paint able to withstand the severest tests.*

PAINTERS' GROUND COLOR.



1 gal. cans.....per gallon **AGJ** $2.50
½ gal. cans.....per gallon **AGE** 2.60
¼ gal. cans.....per gallon **AHJ** 2.70
1 pt. cans.....per gallon **AHE** 2.80

For under coat of all varnish stains, paint and enamel wood finishes, such as floor paints, grained work, doors, furniture, etc. Dries flat, ready for second coat.

SCREEN PAINT.



Ready for Use, for Painting Frame and Wire of Window Screens and Screen Doors.

	Per Can.
1 gal. cans	**ADE** $2.20
½ gal. cans	**JHJ** 1.20
1 qt. cans	**EJ** .70
1t pt. cans	**BE** .40
½ pt. cans	**AH** .24

Colors.

Lawn Green. Bottle Green. Black.

Made from rich, non-fading pigments ground and reground in durable outside spar varnish. Sticks firmly, resists all weather conditions, dries extremely hard.

*Shades marked * take an advance in price.*

LET US SEND YOU COLOR CARDS.

HOUSEHOLD PAINT.



Ready for Use, Just the Handy Size for the Housewife's Needs, Friction Top Can, Use a Little, then Re-Seal Until Next Time.

Made in Twenty-Two Shades.

¼ pt. Cans, starred and regular shades, each .....**AJ** $0.15
½ pt. cans, regular colrs, not starred, each .....**AE** $0.20
½ pt. cans, starred colors, Nos. 639, 640, 631, 635 and 624.....each **AH** $0.26

Colors.

Black.
White.

No.	No.
*624—Dark Blue.	633—Indian Red.
625—Olive.	634—Terra Cotta.
626—Light Drab.	*635—Cherry Red.
627—Dark Brown.	638—Pea Green.
628—Warm Gray.	*639—Chrome Green
629—Light Brown.	*640—Scarlet.
630—Dark Gray.	641—Blue.
*631—Chrome Yellow	643—Buff.

Do not confuse with **House** *Paint. Colors and composition are different.* **Household** *Paint especially for indoor use—chairs, shelves, etc.*

HOUSEHOLD PAINT ASSORTMENTS.

No. 1 Assortment—Consisting of 84 half pt. cans..per assortment **ACBJ** $30.00

	No. of cans.
Black	10
White	10
*No. 624—Dark Blue	4
No. 625 Olive	4
No. 626 Light Drab	4
No. 627 Dark Brown	4
No. 628—Warm Gray	4
No. 629 Light Brown	4
No. 630 Dark Gray	4
*No. 631 Chrome Yellow	4
No. 633 Indian Red	4
No. 634 Terra Cotta	4
*No. 635 Cherry Red	4
No. 638 Pea Green	4
*No. 639 Chrome Green	4
*No. 640 Scarlet	4
No. 641 Blue	4
No. 643 Buff	4

No. 2 Assortment—Consisting of 42 half pt. cans..per assortment **JFFJ** $10.00

	No. of cans.
Black	5
*No. 624 Dark Blue	2
White	5
No. 625 Olive	2
No. 626 Light Drab	2
No. 627 Dark Brown	2
No. 628 Warm Gray	2
No. 629 Light Brown	2
No. 630 Dark Gray	2
*No. 631 Chrome Yellow	2
No. 633 Indian Red	2
No. 634 Terra Cotta	2
*No. 635 Cherry Red	2
No. 638 Pea Green	2
*No. 639 Chrome Green	2
*No. 640 Scarlet	2
No. 641 Blue	2
No. 643 Buff	2

OVB AND REV-O-NOC SPECIALTIES

A Few Suggestive Colors. Let Us Send Complete Color Cards.

After all, color ENDURANCE depends mostly on RIGHTLY COMBINING the "bases" and color pigments. A poor mixture sets up destructive chemical action, detected soon after application of the paint, by fading color. With these specialties too, PURE COLOR PIGMENTS make for rich lasting tone. Our POSITIVE INSISTENCE ON ABSOLUTE FIRST QUALITY at this point places both seller and user at ease as to satisfying results.

OVB FLOOR AND FURNITURE STAIN

Very durable Varnish Paint. Renews shabby furniture as by magic. A child can use it.



Natural Wood



Malachite



Mahogany



Walnut



Light Oak



Cherry

OVB HOUSEHOLD PAINT

For everything inside, except floors. In just the handy size for the housewife.



624, Dark Blue



633, Indian Red



631, Chrome Yellow



638, Pea Green



639, Chrome Green



640, Scarlet

OVB CARRIAGE PAINT

Pure rich colors in finest carriage varnish, ready for use. Mirror Gloss. Paint today, drive tomorrow.



Tally-ho Red

Yellow



Coach Green



Vermilion

REV-O-NOC CREOSOTE SHINGLE STAIN

Kills rot, mildew, fungus growth. Prevents curling. Keeps shingles good as new.



308, Rustic Brown



905, Dark Moss Green



306, Light Moss Green



315, Bungalow Red

OVB WAGON AND IMPLEMENT PAINT

Flows easy. Heavy Wearing body. Dries hard and quickly. Prevents for the farmer, profit-eating rust.



Yellow



Blue



Vermilion



Green

FOR ROUGHER BUILDINGS
REV-O-NOC BARN PAINT
REV-O-NOC ROOF COATING



Rev-o-noc Slate Barn



Rev-o-noc Red Barn



Maroon Asphalt Coating



Moss Green Asphalt Co'g

Some have thought that special paints and stains are only a "side line" with the paint house, receiving perhaps second-rate skill and care. Not so with us. EVERY SINGLE SPECIAL PAINT AND STAIN IS A "SPECIALITY" IN EVERY QUALITY SENSE OF THE WORD. The success of each is the special care of some one of our veteran paint makers.

Floor and Furniture Stain, Page 2414. Household Paint, Page 2413. Carriage Paint, Page 2415. Shingle Stain, Page 2419. Wagon Paint, Page 2415 Barn Paint, Page 2419. Roof Coating, Page 2422.

PAINTS AND FILLERS.

FLOOR AND FURNITURE STAIN.



Gloss Finish, Ready for Use, Applied Same as Varnish.

1 gal. cans	per can	BBJ	$3.50
½ gal. cans	per can	AAE	1.80
1 qt. cans	per can	JFE	1.00
1 pt. cans	per can	CG	.50
½ pt. cans	per can	AI	.30
¼ pt. cans	per can	AD	.20

Colors.

Natural Wood, Light Oak, Dark Oak, Walnut, Mahogany, Cherry, Gloss White.

Strong, rich, pure color pigments, ground and reground in pure linseed oil, and very durable floor varnish. Much superior to many higher priced, highly advertised stains colored with analine dyes.

For graining apply Painters' ground color (page 2413), then graining colors (page 2417), then stain if desired, or varnish (page 2423).

Improves natural wood finish, old or new pine or hardwood, brings out the markings of the grain with very handsome effect.

Dull or Flat Stain, Ready for Use, Applied with Brush or Rag.

1 gal. cans	per can	ACJ	$3.50
½ gal. cans	per can	JGJ	1.80
1 qt. cans	per can	JDJ	1.00
1 pt. cans	per can	BE	.50
½ pt. cans	per can	AE	.30
¼ pt. cans	per can	AJ	.20

Colors.

Ground Color, Dead Black, Golden Oak, Fumed Oak, Flat Malachite, Mission or Weathered Oak.

flat finish is adapted for general decorative purposes, produces a complete finish in one operation, gives the dull soft effect seen in Colonial and Mission furniture. Used on new wood which has never been finished, or to refinish old wood after old finish has been entirely removed.

A coat of Shellac, Wax or Varnish may be easily applied over it. Reduced with turpentine, using from one to five parts of stain to one of turpentine, will produce a great variety of shades.

No. 1 Assortment—Consisting of 34 assorted cans containing 16½ pts., per assortment ..... JEGE $10.00

	¼ Pt.	½ Pt.	1 Pt.
Dark Oak, gloss finish..	3	4	1
Light Oak, gloss finish.	2	1	
Walnut, gloss finish....	1	1	1
Mahogany, gloss finish.	2	2	1
Cherry, gloss finish.....	1	1	1
Dead Black, flat finish.	1	1	
Natural, gloss finish....	2	2	1
Gloss White, gloss fin..	2	2	1

FLOOR AND FURNITURE STAIN ASSORTMENTS.

No. 3 Assortment—Consisting of 141 assorted cans containing 44½ qts., per assortment ..... CJJJ $50.00

Gloss Finish.

	¼ Pt.	½ Pt.	1 Pt.	1 Qt.
Green	2	2		
Dark Oak	8	8	7	5
Light Oak	4	4	1	2
Walnut	3	3	2	
Mahogany	8	8	4	2
Cherry	3	3	2	
Brilliant Black	4	4		
Natural	8	8	4	3
Gloss White	4	4	3	

Flat Finish.

	¼ Pt.	½ Pt.	1 Pt.	1 Qt.
Dead Black	4	4		
Ground Color	2	2	2	1

No. 15 Assortment—Consists of 104 assorted cans containing 54½ pts. per assortment ..... BACE $30.00

	¼ Pt.	½ Pt.	1 Pt.
Cherry	2	3	2
Light Oak	4	6	6
Dark Oak	6	8	8
Walnut	2	4	4
Mahogany	4	4	4
Natural	2	4	8
Mission Oak	4	4	2
Fumed Oak	2	3	1

CONCRETE COATINGS.

Tinted Waterproofing Coatings That Relieve the Dull, Lifeless Appearance of Cement and Concrete Surfaces and Absolutely Waterproof Them.

Floor Colors.

No. 486—Verdi gray **No. 488**—Amber
No. 487—Tan **No. 489**—Slate

Barrels and Half Barrels, per gallon ..... AHE $2.50
5 gal. cans .....per gallon AIJ 2.60

For concrete floors in factories, mills, power plants, garages, hotels, hospitals and basements. Prevents wear and dust formation, absorption of moisture, oil and grease. Produces a tough elastic surface that stands scrubbing. Covers 200 sq. ft. per gal., two coats.

Interior Colors.

No. 481—White **No. 483**—Buff
No. 482—Gray **No. 484**—Light gray

Barrels and Half Barrels, per gallon ..... AHJ $2.60
5 gal. cans .....per gallon AIJ 2.70

For all plastered surfaces, metallic ceilings, wainscotings, composition surfaces, beaver boards. For damp proofing all walls. Dries with a soft tone. For hospitals, schools, public institutions, residences, sanitariums, etc.

Exterior Colors.

No. 492—Silver gray **No. 494**—Dark lead
No. 493—Ivory **No. 495**—Copper brown.
No. 496—White

Barrels and Half Barrels, per gallon ..... BJE $2.70
5 gal. cans .....per gallon BAJ 2.80

For cement, concrete, plaster and brick outside surfaces. Prevents "air cracking."

A waterproofing of the very first grades.

Absolutely reliable in results.

GRAPHITE PAINT.



For Protecting Iron and Steel Construction from Electrolysis, Corrosion, Acid, Alkaline Reaction, and the Elements.

Barrels and Half Barrels, per gallon ..... ADE $2.20
5 gal. kits .....per gallon AEJ 2.30
1 gal. cans .....per gallon AEE 2.40
½ gal. cans ....per gallon AFJ 2.50
¼ gal. cans ....per gallon AGJ 2.60

Graphite is practically indestructible and makes an excellent preservative coating for iron and steel surfaces. Its covering properties are enormous, and no danger of rusting attends its use if surface is free from rust when the paint is applied.

GRAPHITE IN OIL.

Barrels, Half Barrels and 100 lb. Kegs, per pound ..... JI $0.15
25 lb. cans .....per pound AJ .17
12½ lb. cans .....per pound AA .18

This is the best grade of graphite, ground to a stiff paste in linseed oil. It should be thinned for use, the same as ordinary white lead or paste paint.

LIQUID WOOD FILLER.

Especially Made for Filling Pine and Any Other Close-Grained Wood, Ready for Use.

Barrels	per gallon	JIE	$1.06
Half Barrels	per gallon	JIE	1.60
5 gal. kits	per gallon	AJJ	1.70
1 gal. cans	per gallon	AAJ	1.80
½ gal. cans	per gallon	AAE	1.90
1 qt. cans	per gallon	ABE	2.10
1 pt. cans	per gallon	ADJ	2.30

Produces a smooth and hard surface and is superior to shellac in every respect. It dries hard and does not discolor the lightest wood. One coat of Liquid Wood Filler and one coat of varnish are equal to three coats of varnish on new work.

Paste Form, Colors Light, Dark and Golden Oak.

1 lb. cans	per can	AA	$0.18
2 lb. cans	per can	BJ	.36
5 lb. cans	per can	EE	.90
12½ lb. cans	per can	ABE	2.00
25 lb. cans	per can	BBE	3.50

We recommend that all wood, soft and hard, that is to be finished in shades of Light, Dark or Golden Oak, be first given a coat of Paste Wood Filler, the desired shade.

Wood Filler rubs off sharp and clean, leaving the pores of the wood perfectly filled. It is the most transparent of wood fillers and brings out the grain of the wood and preserves the natural beauty.

Never use wood fillers where they will be subjected to pounding, wear or moisture, as on floors.

PAINTS, ETC.

CARRIAGE PAINT.



The High Point in the Paint-Makers' Art, For Repainting Buggies Carriages, Garden Chairs, Settes, Etc.

1 qt. cans	per can	JFJ	$1.00
1 pt. cans	per can	CE	.60
½ pt. cans	per can	BE	.40

Vermilion or Carmine.

1 pt. cans	per can	JIJ	$1.20
1 pt. cans	per can	EJ	.80
½ pt. cans	per can	CJ	.50

Colors.

Wine.	Yellow.
Surrey Green.	Tally-ho Red.
Carmine.	Coach Green.
Black.	Vermillion.

Carriage Paints are made of the purest colors. These colors are ground and reground in the finest carriage varnish until every particle is in the finest state of subdivision obtainable.

It does not need rubbing, nor coat of varnish over it.

ASSORTMENTS.

No. 1200 Assortment—Consisting of 40 assorted cans containing 20 qts., per assortment .....ADDJ $24.00

	½ pt.	1 pt.	1 qt.
Wine	2	3	1
Surrey Green	2	3	1
Black	2	5	1
Yellow	2	5	1
Tally-ho Red	2	3	1
Coach Green	2	3	1

No. 2400—Assortment—Consisting of 80 assorted cans containing 40 qts., per assortment .....BHHJ $48.00

	½ pt.	1 pt.	1 qt.
Wine	4	6	1
Surrey Green	4	6	2
Black	4	10	3
Yellow	4	10	2
Tally-ho Red	4	6	2
Coach Green	4	6	2

AUTO COLOR VARNISH.

A High Class Finish for Autos, Carriages, Etc. Ready for Use, Easy to Apply.

1 qt. cans	per can	ABJ	$1.50
1 pt. cans	per can	GJ	.80

Colors.

Gray	Gloss Black
Green	Dead Black
Red	Blue

Composed of absolutely pure colors ground in the finest varnish, it produces a smooth surface unsurpassed for beauty and durability.

It dries slowly, imparting a durable, weather-resisting finish that can be washed without danger of fading.

WAGON AND IMPLEMENT PAINT.



Insurance Against the Rust That Eats Up the Farmers' Profits. For Carts, Wagons and Farm Implements, Dries Hard Over Night, Ready For Use.

1 gal. cans	per can	BAE	$3.00
½ gal. cans	per can	AAJ	1.56
1 qt. cans	per can	FJ	.80
1 pt. cans	per can	CJ	.48

Colors.

Permanent Red.	Yellow.
Green.	Vermilion.
Black.	

Made for re-painting lumber wagons, sleighs and farm implements. It readily flows from the brush, is of good body, and dries hard. It will not blister. This paint is made of most durable pigments, ground in a good coach varnish. It will resist the wear and tear to which a lumber wagon is subjected, besides remaining bright. A coat of this paint on a farm wagon, dray, truck or express wagon will make it look like new and lengthen its life of usefulness.

CARRIAGE TOP DRESSING.



1 qt. cans	per dozen	JGBJ	$12.00
1 pt. cans	per dozen	DBJ	7.00
½ pt. cans	per dozen	BIJ	4.00

Is composed largely of high grade leather oil, has a good wearing body, is waterproof and will retain its lustre.

LET US SEND YOU COLOR CARDS.

FLOOR WAX.



1 lb. cans	per can	CJ	$0.50
2 lb. cans	per can	JFJ	1.00
4 lb. cans	per can	AAE	1.90

Floor Wax is of finest quality and very durable. May be used for polishing old floors that have been shellacked or varnished, as well as for new floors.

FLAT WHITE PAINT.



White, for Interior Use.

		Per Gallon.
Barrels and Half Barrels	AGE	$3.30
5 gal. Kits	AHJ	3.40
1 gal. Cans	AHE	3.50
½ gal. Cans	AIJ	3.60
¼ gal. Cans	BJJ	3.70

As an undercoating for enamel it is unsurpassed, drying with a perfect dead finish, and being possessed of the greatest capacity or body of any paint known. The absolutely dead finish obtained takes enamel coatings much better.

OUR VERY BEST PAINTS, ENAMELS, ETC.

SANITARY FLAT WALL FINISH PAINT.



See Assortment on page 2412.

For that Rich, Deep, Soft, Mellow Tone of Water Colors, Yet One That Age Cannot Destroy.

1 gal cans .....per gallon	AHE	$2.90
½ gal. cans ....per gallon	AIJ	3.00
¼ gal. cans .....per gallon	BJJ	3.10

Colors.

No. 671—Yellow.	**No. 681**—Brown.
No. 672—Red.	**No. 683**—Green.
No. 674—Ivory.	**No. 684**—Leather.
No. 675—White.	**No. 685**—Medium Green.
No. 676—Sky Blue	
No. 677—Gray.	**No. 686**—Tan.
No. 678—Pink.	**No. 687**—Dark Green
No. 679—Dark Gray.	**No. 688**—Blue.
No. 680—Buff.	**No. 690**—Terra Cotta.

An oil and flat varnish paint—not a calsomine or cold water paint. Made of pigment specially adapted for interior use. Will not darken or "yellow" in the dark or strong sunlight. Great covering, hiding power, strength and endurance of color far surpassing most so-called "flat wall" paints, because its pigment is right. No money has been spared in materials. Our rule is the best at any cost. THE BEST THAT CAN BE MADE.

For plastered walls, burlap, canvas, woodwork, metal; non-fading, non-absorbent, as washable as porcelain and more durable than calcimine. Its wonderful spreading power under the brush due to extremely fine grinding. Dries perfectly without showing streaks or laps, or brush marks, needs no stippling. Satiny finish. Its porcelain-like surface perfectly withstands hard, frequent scrubbing with soap and water, without checking, scaling or peeling.

FLAT WALL FINISH SEALER.

Barrels .....per gallon	**ABJ**	$1.60
5 gal. cans.....per gallon	**ABE**	1.70
1 gal. cans.....per gallon	**ACJ**	1.80
½ gal. cans.....per gallon	**ADJ**	1.90
¼ gal. cans.....per gallon	**ADE**	2.00

To prevent suction or the chemical action of the material in the plaster or cement from attacking the delicate coloring pigments of the paint. Do not use a cheap gloss oil, or glue size, for such will soften up under the "O. V. B." Sanitary Flat Wall Finish. First fill all cracks and holes with plaster paris, then coat with the "O. V. B." Sealer, and allow this sealer sizing to dry before applying the paint. No sizing necessary on wood or metal work. Burlap walls or previously calcimined walls should be given a coat of the sizing before painting.

LIQUID ENAMEL.



For Rich Colonial Effects in Interior Decorative Work of Every Description.

1gal cans .....per can	**BAE**	$3.60
½ gal. cans .....per can	**ABJ**	1.90
1 qt. cans .....per can	**JFE**	1.00
1 pt. cans .....per can	**DJ**	.50
½ pt. cans .....per can	**BJ**	.30
¼ pt. cans .....per can	**AE**	.20

Colors.

Light Blue.	Sea Green.	Scarlet.
Dark Blue.	Olive.	Lavender.
Turquoise.	Pink.	Black.
Old Rose.	Canary.	White.

Selected pure, high strength pigments ground in very elastic mixing varnish to give the most attractive effects in gloss interior decoration on walls or woodwork. Dries quickly with high gloss, stands repeated washing with soap and water, like porcelain. For use on bicycles, bird cages, chairs, mirrors, picture frames, vases, jardineres and furniture.

No. 60 Assortment—Consisting of 60 assorted cans containing 35 pts., per assortment .....**ACAJ** $20.00

	¼ PT.	½ PT.	1 PT.
Light Blue.....	2	2	2
Dark Blue.....	2	2	2
Turquoise	1	1	1
Old Rose.....	1	1	1
Sea Green.....	1	1	1
Olive	2	2	2
Pink	1	1	2
Canary	1	1	1
Scarlet	2	2	2
Lavender	1	1	1
White	2	2	2
Black	2	2	2

DUTCH ENAMEL.



Carried in White Only.

1 gal. cans .....per gal.	**EAJ**	$8.50
½ gal. cans .....per gal.	**EBJ**	8.70
1 qt. cans .....per gal.	**ECE**	8.90
1 pt. cans .....per gal.	**EEJ**	9.20
½ pt. cans .....per gal.	**EGE**	9.60

Dutch Enamel is a perfect, beautiful, durable white enamel finish that will wear like porcelain. Intended only for the very best class of finishes. extremely elastic and will not crack or check under any conditions. Will stand outside or inside. Works freely, flows together instantaneously and presents a surface of greater covering capacity and opacity than any enamel on the American market.

LET US SEND YOU COLOR CARDS.

BATH TUB ENAMEL.

White Only.

Ready for Use, Apply with Varnish Brush, Three Coats will Produce a Hard Porcelain Finish.



1 gal. cans .....pe rcan	**BIJ**	$5.40
½ gal. cans .....per can	**AFJ**	2.40
1 qt. cans .....per can	**AAJ**	1.26
1 pt. cans .....per can	**FE**	.74
½ pt. cans .....per can	**CJ**	.42

"O. V. B." bath tub enamel is made for use on the inside of bath tubs. Will stand hot and cold water.

BLACKBOARD SLATING.



A Deep, Dense, Rich Black Which Freshens up Old Worn Black Boards so They Look Like New.

Capacity.....	1	½	¼ gal.
Per can.....$3.60	1.90	1.10	
	BAE	**AAE**	**JFE**
Capacity.....	1	½ pt.	
Per can.....$0.64	.40		
	DJ	**BE**	

It contains just enough carison to cut the crayon nicely without feeling gritty to the touch. Has given universal satisfaction in a number of large public schools.

For a new surface apply 3 or 4 coats: for renewing old surfaces 1 or 2 coats are ample.

CRACK AND CREVICE FILLER.



1 lb. cans .....per can	**AE**	$0.20
5 lb. cans .....per can	**JGJ**	1.00

For filling cracks, crevices, checks, etc., in hard or soft wood flooring, wood work, varnished surfaces, etc. An adhesive, non-shrinking filler that hardens equal to the wood. It can be sandpapered, waxed, varnished and painted or stained any color to match surroundings.

COLORS, OCHRES AND MINERALS IN OIL, ETC.

PURE COLORS IN OIL.



Of all pain products, colors in oil are among the most difficult to make right. Many paint manufacturers do not attempt it but buy their colors outside. Colors in Oil represent the highest skill known in the paint grinders' trade. Two pounds do the work of three pounds of ordinary colors.

Special discounts on quantity purchases.

Blacks.

Refined Lamp Black	per lb.	BD	$0.33
Coach Black	per lb.	BB	.30
Ivory Black	per lb.	BB	.30
Drop Black	per lb.	BB	.30

ONE POUND CANS.

Browns.

Raw and Burnt Umber	per lb.	BB	$0.30
Raw and Burnt Sienna	per lb.	BB	.30
Vandyke Brown	per lb.	BB	.30

ONE POUND CANS.

Blues.

***Prussian Blue, C. P.**	per lb.	GJ	$1.00
***No. 1 Prussian Blue**	per lb.	EE	.75
†Ultramarine Blue, C. P.	per lb.	CA	.44

**Prussian blue is put up in ½ lb. and ¼ lb. cans. Price in ½ lb., 5 cents higher, in ¼ lb. cans 10 cents higher.*

†Ultramarine blue is put up in ½ lb. cans, the price of which is 5 cents higher.

ONE POUND CANS.

Greens.

Chrome Green, M.&D.	per lb.	EE	$0.30
Olive or Bronze Green	per lb.	CJ	.41

ONE POUND CANS.

Reds.

Indian Red	per lb.	AI	$0.26
Venetian Red	per lb.	AC	.18
Tuscan Red	per lb.	BD	.33
American Vermilian	per lb.	BI	.40
Turkey Red	per lb.	BI	.40

ONE POUND CANS.

Yellows.

Chrome Yellow, L. M. and D. O., C. P.	per lb.	CE	$0.48
No. 1 Chrome Yellow, L. M. O. and D. O.	per lb.	BE	.35
Yellow Ochre	per lb.	AF	.22
Golden Ochre	per lb.	BJ	.28
French Ochre	per lb.	AF	.22

ONE POUND CANS.

For large consumers and dealers, we will put up colors in oil in 12½ lb. and 25 lb. cans at ½ cent per lb. less; 100 lb. kegs at 1 cent per lb. less.

ABBREVIATIONS—L, light; M, medium; D. O., dark orange; C. P., chemically pure.

COLORS IN JAPAN.



Blacks.

Ivory Jet Black A	per lb.	DB	$0.60
Ivory Black B	per lb.	CF	.50
Coach Painters' Drop Black C	per lb.	BI	.40
Lamp Black	per lb.	BE	.35

ONE POUND CANS.

Graining Colors.

Light and Dark Oak	per lb.	AF	$0.21

OCHRES AND MINERALS IN OIL.

100 lb. Kegs, for Priming or Finishing.

			Per lb.
French Gray Ochre	D	G-H	$0.08¼
Painters' Special Ochre	J	E A-B	.10¾
Rochelle Ochre	E		.09
White Ochre	E		.09
Light Gray Ochre	E	A-H	.09¼
French Yellow Ochre	D	G-H	.08¾
Red Ochre	E	A-H	.09¼
English Venetian Red Ochre	E	G-H	.09¼
American Venetian Red Ochre	D	G-H	.08¾
Imperial Ochre	E	A-H	.09¼

25 lb. pails ½ cent, 12½ lb. pails 1 cent per pound advance.

PRINCE'S MINERAL IN OIL.

Genuine Prince's Mineral Ground in Pure Linseed Oil.

Barrels	per lb.	JF	$0.10

This is in paste form and is to be thinned with linseed oil and turpentine.

25 lb. pails ½ cent; 15 lb. pails 1 cent per pound advance.

LET US SEND YOU COLOR CARDS.

CARRIAGE AND AUTOMOBILE PAINT.



Wine, Black, Yellow and Coach Green,

1 qt. cans	per can	EJ	$0.84
1 pt. cans	per can	CD	.57
½ pt. cans	per can	BC	.38

Vermillion or Tally-Ho Red.

1 qt. cans	per can	JFC	$1.04
1 pt. cans	per can	DE	.76
½ pt. cans	per can	CJ	.48

REVONOC *Carriage Paint is a brilliant, one-coat finish, made of the most permanent of colors and the best coach varnish, skillfully and carefully combined to produce the most brilliant tone and effect possible and at the same time give a durable and lasting finish.*

Suitable for repainting all kinds of vehicles or anything requiring a high-gloss finish, such as buggies, carriages, wagons, implements, chairs, iron fences, lawn seats, store fronts, window sash, etc. No varnishing is required.

Carry a line of goods on which you can rely. Our reputation founded on over half a century's business stands back of the brand.

Bright and attractive labels help the sale of goods—Every item bears a neat and artistic label.

BARN, ROOF, IRON PAINTS, ETC.

REV-O-NOC BARN PAINT.



WE GUARANTEE REV-O-NOC BARN PAINT TO GIVE SATISFACTION WHEN PROPERLY APPLIED ON A GOOD SURFACE. IF IT DOES NOT PROVE TO BE EXACTLY AS REPRESENTED, WE AGREE TO FURNISH PAINT TO REPAINT FREE OF CHARGE. WE PRINT FORMULA ON EVERY LABEL AND SELL SUBJECT TO A CHEMICAL ANALYSIS.

Hibbard Spencer Bartlett & Co.

The REV-O-NOC barn paint is a perfect harmony of ingredients, accurately proportioned by expert makers, and ground and mixed by the best modern machinery.

We all want the "Extra"—the something out of the ordinary. The extra quality of goods brings "Extra" profitable returns to the dealer. The price may be a little higher, but the quality creates in the buyer that satisfied feeling of money well spent.

REV-O-NOC barn paint is made to supply the necessity every dealer wishes for, namely, goods of quality that will not only hold trade, but also increase trade.

The REV-O-NOC barn paint is made of the best red oxide and far excels ordinary Venetian red. Ordinary Venitian red will soon fade and streak white. REV-O-NOC barn paint is a very bright, unfading red and will stand the racket of any and all atmospheric changes, its durability being unequaled, making it the best paint for barns, tin roofs, grain elevators, fences, depots, freight cars, etc. It will cover 250 square feet two coats to the gallon, on new wood with ordinary surface, on old wood or rough surface, less—on tin roofs or iron work, more.

Especially adapted for Painting Barns, Roofs, Bridges, Fences, Etc.

Barrels	.....per gallon	**AAE**	$1.80
Half Barrels	.....per gallon	**AAE**	1.90
5 Gal. Kits	.....per gallon	**ABJ**	1.90
3 Gal. Cans	.....per gallon	**ABJ**	1.90
1 Gal. Cans	.....per gallon	**ABE**	2.00
½ Gal. Cans	.....per gallon	**ACJ**	2.10

Sold in red only.

REV-O-NOC IRON PAINT.



Especially Adapted for Painting Tin and Iron Roofs, Iron Fences, Gutters, Cornices, Structural Iron Work, Etc.

Barrels	.....per gallon	**AAE**	$1.80
Half Barrels	.....per gallon	**AAE**	1.80
5 Gal. Kits	.....per gallon	**ABJ**	1.90
1 Gal. Cans	.....per gallon	**ABE**	2.00
½ Gal. Cans	.....per gallon	**ACJ**	2.10

Colors.

Red.
Steel Gray—carried in 1 gal. cans only.

Its ingredients are accurately proportioned and blended so that they produce the best paint for the purpose. REV-O-NOC Iron paint will stand the contraction and expansion of cold and heat without cracking or chipping off. It has great elasticity and toughness which is a guarantee of good wear. Subjected to the heat of sun, steam, and fire. REV-O-NOC Iron paint is especially desirable for all metals.

REV-O-NOC FLOOR WAX.



For Floors, Furniture and Woodwork.

1 lb. cans	.....each	**BE**	$0.42
2 lb. cans	.....each	**EJ**	.84

Apply one coat of REV-O-NOC Paste Wood Filler, allowing twelve hours for filler to dry. Then apply two coats of REV-O-NOC Floor Wax, polishing each coat thoroughly.

For old floors in worn condition, clean with turpentine or benzine before applying wax. If floors are coated with varnish or shellac, remove the old finish with varnish remover and proceed same as for new floors.

100 LBS. IN A WOODEN CASE.

★*FOR FACTORY SHIPMENT ONLY.*

REV-O-NOC SHINGLE STAIN.



Also Fence Post Preservative.
Ready for Use, Can Be Put on Either with Brush or by Dipping. Stir very thoroughly to mix pigment with oil.

Barrels★	.....per gallon	**JIJ**	$1.30
Half Barrels★	...per gallon	**JIJ**	1.30
5 Gal. Kits	.....per gallon	**JIE**	1.40
1 Gal. Cans	.....per gallon	**AJJ**	1.50

Colors.

No. 305—Dark Moss Green.
No. 307—Moss Green.
No. 308—Brown.

REV-O-NOC *Creosote Shingle Stain is best for unpainted shingles or to give that rough artistic, weathered effect on any exterior wood, because the strong creosote oil penetrates deep, carrying pigment into the pores and making the stain virtually part of the wood itself.*

Creosote Oil is a natural wood preservative and prevents rot, fungus growth, and mildew, on shingles, corncribs fences and fence posts, greatly reducing the repair bill for lumber. Shingles should never be painted. But if painted once they cannot be stained; but should be painted again.

QUANTITIES REQUIRED.

For soaking, three gallons per thousand.

For dipping (2-3 each), two gallons per thousand.

Brush work (on the roof), one gallon per 200 square feet.

Soaking is cheapest in the long run.

CRUSO SHINGLE STAIN.

5 Gal. Cans	.....per gallon	**JGJ**	$1.10
1 Gal. Cans	.....per gallon	**JHJ**	1.20

Colors.

No. 230—Moss Green.

CRUSO FLOWER BOX PAINT.

½ Gal. Cans	.....per gallon	**AEJ**	$2.50
¼ Gal. Cans	.....per gallon	**AGJ**	2.80

No. 1321—Blind Green.

Brightens up and preserves the old flower box. Just the thing for use in greenhouses and conservatories.

WHITE CITY HOUSE PAINTS AND COLORS.

WHITE CITY PAINT.

White City House Paint is an intimate combination of White Lead, Zinc, Inert Pigment and Linseed Oil, mixed with durable coloring matter.

White City House Paint is one of the biggest values offered on the paint market today. It has a remarkably fine record for excellent service to the paint user, in every part of the country.

Because of the great care exercised in grinding to unite the pigment thoroughly with the linseed oil, White City House Paints will be found to last much longer, and spread better than paint materials stirred and tinted by hand.

WHITE CITY COLORS IN OIL.

Yellows.

No. 1—Chrome Yellow, medium, per pound .....**AH** $0.30

No. 1—Chrome Yellow, dark, per pound .....**AH** $0.30

Blacks.

Lamp Black .....per pound **AH** $0.30
Drop Black .....per pound **AH** .30

Browns.

Raw and Burnt Umber, per pound .....**AE** $0.26

Raw and Burnt Sienna, per pound .....**AE** .26
Van Dyke Brown, per pound **AE** .26

Greens.

Chrome Green, medium and dark, per pound .....**AE** $0.26

Reds.

Venetian Red .....per lb. **AA** .18
American Vermilion, per lb. **AH** .30

ONE POUND CANS.



White and Black and All Shades Not Starred.

Barrels and Half Barrels, per gallon .....**ADJ**		$2.40
5 Gal. Kits .....per gallon **ADE**		2.50
1 Gal. Cans ....per gallon **AEJ**		2.60
½ Gal. Cans ....per gallon **AEE**		2.70
1 Qt. Cans ....per gallon **AFJ**		2.80
1 pt. Cans ....per gallon **AGJ**		2.90

No. 1138, starred shade, $0.25 advance, net.

Nos. 1123, 1128 and 1147 starred shades, $0.50 advance, net.

To Ascertain the Amount of Paint Needed for a Job. Example.

Front, feet	40
Rear, feet	40
Side, feet	50
Side, feet	50
	180
Multiply by average height	20
Divide by 250—3600—14.4 gals.	3600

Figure one gallon of White City Paint will cover 250 square feet two coats on an average good surface, if it is rough and uneven more paint will be needed.

For priming coat do not use a cheap primer. Use White City Paint reduced according to directions. The finishing coat is to be applied as received in the package after being thoroughly stirred.

Use only strictly pure boiled linseed oil and turpentine for thinning.

Stir thoroughly before using. Putty all nail holes, and shellac all knots, pitchy or snappy parts. The surface to be painted should be dry and free from dust, dirt or grease. If paint is too thick, thin with boiled linseed oil for outside, for inside, small quantity of turpentine may be used. Let first coat dry hard before applying second.

"White City" Screen Paint.

Black or Green, Formula Label.

5 gal. ..... per can **CIJ**		$6.50
1 gal. ..... per can **JIJ**		1.50
½ gal. .....per can **EJ**		.80
1 qt. .....per can **CJ**		.50
1 pt. .....per can **AH**		.30

SCREEN PAINT.

IXL Black Only.

1 gal. ..... per can **JHJ**		$1.30
½ gal. .....per can **DE**		.76
¼ gal. .....per can **BE**		.44
1 pt. ...?.....per can **AE**		.26
½ pt. .....per can **JH**		.14

A low grade screen paint listed to meet the demand for a cheap article only.

WHITE CITY HOUSE PAINT COLORS.

No.	No.
1100—Centnl. Brwn.	1128—Chrme. Yelw.
1101—Dove.	1129—Buff.
1103—Lavender.	1131—Spruce.
1105—Tan.	1133—Pink Tint.
1107—Slate.	1134—Lgt. Stone.
1110—Pale Gray.	1136—Lethr. Brwn.
1112—Silver Gray.	1137—Indian Red.
1113—Pure Gray.	1138—Cherry Red.★
1114—Warm Gray.	1139—Maroon.
1117—Sea Green.	1140—Silk Green.
1118—Vienna Drab.	1141—Apple Green.
1120—Sky Blue.	1143—Pea Green.
1121—Azure Blue.	1144—Moss Green.
1122—French Blue.	1145—Willow Green.
1123—Dark Blue.★	1147—WhiteCy.Grn.★
1125—Cream.	Outside White.
1126—Colnl. Yelw.	Inside White.
1127—Light Straw.	Black.

WHITE CITY HOUSE PAINT ASSORTMENTS.

No. 524 Assortment—Consisting of 196 assorted cans containing 94 gallons, per assortment .....**ADEHJ** $257.36

	1 Gal.	½ Gal.	¼ Gal.
O'tside White	4	6	12
Inside White		4	8
Black		2	4
No. 1100—Centnl. Brwn.	1	2	2
No. 1101—Dove	1	2	2
No. 1103—Lavender	1	2	2
No. 1105—Tan	1	2	2
No. 1107—Slate	2	2	4
No. 1112—Silver Gray..	2	4	4
No. 1113—Pure Gray ...	2	4	4
No. 1120—Sky Blue		4	4
No. 1122—French Blue..		4	4
No. 1125—Cream	3	4	2
No. 1127—Light Straw..	3	2	2
No. 1128—Chr'me Yel'w★	1	2	2
No. 1129—Buff	2	2	2
No. 1131—Spruce	2	2	2
No. 1134—Light Stone..	2	2	2
No. 1136—Lethr. Brwn.		2	4
No. 1137—Indian Red..	1	2	4
No. 1138—Cherry Red★		2	2
No. 1139—Maroon	1	2	2
No. 1141—Apple Green.	2	2	2
No. 1143—Pea Green ..	3	4	4
No. 1145—Willow Green	1	2	2
No. 1144—Moss Green..	1	2	2
No. 1147—WhiteCy.Grn.★		2	2

No. 516 Assortment—Consisting of 198 assorted cans, containing 107 gallons, per assortment .....**AFGFE** $271.40

	1 Gal.	½ Gal.	¼ Gal.
O'tside White	6	6	4
Inside White		4	4
Black		1	4
No. 1100—Centnl. Brwn.	6	2	4
No. 1101—Dove	3	4	4
No. 1105—Tan	3	4	4
No. 1112—Silver Gray..	6	4	4
No. 1113—Pure Gray ..	3	4	4
No. 1121—Azure Blue ..		2	4
No. 1125—Cream	6	6	4
No. 1128—Chr'me Yel'w★			4
No. 1129—Buff	3	4	4
No. 1136—Lethr. Brwn.	3	4	4
No. 1147—WhiteCy.Grn.★		4	4
No. 1144—Moss Green..	3	4	4
No. 1143—Pea Green ..	4	6	4
No. 1141—Apple Green.	6	4	4
No. 1137—Indian Red..	2	2	4
No. 1138—Cherry Red★		2	4

Colors marked (★) are higher in price than White or Ordinary Tints.

FLOOR, BARN AND WALL PAINT.

WHITE CITY FLAT WALL PAINT.



1 gal. cans	....per gallon	AFJ	$2.50
½ gal. cans	....per gallon	AGJ	2.60
¼ gal. cans	....per gallon	AGE	2.70

Colors.

562—Blue.	573—Buff.
563—Leather.	574—Ivory.
564—Medium Green.	575—White.
565—Tan.	576—Sky Blue.
566—Terra Cotta.	577—Gray.
572—Red.	578—Pink.

White City Flat Wall Paint meets the demand for a medium priced yet dependable Flat Wall Finish, now so much in vogue. White City Flat Wall Paint is an oil and flat varnish paint made of pigment specially adapted for interior use. It produces a satin-like effect that withstands frequent washing without scaling or peeling. For plastered walls, burlap, canvas, woodwork, metal, etc. Its great covering capacity is the result of extremely fine grinding. Dries perfectly without showing brush marks and needs no stippling.

"White City" Flat Wall Paint Sealer.

1 gal. cans	.....per gallon	AAE	$1.70
½ gal. cans	..... "	ABJ	2.00
¼ gal. cans	..... "	ABE	2.10

999 VENETIAN RED BARN PAINT.



No. 999 Venetian Red.

CAPACITY.	BBLS.	5 GAL. CANS.	1 GAL. CANS.
Per gallon	$1.10	1.20	1.30
	JGJ	JHJ	JHE

This is a strong, red barn paint put up under formula and can be sold in pure paint law states.

Price subject to advance without notice.

LET US SEND YOU COLOR CARDS.

WHITE CITY FLOOR PAINT.



All Shades.

CAPACITY.	1 GAL.	½ GAL.	¼ GAL.
Per gallon	$2.00	2.10	2.30
	ABJ	ABE	ACJ

No. 1—Yellow.	No. 4—Slate.
No. 2—Orange Yellow.	No. 5—Red.
No. 3—Gray.	

On floors, decks, and piazzas these paints show exceptional elasticity and wearing qualities due to the careful selection of proper pigments and because of the character of the varnish and oils in which these pigments are ground. Although for the very finest results, we recommend [illegible] floor paint (page 2413), yet White City Floor Paint is thoroughly dependable and an unusual value.

CREOGRAPHITE MIXED PAINTS.



Colors.

No. K—Dark Green	No. N—Indian Red
No. L—Moss Green	No. R—Dark Slate
No. M—Black	No. P—Light Slate

FOR COLORS, SEE PAGE 2434.

Wood and Iron Preservative.

Bbls.—50 gal.	....per gallon	J I J $1.60
½ Bbls.—30 gal.,	per gallon	J I J 1.60
5 gal. kits	.....per gallon	J I E 1.70
1 gal. cans	.....per gallon	A J J 1.80

Creographite mixed Paint meets a demand for a low priced general utility paint for shingle, tin, iron, wood canvas or felt work as well as structural iron work, boilers, smoke stacks, iron shutters, elevators, bridges, barns, posts or timbers sunk in the earth. The Creosote oil preserves the wood while the graphite preserves metal.

One gallon covers 300 sq. ft. metal surface; 100 sq. ft. shingles, or 150 sq. ft. canvas or felt, two coats.

"WHITE CITY" BARN PAINT.



Very Unusual Weather Resisting Strength, Combined with a Richness and Depth of Color Seldom Found in Barn Paint.

Red or Slate.

Barrels	.....per gal.	J I J	$1.60
½ Barrels	.....per gal.	J I J	1.60
3 gal. Kits	.....per gal.	J I E	1.70
5 gal. Kits	.....per gal.	J I E	1.70
1 gal. Cans	.....per gal.	A J J	1.80
½ gal. Cans	.....per gal.	A A J	1.90

Mixed by powerful machinery, every particle of pigment is saturated with oil to its fullest absorbing capacity.

White City Barn Paint, made with rich, non-fading colors, with over 60 per cent pure linseed oil in the liquid is at times hard to distinguish from a house paint. Used on barns, fences sheds, roofs or bridges it really increases property values. Covers 200 square feet to the gallon, two coats and on tin or iron, more.

CRUSO BARN PAINT.



Red.

5 gal. cans	.....per gal.	J H E	$1.30
1 gal. cans	.....per gal.	J I J	1.40
½ gal. cans	.....per gal.	J I E	1.50

Cruso Barn Paint is the product of a careful selection of materials, which are thoroughly ground and mixed in heavy machinery. This accounts for its superiority to hand-mixed paints when used on barns, roofs, fences, corn cribs, and grain elevators. Every can bears formula label which we guarantee to be correct. This allows Cruso Barn Paint to be sold in all pure paint law states.

ROOF COATINGS AND PAINTS.

REVONOC PURE ASPHALT ROOF COATING.



The New, Unequaled Roofing Product, Far surpasses in Elasticity and Durability, Every Coating Not Made of Pure Asphalt, Colors Are a New Feature in Roof Coating, the Only Coating that can be Used in Asphalt Prepared Roofing, for Paper, Felt, Canvas, Combination Prepared Gravel, Cement and Metal Roofs.

Black.

Capacity	½ Bbls.	5 gal. Cans.	1 gal. Cans.
Per gallon...$0.70	.80	.90	1.00
	DJ	EJ	EE	JFJ

Maroon.

Per gallon..$1.00	1.10	1.20	1.30
	JFJ	JFE	JGJ	JHJ

SIX GALLON CANS IN A CASE.

When thinned with benzine or turpentine, this coating can be used as a paint for structural iron work, iron tanks, iron shutters, steel bridges, iron fences and stand pipes. Guaranteed free from resin. It forms a waxy coat —not sticky and not brittle. Absolutely resists water, acid or changes in temperature. Occasionally applied, it keeps old roofs new. An excellent damp-proof coating on brick or concrete cellar walls— apply heavy coats on outside of walls and, when set, shovel the dirt back against the wall. Does not taint cistern water; contains nothing injurious; is a splendid electric insulator. Best applied with a three knot roofing brush. Covers from 100 to 300 sq. ft. per gallon.

To get Best Results—Do not apply until surface is free from grease, scales and moisture. If heavy, warm by placing can in boiling water or over a steam coil and apply while hot. Do not heat near a light or open fire.

To repair holes in felt, apply a heavy coat, lay on a piece of felt or roofing, nail securely and cover thoroughly with a second layer of asphalt coating. New composition roofs should not be coated for at least six months after laying. Do not use on wood. Get REVONOC *Creosote Shingle Stain or* REVONOC *Roof Paint for wood roofs.*

CRUSO ROOF COATING.

1 gal. cans	.....per gallon	DE	$0.75
5 gal. cans	.....per gallon	CE	.60
10 gal. cans	.....per gallon	CJ	.50

In wood jacketed cans.

For cementing the joints and laps of roofing paper, for plastering around chimneys, smoke stacks, etc. Covers 100 to 300 square feet per gallon.

ELASTIC RUBBER ROOF PAINT.



REVONOC—Jet black glossy finish, sun, water, rust and acid proof, will not discolor or impart taste to rain water.

Barrels★	.....per gal	JCE	$0.60
Half barrels★	.....per gal	JDJ	.70
5 Gal.	.....per gal.	JEJ	.80
1 gal., 6 in a case	...per gal.	JEE	.90

REVONOC *Elastic Rubber Roof Paint gives satisfaction under all climatic conditions. The liquids used in making are distilled, therefore it is free from acid and sulphur. Easily applied, requires no mixing or thinning. Can be used on shingle, metal or felt roofs, is extensively used for painting pipes, storage tanks, boat bottoms, iron fence and steel work of every description, boilers, smoke stacks, farm implements and as a preservative for the ground ends of fence posts and telegraph poles. The only paint to be relied upon for patching leaky roofs with muslin. Sets quickly but dries slowly.*

LIBERTY ELASTIC RUBBER ROOF PAINT.



Barrels★	.....per gallon	CE	$0.60
Half Barrels★	....per gallon	DJ	.70
5 gal. cans	.....per gallon	EJ	.80
1 gal. cans	.....per gallon	EE	.90

For use on shingle, metal or felt roofs and for painting pipes and iron tanks, boat bottoms, fences, and iron and steel work of all kinds.

★*FOR FACTORY SHIPMENT ONLY.*

REVONOC ASBESTOS ROOF CEMENT.



1 lb. cans	.....per lb.	AA	$0.14½
5 lb. cans	.....per lb.	JH	.13
10 lb. cans	.....per lb.	JG	.11½
Bbls. about 650 lbs.★	per lb.	D	.06½

For repairing roofs, silos, chimneys, gutters, skylights, etc. Permanently seals all leaks and cracks.

Can be applied under any weather conditions.

It sticks to any surface.

REVONOC CREOGRAPHITE ROOF CEMENT.

Colors.

No. S—Dark Slate No. H—Red

Waterproof, Always Elastic.

Barrels—About 600 lbs., per pound★	.....	JD	$0.07½
50 and 100 lb. kegs★	per lb.	JE	.09
10 and 25 lb. cans	....per lb.	JE	.09½
1, 2 and 5 lb. cans	...per lb.	JH	.12

Ground to a thick paste. Will not peel, crack, or scale off. Apply with a wide putty knife over leaky places on tin or iron roofs, gutters, around chimneys, dormer windows, window caps, and all cracks on woodwork.

REVONOC PURE ASPHALT LAP CEMENT.

Heavy Body, Black Only.

Barrels★	.....per gallon	FJ	$0.80
5 gal.	.....per gallon	FJ	.80
1 gal.	.....per gallon	JGJ	1.20
½ gal.	.....per gallon	JHJ	1.30
1 qt.	.....per gallon	JHE	1.40

REVONOC *Lap Cement used on paper, canvas, felt and prepared roofing makes laps water-tight.*

Apply with roofing brush in a very heavy coat to fill all the pores.

Bad leaks are stopped by strips of muslin dipped in the cement. Brush or flow over a heavy coat of cement. Retouch with brush after a week or two.

GALLON CANS, SIX IN A CASE.

VARNISHES.

Entire page CD%.

When you see the H.S.B. & Co. Label on a can of varnish you can know that varnish is made right. H.S.B. & Co. Varnishes are the finest work of men who are giving their lives to producing high grade varnish, and you can buy No. 300 Architectural Floor, for instance, now, and again, next month, and the month after, and you will get the same varnish. All are uniform in quality and thoroughly aged.

ARCHITECTURAL VARNISHES.

In offering our architectural varnishes to the trade, we desire to call special attention to the fact that we have combined all the qualities essential and characteristic of high grade finishes for architectural purposes.

Exterior Spar.

Size cans, gal.	5	1	½
No. 412 H.S.B. & Co.—Per can	$19.50	4.00	2.10
Size cans, pt.	2	1	½
No. 412 H.S.B. & Co.—Per can	$1.10	.60	.32

Especially adapted for store fronts, vestibules, window casings, front doors, and all outside work requiring a varnish of extreme durability. It dries free from dust in from six to eight hours, and hardens in about four days to admit of being rubbed.

Interior Spar.

Size cans, gal.	5	1	½
No. 411 H.S.B. & Co.—			
per can	$14.50	3.00	1.60
Size cans, pt.	2	1	½
No. 411 H.S.B. & Co.—			
per can	$0.85	.48	.25

Especially adapted for fine interiors, parlors, libraries, dining rooms, etc., where a rich, durable finish is desired. It works freely, dries with a brilliant lustre, and can be rubbed to a dull finish or highly polished. It can be used over natural wood, painted or grained surfaces. Dries free from dust in from five to seven hours, and can be rubbed and polished in from three to four days.



Architectural Floor Finish.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 300 H.S.B. & Co.—						
per can	$14.50	3.00	1.60	.85	.48	.25

The best floor varnish money can buy. Made from all hard gum and free from resin. Will not mar white and is not affected by hot or cold water. Dries dust free in from two to three hours, and under favorable conditions, can be walked upon over night. Best results are obtained by applying two coats well brushed out. Figure 250 square feet to the gallon, two coats.

Pale Hard Oil Finish.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 400 H.S.B. & Co.—						
per can	$12.00	2.50	1.35	.73	.42	.22

This is a very pale colored varnish especially adapted for finishing natural wood or grained surfaces; is free working, dries free from tack in a few hours and makes a good gloss finish or can be rubbed.

GENERAL VARNISHES.

Light Hard Oil Finish.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 401 H.S.B. & Co.—						
per can	$8.25	1.75	.98	.54	.32	.18

This varnish is similar to our Pale Hard Oil Finish, but not as light in color. Brushing and drying qualities about the same. Suitable for all ordinary woods except Maple, Light Mahogany, etc., and can be rubbed or left in the gloss.

Light Interior Coach.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 301 H.S.B. & Co.—						
per can	$9.50	2.00	1.10	.60	.35	.19

This is for either new or old housework. Dries with a very high gloss in from thirty-six to forty-eight hours and can be rubbed within three days. One coat of Light Interior Coach and one coat of Transparent Liquid Wood Filler over either Pine or Hard Woods produces a full and satisfactory finish. Where Oak or Open Grained Woods are to be finished, same should first be filled with a paste wood filler.

GENERAL VARNISHES.

White Batavia Damar.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 409 H.S.B. & Co.—						
per can	$12.00	2.50	1.35	.73	.42	.22

This is made from selected White Damar Gum. Unsurpassed for making White Enamels or Coating over white surfaces to produce a gloss effect. (Damar Varnish should not be used for furniture or outside work.) Dries in about eight hours.

Furniture Varnish.

Size cans, gal.	5	1	½
No. 403 H.S.B. & Co.—			
per can	$7.00	1.50	.85
Size cans, pt.	2	1	½
No. 403 H.S.B. & Co.—			
per can	$0.48	.29	.16

A brilliant and quick drying varnish for gloss work (except floors). One coat produces a very satisfactory finish over old work. Dries over night.

Elastic Floor.

Size cans, gal.	5	1	½
No. 408 H.S.B. & Co.—			
per can	$12.00	2.50	1.35
Size cans, pt.	2	1	½
No. 408 H.S.B. & Co.—			
per can	$0.73	.41	.23

This is very similar to our Architectural Floor Varnish but a little darker in color and is an excellent varnish for refinishing old floors, oil cloths, linoleums or interior woodwork. Very tough and elastic and will not turn white when floor is washed. Dries in from eighteen to twenty-four hours.

Linoleum.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 100 H.S.B. & Co.—						
per can	$14.50	3.00	1.60	.85	.48	.25

Made from all hard gum and free from resin. Will not mar white and is not affected by hot or cold water. Dries dust free in from three to ten hours, and under favorable conditions, can be walked upon over night.

House Painters' Japan Dryer.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 422 H.S.B. & Co.—						
per can	$4.50	1.00	.60	.35	.23	.13

This is a very strong dryer. Light in color. Suitable for use in drying mixed paints, white lead in oil, etc.

T Japan Dryer.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 419 H.S.B. & Co.—						
per can	$5.75	1.25	.73	.42	.26	.15

This is a very powerful dryer and will not injure the life of paints. One gallon will dry twenty-five gallons of Raw Linseed Oil in from eight to twelve hours.

No. 1 Coach.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 405 H.S.B. & Co.—						
per can	$8.25	1.75	.98	.54	.32	.18

This is a very popular varnish for use on interior woodwork; dries in about twelve hours and can be rubbed or recoated in forty-eight hours.

Extra Durable Coach.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 418 H.S.B. & Co.—						
per can	$12.00	2.50	1.35	.73	.42	.22

This varnish is all that its name implies, namely—a very durable varnish. It is intended for either interior or exterior work. Is elastic, flows well, dries with a high lustre in about eighteen hours.

VARNISHES, SHELLACS AND ASPHALTUMS.

CARRIAGE AND AUTOMOBILE VARNISH.



Pale Wearing Body.

Size cans, gal.	1	½	¼	⅛
No. 320 —Per can	$5.00	2.60	1.35	.75
	CFJ	AHE	JIE	EE

A very pale varnish of great brilliancy and durability. Dries dust free in ten to twelve hours, and can be run out in three to four days.

Heavy Gear.

Size cans, gal.	1	½	¼	⅛
No. 323 —Per can	$3.50	1.85	1.00	.55
	EJ	CE	GJ	DJ

A very brilliant and elastic varnish for wheels and under parts. Dries dust free in eight to ten hours, and can be run out in about three days.

ASPHALTUMS.

Egyptian Black Asphaltum.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 413 —						
Per can	$3.25	.75	.48	.30	.21	.12
	BCE	EE	CE	BB	AF	JH

No. 412 —Barrels★	6.	per gallon	CH	$0.53
No. 413 —½ barrels★		per gallon	DJ	.55
No. 413 —10 gallons		per gallon	DC	.60

A very strong, quick drying black, for use on smoke stacks, boilers, furnace fronts, stove pipes or ironwork. Dries in about eight hours.

Turpentine Asphaltum.

No. 316 —5 gallon cans		per can	EJE	$7.00
No. 316 —1 gallon cases		per can	AAJ	1.50
No. 316 —Barrels★		per gallon	JHE	1.20
No. 316 —½ barrels★		per gallon	JIJ	1.25
No. 316 —10 gallons		per gallon	JIE	1.30

For same uses as No. 413, but more durable; made from the best Gilsonite asphaltum gum; very brilliant and dense in color. Works freely under the brush and dries quickly.

TURPENTINE OIL SHELLAC.

Size cans, gal.	5	1	½	¼	⅛	⅛
No. 404 —						
Per can	$9.00	1.90	1.06	.58	.34	.18
	GBJ	AEJ	JHE	DJ	BE	AC

A transparent quick hard drying varnish used as a priming coat on all close grain natural woods or first coater on open grain woods that have first been filled with a paste filler. Dries over night sufficiently hard to admit of being sandpapered. Put up in cans.

ALCOHOL SHELLAC.



Strictly Pure.
In Glass Jars.
White.

*No. 425—Capacity, oz.	2	4	8
Per dozen jars	$1.30	2.15	3.40
	AJJ	AGE	BGE

In Jugs.

Size cans, gal.	1	½	¼	⅛
*No. 425 —Per jug	$2.40	2.60	2.75	3.10
	AHE	AJJ	JEE	JCJ

For under coats before varnish or hard oil is applied. Used on lightwoods. Dries hard in three to four hours.

Orange.
In Glass Jars.

*No. 426—Capacity, oz.	2	4	8
Per dozen jars	$1.25	2.10	3.30
	AJJ	AGE	BGE

Just the finish for burnt woodwork, fine cabinet work, hardwood floors' bric-a-brac, furniture, etc. Put up in nickel plated screw top glass jars. Alcohol shellacs discolor and deteriorate in metal.

In Jugs.

Size cans, gal.	1	½	¼	⅛
*No. 426 —Per jug	$2.25	2.40	2.60	2.90
	AFJ	JIJ	JEJ	JCJ

Same as No. 425, but orange in color. For darker woods, such as oak, etc.

Made from selected gum and wood or grain alcohol. Dries hard in four hours. Used for finishing and also for under coats of varnish. Superior for covering knots and pitch.

Nos. 425 and 426, 1 pt. to 1 gal., put up in jugs as shown in cut.

2 OZ. JARS, TWO DOZEN IN A CASE; 4 AND 8 OZ. JARS, ONE DOZEN IN A CASE.

DRY SHELLAC.

*No. 428 —Orange, special grade strictly pure, per pound	CE		$0.46
*No. 427—Orange, extra selected T. N., per pound	BF		.36

*Subject to market changes.

GLIDDEN VARNISHES, STAINS AND SPECIALTIES.

HIGH QUALITY.

Entire page except Jap-a-lac CD%.





General Varnishes, Japans and Miscellaneous Finishes.

	Bbls. and ½ bbls., per gal.	5s, per gal.	1 Gal., each	½ Gal., each	Qts., each	Pts, each	½ Pts., each
Concrete Foor Dressing	$2.25	2.40	2.50	1.35	.73	.41	....
Liquid Cement	2.25	2.40	2.50	1.35	.73	.41	....
Graphite Acid Proof Coating	2.00	2.15	2.25	....	....	....	....
Marine Spar	3.25	3.40	3.50	1.75	.88	.55	.30
Lik-a-rub—Dull Finish	3.25	3.40	3.50	1.85	1.00	.55	.30
Dull Art Finish	....	2.65	2.75	1.48	.79	.44	.23
Linoleum Varnish	2.75	2.90	3.00	1.60	.85	.45	.25
Ex. No. 1 Coach-Exterior Coach	2.25	2.40	2.50	1.35	.73	.41	.22
Inside Spar	1.85	2.00	2.10	1.15	.63	.36	.19
No. 1 Coach	$1.75	1.90	2.00	1.10	.60	.35	.19
M. P. Special Coach	1.50	1.65	1.75	.98	.54	.32	.17
Light Hard Oil Finish	1.75	1.90	2.00	1.10	.60	.35	.19
Hard Oil Finish	1.25	1.40	1.50	.85	.48	.29	.16
Furniture Coach	1.40	1.55	1.65	.93	.51	.31	.17
No. 1 Furniture	1.25	1.40	1.50	.85	.48	.29	.16
Skin-Cote—Piano Polishing	....	5.90	6.00	3.10	1.60	.85	.45
Flo-Pol—Piano Varnish	....	4.90	5.00	2.60	1.35	.73	.38
Cabinet Polishing—Church Seat Finish	2.75	2.90	3.00	1.60	.85	.48	.25
Bar Top Finish	4.75	4.90	5.00	2.60	1.35	.73	.38
Wagon and Implement Varnish	2.25	2.40	2.50	1.35	.73	.41	.22
Gloss White Enamel	....	....	3.50	1.85	1.00	.55	.30
Extra Pale White Enamel Varnish—Wall Paper Varnish	3.75	3.90	4.00	2.10	1.10	.60	.31
Crysto Batavia Damar	2.75	2.90	3.00	1.60	.85	.45	.25
White Batavia Damar	2.25	2.40	2.50	1.35	.73	.41	.22
Stove Pipe Enamel—Protective Black	....	....	2.00	1.10	.60	.35	.19
Black Pipe Enamel	....	....	1.50	.85	.48	.29	.16
Screen Black	1.00	1.15	1.25	.73	.41	.26	.14
Screen Green	1.75	1.90	2.00	1.10	.60	.35	.19
Superior Bronzing Liquid	1.25	1.40	1.50	.85	.48	.29	.16
Hard Oil Shellac—Clear First Coater	1.50	1.65	1.75	.98	.54	.32	.17
Puritan Liquid Wood Filler	1.25	1.40	1.50	.85	.48	.29	.16
Wall Primer	1.25	1.40	1.50	.85	.50	.30	....
Extra Pale White Japan	2.25	2.40	2.50	1.35	.73	.41	.22
Turpentine Japan Dryer	1.50	1.65	1.75	.98	.54	.32	.17
H. P. Japan	1.25	1.40	1.50	.85	.48	.29	.16
Magic White Dryer	1.25	1.40	1.50	.85	.48	.29	.16
Euclid Liquid Oil Dryer	1.00	1.15	1.25	.73	.41	.26	.14
Japan Dryer	.75	.90	1.00	.60	.35	.23	.13
Dead Black Wrought Iron Fin.	....	2.90	3.00	1.60	.85	.45	.25
Turpentine Asphaltum	1.25	1.40	1.50	.85	.48	.29	.16
Union—B. & T.—Asphaltum	1.00	1.15	1.25	.73	.41	.26	.14
Asphaltum Varnish	.75	.90	1.00	.60	.35	.23	.13

JAP-A-LAC GRAINING OUTFITS.



Graining Colors.

Graining Tools	each AH	$0.25
Graining Colors, pints only	each AH	.25
Model Floor Sets	each AHJ	2.50

BERRY BROS. LIQUID GRANITE A.

A heavy body especially for new floors. Excellent also for linoleum or oil cloth. Can be used on woodwork.

Capacity, gal.	5	1	½	¼	⅛
Per can	$14.50	3.00	1.60	.85	.46

JAP-A-LAC.

All Colors, Except Gold and Aluminum.

Cap., gal.	1	½	¼	⅛	½	1-32	10c Size
Per can	$1.00	1.35	.80	.45	.25	.15	.10
	BAE	AAJ	FJ	CB	AH	AA	JG

Colors.

Natural	Dark Oak	Flat White
Transparent Green	Enamel Green	Walnut
Brilliant Black	Gloss White	Empire Blue
Oak	Cherry	Mahogany
Transparent Ox Blood	Enamel Red	Ground Color
Dead Black		

Ground Color not put up in 10c size.

Gold and Aluminum.

Nos.	3	2	1
Gold—Per can	$0.80	.45	.25
	FJ	CB	AH
Aluminum—Per can	$0.45	.25	.15
	CB	AH	AA

JOHNSON'S PREPARED WAX, WOOD FILLER, DYES, ETC.

Entire page except Wax and Dye B J %.

PREPARED FLOOR WAX.



In Black and Natural Colors.

4 oz. cans,	Household and Automobile size ..... per can A E	$0.25
1 lb. cans	..... per can C B	.34
2 lb. cans	..... per can J F E	1.10
4 lb. cans	..... per can A C J	2.30
5 lb. cans	..... per can A F J	2.70

Floor Wax will not darken the wood no matter how delicate the color because it contains no oil. Easily applied and polishes very quickly, requiring but little rubbing. Produces a highly polished, durable, dust free surface which will not become gummy or sticky. Can be used for polishing fine furniture and woodwork as well as floors. Unexcelled for polishing auto bodies. Floor Wax contains more of the expensive hard polishing wax than any other brand and therefore has greater covering capacity.

JOHNSON'S FLAT WOOD FINISH.

For That Hard Rubbed Velvety Effect. A Liquid Preparation Applied with Brush. Dries Hard in One Hour. For All Woodwork Except Floors. One Coat Sufficient Except on Very Soft, Porous Wood.

1 Gal. Cans ..... per can	$3.00
½ Gal. Cans ..... per can	1.60
1 Qt. Cans ..... per can	.85
1 Pt. Cans ..... per can	.50
½ Pt. Cans ..... per can	.30

12 ONE GALLON, 24 ONE-HALF GALLON, 48 QUART, 96 PINT AND 240 ONE-HALF PINT CANS IN A CASE.

ASSORTED CASES AS FOLLOWS: 2 ONE GALLON, 4 ONE-HALF GALLON, 8 QUART, 12 PINT AND 24 ONE-HALF PINT CANS IN A CASE.

Apply over Dye or Paste Wood Filler with ordinary varnish brush. Brush well. Flat finish obtained at one-third the labor cost of rubbing varnish.

JOHNSON'S ELECTRIC SOLVO.

1 Qt. Cans ..... each	$0.70
1 Pt. Cans ..... each	.40
½ Pt. Cans ..... each	.25

Applied with brush, and in fifteen or twenty minutes softens the old finish so it can be easily removed from flat surfaces with an ordinary putty knife, and from carvings, mouldings, etc., with a little steel wool.

It does not injure the hands or the finest fabrics and is free from any disagreeable odor.

12 ONE GALLON, 24 ONE-HALF GALLON, 48 QUART, 96 PINT AND 240 ONE-HALF PINT CANS IN A CASE.

ASSORTED CASES AS FOLLOWS: 2 ONE GALLON, 4 ONE-HALF GALLON, 8 QUART, 12 PINT AND 24 ONE-HALF PINT CANS IN A CASE.

POWDERED FLOOR WAX.



For Ball Room Floors, Put up in Sifter Top Cans.

¼ lb. cans	..... per can A C	$0.22
½ lb. cans	..... per can A I	.32
1 lb. cans	..... per can C B	.54
10 lb. cans	..... per lb. C J	.50

Powdered Floor Wax quickly polishes hard or soft floors for dancing. Makes the floors "as slick as glass" and does not create a dust in the air. Will not spoil the finest garment or make spots on the floor. Can be used on dance floors even though the floor be a trifle wet and for this reason it is especially adapted to use in open air dancing pavilions.

REVONOC WOOD DYE.



An Artistic Finish for All Kinds of Wood. Made in Eleven Beautiful Shades.

Light Oak	Mission Oak
Dark Oak	Weathered Oak
Bog Oak	Flemish Oak
Light Mahogany	Fumed Oak
Dark Mahogany	Flat Wood Finish

1 qt. bottle ..... each	J F E	$1.00
1 pt. bottles ..... each	D J	.62
½ pt. bottles ..... each	B C	.38

REVONOC *Wood Dyes are unsurpassed for finishing residences, clubs, public buildings, etc., their clear transparency bringing out the delicate beauty of the grain to the best advantage.*

REVONOC *Wood Dyes hold thoroughly in suspension, do not show laps or streaks, dry quickly and do not require wiping.*

Being highly transparent, they may be used on the finest grained woods. Best results are obained with a soft brush. If necessary to thin, use a little wood alcohol. When not in use keep tightly covered.

ONE QUART CANS, TWELVE IN A CASE; ONE PINT AND ONE-HALF PINT CANS, SIX IN A CASE.

★FOR FACTORY SHIPMENT ONLY.

JOHNSON'S UNDER-LAC.

1 Gal. Cans ..... each	$2.50
½ Gal. Cans ..... each	1.35
1 Qt. Cans ..... each	.70
1 Pt. Cans ..... each	.40
½ Pt. Cans ..... each	.25

12 ONE GALLON, 24 ONE-HALF GALLON, 48 QUART, 96 PINT AND 240 ONE-HALF PINT CANS IN ONE CASE.

ASSORTED CASES AS FOLLOWS: 2 ONE GALLON, 4 ONE-HALF GALLON, 8 QUART, 12 PINT AND 24 ONE-HALF PINT CANS IN A CASE.

JOHNSON'S WOOD DYE.



No. 172—Flemish Oak.
No. 122—Forest Green.
No. 121—Moss Green.
No. 120—Fumed Oak.
No. 125—Mission Oak.
No. 140—Manila Oak or Early English.
No. 130—Weathered Oak.
No. 131—Brown Weathered Oak.
No. 132—Green Weathered Oak.
No. 178—Brown Flemish Oak.
No. 126—Light Oak.
No. 123—Dark Oak.
No. 110—Bog Oak.
No. 128—Light Mahogany.
No. 129—Dark Mahogany.

1 Gallon, 6 to case★ ..... each	$3.00
½ Gallon, 12 to case ..... each	1.60
1 Quart, 36 to case ..... each	.85
1 Pint, 48 to case ..... each	.50
½ Pint, 72 to case ..... each	.30
½ Gal. Cans, No. 172★.	

JOHNSON'S PASTE WOOD FILLER.

No. 10—Natural.
No. 20—Golden Oak.
No. 30—Dark Oak.

1 lb. Cans, 100 to case ..... each	$0.18
2 lb. Cans, 100 to case ..... each	.36
5 lb. Cans, 40 to case ..... each	.75
10 lb. Cans, 10 to case ..... each	1.50
25 lb. Cans, 4 to case ..... each	3.00
10 and 25 lb. cans Nos. 20 and 30 ★.	

ASSORTED CASES AS FOLLOWS: 4 ONE-HALF GALLONS, 8 QUARTS, 12 PINTS AND 24 ONE-HALF PINTS.

ASSORTED CASES AS FOLLOWS: 25-1 LB., 10-2 LB., 5-5 LB., 3-20 LB. CANS IN A CASE.

FANCY PREPARED GOLD AND ALUMINUM PAINTS.

PREMIUM ALUMINUM PAINT.



Free from Any Disagreeable Odor.

No. 425-P—	1 gal....	per can CFJ	$5.50
No. 225-P—	½ gal....	per can BAE	3.00
No. 120-P—	¼ gal....	per can AAJ	1.60
No. 65-P—	⅛ gal....	per can FJ	.90
No. 40-P—	1/16 gal....	per can. CE	.50
No. 25-P—	1-32 gal..	per can BJ	.30
No. 15-P—	1-6 pint..	per can AG	.24

No. 10P—Small bottles, per dozen ..... AAE 1.70

Premium Aluminum Paint is unexcelled for work on radiators, steam pipes, elevator fronts, boats, light houses, machinery exposed to the continued action of the weather, and all metal and wood work.

It is permanent in both air and water; also oil and grease proof. Retains its brilliancy indefinitely and gives a firm, hard surface. A gallon will cover from 650 to 750 square feet.

PREMIUM READY-MIXED GOLD ENAMEL.

No. 060—	½ pint....	per can EJ	$0.76
No. 040—	¼ pint....	per can CJ	.46
No. 025—	1-6 pint....	per can BJ	.30
No. 015—	⅛ pint....	per can AF	.25

No. 010—Small bottles, per dozen ..... ADJ 1.70

Premium Ready Mixed Gold Enamel is particularly adapted for use on radiators, steam and plumbing pipes, yachts, railings, brackets, water boilers, elevators, shafts, picture mouldings, bedsteads and all decorative work.

Dries free from odor in five minutes. Will not rub off or come off on hot radiators. Withstands moisture and can be washed. Absolutely will not deteriorate, liver or jelly, after standing in stock in the cans.

REVONOC GOLD ENAMEL, FLUID AND PAINT.



Nos. 500 and 600. No. 505. No. 605.

REVONOC Gold Enamel.

No. 500 REVONOC—Small size, one dozen in a box, w't per doz. 4 lbs., per dozen ..... AFJ $2.70

No. 600 REVONOC—Medium size, one dozen in a box, w't per doz. 5½ lbs., per dozen ..... BJJ $3.00

REVONOC *Gold Enamel is adapted for all kinds of gilding and decorating. It leaves a smooth finish free from brush marks, and can be washed with soap and water.*

Nos. 500 and 600 are packed in an attractive carton containing one bottle of best gold bronze powder, one bottle of superior grade bronzing liquid, mixing cup and brush.

REVONOC Golden Fluid

No. 505 REVONOC—Small size, one dozen in a box with brushes, w't per doz. 2 lbs. .....per dozen JIJ $1.50

REVONOC *Golden Fluid is mixed ready for use. Handy size for small jobs, and for retouching picture frames, etc.*

REVONOC Gold Paint.

No. 605 REVONOC—Medium size, one dozen in a box, w't per doz. 3½ lbs., per dozen ..... AHJ $3.00

REVONOC *Gold Paint, like the Golden Fluid, is ready mixed. It is put up in a novel wooden box containing one bottle of highest grade gold bronze powder with brush and mixer.*

Dries with a rich gloss, hardly distinguishable from the real gold leaf work.

ILANOY ALUMINUM ENAMEL.



Nos.	1435	1440	1445
Size, gal.	¼	⅛	1/16
Per can	$1.30	.70	.40
	JIJ	EJ	CJ
Nos.	1450		1455
Size	1/32 gal.		1/6 pt.
Per can	$0.20		.14
	AE		AJ

Ilanoy Aluminum Enamel is easily applied and dries immediately with a smooth washable enamel finish with frosted silver effect. It is always bright and needs no polishing. Suitable for all kinds of interior and exterior decorating.

ONE DOZEN IN A CASE.

PATENTED BRONZE PAINTS.



ORMOLOID.

For Gold Leaf Effect. Liquid and Powder Separate.

No. 50—Special size cans, w't per doz., 2 lbs. .....per dozen ADJ $2.00

No. 51—Small size cans, w't per doz., 3 lbs. .....per dozen AHJ $3.00

No. 52—Medium size cans, w't per doz., 4 lbs. .....per dozen BGJ $4.20

The most perfect gold paint ever offered for gold finish of the finest lustre and smoothness on picture frames, chairs, tables, lamps, chandeliers, baskets, wickerware, toys, statuary, figures, dancing shoes, music racks, bird cages, metal frames, hinges, baby carriages, iron bedsteads, etc.

ONE DOZEN IN A CARTON.

ALUMINOID.

For Aluminum Leaf Effect. Liquid and Powder Separate.

No. 60—Small size cans, w't per doz., 2 lbs. .....per dozen ADJ $2.00

No. 61—Medium size cans, w't per doz., 3 lbs. .....per dozen AHJ $3.00

Put up in the same manner as Ormoloid, out of the very finest, brightest and most brilliant bronze powder and bronzing liquid obtainable. It produces a rich aluminum finish on picture frames, chairs, tables, bedsteads, machinery, bicycles, baskets and statues.

VULCAN ALUMINUM PAINT.



Liquid and Powder Separate.

No. 80—Medium size cans, w't per doz., 3¼ lbs. .....per dozen BBJ $3.00

No. 81—Large size cans, w't per doz. 5½ lbs. .....per dozen CJJ $5.00

For use on stoves, engines, motors, generators, boilers or any iron, steel or metal surface likely to be subject to intense heat. Will stand 1800° Fahrenheit.

ONE DOZEN IN A CARTON.

BRONZE POWDERS AND LIQUIDS, ETC.

GOLD BRONZE POWDERS.





No. 5—Pale gold, in 1 oz. papers, 1 lb. in a box, per pound ..... **AAJ** $1.20
No. 75—Pale gold, in 1-lb. cans.....per pound **AAJ** 1.00

For those deep rich, soft lustrous effects on properly sized plaster or burlap in library or living room.
For radiators, steam pipes, plumbing and general use.

FOUR POUNDS TO THE GALLON, LIQUID.

No. 9—Rich gold, in 1 oz. papers, 1 lb. in a box, per pound ..... **ACJ** $1.70
No. 124—Rich gold, in 1 lb. cans.....per pound **ABJ** 1.50
No. 10—Pale gold, in 1 oz. papers, 1 lb. in a box, per pound ..... **ACJ** 1.70
No. 125—Pale gold, in 1 lb. cans.....per pound **ABJ** 1.50

For general decorating, gas fixtures, iron and metal pipes, radiators, iron bedsteads, printing and embossing.

THREE AND ONE-HALF POUNDS TO THE GALLON, LIQUID.

No. 150—Pale gold, 1 lb. cans.....per pound **ADE** $2.00

For interior decorating, sign painting, gas fixtures, radiators and chandeliers.

THREE POUNDS TO THE GALLON, LIQUID.

SILVER ALUMINUM POWDERS.

No. 5-A—½ oz. papers, 1 lb. in a box..per pound **AFJ** $1.70
No. 75-A—In ½ lb. cans.....per pound **ADE** 1.50

For radiators, steam pipes and general iron work.
Two and one-half pounds to the gallon covers 200 feet of radiators.

No. 100-A—In ½ lb. cans.....per pound **AEJ** $2.00

For marine hardware, mail boxes, plumbing, steam pipes and radiators.
Two pounds to the gallon covers 350 feet of radiators.

No. 150-A—In ½-lb. cans.....per pound **AFJ** $2.50

For general decorators', sign writers', marine hardware, mail boxes, plumbing, radiators and porch furniture. Will give a leaf finish.
One and one-half pounds to the gallon covers 500 feet of radiators.

RADIATOR BRONZING LIQUID.



No. 333-P—For Gas and Steam Fitters' Use, Iron Work, Etc.

1 gal. cans.....per can **JIJ** $1.50
½ gal. cans.....per can **DH** .80
¼ gal. cans.....per can **CJ** .50
⅛ gal. cans.....per can **AH** .30
⅛ gal. cans.....per can **AA** .20

For steam pipes, radiators, hot water boilers. Durable, brilliant, will not rub.

BANANA BRONZING LIQUID.



No. 444-P—For Interior and Exterior Gilding of Any Kind.

1 gal. cans.....per can **BJE** $3.00
½ gal. cans.....per can **AAJ** 1.60
¼ gal. cans.....per can **FJ** .90
⅛ gal. cans.....per can **CE** .50
⅛ gal. cans.....per can **BJ** .30

For every kind of decorative work. Durable, weather-proof, grease-proof.

Banana Bronzing Liquid for Gold and Aluminum Powders.

No. 1—Capacity 1 oz. bottles.....per dozen **JHJ** $1.30
No. 4—Capacity 3½ oz. bottles.....per dozen **AHJ** 2.50

ONE DOZEN IN A BOX.

MISCELLANEOUS OILS AND LIQUIDS.

Added Net Charges in Less Than Barrel Lots. Half barrels, 10, 5, 3, 2, 1 gallon cans $0.03
½ and ¼ gallon cans ..... .05

AUTOMOBILE CYLINDER.

Automobile, a high fire test, scientifically prepared oil of medium body for lubrication, by gravity, force, feed or splash system, of all styles and types of motors operated, affords the highest degree of lubrication, freedom from carbon deposit in the cylinders, valves and spark plugs, for long trips at high speed, cold test —15 degrees below zero,
per gallon .....DE $0.80

REVONOC AUTOMOBILE OIL.

A Practically Carbonless Medium Body Oil, Possessing Great Lubricating Properties, Works Equally Well in Hot or Cold Weather. Never Thickens or Becomes Sticky When in Use. Low Flash Point. High Fire Test.

Bbls. .....per gal. CE $0.56
No. 5-P—5 gal. cans, w't per doz. 37 lbs.....per can BGJ $4.50

No. 10-P—10 gal. cans, w't per doz. 73 lbs.....per can EBJ $9.70

Put up in flat top wood jacket cans.

Gas Engine, a high grade heavy lubricant, high fire test, low gravity, for all kinds of gasoline engines, per per gallon ..... DB $0.70

Motor Boat, a scientifically refined oil of medium body, especially prepared for all styles marine gas engines, excels in friction-reducing properties, increasing power and speed, high fire test and viscosity, per gallon ..... DB $0.70

STEAM CYLINDER.

Steam, a heavy, bone filtered, high fire test oil of great viscosity, fine lubricant, equal to any high grade oil on the market, also adapted for automobile transmission, fire test 600, cold test 50, per gallon JGB $1.20

Wichita, low priced, heavy oil for pumps and similar low pressure work, per gallon .....BI $0.48

ENGINE.

Chippewa, a heavy red engine oil of superior lubricating and wearing qualities and intended for heavy work, shafting..per gallon BJ $0.34

MACHINE.

Separator, a pale oil of high flash test, particularly adapted for use on cream separators and light running machinery, clean, carbonless, refined, strained and filtered by methods actually improving its lubricating properties, per gal. DH $0.80

XX Separator, prepared especially to properly lubricate all makes of hand and machine cream separators, per gallon ..... BD $0.40

XXX Harvester, an economical and satisfactory lubricant for all classes of harvesting machinery, will not separate .....per gallon BD $0.40

Pawnee Castor, a heavy machine oil for farm machinery and general work, per gallon ..... BB $0.36

Lawn Mower, a pale oil of high flash test, particularly adapted for use on all makes of lawn mowers, refined, strained and filtered by methods improving its lubricating properties .....per gallon CF $0.60

NEATSFOOT.

Strictly Pure, highest grade produced, a superior preservative and dressing for fine leather, especially adapted for keeping fine harness and leather belting soft and pliable and in condition to stand wear and weather .....per gallon ABJ $1.90

Extra, a very fine leather dressing and preservative, keeps all kinds of leather soft and pliable, especially adapted for use on belting and harness .....per gallon JIJ $1.50

LARD.

No. 1—Adapted for all kinds of pipe, thread and steel cutting,
per gallon .....JGF $1.30

Extra No. 1, very high grade, for use on all metal cutting, especially adapted for cutting hard tool steel, per gallon ..... AAE $1.80

Extra Winter Strained, very best obtainable, especially adapted for cutting on fine work, also a good burning oil for use in watchmen's lanterns .....per gallon ACJ $1.90

LINSEED OIL, STRICTLY PURE.

American Linseed Co.'s Brand.

Raw, strictly pure, old process,
per gallon .....Mkt.

Boiled, strictly pure, old process,
per gallon .....Mkt.

Raw oil is for light colored paints. Best for outside use, when allowed three days to dry and more elastic than boiled.

Boiling oil is to dissolve the fatty portions of the oil, causing it to dry quickly. Requires twenty-four hours to dry in. Discolors white paint.

FOR CUP GREASE, SEE PAGE 2432.

GLOSS.

Gloss Oil .....per gallon DJ $0.60
Used for barrel paints, often substituted for varnish for toys, willow ware, etc., used for sizing walls to stop suction. It is purely a rosin product. Will not mix with lead or zinc; can be used in dry paints.

TURPENTINE.

Pure Spirits of Turpentine—not sold in ½ bbls.—7 lbs. to gallon,
per gallon .....Mkt.
For reducing paint for inside work.

About five cents per gallon cheaper than pure spirits of gum turpentine. Absolutely pure; equally as good as gum turpentine for painting purposes. Mixed with paint it penetrates well into pitchy or sappy wood, causing the paint to stick better. Excellent for thining varnishes.

PYRO DENATURED ALCOHOL.

Per gallon—bbls.★ .....EE $0.98
A non-freezing solution for automobile radiators; also a perfect fuel for use in chafing dishes, percolators, lamps, and for general cooking, lighting and heating purposes.
F. O. B. Peoria, Ill.

Denatured Grain Alcohol, 180 proof, as good as 188 proof for fuel, or as non-freezing filler for automobile radiators .....per gallon JFJ $1.00

Denatured Grain Alcohol, 188 proof, per gallon .....JEG $1.04
Used in paint trade for making shellac, varnish, lacquers, etc., etc., also for alcohol stoves.

Wood Alcohol ..per gallon JFB $1.10
A perfect substitute for grain alcohol, for all mechanical purposes. Also used as a solvent for shellac gums and is good for burning purposes. Makes an excellent carriage for fine wood fillers.

DUSTLESS FLOOR OIL OR DRESSING.

Keeps down the dust and protects the floor. One gallon will cover 200 to 300 square feet, according to the nature of the wood and surface.

Hygienic .....per gallon EJ $0.80
No. 4 ..... per gallon BH .46

Charge for Containers.

No. 200—Wood jacketed 10 gal. cans, each ..... JFE $1.10
No. 300—Wood jacketed 5 gal. cans, each .....CE $0.60
No. 400—Wood jacketed 3 gal. cans, each .....CJ $0.50
No. 500—Wood jacketed 2 gal. cans, each .....BD $0.40
No. 600—1 gal cans .....each AB .20
No. 350— 5 gal. square cans, each ..... JFJ 1.00
No. 250—10 gal. square cans, each ..... JIJ 1.50
No. 450— 1 gal. square cans, each ..... AH .30
No. 550—½ gal. square cans, each .....AJ .16
No. 650—¼ gal. square cans, each ..... JH .10

CANNED LUBRICATING AND MISCELLANEOUS OILS.

Polished Square Sealed Cans, with brilliant and labels, make in appearance, most attractive shelf stock, beside saving the time, muss, interruptions and general nuisance of handling bulk oil with constant spilling and "over-measure" losses.

AUTOMOBILE CYLINDER.



5 Gal. Can, per doz. cans **CECJ** $58.80
1 Gal. Can, per doz. cans **JHCE** 13.92
It affords the highest degree of lubrication, in addition to securing freedom from carbon deposit in the cylinders, valves and spark plugs. For long trips at high speed. Cold test 15 degrees.

REVONOC AUTOMOBILE OIL.

A Practically Carbonless Medium Body Oil, Possessing Great Lubricating Properties. Works Equally Well in Hot or Cold Weather. Never Thickens or Becomes Sticky When in Use. Low Flash Point. High Fire Test.

No. 5-P—5 gal. cans, w't per doz. 37 lbs., per can ..... **BGJ** $4.50
No. 10-P—10 gal. cans, w't per doz. 73 lbs. .....per can **EBJ** $9.70
Put up in flat top wood jacket cans.

GAS ENGINE CYLINDER.

1 Gal. Can, per doz. cans **JFIJ** $11.50
½ Gal. Can, per doz. cans **DCJ** 7.20
1 Qt. can, per doz. cans **BIJ** 4.80
A high grade heavy lubricant, high fire test, low gravity. Especially refined for motor boats and all kinds of gasoline engines.

MOTOR BOAT CYLINDER.

Royal Red.

1 Gal. Can, per doz. cans **JGFE** $12.70
½ Gal. Can, per doz. cans **DGJ** 7.80
A scientifically refined oil of medium body, especially prepared for lubricating all styles and types of marine gas engines.

STEAM CYLINDER.

Compounded.

1 Gal. Can, per doz. cans **AJHJ** $18.00
½ Gal. Can, per doz. cans **JFJJ** 10.00
A light, bone filtered, high fire test oil of great viscosity, fine lubricant and equal to any high grade oil on the market. Also adapted for automobile transmission. Fire test 600. Cold test 50 degrees.

SEPARATOR.

1 Gal. Can, per doz. cans **JHCE** $13.92
½ Gal. Can, per doz. cans **EJE** 8.40
1 Qt. Can, per dozen cans **CAE** 5.28
Is clean and carbonless. Is refined, strained and filtered by methods actually improving its lubricating properties for this particular work.

XX SEPARATOR.

1 Gal. Can, per doz. cans **EDE** $9.00
½ Gal. Can, per doz. cans **CFJ** 6.00
1 Qt. Can, per dozen cans **BDJ** 4.00

XXX HARVESTER MACHINE.

1 Gal. Can, per doz. cans **EDE** $9.00
½ Gal. an, per doz. cans **CFJ** 6.00
1 Qt. Can, per dozen cans **BGJ** 4.00
An economical and satisfactory lubricant for all classes of harvesting machinery. WILL NOT SEPARATE. Cold test, 10 below zero. Fire test 430. Gravity 18. Viscosity 400.

PAWNEE CASTOR MACHINE.

1 Gal. Can, per doz. cans **EBJ** $8.60
A heavy machine oil for farm machinery and general work.

LAWN MOWER.

1 Gal. Can, per doz. cans **JFIJ** $11.50
½ Gal. Can, per doz. cans **DCJ** 7.20
1 Qt. Can, per dozen cans **BIJ** 4.80

GUN.

1 Gal. Can, per doz. cans **JGHJ** $12.00
Superior quality for lubricating and keeping fire arms free from rust.

BICYCLE.

1 Gal. Can, per doz. cans **JGHJ** $12.00
Superior lubricating properties and especially adapted for purpose intended.

SEWING MACHINE.

1 Gal. Can, per doz. cans **JGHJ** $12.00
Superior lubricating qualities and will not gum.

SEWING MACHINE OIL.

Size, oz.	1	2	3	4
Per doz.	$0.80	1.00	1.20	1.50
	DH	**JFJ**	**JGJ**	**JIJ**
Per gro.	$8.00	10.00	12.00	14.40
	DHJ	**JFJJ**	**JGBJ**	**JHFE**

When ordered in gross lots of a single size, we will print customers' name and address on labels free of charge.

CHIPPEWA RED ENGINE.

1 Gal. Can, per doz. cans **EJE** $8.40
A heavy red engine oil of SUPERIOR LUBRICATING and wearing qualities and intended for heavy work, shafting, etc.

EXTRA WINTER STRAINED LARD.

1 Gal. Can, per doz. cans **AHDJ** $27.00
½ Gal. Can, per doz. cans **JIBJ** 15.00
1 Qt. Can, per dozen cans **EAJ** 8.60
This oil is the very best lard oil obtainable, and is especially adapted for cutting on fine work. It is also a good burning oil for use in watchmen's lanterns.

EXTRA No. 1 LARD.

1 Gal. Can, per doz. cans **AFBE** $23.50
½ Gal. Can, per doz. cans **JHBJ** 13.20
1 Qt. Can, per dozen cans **DEE** 7.70

No. 1 LARD.

1 Gal. Can, per doz. cans **ABDJ** $20.00
½ Gal. Can, per doz. cans **JFCJ** 11.40
1 Qt. Can, per dozen cans **CFJ** 6.80
Adapted for all kinds of pipe, thread and steel cutting.

REVONOC FAMILY LUBRICATING OIL.



No. 9-P REVONOC—4 oz. handsome can, with screw top, lithographed beautifully in color...per dozen **JIJ** $1.50
No. 12-P REVONOC—8 oz, per dozen .....**ABJ** 2.00
For lawn mowers, sewing machines, bicycles and general household use.

NEATSFOOT.

Strictly Pure.

1 Gal. Can, per doz. cans **AFBE** $27.00
½ Gal. Can, per doz. cans **JIJJ** 15.00
1 Qt. Can, per dozen cans **EAE** 8.60
1 Pt. Can, per dozen cans **CFJ** 5.00
This is the highest grade of pure neatsfoot oil produced.
A superior preservative and dressing for fine leather. Especially adapted for keeping fine harness and leather belting soft and pliable and in condition to stand wear and weather.

EXTRA NEATSFOOT.

1 Gal. Can, per doz. cans **ACDJ** $22.30
½ Gal. Can, per doz. cans **JGEE** 12.60
1 Qt. Can, per dozen cans **DDE** 7.40
This is a very fine leather dressing and preservative. It keeps all kinds of leathers soft and pliable and is especially adapted for use on belting and harness.

REVONOC FOR-ALL-THINGS OIL.



REVONOC *For-All-Things Oil is a high viscosity, low gravity lubricating oil unexcelled for its Cleaning and Polishing properties.*

Prevents Guns from Rusting, Nickel and Brass from Tarnishing.

Penetrates into the pores of the metal, forming a film-like coating that defies all weather conditions.

Unsurpassed for cleaning and polishing pianos and fine furniture. Use damp cloth on veneered or polished surfaces and dry cloth on metal.

No. 64P—1 oz. bottles, w't per doz. 2 lbs. .....per dozen **JHE** $1.40
No. 65P—3 oz. bottles, w't per doz. 6 lbs. .....per dozen **AGJ** $2.80
No. 66P—8 oz. bottles, w't per doz. 16 lbs. .....per dozen **CIJ** $6.50
No. 68P—4 oz. cans, with patented spouts, w't per doz. 7 lbs., per dozen .....**BJJ** $3.30

ONE DOZEN IN A BOX.

BOTTLES PACKED ONE DOZEN IN A NEAT WOOD BOX WITH SLIDING TOP.

CUP GREASES, WHITE LEADS AND DRY PAINTS.

CUP GREASE.



REVONOC Cup Grease is the highest quality in lubricating compounds, containing all essential requirements. It has a high fire test, high melting point, and is a perfectly homogeneous product, is not an imitation of anything, but represents the results of scientific research into the requirements of perfect lubrication, free from acid, the safest lubricant for first class machinery. There is no pitting of wearing parts when machine is idle. It is not affected by climatic changes, and is especially adapted for automobiles, steam and electric railway service, steamships, motor boats, launches, crank pins, cereal mill rolls, etc.

The experienced automobile owner knows that the worst part of unreliable cup grease is that you never realize the danger until the expensive damage—as in the cutting or scratching of bearing—has been done.

Make your next order for grease read REVONOC Cup Grease, and be sure you are safe.



REVONOC Hard Oil or Cup Grease.

Bbls. and Half Bbls, per lb.	**AE**	$0.24
50 and 100 lb. Cans....per lb.	**AH**	.30
10 and 25 lb. Cans.....per lb.	**BJ**	.34
5 lb. Cans .....per lb.	**BB**	.36
1 lb. Cans .....per lb.	**BC**	.38



Premier Cup Grease .

Bbls. and Half Bbls., per lb.	**JG**	$0.11
50 and 100 lb. Cans....per lb.	**AJ**	.16
10 lb. Cans .....per lb.	**AA**	.18
5 lb. Cans .....per lb.	**AB**	.20
1 lb. Cans .....per lb.	**AC**	.22

A solidified oil of golden color intended for all classes of lubrication requiring a non-pouring grease or hard oil.

REVONOC COMBINATION LEAD AND ZINC.



Ground in Pure Linseed Oil, for Use Where it is Desired to Mix a Paint of Extreme Fineness, Whiteness and Durability.

12½, 25, 50 and 100 lb. Steel Kegs, net w't .....per pound **JHA-B** $0.15
1, 2, 3 and 5 lb. Cans, net w't, per pound .....**AA** $0.17

Does one-half more work than corroded or ordinary Trust lead. It is commonly known that a combination of pigments makes a stronger paint than any of those pigments alone. That is one reason why work done with REVONOC lead and zinc sticks firmer and wears longer. Not destructive to oil colors, because sublimed lead is used instead of corroded lead. Non-poisonous and finer in grain, more stable chemically than the corroded lead. Does not discolor in fumes or sulphur gases or smoke, or attack the linseed oil and destroy the gloss. Does not attack the most delicate color pigments.

I-X-L WHITE LEAD.

I-X-L, 1 lb. cans, per pound	**AJ**	$0.15
I-X-L, 2 lb. cans, per pound	**AJ**	.15
I-X-L, 3 lb. cans, per pound	**JI**	.14
I-X-L, 5 lb. cans, per pound	**JI**	.14
I-X-L, in 12½, 25, 50 or 100 lb. kegs, per pound	**JG**	$0.09

I-X-L White has been sold for years for its remarkable whiteness and fineness. It is finely ground in pure linseed oil and is superior to many brands of lead on the market sold for more money.

CARTER'S STRICTLY PURE WHITE LEAD.

Put Up in Steel Kegs Only. In 12½, 25, 50 or 100 lb. Kegs.

Carter White Lead, dry or in oil, per pound .....Mkt.
Carter White Lead, in oil, in 1, 2, 3 and 5 lb. tin cans .....per pound Mkt.
Carter White Lead, in oil, assorted 100 lb. cases, containing 20-1, 15-2, 10-3, 4-5 lb. cans, assorted 50 lb. cases containing 20-1, 10-2, 2-5 lb. cans, per pound .....Mkt.

STEEL KEGS ONLY.

To save freight for our customers, we have arranged to ship Carter's Leads from nearest points, viz.: Chicago, St. Paul, Omaha, Kansas City, Cincinnati, Detroit, Milwaukee, St. Louis, Cleveland, New Orleans, Duluth, Savannah, Memphis and Nashville.

CAMDEN'S RED LEAD AND LITHARGE.

Camden Red Lead, dry, per pound Mkt.
Camden Litharge, dry..per pound Mkt.

Red Lead and Litharge are sold only in dry form.

DRY MINERAL PAINTS.



No. 2-X—Venetian Red—

Barrels .....per 100 lbs.	**BDJ**	$4.00
Half Barrels, per 100 lbs.	**BGJ**	4.50
Less .....per 100 lbs.	**CFJ**	6.00

A strong, fine mineral containing 20 per cent Ferric oxide of iron.

No. 4-X—English Venetian Red—

Barrels .....per 100 lbs.	**CJJ**	$5.00
Half Barrels, per 100 lbs.	**CCJ**	5.50
Less .....per 100 lbs.	**DBJ**	7.00

This is the strongest dry mineral we stock and contains over 30 per cent Ferric oxide of iron.

Both of the above dry minerals have been added to meet a demand for higher grades than our No. 73 "Perfection" and should sell where the best is wanted by the retailer or manufacturer. The value of Venetian Red is based on the strength in Ferric oxide of iron or coloring matter. Where ordinary grades average 8 to 15 per cent, these run 20 and 30 per cent.

These colors are known as Light Gravity Reds, as the color will remain in suspension after it is mixed in oil.

Special prices in ton lots.

No. 13—American Venetian Red—

Bbls., 350 lbs., per 100 lbs.	**ACJ**	$1.70
Half Barrels, per 100 lbs.	**AEJ**	2.00
Less .....per 100 lbs.	**BDJ**	3.50

Good shade and ground fine. Very popular seller.

No. 16—Cookson's English Venetian Red—

Bbls., 336 lbs., per 100 lbs.	**ADE**	$2.30
Half Barrels, per 100 lbs.	**AFJ**	2.60
Less .....per 100 lbs.	**BGE**	4.50

Very strong red. Is of a purple shade when dry; when mixed in oil it is an excellent deep red.

No. 72—Royal English Venetian Red—

Bbls., 336 lbs., per 100 lbs.	**ADE**	$2.50
Half Barrels, per 100 lbs.	**AFJ**	2.80
Less .....per 100 lbs.	**BGE**	4.50

Our own selection of English Venetian Red; very fine; spreads smoothly under the brush; color strong; stands well. Similar in color to No. 73, but not so strong in oxide.

No. 73—Perfection English Venetian Red—

Bbls., 336 lbs., per 100 lbs.	**AFJ**	$3.00
Half Barrels, per 100 lbs.	**AHJ**	3.30
Less .....per 100 lbs.	**BIJ**	5.00

This is the best English red we sell; very strong; ground very fine; spreads smoothly under the brush; free from grit of all kinds; the very best red for the money ever put on the market.

No. 34—Pure French Yellow Ochre—

Barrels, 375 to 400 lbs., per 100 lbs.	**ABE**	$2.50
Half Barrels, per 100 lbs.	**ADE**	2.80
Less .....per 100 lbs.	**BDJ**	4.50

The standard yellow ochre and most called for of all ochres; is fine and of good quality; strong in color; gives every one satisfaction.

MORTAR STAINS AND DRY COLORS.

Dry Colors D J %.

DRY COLORS.

Gilders' Whiting.

Bolted, 350 lbs. in bbl., per pound $0.02

Less than Bbl. Lots ....per pound .04

Extensively used in the manufacturers' arts.

Chalk.

Lump, 300 to 400 lbs. in bbl., per lb. $0.02

Less than Bbl. Lots .....per pound .04

For coopers' use.

Dry White Lead.

In Bbbls, or 100 Lb Kegs,
per lb.★ .....Mkt.

Less than Bbl. Lots....per pound Mkt.

This is mostly used to make cements and carriage putty. It is also mixed and ground in connection with various pigments to produce colors, giving them a body and covering capacity. At the present day this article can be had in nearly every form imaginable.

Plaster of Paris.

260 lbs. to Bbl. .....per barrel $5.00

Less than Bbl. Lots .....per pound .04

For making casts, finishing coats of wall plaster, and is now fast taking the place of lime in wall plaster. Nearly all patent plaster is mixed with this article in the place of lime. By retarding the setting of the plaster of Paris with powdered glue and air-slacked lime, or china clay, it can be made to set in any desired length of time. The addition of alum water will harden this article like granite.

No charge for barrels.

DRY COLORS.

Ordinary Lamp Black.

1 lb. Papers, 50 lbs. in box, per lb. $0.13
½ lb. Papers, 50 lbs. in box, per lb. .17
¼ lb. Papers, 50 lbs. in box, per lb. .21

This brand is the most in demand for general purposes.

Assorted, 1, ½ and ¼ lb. papers, 50 lbs. in box .....per pound $0.17

"OLD ABE" Germantown Lamp Black.

1 lb. Papers, 50 lbs. in box, per lb.$.22
½ lb. Papers, 50 lbs. in box, per lb. .26½
¼ lb. Papers, 50 lbs. in box, per lb. .31

Assorted, 1, ½ and ¼ lb. papers, 50 lbs. in box .....per pound $0.26½

Pure and free from grit; extensively used for general painting purposes; gives good satisfaction; free from creosote or grease.

No charge for barrels.

Brown.

	100-lb. Drums.★	Less Quant.
*Burnt Turkey Umber, per pound	$0.11	$0.13
*Raw Turkey Umber, per lb.	.11	.13
*Burnt American Umber, per pound	.04½	06½
*Raw American Umber, per pound	.04½	06½
Burnt Italian Sienna, per pound	.15	.17
Raw Italian Sienna, per lb.	.15	.17
*Burnt American Sienna, per pound	.04½	.06½
*Raw American Sienna, per pound	.04½	06½

Greens.

	100-lb. Drums.★	Less Quant.
*Chrome Green Standard, light, medium or dark, per pound	.14	.20
*No. 1 Chrome Green, medium, per pound	.17½	21½
Medium Chrome Yellow	.16½	.20½
Dark Chrome Yellow	.16½	.20½

★BARRELS AND 100 LB. DRUMS FOR FACTORY SHIPMENT ONLY.

DRY COLORS.

Blues.

	28-lb. Boxes.★	Less Quant.
*Ultramarine Blue A. B., per pound	.20	.22
*Ultramarine Blue A. D., per pound	.17	.19
C. B. Ultramarine Blue, per pound	.14	.15
C. B. Ultramarine Blue, in 100 lb. kegs, per pound		.11

Vermilion.

	100-lb. Drums.★	Less Quant.
*American Vermilion, per lb.	.22	.24

★100 LB. DRUMS FOR FACTORY SHIPMENT ONLY.

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments, we are enabled to fill orders with unequaled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

**WE RECOMMEND THESE COLORS AS THE BEST SELLERS.*

COLDWATER PAINTS AND CALCIMINE TINTS.

INDELIBLO COLD WATER PAINT.



CJ%

Indelible—Interior and Exterior.

	400-lb. Bbls.	200-lb. Kegs.	100-lb. Kegs.	50 lb. Kegs.	25-lb. Kegs.
No. 199—White, Interior only, per pound	$0.08	.08¾	.09½	.10¼	
No. 200—White, Exterior, per lb.	.09	.09¾	.10½	.11¼	
Nos. 201, 202, 203, 204, 205, 208—Exterior, per lb.	.10½	.11¼	.12	.12¾	
Nos. 210, 212, 214, 215, 216, 217—Exterior, per lb.	.10½	.11¼	.12	.12¾	
Nos. 206, 207, and 209—Exterior, per pound	.11¼	.12	.12¾	.13½	
No. 211—Exterior, per pound	.12¾	.13½	.14¼	.15	
No. 213—Exterior, per pound	.15¾	.16½	.17	.17¾	

A wonderful cold water paint; weatherproof, fireproof, and a substitute for oil paint; a powder that mixes easily with cold water. Anyone can apply it; will remain in suspension while in solution with no sediment; can be put on any kind of surface; produces a waterproof coating; will not wash off; will stand the snow and rain; is but a fraction of the cost of oil paint; will last for years; one coat covers better than two coats of whitewash; will not rub, crack, scale or peel off. Suitable for elevators and factories (inside and outside), boiler rooms, breweries and basements, also sides of buildings and areaways, brick and stone walls, courts, sheds, etc., can be applied with a machine. About 5 lbs. dry powder will produce a gallon of paint. Never put up in 5 lb. packages, 25 lb. keg, the smallest package.

SPECIAL FIREPROOF INTERIOR COLD WATER PAINT.

White Only.

	400-lb. bbls.	200-lb. bbls.	100-lb. kegs.
Capacity			
Per pound	$0.06	.06½	.07
	E	E A/D	F

Will not deteriorate by age, as it can be mixed and used at any time. Pure white, will not rub, absolutely fireproof; mixes easily, will reduce lighting expenses 40 per cent.

Not a kalsomine, but a practical paint for all interiors. Sanitary, fireproof and light-reflecting; will keep stables, outhouses, cellars, and storerooms clean and wholesome.

For any kind of interiors where it is desirable to have a fireproof and sanitary coating which will be light, durable and healthy.

Manufactured in dry powder form and is to be mixed with cold water. Five pounds of the powder will make a gallon of good paint which, when applied with brush or paint sprayer, will cover 200 square feet.

REVONOC KALSOMINE.



REVONOC Kalsomine is scientifically prepared from finest washed and floated whiting and best quality hide stock glue that can be procured. Is ready for use when mixed with ordinary cold water, does not contain lime, acid, alkali or any injurious ingredients. It is absolutely non-poisonous, will not peel or crack if applied on a solid surface, covers well with one coat and will not rub off. It is the only kalsomine solube in cold water that can be re-coated.

5 lb. Packages, White and Tints.

White .....per pound J F $0.12
Tints .....per pound J F .14

Colors.

No. 200—Ivory.
No. 201—Pale Green.
No. 202—Fawn.
No. 203—Pea Green.
No. 204—Buff.
No. 205—Blue Green.
No. 206—Golden Yellow.
No. 207—Bottle Green.
No. 208—Old Rose.
No. 209—Light Yellow.
No. 210—Medium Green.
No. 211—Leather Brown.
No. 212—Sea Green.
No. 213—Coral Pink.
No. 214—Light Blue.
No. 215—Terra Cotta.
No. 216—Cream.
No. 217—Deep Green.

REVONOC *Kalsomine is put up in dry powder form, in white and eighteen shades. In five pound packages only; twenty packages to a case.*

ALABASTINE TINTS.

No. 20—Light Tan.
No. 21—Pink.
No. 22—Light Blue.
No. 23—Light Green.
No. 24—Azure Blue.
No. 26—Light Cream.
No. 28—Robin Egg Blue.
No. 29—Brown.
No. 31—Salmon Pink.
No. 32—Light Chrome.
No. 33—Dark Green.
No. 48—Tan.
No. 49—Apple Green.
No. 52—Straw Color.
No. 54—Gray.
No. 56—Terra Cotta.
White—no number used.

ALABASTINE POSITIVE COLORS.

No. 1—Chrome Yellow.
No. 5—Lattice Green.
No. 6—Vienna Lake.
No. 12—Vermilion.
No. 14—Maroon Lake.
No. 15—Orange.
No. 16—Pea Green.
No. 97—Light Brown.

MURESCO.

No. 1—Sky Blue.
No. 2—French Gray.
No. 3—Lavender.
No. 4—Straw.
No. 5—Light Olive.
No. 6—Pearl.
No. 7—Green Tint.
No. 8—Pink.
No. 9—Drab.
No. 11—Dark Green.
No. 12—Cream.
No. 13—Salmon.
No. 14—Buff.
No. 15—Blue Tint.
No. 16—Pea Green.
No. 17—Canary.

CALCIMINES.

Dry Interior Wall Coatings. Ready for Use when Mixed with Hot or Cold Water. Special Rates in Quantity Orders.

KALSOMINE.



REVONOC—Contains no lime, acid, alkali or any injurious ingredients, will not rub off, in dry powder form—when mixed with cold water it is ready for use, in white and eighteen shades.

White. .....per lb. J F $0.10
Tints .....per lb. J G .11

REVONOC *Kalsomine is scientifically prepared from the finest washed and floated whiting and best quality hide stock glue that can be secured.*

It is the only Kasomine soluble in cold water that can be re-coated. It will not peel or crack if applied on a solid surface, covers well with one coat.

REVONOC Kalsomine Tints.

No. 200—Ivory.
No. 201—Pale Green.
No. 202—Fawn.
No. 203—Pea Green.
No. 204—Buff.
No. 205—Blue Green.
No. 206—Golden Yellow.
No. 207—Bottle Green.
No. 208—Old Rose.
No. 209—Light Yellow.
No. 210—Medium Green.
No. 211—Leather Brown.
No. 212—Sea Green.
No. 213—Coral Pink.
No. 214—Light Blue.
No. 215—Terra Cotta.
No. 216—Cream.
No. 217—Deep Green.

White.

In five pound packages only, twenty packages to a case.

ALABASTINE.



F. O. B. Chicago, New York or Grand Rapids.

For wood, brick, stone, plaster, canvas or papered wall surfaces. Alabastine will not flake, crumble or rub off when properly applied. It is suitable for either plain tinting or elaborate relief decorating. It is easy to apply with an ordinary wall brush, works well on rough or smooth walls, but a sand finished, floated or troweled surface gives best results.

A five pound package of Alabastine properly mixed with water will cover from 300 to 400 square feet of wall surface, according to its smoothness.

Alabastine is entirely sanitary, is absolutely fireproof, thus being particularly adapted to the interior of factories, warehouses, etc.

Tints and White.

For Interior Use Only. Give Shade Number and Size of Package When Ordering.

5 lb. package, all tints, per pound $0.11
5 lb. package, white.....per pound .10
100 lb. kegs, all tipts★...per pound .10
100 lb. kegs, white★ .....per pound .09

TWENTY 5 LB. PACKAGES IN A CASE. W'T 114 LBS. PER CASE; NO EXTRA CHARGE FOR ASSORTED CASES.

Alabastine Positive Colors.

Nos. 1, 8, 15, 97—
Bulk★ .....per pound $0.23
1 lb. package .....per pound .27
Nos. 5, 16—
Bulk★ .....per pound .32
1 lb. package .....per pound .36
Nos. 6, 12, 14—
Bulk★ .....per pound .35
1 lb. package .....per pound .39

COLORS 1 TO 97, INCLUSIVE, ARE PUT UP IN 1 AND 4 LB. PACKAGES; ALSO IN 25, 50 AND 100 LB. KEGS; EIGHTY 1 LB. PACKAGES IN A CASE; TWENTY 4 LB. PACKAGES IN A CASE.

4 LB. PACKAGES, 25, 50 AND 100 LB. KEGS, FACTORY SHIPMENT ONLY.

Alabastine positive colors are used for decorating, lining, out-lining stencil decorations. Also can be mixed with oil for tinting white lead or oil paint. Used on walls; no glue or sizing necessary. One coat produces excellent results on walls. Can be intermixed with Alabastine colors and tints for varied color effects.

Alabastine has enjoyed increasing demand for forty years. The people know what it is.

MURESCO.



DJ%.

F. O. B. Chicago.

A tasty colored or white finish on new or old plaster, brick, stone, wood, metal or canvas, easy to apply, covers perfectly, shows no lap or brush marks, is fireproof, sanitary, artistic, and durable. Muresco is suitable for fine decorating and is cheap enough for the plainest.

XX Pure White, Tinting White and Tints.

Barrels, w't 330 lbs.—★
XX Pure White ....per pound $0.06
Tinting White .....per pound .06
Tints .....per pound .07

Half Barrels, w't 200 lbs.—★
XX Pure White ....per pound $0.06½
Tinting White .....per pound .06½
Tints .....per pound .07½

Kegs, w't 100 lbs.—★
XX Pure White ....per pound $0.07
Tinting White .....per pound .07
Tints .....per pound .08

5 lb. Packages, XX Pure White and Tints Only—
XX Pure White ....per pound $0.08
Tints .....per pound .09

Muresco Positive Colors.

	1 lb. Pkg. Per Lb.	5 lb. Pkg. Per Lb.	50 or 100 lb. Drums Per Lb.
No. 30—Citron yellow.	$0.32	$0.30	$0.28
No. 31—Golden yellow	.24	.22	.20
No. 32—Orange yellow	.32	.30	.28
No. 33—Vienna lake...	.46	.44	.42
No. 34—Permanent red	.46	...	.42
No. 35—Blue lake	.32	...	.28
No. 37—Milori green ..	.42	.40	.38
No. 38—Leaf green ...	42	.40	.38
No. 39—Turquoise blue	.42	.40	.38
No. 40—Orient brown.	.24	.22	.20
No. 41—Italian red ...	.18	.16	.14
No. 42—Indian lake ..	.32	...	.28
No. 43—Olive green ..	.32	...	.28
No. 45—Forest Green..	.32	.30	.28
No. 46—Red lake	.46	.44	.42
No. 47—Leather brown	.18	.16	.14

Muresco positive colors are for use alone, or in combination with tints or tinting white, to produce new shades. They are adapted to all kinds of wall and ceiling decorating, fresco painting, plain tinting. They are ground fine, work easily, cover perfectly, flow on smoothly and dry flat, without clouds, brush marks or flashing, making a clear and soft-like surface.

WALL PAPER CLEANERS AND DRY PASTES.

FULLER'S "COLD WATER" WALL CLEANER.



Special prices on quantity orders. Used by Housekeepers, Painters Decorators, Paper Hangers and Professional House Cleaners.

No. 20—1 lb. cartons, per gross .....AHJJ $30.00
No. 21—35 lb. pails,★ per lb. AB .20
No. 22—100 lbs., half bbl., per pound★ .....AA .17
No. 23—200 lbs., barrels, per pound★ .....AJ .18

NO. 20, ONE-HALF GROSS IN A CASE.

FULLER'S "COLD WATER" DRY PASTE.

Specially Adapted for Paper Hanging, Labeling, Bookbinding, Publishing, Manufacturing Purposes and General Use.

No. 30—1 lb. cartons, per gross .....AGJ $24.50
No. 31—2½ lb. cartons, per gross .....CDEE 57.60
No. 33—100 lb., half bbls., per pound★ .....JG .11
No. 34—200 lb., barrels, per pound★ .....JF .10

Clean, sanitary and convenient to handle. Works satisfactorily with labeling machines. Allows paper to slide easily before drying, and will not discolor the most delicate tinted paper or fabrics. Sticks on all kinds of surfaces, glass, iron, tin, wood, brick, leather, painted and enameled ware.

NOS. 30 AND 31, FIFTY CARTONS IN A CASE.

FULLER'S "ASBESTOS" DRY PASTE.

Especially Prepared for the Use of Heating Contractors, Plumbers and Manufacturers, For Pasting Asbestos Covering, Cloth, Paper and Leather on All Kinds of Hard, Smooth and Heated Surfaces, Such as Metals, Brick, Glass, Wood and Glazed Ware.

No. 46—35 lb. pails, per pound★ .....AJ $0.16
No. 47—100 lbs., half bbls., per pound★ .....JH .14
No. 48—200 lbs., barrels, per pound★ .....JG .12

Proof against extreme heat. One pound of powder makes over a gallon of paste ready for use.

FULLER'S MURASO WALL CLEANER.



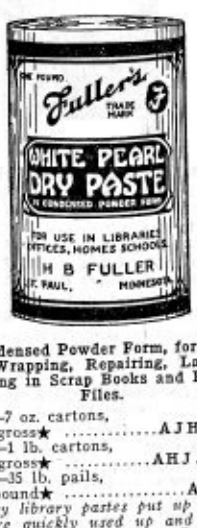
Ready for Use.

No. 40—1 lb. cartons, per gross .....AJHJ $18.00

"Murasco" removes dirt from wall paper, calcimines, frescoes and window shades, making them bright and clean as new. In the form of a thick dough ready for use when taken from the moisture-proof carton. Before the cover of the carton is removed, it is warranted to keep in good working condition. One pound of "Murasco" enough to clean an ordinary dwelling room.

ONE-QUARTER GROSS IN A CASE.

"WHITE PEARL" LIBRARY DRY PASTE.



In Condensed Powder Form, for Mounting, Wrapping, Repairing, Labeling, Pasting in Scrap Books and Record Files.

No. 50—7 oz. cartons, per gross★ .....AJHJ $18.00
No. 60—1 lb. cartons, per gross★ .....AHJJ 30.00
No. 70—35 lb. pails, per pound★ .....AB .20

Fancy library pastes put up in glass jars are quickly used up and are expensive. "White Pearl" Dry Paste costs about one-tenth as much and works more satisfactorily. The powder always keeps, has simply to be mixed with cold or warm water as required. No waste from spoiling or drying up.

NOS. 50 AND 60, ONE-HALF GROSS IN A CASE; NO. 70, ONE DOZEN IN A COUNTER DISPLAY CASE.

★*FOR FACTORY SHIPMENT ONLY.*

WALL PAPER CLEANERS AND PASTES.



1 lb. cans.....per dozen JIJ $1.50

The wonder wall paper cleaner, not only removes dirt like magic, from wall paper, but can be successfully used in cleaning and restoring delicate fabrics, window shades, picture frames, draperies, portiers, statuary, etc.

Absorbs dirt as a sponge absorbs water.

Full 16 oz. cans.

Rutherford's.

No. 1—1 lb. cans, w't per doz. 12½ lbs., per dozen .....AJJ $1.50

Electric.

No. 2—1 lb. cans, w't per doz. 13½ lbs., per dozen .....AJJ $1.50

THREE DOZEN IN A CASE.

WALL PAPER CLEANER.



Climax—10c size cans, w't per doz. cans 12 lbs. .....per dozen JIJ $1.20

For cleaning wall paper, window shades, frescoes, calcimine, etc. Climax Cleaner is soft, pliable, does not stick and is easy and pleasant to handle as it never sours or moulds.

Non-injurious, quickly removes dirt and germs.

One can will clean a good-sized room.

ONE-QUARTER GROSS IN A CARTON.

GLUES AND CEMENT.

REVONOC MEND ALL HOUSEHOLD CEMENT.



REVONOC—W't per doz. 1¼ lbs., per dozen .....J I J $1.50

For mending china, cut glass, pottery, ivory, pearl, bone, wood, etc.

Articles mended with REVONOC *Household Cement are as strong as new, and can be washed in hot water with impunity.*

It differs from other cements in the fact that it is colorless, rendering the mend invisible.

ONE DOZEN IN AN ATTRACTIVE DISPLAY BOX.

GUMBO PASTE.



Barrels, 200 lbs. .....per lb. J F $0.10
100-lb. Drums .....per lb. J F .11
50-lb. Drums .....per lb. J G .12
2½-lb. Packages .....per lb. J H .14

When this paste is mixed with cold water it is ready for immediate use, thus avoiding the delay in steaming and cooking. It sticks quickly and will hold fast, hanging burlap as well as any kind of paper to all surfaces. Edges lay flat, while the paper slides on the wall, working smoothly. Will not spot or stain, is transparent, pure and inoffensive.

LIQUID GLUES.



LE PAGE'S FISH GLUE, with Brush.

1 oz. bottles, w't per doz. 2½ lbs., per dozen .....J I E $1.20
2 oz. bottles, w't per doz. 4½ lbs., per dozen .....A E J $1.80
½ gill cans, patent top, w't per doz. 7 lbs.....per dozen A E J $1.65
1 gill cans, patent top, w't per doz. 11 lbs.....per dozen B J J $2.20

ONE GROSS 1 OZ. BOTTLES; ONE-HALF GROSS 2 OZ. BOTTLES; THREE DOZEN ½ AND 1 GILL CANS IN A CASE.

LE PAGE'S FISH GLUE, Patent Top, without Brush.

½ pt. cans, w't per doz. 12 lbs., per dozen .....B H E $3.25
1 pt. cans, w't per doz. 18 lbs., per dozen .....D H E $5.40
1 qt. cans, w't per doz. 36 lbs., per dozen .....H F J 9.50
½ gal. cans, w't per doz. 66 lbs., per dozen .....A F F E $18.50
1 gal. cans, w't per doz. 132 lbs., per dozen .....C B D J $36.00
5 gal. cans, boxed, w't per can 58 lbs., per dozen .....A E A B J $168.00

½ PT. CANS, TWO DOZEN; 1 PT. AND 1 QT., ONE DOZEN; ½ AND 1 GAL., ONE-HALF DOZEN IN A CASE.

LIQUID GLUES.



LE PAGE'S FISH GLUE, Self-Sealing Collopsible Tubes.

No. 1—¾x4 in., w't per doz. 1¼ lbs., per doz A J J $1.20
No. 2—1⅛x4 in., w't per doz. 1⅞ lbs., per dozen ....A E J $1.80

TWO DOZEN IN A BOX, WITH HANDSOME SHOW CARD.

LE PAGE'S FISH GLUE, Retail Assortments.

No. 1-P—Consisting of two dozen 1 oz. bottles, one dozen ½ gill cans, with tinned wire display stand, w't 11½ lbs., each ..... C C E $3.75

BULK GLUES.



Genuine Handles-marke Glue.

No. 11—Comes only in sheets about 2½x6½ in., stamped with the import trade mark .....per sheet A H $0.30
An A1 glue for general purposes and high grade cabinet work; none genuine without the trade-mark.
No. 12—Ribbon amber, 8¼x1 in. sheets, per pound .....A I $0.30

ABOUT 250 LBS. IN A BARREL.

Flake Glues.

No. 14—Sinew stock, broken flake gelatine .....per pound A G $0.28
A transparent glue for extra fine sizing, calcimining and painters' glue; also good for general work where the very best glue is required.

ABOUT 175 LBS. IN A BARREL.

No. 18—B amber, joining glue for soft woodwork, sizing, per pound A D $0.20

ABOUT 250 LBS. IN A BARREL.

No. 20—X3 pure hide, broken flake, for fine cabinet work, per lb. A H $0.30

ABOUT 250 LBS. IN A BARREL.

No. 24—"A" white flake, per pound .....A F $0.24
A first class calcimining glue. Thicker cut than the white thin stock.

ABOUT 250 LBS. IN A BARREL.

Ground Glues.

No. 30—H. S. B. white, per lb. A G $0.28
A general calcimining glue, dissolves rapidly and does the best of work.
No. 34—Special C. X., ground, light color, otherwise similar to B amber, per pound .....A B $0.20
For wall paper, paper boxes, binding and cooperage.

ALL GROUND GLUES, ABOUT 400 LBS. IN A BARREL.

Insure Against Weather

Paint That Won't Go Back On You



There's a big difference in paints. They may look alike at first, but their "wear" depends on how they are made. You can be safe.

O V B
OUR VERY BEST

"All that's Best in a Paint"

prevents all danger of paint failure. It proves its quality by long years of service.

O. V. B. paint is pure—contains no cheapeners. That is why it costs less in the end and saves trouble meanwhile. Come in today. Ask for our color cards and suggestions.

LIQUID GLUE, PUTTY, STOVE PIPE ENAMEL.

CAEMENTUM.



Caementum—For mending gas globes, enamel ware, china, sticking letters to windows, and fitting tiles and marble pieces, w't per doz. 1½ lbs., per dozen .....BDJ $3.00

Caementum is a new form of liquid porcelain. An insoluble adhesive cement for all mending and re-making purposes. Caementum mends everything instantly and permanently, yet is not sticky itself. It forms a joint which defies heat, cold, moisture, gas, air, acid and time.

ONE DOZEN IN A BOX.

ROMAN CEMENT.

No. 5—10 cent size, collapsible tubes, per dozen .....JGJ $1.20

For mending wood, china, glass, statuary, and everything mendable in the home or office. Will not deteriorate in any climate.

Put up in attractive colored cartons for counter display.

ONE DOZEN IN A BOX.

CROCKERY CEMENT.



No. 4—Assortment, instant crockery mender, contains three dozen bottles, one Anglo-Swiss Watch and Fob and advertising matter, w't per asst. 11 lbs....per assortment JFCJ $10.50

Mends everything. We warrant it to be the best article made for the purpose.

COMMERCIAL OR GLAZIERS' PUTTY.

Missouri Whiting and Pure Oil.

Barrels, about 800 lbs., per 100 pounds	BAJ	$3.50
Bladders, in barrels, about 300 lbs., per 100 pounds	BDJ	$4.00
		Per 100 lbs.
Bladders, in less quantity	BGJ	$4.50
100 lb. Tin Jacket Kits	BDE	4.10
50 lb. Tin Jacket Kits	BFJ	4.30
25 lb. Tin Jacket Kits	BGJ	4.50
12½ lb. Tin Pails	CBE	5.40

REVONOC FURNACE CEMENT.



Asbestos, Fire-proof.

5 and 10 lb. Cans, per pound F $0.09
1 lb. Cans.....per pound JH .14

This cement is composed of asbestos materials, and is used for mounting and repairing furnaces, ranges, heaters, stoves, etc., making them gas tight. Prepared ready for use. Adheres firmly to the castings, sets in a few hours, odorless, contains no oil. Acids and chemicals have no effect on it.

PUTTY.



Absolutely Pure Linseed Oil and Whiting.

Barrels, about 800 lbs., per 100 pounds	BDJ	$4.00
Bladders, in barrels, about 300 lbs., per 100 pounds	BGJ	$4.50
		Per 100 lbs.
Bladders, in less quantity	CJJ	$5.00
100 lb. Tin Jacket Kits	BGE	4.60
50 lb. Tin Jacket Kits	BIJ	4.80
25 lb. Tin Jacket Kits	CJJ	5.00
12½ lb. Friction Top Pails	CEE	5.90
1 lb. Tin Cans	JGBJ	12.00

Spreads smoothly and freely under the knife; dries with a hard surface and never shrinks or cracks.

CRUSO PUTTY.



Put Un In Hermetically Sealed Cans.

1 lb. cans.....per lb. E $0.07½
100 lb. lots .....per lb. D .07

Handy size for small jobs and household use. Dries hard and spreads smoothly.

ONE HUNDRED POUNDS IN A CASE.

STOVE PIPE ENAMEL.



One-Quarter Pint.

—¼ pt. cans, without brushes, ten cent size, w't per doz. 5 lbs., per dozen .....JHJ $1.20

ONE DOZEN IN A NEATLY LABELED PASTEBOARD BOX, WITH PLAIN (NOT HINGED) COVER.

Jet Black, Permanent and Elastic.

—½ pt. cans, with brush, w't per doz. 8 lbs.....per dozen ADE $2.40

ONE DOZEN IN A HANDSOME BOX, WITH HINGED COVER.



One-half Gal.		One Pint.
1 Pt. Can, with brush, w't per doz. 12 lbs.....per dozen	BAJ	$3.50

ONE DOZEN IN A CASE.

1 Qt. Can, w't per gal. 8 lbs., per gallon	ABJ	$2.00
½ Gal. Can, w't per gal. 8 lbs., per gallon	AAE	$1.90
1 Gal. Can, w't per gal. 8 lbs., per gallon	AAJ	$1.80

Contains 12 per cent high grade baking varnish, 2 per cent black toner.

Dries with a brilliant lustre. Prepared especially for gas stoves, boilers, machinery and all iron work where a bright gloss black is required.

REVONOC STOVE PUTTY OR IRON CEMENT.



5 and 10 lb. Cans, per pound JF $0.10
1 lb. Cans.....per pound JH .14

For mounting and repairing stoves and ranges. It bakes hard and adheres firmly to the castings, preventing the escape of gas and ashes.

FLINT AND EMERY PAPER AND CLOTH.

REVONOC FLINT PAPER.



Nos.	00	0	½	1
W't, ream, lbs.	19	22	23	32
Per ream	$6.25 CCE	6.25 CCE	6.25 CCE	6.75 CFE
Nos.	1½	2	2½	3
W't, ream, lbs.	35	41	47	53
Per ream	$7.25 CIJ	7.75 DBJ	8.25 DDE	9.50 EAE

Assorted, w't per ream 33 lbs., per ream ..... CIJ $7.25

REVONOC GARNET CABINET PAPER.

Commonly known as "Regular Garnet Paper."

Nos.	00	0	½
W't, ream, lbs.	30	34	39
Per ream	$6.50 EHE	6.50 EHE	6.50 EHE
Nos.	1	1½	2
W't, ream, lbs.	50	60	88
Per ream	$7.00 FCJ	7.50 FGE	8.00 GBJ

ONE-HALF REAM IN A PACKAGE.

REVONOC GARNET FINISHING PAPER.

Nos.	F6-0	F5-0	F4-0	F3-0
W't ream, lbs.	12	14	16	18
Per ream	$5.10 DHJ	5.10 DHJ	5.10 DHJ	5.10 DHJ
Nos.	F2-0	F0	F½	F1
W't ream, lbs.	20	22	24	26
Per ream	$5.10 DHJ	5.10 DHJ	5.10 DHJ	5.10 DHJ

Finishing paper has very fine grit, mounted on light paper backing and is used for finishing auto bodies, carriages and fine cabinet work.

ONE-HALF REAM IN A PACKAGE.

REVONOC EMERY CLOTH.

Nos.	00	0	½
Grade emery	150	120	90
W't, ream, lbs.	31	34	41
Per ream	$26.50 ABCE	26.50 ABCE	26.50 ABCE
Nos.	1	1½	2
Grade emery	80	70	60
W't, ream, lbs.	45	49	53
Per ream	$28.50 AEDJ	29.75 AFAJ	30.75 AFFJ

REVONOC CROCUS CLOTH.

Crocus, w't per ream 24 lbs., per ream ..... ADCJ $26.50

ONE-QUARTER REAM IN A PACKAGE.
ONE-HALF REAM IN A PACKAGE.

REVONOC PAPER.

Finest Pure Rope Manila Paper Backing, Extra Tough and Flexible Glue, Carefully Graded Abrasive Coating, Thoroughly Seasoned, In Sheets 9x11 Inches.

REVONOC CLOTH.

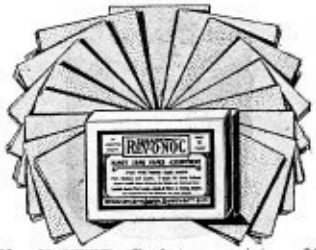
Finest Heavy Woven Twill Cloth Backing, Extra Tough and Flexible Glue, Carefully Graded Pure Turkish Emery Abrasive Coating, Thoroughly Seasoned, In Sheets 9x11 Inches.

REVONOC EMERY PAPER.

Nos.	00	0	½
Grade emery	150	120	90
W't, ream, lbs.	19	24	34
Per ream	$10.25 JEEJ	10.25 JEEJ	10.25 JEEJ
Nos.	1	1½	2
Grade emery	80	70	60
W't, ream, lbs.	40	44	46
Per ream	$12.00 JFEE	12.75 JFHE	13.50 JGBE

ONE-HALF REAM IN A PACKAGE.

HANDY FLINT PAPER ASSORTMENTS.



No. 24 REVONOC—Packet containing 24 assorted sheets 0 Regular First Quality REVONOC Flint Paper, 4½x5½ in. as follows—3 sheets each Nos. 3-0, 2-0, 0, ½, 1, 1½, 2 and 2½, a grade for every purpose, especially handy for household or office use, and for small odd jobs, priced to retail at ten cents per packet, w't per doz. packets 4¼ lbs., per dozen packets..... JIE $1.20

No. 12 REVONOC—Packet containing 12 assorted sheets 0 Regular First Quality REVONOC Flint Paper, 4½x5½ in. as follows—2 sheets each Nos. 2-0, 0, ½, 1, 1½ and 2, otherwise same as No. 24 REVONOC Asst., w't per doz. packets, 2½ lbs., per dozen packets ..... JDH $0.60

ONE DOZEN PACKETS IN A BOX; TWELVE DOZEN PACKETS IN A CASE. WE DO NOT BREAK BOXES OF ONE DOZEN.



ALOXITE CLOTH.



In Sheets 9x11 Inches, in Reams.

Nos.	FF	F	3/0
W't, ream, lbs.	23	28	30
Per ream	$26.50 ADCJ	26.50 ADCJ	26.50 ADCJ
Nos.	2/0	0	½
W't, ream, lbs.	32	35	42
Per ream	$26.50 ADCJ	26.50 ADCJ	26.50 ADCJ
Nos.	1	1½	2
W't, ream, lbs.	44	54	58
Per ream	$28.50 AEDJ	29.75 AFJE	30.75 AFFJ
Nos.	2½	3	3½
W't, ream, lbs.	74	85	103
Per ream	$33.00 AGHJ	35.25 AIJE	37.50 BJBE

Aloxite is a new abrasive, the product of the electric furnace. It is hard, sharp and tough, especially adapted to steel cutting, and is coated on cloth, for general machine shop use.

Aloxite cloth is superior to emery cloth; the Aloxite grains being so much harder and tougher than emery, cut the metal quickly and easily, leaving a superior finish.

Aloxite cloth is made with the greatest care, the grains being thoroughly cleaned, graded and coated on the best quality of brown drill by improved process. The glues used are the purest and best quality obtainable, and as a result Aloxite cloth is uniformly coated, durable and flexible.

Aloxite cloth can be used on all work where emery cloth is used, saving time, insuring a better finish and lasting longer.

ONE-HALF REAM IN A BUNDLE.

MARICOPA FLINT PAPER.

Good Fibre Paper, Selected Glue, and Carefully Graded Quartz Coating, Sheets 8¾x10½ Inches.

Nos.	00	0	½	1
W't, ream, lbs.	16	17	19	21
Per ream	$4.25 BAE	4.25 BAE	4.25 BAE	4.75 BDJ
Nos.	1½	2	2½	3
W't, ream, lbs.	27	31	40	44
Per ream	$4.75 BDJ	4.75 BDJ	5.25 BGJ	5.25 BGJ

Assorted, w't per ream 27 lbs., per ream ..... BDJ $4.75

FLINT AND EMERY PAPER AND CLOTH.

REVONOC FLINT PAPER.



DF%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$1.10	$1.15	$1.20	$1.25	$1.30	$1.45
3⅜ in., per roll	1.30	1.40	1.45	1.50	1.60	1.75
4 in., per roll	1.45	1.55	1.60	1.70	1.80	2.00
6 in., per roll	2.05	2.15	2.30	2.50	2.65	2.90
8 in., per roll	2.60	2.75	3.00	3.15	3.30	3.70
9 in., per roll	3.15	3.25	3.40	3.50	3.65	4.00
10 in., per roll	3.30	3.50	3.65	3.80	4.10	4.40
12 in., per roll	3.75	4.05	4.30	4.55	4.85	5.40
15 in., per roll	4.85	5.10	5.40	5.65	5.95	6.50
18 in., per roll	5.95	6.20	6.50	6.80	7.05	7.60
20 in., per roll	6.35	6.75	7.15	7.65	8.15	8.95
24 in., per roll	6.75	7.25	7.75	8.50	9.25	10.25
30 in., per roll	9.00	9.50	10.00	10.50	11.00	12.00
36 in., per roll	11.00	11.50	12.00	12.50	13.25	14.25
40 in., per roll	13.25	13.75	14.25	14.75	15.50	16.75
42 in., per roll	14.25	14.75	15.25	15.75	16.50	18.00
48 in., per roll	16.50	18.00	18.50	19.25	20.00	22.00

REVONOC FLINT CLOTH.

DF%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$2.55	$2.75	$2.85	$2.95	$3.15	$3.35
3⅜ in., per roll	3.35	3.65	3.80	3.90	4.20	4.45
4 in., per roll	3.85	4.20	4.35	4.50	4.85	5.20
5 in., per roll	5.20	5.60	5.80	6.05	6.50	6.90
6 in., per roll	5.60	6.10	6.35	6.60	7.10	7.55
7 in., per roll	6.60	7.20	7.50	7.80	8.35	8.90
8 in., per roll	7.40	8.00	8.35	8.70	9.30	9.95
9 in., per roll	8.40	9.10	9.50	9.90	10.60	11.35
10 in., per roll	9.35	10.10	10.50	10.90	11.70	12.35
12 in., per roll	11.20	12.20	12.70	13.20	14.20	15.10
14 in., per roll	12.00	13.00	13.75	14.50	15.50	16.50
16 in., per roll	14.80	16.00	16.70	17.40	18.60	19.90
18 in., per roll	16.80	18.20	19.00	19.80	21.20	22.70
20 in., per roll	18.70	20.20	21.00	21.80	23.40	24.70
24 in., per roll	21.85	23.65	24.80	26.00	27.85	29.60
28 in., per roll	24.00	26.00	27.50	29.00	31.00	33.00

REVONOC EMERY PAPER.

DF%

In rolls, 24 in. wide, 50 yards long.

Nos.	000	00	0	½	1
Grade emery	180	150	120	90	80
Per roll	$11.00	11.00	11.00	11.00	12.75
Nos.	**1½**	**2**	**2½**	**3**	**3½**
Grade emery	70	60	54	46	36
Per roll	$13.25	13.75	15.75	19.25	22.00

REVONOC GARNET PAPER.

AJ%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$1.15	$1.20	$1.25	$1.30	$1.35	$1.40
3⅜ in., per roll	1.30	1.35	1.40	1.45	1.50	1.70
4 in., per roll	1.50	1.55	1.60	1.70	1.80	1.95
6 in., per roll	2.10	2.15	2.25	2.35	2.50	2.80
8 in., per roll	2.75	2.85	2.95	3.15	3.30	3.70
9 in., per roll	3.20	3.35	3.45	3.60	3.75	4.00
10 in., per roll	3.50	3.65	3.80	4.00	4.20	4.55
12 in., per roll	4.05	4.20	4.30	4.60	4.90	5.40
15 in., per roll	5.20	5.45	5.75	6.05	6.25	6.80
18 in., per roll	6.20	6.50	6.75	7.00	7.30	7.80
20 in., per roll	7.30	7.60	7.90	8.10	8.40	8.90
24 in., per roll	7.50	7.75	8.00	8.50	9.25	10.25
30 in., per roll	9.75	10.25	10.75	11.25	12.00	13.00
36 in., per roll	12.00	12.50	13.00	13.50	14.00	15.25
40 in., per roll	14.00	14.50	15.25	15.75	16.25	17.25
42 in., per roll	16.25	16.75	17.25	17.75	18.25	20.00
48 in., per roll	20.00	21.00	21.50	22.00	23.75	27.00

REVONOC GARNET CLOTH.

AJ%

In rolls, 50 yards long.

Nos.	000 to ½	1	1½	2	2½	3
2⅜ in., per roll	$2.90	$3.10	$3.20	$3.25	$3.35	$3.45
3⅜ in., per roll	3.80	4.00	4.10	4.25	4.40	4.55
4 in., per roll	4.20	4.55	4.70	4.90	5.00	5.15
5 in., per roll	5.80	6.25	6.50	6.70	6.90	7.15
6 in., per roll	6.45	7.25	7.70	7.95	8.30	8.55
7 in., per roll	7.25	7.80	8.05	8.30	8.60	8.85
8 in., per roll	8.40	9.00	9.35	9.60	9.95	10.25
9 in., per roll	9.35	10.00	10.35	10.75	11.00	11.50
10 in., per roll	11.60	12.50	13.00	13.40	13.80	14.30
12 in., per roll	12.75	13.65	14.20	14.55	15.10	15.50
14 in., per roll	14.00	15.00	15.50	16.00	16.50	17.00
16 in., per roll	16.80	18.00	18.70	19.20	19.90	20.50
18 in., per roll	18.20	19.55	20.20	20.90	21.50	22.15
20 in., per roll	20.00	21.00	21.50	22.00	22.50	23.00
24 in., per roll	25.20	27.00	28.05	28.80	29.85	30.75
28 in., per roll	28.00	30.00	31.00	32.00	33.00	34.00

REVONOC EMERY CLOTH.

DF%

In rolls, 50 yards long.

Inches	9	18	27
Crocus	$9.25	18.50	27.75
No. FF	9.25	18.50	27.75
No. F	9.25	18.50	27.75
No. 00	9.25	18.50	27.75
No. 0	9.25	18.50	27.75
No. 100	9.25	18.50	27.75
No. ½	9.25	18.50	27.75
No. 1	10.50	21.00	31.50
No. 1½	11.00	22.00	33.00
No. 2	11.50	23.00	34.50
No. 2½	12.00	24.00	36.00
No. 3	13.25	26.50	39.75
No. 3½	14.25	28.50	42.75

TABLE OF WEIGHTS OF FLINT PAPER IN ROLLS.

Width, in.	2⅜	3⅜	4	6	8	9	10	12	15	18	20	24	30	36	40	42	48
No. 000, w't per roll, lbs.	2	3	3	5	7	8	9	11	13	17	18	21	26	33	36	38	..
No. 00, wt per roll, lbs.	2	3	4	6	8	9	10	12	15	18	20	24	30	36	40	42	48
No. 0, w't per roll, lbs.	2	3	5	7	10	10	12	14	17	20	23	28	34	40	45	48	56
No. ½, w't per roll, lbs.	3	4	5	8	10	11	13	16	19	22	26	31	38	45	52	55	62
No. 1, w't per roll, lbs.	3	5	6	9	12	13	15	18	23	27	30	36	45	54	60	63	72
No. 1½, w't per roll, lbs.	4	6	7	11	14	16	19	21	29	33	38	43	58	65	75	77	86
No. 2, w't per roll, lbs.	5	7	8	12	17	18	21	25	31	37	42	50	62	74	84	88	96
No. 2½, w't per roll, lbs.	6	9	10	15	20	23	25	30	37	45	52	60	75	90	103	112	120
No. 3, w't per roll, lbs.	7	11	12	18	24	27	30	36	45	54	60	72	90	108	120	130	144

Garnet paper weighs considerably more than flint, running from 26 to 120 lbs. on 24 in., as compared with 23 to 78 lbs. for the sizes 3-0 to 3. Garnet and flint cloth weigh approximately the same as paper. Emery paper and cloth weigh about the same as flint paper and cloth.

LYE, PUMICE STONE, STEEL WOOL, ETC.

ALUMINUM CLEANER.



No. 76-P REVONOC—4 oz. cans, per dozen .....J I J $1.50

REVONOC *Aluminum Cleaner is especially manufactured to clean and polish aluminum ware. It is absolutely free from ammonia, potash, acid and all harmful substances. It is quick in action, easy to use and a little goes a long way. Every can attractively lithographed in three colors. Full directions fro use on every can.*

LOOSE.

POWDERED LYE.



1 lb. Cans, sifting top, per pound .....A J $0.13

For painters and printers, also for making hard or soft soap; for removing old paint, varnish, grease, tar and pitch. Full directions on each can.

FOUR DOZEN IN A CASE.

BORAX.

Lump, 100 lb. bags or less, per pound .....J H $0.14

CHLORIDE OF LIME.

Or Bleaching Powder.

1 lb. Cans, sifting top, full cases, 50 in a case .....per pound A J $0.14½
Less quantity ..per pound A A .15½

For deodorizing and disinfecting purposes, purifying drains, water closets, cesspools, etc. Full directions on each can.

ROTTEN STONE.

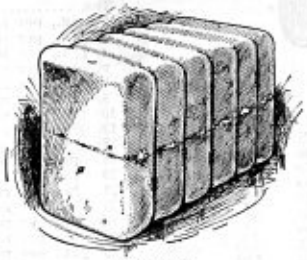
Powdered .....per pound F $0.08

Most of this article comes from England; is a very fine grit, used to finish off objects where a highly polished surface is required, usually after pumice stone has been used.

ROSIN.

Lump.....per pound J F $0.12

COTTON WASTE.



Machined.

No. XXX—White, extra grade, per pound .....A D $0.25
No. 1-W—White, good grade, per pound .....A C .21
No. 2-W—White, medium grade, per pound .....A A .19
No. 1-C—Colored, medium grade, per pound .....J G .14½

100 LBS. IN A BALE. ADVANCED LIST PRICE ON LESS QUANTITY, .02.

In 500 lb. lots ½ cent less than regular prices.

No. 11-W—White, in 1 lb. packages, per pound .....A F $0.25

REVONOC PAINT AND VARNISH CLEANER.



1 lb. Cans .....per dozen A B J $2.00

For cleaning flat and gloss painted surfaces, walls, ceilings, etc. Quickly removes smoke, soot and dirt of all kinds, being excellent for scouring kitchen utensils, crockery and glassware.

Directions.

For painted walls and ceilings, dissolve one handful of REVONOC *Paint and Varnish Cleaner in a pail of warm water. Use a scrub brush or sponge and rub surface thoroughly until dirt is dissolved, then wipe immediately with another sponge and clean water.*

On floors, window sills, bathtubs, sinks, etc., wet the surface with water, sprinkle lightly with cleaner and scrub with brush or cloth; rinse with clean water.

For kitchen utensils, crockery, glassware, etc., sprinkle cleaner on damp cloth or brush, scour, and rinse with clean water.

FOUR DOZEN IN A CASE.

STEEL WOOL.



AMERICAN, Specially Adapted for High Grade and Fine Machinery.

No. 0—For rubbing and polishing, instead of pumice stone, per pound .....D B $0.80
No. 1—Equal to No. 0 sand paper, per pound ..... C J $0.60
No. 2—Equal to Nos. ½ or 1 sand paper ..... per pound C J $0.60
No. 3—Equal to Nos. 1½ or 2 sand paper .....per pound B E $0.52

ONE POUND IN A PACKAGE.



AMERICAN Brand, for Extra Fine Work. In Small Packages Weighing About ⅛ to ⅛ Lb.

No. 0-P—For rubbing and polishing in lieu of pumice stone, per dozen packages.....J I J $1.50
No. 1-P—Equals sand paper No. 0, per dozen packages .....J I J $1.50
No. 2-P—Equals sand paper Nos. ½ and 1.....per dozen packages J I J $1.50
No. 3-P—Equals sand paper Nos. 1½ and 2, per doz. packages J I J $1.50

IDEAL GERMAN, a Popular Priced Wool for General Use.

No. 01—For rubbing and polishing instead of pumice stone, per pound .....C F $0.68
No. 11—Equal to No. 0 sand paper, per pound ..... C J $0.56
No. 21—Equal to No. ½ or No. 1 sand paper .....per pound B H $0.54
No. 31—Equal to No. 1½ and No. 2 sand paper ....per pound B D $0.40

Steel wool is a mass of fine fibres of steel, resembling curled hair, which, while sharp, do not scratch, but will cut as smoothly as the finest abrasive material heretofore use. It is the best article for rubbing off varnish, shellac, etc., for various uses, where sand paper, pumice stone and other rubbing materials are used, and doing the work quicker, saving time, labor and cost and making it easier for the workman, as he can do the work better and quicker. Being soft and pliable, steel wool adapts itself to the shape of carvings, mouldings, etc., going into places where sand paper does not get in. Will not clog up or gum up, and can be used to the last particle. It is excellent for rubbing a first coat of varnish. When using, rub with the grain. If a particularly smooth finish is desired, use a little linseed oil.

ONE POUND IN A PACKAGE.

PAINT CLEANERS AND REMOVERS, SPONGES, POLISHES, ETC.

PAINT AND VARNISH REMOVERS.



Removes paint, varnish, shellac and enamel clean to the bare wood almost instantly, contains no acid or alkalies and will positively not injure the hands or the finest veneers. Ad-el-ite is made from the finest imported material, which gives it greater solvent properties than other brands.

Adelite Liquid.

Separate Sizes.

1 gal. cans	per can	BBE	$3.80
½ gal. cans	per can	ABE	2.00
¼ gal. cans	per can	JFE	1.10
⅛ gal. cans	per can	CE	.60
⅛ gal. cans	per can	BB	.40

"Instint" Liquid.

1 gal. cans	per can	BBE	$3.80
½ gal. cans	per can	ABJ	2.00
¼ gal. cans	per can	JFE	1.10
⅛ gal. cans	per can	CE	.60

"Instint" Varnish and Paint Remover is composed of the best combination of solvents for varnish and paint known to chemistry, with the addition of a thickener which prevents the evaporation or drying down of these solvents, yet does not in any way retard their actions but adds to their solvent power. It effectively softens or dissolves the varnish or paint, and contains no acid or caustic to burn or injure the wood.

"Instint" will not raise the grain or injure the surface of the finest wood. Will not injure the hands. Contains no acid or fusil oil. Can be used on mouldings and on carvings, where it is impossible to use a torch or a scraper. A few gallons will clean a very large surface. Will not explode.

LINOLEUM LUSTRE.



No. 1—Case containing twelve 1 qt. cans, w't per case 33 lbs., per case .....JHFE $14.40

No. 2—Case containing eighteen 1 pt. cans, w't per case 30 lbs., per case .....GJJ $7.80

No. 3—Case containing assortment of eight 1 qt. cans and seven 1 pt. cans, w't per case 32 lbs., per assortment .....JHEJ $14.20

A liquid preparation made especially for linoleum and printed oil cloth. It is without a peer as a color and pattern preserver. Linoleum's most objectionable feature has been the continual unevenness of wear. By the use of Linoleum Lustre the linoleum or oil cloth will retain all its original brightness. Applied in the evening it will be dry in the morning. Hot or cold water does not affect it.

One quart of Lustre will cover 160 ***square feet.***

REVONOC COMPOUND OIL OF CEDAR.



No. 213-P—1 gal. bottles, w't per dpz. 100 lbs. .....per dozen **AHIJ** $31.50

No. 214-P—½ gal. bottles, w't per doz. 55 lbs. .....per dozen **ABFJ** $24.50

No. 215-P—¼ gal. bottles, w't per doz. 26 lbs. .....per dozen **JFCJ** $10.50

No. 216-P—⅛ gal. bottles, w't per doz. 12½ lbs. .....per dozen **CGJ** $6.20

No. 31P—8 oz. bottles, w't per doz. 12 lbs. .....per dozen **BDJ** $4.70

No. 21P—2½ oz. bottles, w't per doz. 6½ lbs. .....per dozen **ABJ** $2.00

For cleaning and polishing painted, varnished or waxed woodwork, furniture and floors and for re-oiling oil mops.

All sizes put up in glass bottles with patent self-sealing cap.

One application produces a permanent, highly polished, piano gloss finish, making the surface brighter, richer and more lustrous than ever.

REVONOC *Compound Oil of Cedar is not gummy or sticky and will not darken the woodwork.*

DIRECTIONS.

No hard rubbing or polishing required. Simply dampen a piece of cheese cloth, pour on a little REVONOC *Compound Oil of Cedar and apply to surface, wiping with a dry cloth. When treating oil mops, allow a few minutes for oil to distribute before using.*

ONE-HALF DOZEN IN A CARTON.

"WIN-HER" ASSORTMENT REVONOC COMPOUND OIL OF CEDAR.

$1.20 Free Goods. Dealers Profit 95%.

"Win-Her" Assortment consists of—

1 doz.	No.	31-P	8-oz.	25c size	$3.00
½ doz.	No.	216-P	pint	50c size	3.00
¼ doz.	No.	215-P	quart	75c size	2.25

Free.

½ doz.	No.	31-P	8-oz.	25c size	.75
¼ doz.	No.	21-P	2½-oz.	15c size	.45

Retail Value $9.45

REVONOC AUTO BODY POLISH.



For Cleaning and Polishing Automobile Bodies.

Gal.	1	¼	⅛
W't doz. cans, lbs.	93	24	12
Per doz. cans.	$31.50	10.50	6.20
	AHIJ	JFCJ	CGJ

REVONOC *Auto Body Polish is made expressly for Automobiles. The highly enameled finish on modern motor cars is deserving of care, and can be preserved indefinitely with minimum of attention. Frequent applications of* REVONOC *Auto Body Polish will waterproof the varnish on your machine and lengthen its life.*

It is absolutely free from injurious chemicals and objectionable greases, and will not injure the finest finish.

It cleans and polishes with none of the harmful after-effect so common with the ordinary polish. Imparts a mirror-like gloss or a genuine hand rubbed finish, as desired. Needs no shaking. Never separates. Full directions on every can.

LOOSE.

H. R. H. PAINT CLEANER.



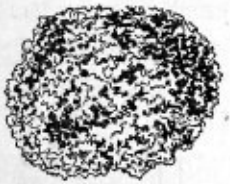
1 lb. pkgs. .....per dozen JIJ $1.50

For washing and cleaning fresco, paint, woodwork, painted walls, furniture, statuary, hardwood floors, etc. Also unequaled for cleaning bath tubs, marble and mosaic floors and linoleum. Removes the dirt and grease instantly and being devoid of grit, it cannot scratch varnished or glossy surfaces. A great saving on the hands.

ONE-HALF GROSS IN A CASE.

SPONGES, FURNITURE POLISH, FLOOR PREPARATIONS.

SPONGES.



CUBA GRASS, for General Housework.

No. 30—6 to 8 to a lb., per pound .....JIJ $1.50

No. 31—10 to 12 to a lb., per pound .....JIJ 1.50

FLORIDA YELLOW, For Painters, Janitors, Washing Woodwork, Buggies, Etc.

No. 32—6 to 8 to a lb., per pound .....BAE $3.00

SHEEPSWOOL SPONGES.

Best Cuba Velvet Sheepswool, Pure, Free from Grit and Foreign Substances, for Washing Buggies, Calcimine and General Painters' Use.

No. 20—6 to 8 to a lb., per pound .....CIJ $6.50

No. 21—10 to 12 to a lb., per pound .....CIJ 6.50

Cuba.

No. 14—4 to 6 to a lb., per pound .....DHJ $8.00

For painters' and calciminers' use. All first quality sponges, free from grit and foreign substances.

DUSTLESS FLOOR OIL.



Keeps Down the Dust.

	Per Gallon.
5 Gal. Cans, w't 40 lbs.....JGJ	$1.20
1 Gal. Cans, w't 8 lbs.....JHJ	1.30
½ Gal. Cans, w't 4 lbs.....AJJ	1.50
1 Qt. Cans, w't 2 lbs.....ABJ	2.00

This is a thin coating to apply to office store and public hall floors. Keeps down the dust and protects the floor. It is easily applied and is coming into general use. In sweeping, the dust does not leave the floor, but rolls up and brushes easily along. One gallon will cover 200 to 300 square feet, according to the nature of the wood and surface.

SWEEPING COMPOUNDS IN STEEL CONTAINERS.



Perolin.

No. 28—100 lb. drums only, each .....DEJ $7.50

Granolin.

No. 26—100 lb. drums only, per hundred pounds .....BAJ $3.50

Perolin and Granolin put up in 28 gauge steel containers. Fireproof and moisture proof.

Granolin is similar to Perolin, Perolin grit is slag and granolin grit is sand. Both are antiseptic, leave a pleasant fragrance and are efficient "dust downs" and help to preserve the new, neat appearance of hardware stock on shelves.

Steel can may be used as a garbage can, ash can or waste paper receptacle when empty. Worth five times its cost.

GRANOLIN SWEEPING COMPOUND.

No. 27—Wooden drums, each AHJ $3.00

PEROLIN SWEEPING COMPOUND.

100, 200 and 250 lb. Wooden Drums, for general use....per 100 lbs. DBJ $7.00

50 lb. Drums....per 100 lbs. DEJ 7.50

25 lb. Drums....per 100 lbs. DHJ 8.00

10 cent Canisters, containing 1¼ lbs., for general use, 2 doz. in a case, per dozen .....JIJ $1.20

25 cent Canisters, containing 5 lbs., for general use, 1 doz. in a case, per dozen .....BDJ $3.00

Perolin is the original German disinfectant and dustless sweeping powder. It is a dust absorbent that absorbs dust. It scours and polishes floors to such an extent that after several weeks of continuous use, frequent scrubbing can be dispensed with. It cleans and preserves carpets and rugs. It disinfects and purifies the air. Perolin will prove invaluable in any store where goods are displayed on the counters or any place where settling dust causes damage. Saves merchandise for the storekeeper and saves work for the housewife.

FURNITURE POLISH.



No. 103.

Removes the Dirt, Gives Life to Varnish, Brings Back the Polish.

No. 103 —2½ oz. bottles, one dozen in a counter display box, w't per doz. 9 lbs.....per dozen ABJ $2.00

No. 108 —8 oz. bottles, one dozen in a box with counter display, w't per doz. 20 lbs., per dozen .....BDJ $4.00

No. 115 —¼ gal. cans, w't per doz. 36 lbs.....per doz. EGE $9.60

No. 120 —½ gal. cans, w't per doz. 50 lbs...per dozen AJHJ $18.00

No. 125 —1 gal. cans, w't per doz. 96 lbs....per dozen BAFJ $36.00

Furniture Polish is scientifically blended and will not separate, never has to be shaken, the last of the bottle is as good as the first, contains no acids or other harmful ingredients, does not dissolve or injure the varnish, but cleans and brightens it, scratches on furniture, woodwork and floors are rendered invisible and fade away by the smoothing action of the polish, is adapted for all kinds of furniture and because of its purity from injurious materials, is especially good for the finest woodwork, such as pianos, automobiles and carriages. It is absolutely "foolproof." Invaluable for dusting, the best preparation for daily use, dampen a soft cloth with the polish, rub over the surface of the woodwork imparting a polish, absorbing the dust so it will not settle again as is the case with feather dusters or dry cloths which fill the air with countless germs.

LIQUID VENEER, DUST CLOTHS AND DISINFECTANTS.

LIQUID VENEER.



Liquid Veneer is not a varnish and no brush is needed to apply it, nothing but a piece of cheese cloth. There is no drying to wait for, and it leaves no gum or stickiness, removes all scratches, stains, dirt and dullness, imparts a beautiful gloss and acts as a perfect disinfectant, cleansing and purifying everything it touches. Equally well adapted to all grades of furniture.

No. 13—1 gal. cans, per dozen .....CJBE $37.10
No. 14—½ gal. cans, per dozen .....AHJJ $21.60
No. 15—1 qt. bottles, per dozen .....AJAJ 12.60
No. 1—12 oz. bottles, 50c size, per dozen .....DHJ 6.00
No. 2—4 oz. bottles, 25c size, per dozen .....BDJ 3.00

"Dandy Deal" Assortment, consisting of—

	Per Dozen.	Retail Value.
3 doz. 4 oz., 25c size....	$3.00	$9.00
2 doz. 12 oz., 50c size...	6.00	12.00
½ doz. 4 oz., 25c size....	3.00	1.50

Per assortment .....AFHJ $22.50

Notice: No quarts in this assortment; all small bottles.

Free Goods with "Dandy Deal" Assortment.

1 "Cheer Up" window sign, 2 Sticker window signs, 1 Transparency sign, ½ doz. 4 oz. bottles.

"Little Giant Deal" Assortment, consisting of—

	Per Dozen.	Retail Value.
½ doz. 12 oz., 50c size..	$6.00	$3.00
1½ doz. 4 oz., 25c size...	3.00	4.50
1-6 doz. 4 oz., 25c size..	3.00	.50

Per assortment .....FJJ $8.00

Free Goods with "Little Giant Deal" Assortment.

½ doz. small samples Liquid Veneer, 1-6 doz. 4 oz. 25c size and advertising signs.

"Cracker Jack Deal," consisting of 7 doz. bottles of Liquid Veneer, and one doz. 4 oz. bottles free, assorted as follows—

	Per Dozen.	Retail Value.
5 doz. 12 oz., 50c size.....	$6.00	$30.00
2 doz. 4 oz., 25c size.....	3.00	6.00
1 doz. 4 oz., 25c size.....	Free	3.00

Per assortment.....BHHJ $39.00

ONE ASSORTMENT IN A CASE, INCLUDING FREE GOODS AND ADVERTISING MATTER.

These assortments cannot be changed in any way.

DUST CLOTHS.



Treated with Liquid Veneer.

No. 25-L-V—Made of "Crepette," a new, fluffy, long-wearing material, w't per doz. 3 lbs. .....per dozen BCJ $3.00

This dust cloth absorbs dust and dirt like a sponge and may be used a long time before washing becomes necessary.

As it cleans, it polishes and beautifies your fine furniture and wood work. When soiled, it is easily washed clean and re-treated with Liquid Veneer.

ONE DOZEN IN A CARDBOARD CARTON.

CARBOLACENE.

A Liquid Cleanser Disinfectant. Cleans and Purifies in One Operation.

No. 44—Barrels only, 40 gal., per gallon .....ABJ $2.00

Carbolacene is safe and rapid in action; does away with soaps and disinfectants; removes dirt immediately! Effectually prevents disease! Will not injure the skin. Mixes at once with water. Endorsed by world renowned chemists.

For cleaning and purifying floors, furniture, paint work, clothes, removing grease and dirt from carpets, blankets, etc., and for all metal work. Also for stables, kennels, ships decks, state rooms, deck houses, galleys and engine rooms.

Use one cupfull of Carbolacene in a bucket of water and apply with cloth, flannel or scrub brush.

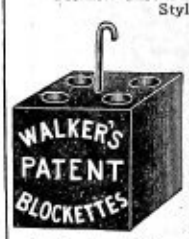
For sinks, drains, lavatories, bilges, tanks, etc., used one-half cupful in a bucket of water.

A cupful of Carbolacene poured into the bath is most invigorating and refreshing.

Carbolacene has proved "A Universal Safeguard" wherever used.

WALKER'S "BLOCKETTES.

Patent Perforated Disinfecting Blocks For Homes, Public Buildings and Private Institutions. In Four Styles.



Styles A and C



Style B.



Style D.

A—Fragrant—For use in rooms and all places where a fragrant, sanitized and pure atmosphere is desired. They evaporate slowly and give off an active and delightfully pleasing vapor, can be suspended in any convenient position and will last about twelve months, w't per doz. 10 lbs., per dozen.....AJHJ $18.00

C—W. C.—For Cisterns—Suspend in cistern by hooking block over the side—see that it is clear of the ball—the blockette, dissolves and gives off an amount of active poisonous disinfectant, which on each flush passes into the basin and thence to the drain prevents bad odors and the many diseases arising therefrom, will last about twelve months, w't per doz. 10 lbs.....per dozen AJHJ $18.00

B—Fragrant—In protective cages—similar in size and composition to Style A but are protected in a wire cage and can be securely fastened by screwing against the wall, especially adapted for use in theatres, hotels, steamships and all public conveyances and institutions, w't per doz. 10 lbs., per dozen .....AJHJ $18.00

D—Lavatory—Specially prepared for use in urinals, a pleasant deodorant and disinfectant, keeping the surrounding air pure and sweet, will last about six months, w't per doz. 10 lbs., per dozen .....DEJ $7.50

ONE-HALF DOZEN IN A CARTON.

AGRICULTURAL GERMICIDES AND INSECTICIDES.

PARIS GREEN.



Poisonous, insoluble and indispensable on the farm or garden for killing potato bugs, codling moth worms, caterpillars, slugs, cotton worms and chewing insects. Applied, one pound to 50 gals. water. For spraying apple, peach and tender foliage, one pound to 100 gals. of water.

Paris Green applied dry, one part paris green to ten of plaster or flour.

Pure.

250 lb. Kegs .....per pound Mkt.
100 lb. Kegs .....per pound Mkt.
14, 28 or 56 lb. Kits.....per pound Mkt.
5, 2, 1, ½ or ¼ lb. Packages, per pound .....Mkt.
5, 2, 1, ½ AND ¼ LB. PACKAGES, 100 LBS. IN A CASE. WE DO NOT BREAK CASES.

SOUTHERN PINE TAR.



Seal Top. Cork Lined Screw Cap.

Strictly Pure.

Seal Top Cans.

Nos.	10-P	20-P	30-P
Capacity, pts.	½	1	2
W't per doz., lbs.	9	12	25
Per dozen	$1.00	1.30	2.30
	JGJ	JIE	AEJ
Nos.		**40-P**	**50-P**
Capacity, gal.		½	1
W't per doz., lbs.		50	100
Per dozen		$4.50	7.00
		CJJ	DHJ

Cork Lined, Screw Cap Cans.

Nos.	010-P	020-P	030-P
Capacity, pts.	½	1	2
W't per doz., lbs.	9	12	25
Per dozen	$1.15	1.50	2.50
	JIJ	ABJ	AHJ

How Pine Tar is Used.

Horse Shoers use pine tar for packing, healing and growing the hoof.

Soap manufacturers use our pine tar for making pine tar soap and pine tar shampoo.

Farmers use our pine tar for husking, sheep dip, and to heal sores on cattle and horses, and as a preventative for Buffalo Gnats on live stock.

Prevent sheeps' noses from freezing.

Nursery men use our pine tar to grow bark on trees. Painting the stems with pine tar will keep insects off the trees, prevents loss of sap from cuts.

Mines and mills use pine tar as a lubricant for heavy machinery, wire ropes, elevators, etc.

Tanners are using our pine tar for technical purposes.

Ship chandlers and rope makers use pine tar very extensively in waterproofing ropes, twines, nettings, etc.

BUG DEATH.



Pat. March 16 and Nov. 9, 1897. Pat. in Canada Nov. 2, 1897 and Jan. 23, 1900.

1 lb. Packages, per dozen packages .....ADE $1.80
3 lb. Packages, per dozen packages .....CHJ 6.00
5 lb. Packages, per dozen packages .....EDJ 9.00
12½ lb. Packages, per dozen packages .....AAAJ 18.00
100 lb. Packages, per package .....JGBJ 11.20

Bug Death is non-poisonous and perfectly safe to use on all garden growing crops. It prevents the blight, thereby greatly increasing the yield.

It is a plant food which aids greatly in growing vigorous, hardy and productive plants.

Paris Green kills bugs and injures plants. Bug Death kills bugs and feeds the plants.

1 LB. PACKED 24 IN A CASE; 3 LB., 12; 5 LB., 6; 12½ LB., 4; 100 LBS. SHIPPED IN A KEG.



Acre-An-Hour Sifter, per dozen .....JEDJ $12.00

For applying "Bug Death," accomplishes three times as much work as ordinary sifter.



Dickey Duster, for applying Bug Death in dry form ....per dozen BGJ $4.80
ONE DOZEN IN A PACKAGE.

★*FOR FACTORY SHIPMENT ONLY.*

ARSENATE OF LEAD.



Directions for Paste—Stir the paste in the can or keg thoroughly, then take out the amount required, put in a bucket and add a little water, mixing the Arsenate of Lead until it makes a very thin, even liquid. Then fill the bucket with water, stir again and pour into spray tank just before starting to spray. Remains in suspension in keg indefinitely.

Powdered Form—Highly satisfactory in controlling the army worm and kindred insects which are very destructive to the cotton.

Paste Form.

600 lb. barrels	per lb.	★ AJ	$0.16
300 lb. ½ barrels	per lb.	★ AJ	.17
100 lb. kegs	per lb.	★ AA	.18
50 lb. kegs	per lb.	★ AA	.19
25 lb. kegs	per lb.	★ AB	.20
12½ lb. kegs	per lb.	★ AB	.21
5 lb. glass jars	per lb.	★ AC	.23
2 lb. glass jars	per lb.	★ AG	.28
1 lb. glass jars	per lb.	★ AH	.31

5 lb. jars—60 lbs. in a case.
2 lb. jars—48 lbs. in a case.
1 lb. jars—24 lbs. in a case.

Powdered Form.

400 lb. barrels	per lb.	★ BJ	$0.34
200 lb. ½ barrels	per lb.	★ BA	.35
100 lb. kits	per lb.	★ BB	.36
50 lb. kits	per lb.	★ BC	.38
25 lb. kits	per lb.	★ BC	.39
12½ lb. kits	per lb.	★ BD	.40
5 lb. cartons	per lb.	★ BE	.43
2 lb. cartons	per lb.	★ BI	.49
1 lb. cartons	per lb.	★ CJ	.51
½ lb. cartons	per lb.	★ CB	.54
¼ lb. cartons	per lb.	★ CD	.60

5, 2, 1 AND ¼ CARTONS; 100 LBS. IN A CASE.

LIME SULPHUR SOLUTION.



50 gallon barrels	per gal.	★ BC	$0.38
25 gallon ½ bbls.	per gal.	★ BE	.42
10 gallon cans	per gal.	★ CG	.62
5 gallon cans	per gal.	★ DD	.74
1 gallon cans	per gal.	★ FJ	1.00

A clear cherry red solution free from sediment; will not clog the nozzles. Mixes readily with water and remains in solution.

TWELVE ONE GALLON CANS IN A CASE.

PAINT BRUSH FACTS.

Selected from answers to questions our customers are constantly asking us.

ORIGIN OF BRUSH MATERIALS.

Bristles—

Hogs—European or Asiatic.

Black Bristle—China.

Gray, Yellow and White Bristle—Russia, Germany and France.

Hair—

Badger—Russia, Germany.

"Camel Hair"—Squirrel of Germany or Russia.

Fitch Hair—Common Skunk.

Ox Hair, comparatively scarce—Siberian Ox.

Sable Hair—Red and Black Sable of Russia.

Americans sometimes wonder why Petrograd, Russia, should be the leading bristle market of the world. This, by the way, is not only the biggest, but the safest market as all bristle there are packed under government inspection. The fact is, only the bristle that grows along the spine of the hog is stiff enough for paint brushes, and it seems to require the severe cold and exposure of the Russian plains or "steppes" to develop this "character" in bristles. American hogs are "fed up" too fast to develop stiff paint brush bristle.

The higher grade white varnish brushes are made of refined selected French bristle. But the bulk of our bristle is the black, from China.

It is said that in all, over 2,500,000 pounds of bristle are imported every year.

HOW BRUSHES ARE MADE.

Bristle gathering by peasants from slaughter houses. Trading through peddlars and dealers to factories. Washing, bleaching, combing, sorting, as to color, length and stiffness, bunching, setting, binding, nailing to block and handle. Final cleaning of finished brush by power combs, revolving alternately in opposite directions—ferrule polishing, handle finishing.

The average person can scarcely appreciate the long practice, close application, and infinite care required of the successful brush artisan. And the rapid and varied recent development of the industry has divided the modern brush factory into many distinct and highly specialized departments.

WHAT TO LOOK FOR—JUDGING BRUSH QUALITY.

Quality of Stock—

Is it bristle, horse hair or tampico—vegetable fibre.

If bristle, is it coarse, or fine, stiff or characterless.

Bristle is plainly distinguished from horse hair by its—

Stiffness.

Flagged or split ends—a bristle brush is soft to the touch while a horse hair brush is rough with hard ends.

Tapered sides—butt to the flag.

Barbed sides, like barley beard. Rubbed between fingers, a bristle works in only one direction—butt to flag.

Bristle is plainly distinguished from Tampico by sizzling like wool in fire, while Tampico flames.

Length of Free Bristle—

Insert knife blade among bristles to see how far "setting" runs down.

Workmanship—

Bristle Setting.
Straight or biased.

Even edged or rough.

Clean or with "setting" material smeared among bristle near ferrule.

Ferrule fitting and nailing, handle finish, letter stamping.

A little attention to these points soon fixes them in the mind so that they become "second nature." The use of brushes is growing so fast that every dealer in hardware will find it to his gain to feel some familiarity with the points that go to make up a good brush.

SUGGESTIONS THAT SAVE BRUSH TROUBLES.

To swell head of new oval varnish brush—Don't rest brush or bristles in water. Bristles get twisted and moppy. Invert, dipping only the ferrule and handle, or separate bristles and pour tablespoonful of water down onto handle, keeping brush inverted until water is absorbed.

A "glue set" Varnish brush is intended for use in Shellac or Varnish only, and must not be put in water.

Shellac brushes if in use every day should be suspended in shellac over night. If used only occasionally, they should be thoroughly cleaned in alcohol before putting away.

Varnish brushes when not in use will keep best if suspended in oil thinned with turpentine.

Lettering and Striping Pencils should have the color thoroughly cleaned out of them and should be pointed in oil before putting away.

Keep brushes in cool, moderately damp place, near floor. Never stand brushes on bristle end.

To remove the few loose short bristles occurring in even the best brushes, dip in paint, and draw across rough, unplaned board.

Brushes hardened through neglect or lack of use should be soaked a few hours in a paint and varnish remover, then cleaned with benzine or turpentine. Soak brushes only. Don't wet above ferrule.

A "cement set" Flat Varnish brush is intended for use in Paint, Paste, Varnish or Water Color, but should never be used in Shellac or Alcohol.

Never put brushes in slaked lime, acid or tar.

Never attempt to strike a nail from path of painting with a brush. It loosens bristle.

BE SURE YOU UNDERSTAND [illegible] BRUSH CONSTRUCTION.

PAINT BRUSH STAPLES AND SPECIALTIES NO HARDWARE STOCK SHOULD LACK.

POSTIVE GUARANTEE OF QUALITY.

Any defect in material or workmanship, that appears while a brush is used in proper liquid will, upon return of the brush, be gladly made good from new and perfect stock. Consult freely "Suggestions that save Brush Troubles," and "What Brush to Use."

STAPLES.

Wall—18 and 22 REVNOC indestructible, popular priced, 340, 341, 356. Popular value range in regular style "blacks." 80 Il-a-noy, new style "pressure set."

Varnish—62-72 REVNOC indestructible. 480, 510, 540, 515 staple grades.

Whitewash—681, long white pure bristle. Unusually good whitewash value. 650, medium grade, good, pure bristle stock, very catchy.

Kalsomine—595, white bristle casing, poular.

Sash Tool—420, pure stiff black bristle, or 417, "cutter," flat chiseled, pure selected black stiff bristle, also for sign writers' use. A master workman's tool.

CARDS.

Displayed so folks can see them. Sell themselves.

4200—Pressure grip, for universal use, like REVNOC, only pressure from without, nickeled ferrule swaged above to catch the block, below to catch the bristle. Same catchy locks and fine balance as in REVNOC.

4000—Catchy, nickel plated steel ferrule.

4100 REVNOC—35 cent sellers, indestructible.

4564—For fine enameling.

8644—"School-boy Artist," assortment.

"ONE IN A BOX."

NEAT PACKAGE, ATTRACTIVE VALUES.

20 REVNOC	retails	$1.35
No. 301—White City, cement set	retails	1.50
No. 25—Flat Wall Winner cement set	retails	1.35
3 Il-a-noy, cement set	retails	1.50
0 Il-a-noy, cement set	retails	.50
No. 41 Cruso Wall	retails	.65
No. 21—Cruso Varnish Set in rubber	retails	.35

FOR THE PAINTER'S BRUSH OUTFIT.

One full bodied Wall Brush, 3½ in. to 4½ in., for each color being used.

One full bodied 2 in. Varnish Brush for trimming.

One chiseled Flat "Cutter," 1 or 1½ in., or chiseled oval Sash Tool for moulding and narrow places.

One chiseled Flat Varnish Brush for sash or blind colors, etc.

One Duster, a Putty Knife and a scraping knife

The painter will find this outfit sufficient for ordinary contracts. For special requirements, note carefully the specialties on the following pages.

WHAT BRUSH TO USE IN—

Shellac or Lacquer—REVNOC or Il-a-noy "pressure" brush, or Rubberset. No cement-set brushes, as the alcohol of shellac cuts the cement.

Spirit Stains, Paste or Water—REVNOC or "Il-a-noy pressure-set brush, no glue-set. Spirit stains dissolve set-in-glue brushes.

Enamels and Heavy Varnishes—For floor, automobile body, carriage, etc.—Nos. 75 and 85 REVNOC enamel, 72 and 83 REVNOC varnish, 521 auto varnish, and 520 flat varnish.

BRUSH ECONOMY.

Master Painters and occasional users, as practical men, will appreciate the suggestion that the best brush they can get is the cheapest in the end. They know a dollar brush won't give near the satisfaction and service a $2.00 brush will. And they don't expect it any more than they expect "five-dollar wear" from a "two-and-a-half dollar" shoe.

It costs just about as much to make a brush, whether poor bristles or durable bristles are used. Hence the **economy of good brushes.**

We take some pride, and fairly, we think, in the variety and values in paint brushes which our quantity business enables us to offer. The line represents the best work of America and Europe. The stock is kept accessible to you for convenient shipment, in such quantities as you need, with your other hardware, or separately, by mail.

And we invite your orders—by mail or salesman—the more heartily, because our brushes make friends for us.

NOTE INDESTRUCTIBLE REVNOC BRUSH CONSTRUCTION.

REVONOC PAINT BRUSHES.

INDESTRUCTIBLE—TACKLESS.

Clever Principle of mechanics applied to paint brush making.

Most Ingenious practical brush construction ever invented

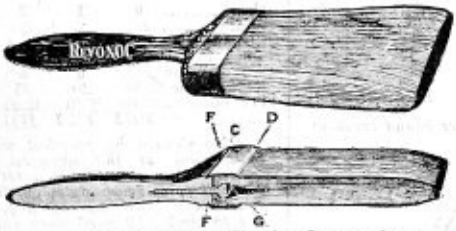
Absolutely Pure, durable bristle.

Bull-Dog "Pressure" Grip—No glue, no cement. Can't come apart in any liquid. No clogging to reduce effective bristle length. Slip knife into common brush. Compare.

Wedge Shaped Aluminum Plug—Driven in under **two ton pressure.** Holds bristles firm, even when used in heaviest varnish or enamels.

Very Attractive Appearance—Cherry finish handle, narrow nickeled steel ferrule.

Scientifically Balanced—Short block, better leverage, hand gets closer to bristle.



Section of Brush Showing Construction.

C. & D. Nickeled Steel Ferrule, beveled under pressure after plug has been driven, and dove tailed into—

F—Beaver-tail, cherry finish, hardwood handle.

G—"T" or wedge-shaped corrugated aluminum plug.

REVONOC Brushes work perfectly in paint, varnish, shellac, or hot glue. Neatest and easiest to keep clean. Strongest metal-bound brushes made.

Wear close without becoming stiff.

Will not finger, swallow-tail, dry out or come apart.

SPECIAL WALL BRUSHES.



No. 20P REVONOC—Extra long, warranted all pure black Chinese bristles, very full and heavy, nickel plated ferrule, red polished beaver tail handle, width 4 in., length of bristles 3¾ in., w't per doz. 8⅞ lbs. .....per dozen **AAHJ** $18.00

This brush represents the best value for the money obtainable and is put out for the express purpose of giving the dealer selling REVONOC brushes a leader in a wall paint brush.

ONE IN A BOX; ONE-HALF DOZEN IN A CARTON.

Long, Selected BLACK CHINESE BRISTLES, Nickel Ferrule, Red Polished Beaver Tail Handle.

No. 18 REVONOC— Width, in..	3	3½	4	4½	5	5½
Length bristles, in.	3	3¼	3½	3¾	3¾	3¾
W't, doz., lbs.	4⅝	5⅞	6¾	7¾	9⅛	10¼
Per dozen ...	$9.50	13.20	16.00	19.80	31.50	35.50
	GBJ	JIFJ	AAGJ	AEBJ	AHJJ	AIHJ

ONE-HALF DOZEN IN A BOX.

STAPLE WALL BRUSHES.



Extra Long, Selected WHITE "RUSSIA" BRISTLES, Nickel Ferrule, Red Polished Beaver Tail Handle.

No. 32 REVONOC—Width, in.	3½	4
Length bristles, in.	4¼	4¼
W't per doz., lbs.	6½	7⅜
Per dozen	$28.00	32.00
	BJDJ	BBHJ

Extra Long, Selected BLACK CHINESE BRISTLES, Very Full and Heavy, Nickel Ferrule, Red Polished Handle.

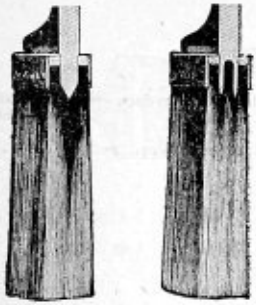
No. 42 REVONOC—Width, in.	3½	4
Length bristles, in.	4½	4¼
Wt per doz., lbs.	7	8¼
Per dozen	$28.00	32.00
	BAJJ	BFGJ

No. 22 REVONOC—Width, in.	3½	4
Length bristles, in.	3¼	4
W't per doz., lbs.	6¼	7
Per dozen	$16.80	24.60
	ABJJ	AFBJ

ONE-HALF DOZEN IN A BOX.

STUCCO AND "ONE-IN-A-BOX" WALL PAINT BRUSHES.

STUCCO PAINT BRUSHES.



Old Style Open Center. No. 366 New Style Solid Center.

Countess stucco brush construction.

They have more elasticity and break in easier.

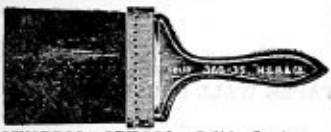
They hold more paint and spread it more evenly.

They will wear up closer and wear longer.

They will not "swallow tail."

They will not come apart.

They are absolutely first-class in every respect and are fully warranted.



COUNTESS STUCCO, Solid Center, Leather Bound, Triple Row All Long Selected BLACK CHINESE BRISTLES, Malachite Varnished Beaver Tail Handle.

No. 366—Sizes.	30	35	40
Width	3½	4	4½
Length bristles, in.	5	5¼	5⅜
W't, doz. lbs..	6¼	7¼	8½
Per dozen	$22.40	26.80	30.00
	AEEJ	BJIJ	BFDJ



Set in Rubber; Seamless Nickel Plated Steel Band Ferrule Stucco. Pure Long Select Black Chinese Bristle, Red Varnished Handle, Brown Stripe.

No. 395—Sizes.	30	35	40
Width	3½	4	4½
Length, bristles, in.	4⅜	4⅝	4⅞
W't, doz. lbs..	6¼	7½	9
Per dozen	$24.00	32.60	42.00
	ADDJ	BBHJ	BDCJ

HALF DOZEN IN A BOX.

STUCCO PAINT BRUSHES.



"GEM," Selected Black Chinese Bristles, Leather Bound, Rosewood Finish Varnished Handle, Black Stripes.

No. 369P—Sizes	25	30	35
Width, in.	3	3½	4
Lgth bristles, in.	3¼	4	4¼
W't, doz,. lbs..	4	5	6
Per dozen	$8.00	9.00	14.40
	FIJ	HHJ	ABJJ

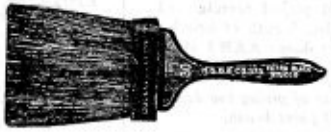
An all bristle, leather bound brush at a popular price.



BLACK STUCCO, Select Chinese Bristles, Leather Bound, Natural Varnished Handle, Bright Red Stripe.

No. 370—Sizes.....	25	30
Width	3	3½
Length bristles, in.....	4½	4⅜
W't per doz., lbs.	4⅞	5½
Per dozen	$11.00	15.00
	JHBJ	AJ J

No. 370—Sizes.....	35	40
Width	4	4½
Length bristles, in.	5	5⅛
W't per doz., lbs.	6¾	7¾
Per dozen	$19.40	23.50
	ACHE	AFEJ

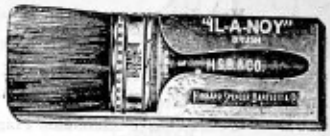


EXTRA BLACK STUCCO, Best Selected Chinese Bristles, Very Fine and Elastic, Leather Bound, Rosewood Finish Varnished Handle.

No. 375—Sizes.	30	40	45
Width	3½	4	4½
Length, bristles, in.	5	5¼	5⅝
W't, doz. lbs..	6	6¾	8
Per dozen	$23.80	26.50	29.60
	AEIJ	BFCJ	B JJ

HALF DOZEN IN A BOX.

"ONE IN A BOX" PAINT BRUSHES.



IL-A-NOY WALL BRUSHES, Best Quality Black Chinese Bristles, Extra Wide, Nickel Ferrules, Transparent Yellow Varnished Handle.

Nos.	0	1	2	3
Width	3½	4	3½	4
Length bristles, in. ...	3	3¼	3½	4
W't, doz. lbs.	5½	6	6	7
Retail value.	$0.50	.50	.75	1.00
Per dozen ..	$7.00	9.50	12.00	19.00
	DHJ	FCJ	JIJJ	ADJJ

Acknowledged by practical workmen to be one of the strongest, handsomest and most desirable metal bound flat wall paint brush styles on the market. Every brush warranted to stand and to work well until worn out.

WHITE CITY WALL BRUSHES.

Extra Wide, Block, Nickel, Ferrules, Yellow Varnished Handle.

Nos.	100	101	201	301
Width, in. ..	3¼	4	3½	4
Length, bristles, in. ...	3	3¼	3½	4
W't, doz. lbs.	5½	6½	6	8
Retail value.	$0.50	.50	.75	1.00
Per dozen ..	$7.00	9.50	12.00	18.00
	EDJ	GGJ	JHGE	ACJJ

Extra full body, an excellent value in a handy brush for general all around work.

No. 25—Winner, long black Chinese bristles, nickel plated ferrule, polished yellow handle, width 4 in., length 4½ in., w't per doz 8 lbs., per dozen ..... ABJ J $15.00

ONE IN INDIVIDUAL BOX; SIX IN A PACKET.

CRUSO WALL AND VARNISH.



Black Chinese Bristles, Nickel Ferrule, Brown Varnished Handle.

Bristles Set In Rubber.

No. 41—Cruso, Wall, width 4 in., length 3¼ in., w't per doz. 7 lbs., per dozen ..... FJJ $8.40

No. 21—Cruso, Varnish, width 2 in., length 2⅛ in., w't per doz. 2¼ lbs., per dozen ..... BGJ $4.00

ONE IN INDIVIDUAL BOX; SIX NO. 41 IN A PACKET; TWELVE NO. 21 IN A PACKET.

WALL BRUSHES AND PAINTERS' DUSTERS.

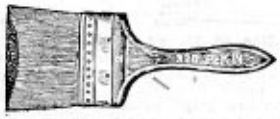
WALL BRUSHES.



DANDY, All White Stock, Lacquered Tin Ferrule, Natural Varnished Handle.

No. 310—Width, In.	2½	3	3½
Length bristles, in.	1¾	2¼	2⅝
W't per doz., lbs....	2½	3	4
Per dozen $2.00	2.50	3.50	
	AEE	BJE	BGJ

No. 310—Width 4 in., length of bristles 3 in., w't per doz. 4¾ lbs., per dozen .....CBJ $4.50



PEKIN, Black Chinese Bristles, Tin Ferrule, Natural Varnished Handle.

No. 320—Width, in.	2½	3	3½
Length bristles, in.	2	2½	2⅝
W't per doz., lbs...	2¾	3	4
Per dozen $2.28	2.70	3.50	
	AEJ	BJJ	BFJ

No. 320—Width 4 in,, length of bristles 2⅝ in., w't per doz. 4¾ lbs., per dozen .....CFJ $4.40



BUD, Black Chinese Bristles, Tin Ferrule, Rosewood Finish, Varnished Handle.

No. 325—Width, in.	2¼	3	3½
Length bristles, in.	2¼	2⅝	2⅞
W't per doz., lbs...	2½	3¼	4
Per dozen $2.80	3.30	4.30	
	BAJ	BFJ	CDJ

No. 325—Width, in.....	4	4½
Length bristles, in.....	2¾	3
W't per doz., lbs.....	5	5½
Per dozen $5.50	7.80	
	DEE	EFJ

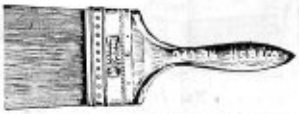


GEM, All White Bristles, Tin Ferrule, Rosewood Finish, Varnished Handle.

No. 330—Width, in.	3	3½	4
Length bristles, in.	2¼	3	3¼
W't per doz., lbs. ..	3¼	4½	5
Per dozen $6.50	7.90	9.70	
	DDE	EDJ	FFJ

ONE-HALF DOZEN IN A BOX.

WALL BRUSHES.



BLACK SUPER, Warranted All Black Chinese Bristles, Nickel Plated Ferrule, Rosewood Finish Handle.

No. 340—Width, in.	3	3½	4
Length bristles, in.	2¾	3	3¼
W't per doz., lbs...	4	4¾	5¾
Per dozen $4.20	5.80	8.00	
	CDJ	DHJ	FIJ

No. 340—Width 4½ in., length bristles 3¼ in., w't per doz. 6½ lbs., per dozen .....JHAJ $11.00

EXTRA BLACK SUPER, Warranted All Long Black Chinese Bristles Nickel Plated Ferrule, Rosewood Finish Varnished Handle.

No. 341—Width, in.	3½	4	4½
Length bristles, in.	3¼	4	4
W't per doz., lbs. ..	6	6½	8
Per dozen $12.60	16.80	21.00	
	JIFJ	ABGJ	AFBJ



O. K., Best White Russian Bristles, Brass Ferrules, Natural, Varnished Handle.

No. 355—Width, in.	3	3½	4
Length bristles, in.	3	3¼	3½
W't per doz., lbs...	4½	5¼	6¼
Per dozen $9.60	12.70	15.16	
	GAJ	JIDJ	ABJJ

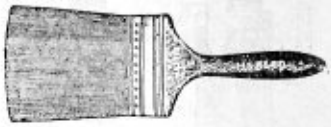


BLACK NERO, Best Selected Black Chinese Bristles, Nickel Plated Ferrule, Transparent Yellow Varnished Handle.

No. 356—Width, in.	3½	4	4½
Length bristles, in.	4½	4½	4½
W't per doz., lbs...	6½	7¼	8½
Per dozen $23.30	25.70	28.00	
	BAFJ	BBHJ	BDJJ

ONE-HALF DOZEN IN A BOX.

WALL BRUSHES.



BLACK MASTER PAINTER, Best Selected Black Chinese Bristles, Full Stock, Nickel Ferrule, Rosewood Finish, Beaver Tailed Handle.

No. 357—Width, in.....	3½	4
Length bristles, in.	4½	4½
W't per doz., lbs.	6½	8
Per doze n.....	$25.08	31.50
	AGFJ	BAIJ



No. 345—Il-a-noy, width 4 in., 4 in. pure black chinese bristles, set in rubber, red finished beaver tail handle, w't per doz. 7½ lbs., per doz. **AAGJ** $19.50

ONE IN A CARTON; TWELVE CARTONS IN A PASTEBOARD BOX.

PAINTERS' DUSTERS.



No. 588—3¾ in. black bristles outside, gray center, 4½ in. wide, 1¼ in. thick, red varnished handle, w't per doz. 5 lbs. .....per dozen **JHAJ** $11.60

ONE-HALF DOZEN IN A BOX.

DUSTERS AND SPECIAL VARNISH BRUSHES.

PAINTERS' DUSTERS



No. 582—4⅛ in. fine soft white bristles, round red polished handle, made especially for coach and carriage painters, w't per doz. 4¼ lbs., per dozen .....ABDJ $18.00

ONE IN A BOX.



Steel.

No. 179—2½x1¼ in. block, 6 rows 2½ in. fine wire bristles, 5 in. handle, w't per dozen 4 lbs.,

per dozen .....BDJ $4.00

For cleaning around cornices and in places that cannot be reached with other styles of wire scratch brushes.

ONE DOZEN IN A BOX.



No. 580—3⅝ in. bristles, black outside, gray center, polished round handle, w't per doz. 4½ lbs., per dozen .....EEJ $7.20

HALF DOZEN IN A BOX.



No. 581—4⅛ in. bristles, black outside, gray center, polished round red handle, w't per doz. 4½ lbs., per dozen .....JHGJ $11.70

HALF DOZEN IN A BOX.

EXTRA HEAVY VARNISH.



No. 72 REVONOC

Elastic Chisel Bristle Paint, Varnish or Trim, Triple Thick, Long Selected Black Chinese Bristles, Nickel Ferrule, Red Polished Beaver-Tail Handle.

No. 72 REVONOC—Width..	2½	3 in.
Length bristles	3	3⅛ in.
W't per doz.....	4	5 lbs.
Per dozen.....	$16.00	20.00
	JIFJ	ABJJ

Chisel Bristle Flowing, Best Lily White French Bristles, Triple Thick, Nickel Ferrule, Red Polished Beaver-Tail Handle.

No. 83 REVONOC—Width..	2	2½ in.
Length bristles	2½	2¾ in.
W't per dozen.....	3	4 lbs.
Per dozen.....	$13.00	16.00
	JHGJ	AJHJ

Extra Selected Special Heavy Enamel Chisel Bristles, Triple Triple Thick, Nickel Ferrules, Red Polished Beaver-Tail Handles.

No. 75 REVONOC—Width..	3½	4 in.
Length bristles.....	3⅝	3⅝ in.
W't per dozen.....	6	7 lbs.
Per dozen	$20.85	25.60
	AEFJ	AHFJ

HALF DOZEN IN A BOX.



Chisel Bristle Flowing, Triple Thick, Selected Black Chinese Bristles, Nickel Ferrule, Red Polished Beaver-Tail Handle.

No. 62 REVONOC—				
Width	1½	2	2½	3 in.
Length bristles...	2½	2½	2¾	3 in.
W't, doz. lbs.....	2½	3	4	4½
Per dozen.....	$6.00	9.00	12.00	15.00
	CIJ	FAJ	JGHJ	JIBJ

SHELLAC.



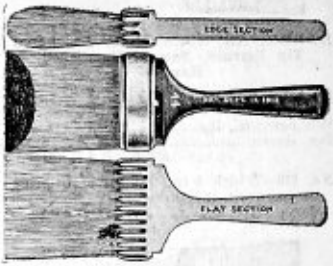
Chisel Bristles, Double Thick, Selected Black Chinese Bristles, Nickel Ferrule, Red Polished Handle.

No. 51 REVONOC—				
Width	1½	2	2½	3
Lgth. bristles, in.	1¾	2	2¼	2½
W't, doz., lbs.	1½	2¼	3	4
Per dozen ..	$4.00	5.00	6.50	9.10
	BHJ	CIJ	EJJ	FIJ

ONE DOZEN IN A BOX.

PRESSURE SET.

Do you want Paint Brushes that will not shed bristle? Most brushes are set in cement or glue. They release bristle when the setting dissolves or melts in certain liquids. REVONOC and **Nos. 60, 70-80** Brushes do not shed bristle in any paint liquid.



Nos. 60, 70 and 80 "Bull Dog."

An approved novelty in construction. Especially made to meet every possible brush requirement. New patent "pressure grip" process.

Nickel Plated Steel Ferrule Swedged Above to Catch Block and Below to Catch Bristle, Selected Black Chinese Chisel Bristles. Solid Centre, Red Polished Handles.

		W'T PER W'TH	L'TH	W'T PER DOZ.		PER DOZEN
No. 60	2⅛	3	3	EDJ		$8.00
No. 70	2⅝	3¼	4	FFJ		9.00
No. 80	3⅛	3¼	4½	J	IAJ	13.50

HALF DOZEN IN A BOX.

PAINT, VARNISH AND TRIM.



Chisel Bristle Paint, Varnish or Trim, Double Thick, Selected Black Chinese Bristle, Nickel Ferrule, Long Red Polished Handle.

No. 82 REVONOC—			
Width	1½	2	2½ in.
Length bristles	2¼	2½	2¾ in.
W't per doz.....	1½	2½	3 lbs.
Per dozen	$5.00	7.00	9.50
	CDJ	DFJ	FDJ

ONE DOZEN IN A BOX.

AUTOMOBILE CHISELED



Best Selected Black Chinese Bristles, Nickel Plated Ferrule, Plain Handle, Cement Set.

No. 521P—In.....	1	1½	2	2½	3
Length of br'tles	2	2¼	2½	2¾	2¾ in.
W't per doz....	1	1¼	2½	3¼	4¼ lbs
Per doz.....	$3.60	6.00	8.00	11.00	14.20
	BCE	CFJ	EBJ	JGCJ	AJJJ

Carefully made, soft and elastic and adapted to the very best class of work.

1, 1½ AND 2 IN., ONE DOZEN; 2½ AND 3 IN., HALF DOZEN IN A BOX.

VARNISH BRUSHES.

FLAT VARNISH.



FLAT, White Bristles, Tin Bound Natural Wood Handle.

No. 470—Inches	1	1½	2
Length bristles, in.	1½	1⅝	1⅝
W't per doz., lbs...	½	¾	1
Per dozen	$0.56	.84	1.04
	CE	EJ	JGJ

No. 470—Inches	2½	3
Length bristles, in.....	1½	1¾
W't per doz., lbs.....	1¼	1¾
Per dozen	$1.44	1.70
	JHE	AJE



CROW, Black Bristles, Tin Bound, Yellow Stained Handle.

No. 475—Inches	1	1½	2
Length bristles, in.	1½	1¾	1⅝
W't per doz., lbs...	½	¾	1¼
Per dozen	$0.66	.90	1.20
	EE	HJ	JHE

No. 475—Inches	2½	3
Length bristles, in.....	2	2
W't per doz., lbs.....	1½	2
Per dozen	$1.50	2.00
	AAJ	ACJ



CINCH, White French Bristles, Tin Bound, Black Enameled Handle.

No. 480—Inches	1	1½	2
Length bristles, in.	1½	1¾	1⅝
W't per doz., lbs...	½	1	1¼
Per dozen	$0.92	1.32	1.80
	FG	JIJ	ACJ

No. 480—Inches	2½	3
Length bristles, in.....	1¾	2
W't per doz., lbs.....	2	2
Per dozen	$2.50	3.30
	AFJ	BAE

ONE DOZEN IN A BOX.



CONGO, Black Chinese Bristles, Chisel Pointed, Tin Ferrule, Black Enameled Handle.

No. 490—Inches	1	1½	2
Length bristles, in.	1¾	1⅞	1⅞
W't per doz., lbs...	½	1	1¾
Per dozen	$0.80	1.20	1.50
	FJ	JIJ	AAE

No. 490—Inches	2½	3
Length bristles, in.....	2	2
W't per doz., lbs.....	1¾	2
Per dozen	$2.00	2.50
	AGJ	BJE

ONE DOZEN IN A BOX.

FLAT VARNISH.



EXTRA, White French Bristles, Chisel Point, Nickeled Ferrule, Cherry Red Varnished Handle.

No. 500—Inches	1	1½	2
Length bristles, in.	1½	1¼	2
W't per doz., lbs....	¾	1	1½
Per dozen $1.60	2.40	3.30	
	ABE	AGE	BDE

No. 500—Inches	2½	3
Length bristles, in.	2	2
W't per doz., lbs.....	2	3
Per dozen $4.50	5.60	
	CCJ	DGJ



CANTON, Black Chinese Bristles, Chisel Point, Locked Seam, Tin Ferrule, Yellow Stained Handle.

No. 505—Inches	1	1½	2
Length bristles, in.	1¾	1¾	1¾
W't per doz., lbs....	½	1	1¼
Per dozen $1.00	1.50	2.00	
	JFE	JIE	ABJ

No. 505—Inches	2½	3
Length bristles, in.	2	2
W't per doz., lbs.....	1¾	2
Per dozen $2.50	3.00	
	AEE	AIJ



PRINCE, Black Chinese Bristles, Chisel Point, Locked Seam, Nickel Ferrule, Transparent Yellow Polished Handle.

No. 540—Inches	1	1½	2
Length, bristles, in.	1¾	1⅞	2
W't per doz., lbs...	¾	1¼	1¾
Per dozen $1.30	1.80	2.50	
	AAJ	AEJ	AHJ

No. 540—Inches	2½	3
Length bristles, in.....	2⅛	2¼
W't per doz., lbs.....	2½	3
Per dozen $3.10	3.80	
	BEJ	CCJ



YEDDO, Black Chinese Bristles, Chisel Point, Nickel Ferrule, Cherry Polished Handle.

No. 510—Inches	1	1½	2
Length bristles, in.	1⅞	1¾	1⅞
W't per doz., lbs...	¾	1	1½
Per dozen $1.44	1.92	2.64	
	AJE	ACE	AHE

No. 510—Inches	2½	3
Length bristles, in.....	2	2¼
W't per doz., lbs.	1¾	2¼
Per dozen $3.00	3.60	
	BAJ	BEJ

ONE DOZEN IN A BOX.

FLAT VARNISH.



TOPSY, Selected Black Chinese Bristles, Chisel Point, Double Thick, Nickel Ferrule, Rosewood Finish Varnished Handle.

No. 515—Inches	1	1½	2
Length bristles, in.	1⅞	2	2¼
W't per doz., lbs. ..	¾	1¾	2
Per dozen $1.70	2.50	3.60	
	AAJ	AFJ	BAJ

No. 515—Inches	2½	3
Length bristles, in.....	2½	2⅝
W't per doz., lbs.....	2½	3¼
Per dozen $4.50	5.40	
	CAJ	DBJ



DIXIE, Black, Chinese Bristles, Chisel Point, Extra Thick, Nickel Ferrule, Rosewood Finished Hardwood Handle.

No. 518P—Inches ..	1	1½	2
Length bristles, in.	1⅞	2⅛	2⅛
W't per doz., lbs. ..	1	1¾	2½
Per dozen $2.50	3.40	4.50	
	AEE	BDJ	CBJ

No. 518P—Inches	2½	3
Length bristles, in.....	2⅜	2⅞
W't per doz., lbs.	3¼	4½
Per dozen $6.50	8.50	
	DEJ	EEJ



IDEAL, Finest White French Bristles, Chisel Point, Nickel Ferrule, Natural Cherry Polished Handle.

No. 530—Inches	1	1½	2
Length bristles, in.	1⅝	1⅞	2
W't per doz., lbs. ..	1	1½	2
Per dozen $2.80	4.00	4.50	
	AGJ	BGJ	CGE

No. 530—Inches	2½	3
Length bristles, in.....	2½	2¾
W't per doz., lbs.	3	3½
Per dozen $7.86	9.20	
	EEJ	FEJ



TIGER, Black Chinese Bristles, Chisel Point, Triple Thick, Nickel Ferrule, Cherry Polished Handle.

No. 520P—Inches ..	1	1½	2
Length bristles, in.	1⅞	2⅛	2¼
W't per doz., lbs. ..	1	1¾	2½
Per dozen $3.00	4.80	6.00	
	AHJ	BIJ	CFJ

No. 520P—Inches	2½	3
Length bristles, in.	2½	2⅝
W't per doz., lbs.	3	4
Per dozen	$8.50	11.50
	EAJ	JFIJ

ONE DOZEN IN A BOX.

VARNISH, PAINT AND TRIMMING BRUSHES.

OVAL VARNISH BRUSHES.



CROW, Black Chinese Bristles, Chisel Point, Nickel Plated Ferrule, Beaver Tail Handle.

No. 270—Sizes	1/0	2/0	3/0	4/0	5/0	6/0
Length, bristles, in.	2⅛	2⅜	2½	2⅝	3¼	3⅜
W't per doz., lbs.	3	2¾	3	3½	4¼	5
Per dozen	$4.75	5.50	6.40	7.10	9.40	12.00
	CFJ	DBJ	DEJ	EEJ	FIJ	JHAJ



EXTRA, EXTRA BLACK GLOSS Selected Black Chinese Bristles, Very Full Solid Center, Extra Long, Chisel Point, Compresed Nickel Plated Ferrule, Varnished Beaver Tail Handle.

No. 300—Sizes	8/0	10/0	12/0
Length bristles, in.	3⅝	3⅞	4⅛
W't per doz., lbs.	5¼	6⅛	7⅛
Per dozen	$14.40	18.80	25.30
	AAAJ	ADAJ	AHCJ

ONE-HALF DOZEN IN A BOX.



MAJESTIC, Best Quality Prepared Black Chinese Bristles, Solid Center, Bridled, Oval, Chisel Point, Varnished Beaver Tail Handle, Swedged Nickel Plated Ferrule.

No. 332—Sizes	10/0	12/0
Length, bristles, in.	4⅛	4½
Diam., in.	2	2⅛
W't per doz., lbs.	6½	7½
Per dozen	$27.50	32.50
	AIEJ	BEBJ

SIGN WRITER'S CUTTER.



Long Natural Cedar Handle, Sash Trim or Varnish Brush, Double Thick, Flat, Chisel, Best Quality Black Chinese Bristles, Nickel Bound, Cement Set, Can Be Laid Across Paint Pail, A Master Mechanic's Tool.

No. 417—Width, in.	1½	2
Length bristles, in.	2¼	2½
W't per doz., lbs.	2	2½
Per dozen	$3.40	4.90
	BGJ	CIJ

ONE DOZEN IN A BOX.

SASH TOOLS AND TRIM BRUSHES.



FRENCH, All White Bristles, Wire Bound, Red Ferrule, White Handle.

No. 390—Sizes	1	2	3	4
Diam., in.	⅜	½	⅝	¾
Length bristles, in.	1½	1½	1⅝	1¾
W't per doz., lbs.	½	½	½	¾
Per dozen	$0.54	.60	.70	.84
	CE	DJ	EB	FJ
No. 390—Sizes	**5**	**6**	**7**	**8**
Diam.,in.	¾	¾	⅞	⅞
Length bristles, in.	1⅞	1¾	1⅞	2
W't per doz., lbs.	1	1	1¼	1¼
Per dozen	$0.96	1.00	1.14	1.30
	DE	FJ	GE	JIJ

EXTRA EXTRA, Selected White French Bristles, Wire Bound, Blue Ferrule, White Handle.

No. 400—Sizes	1	2	3	4
Diam., in.	⅜	½	⅝	¾
Length bristles, in.	1¾	1⅞	1¾	1⅞
W't per doz., lbs.	½	½	¾	¾
Per dozen	$0.70	.76	.80	1.00
	BE	FJ	GE	JIJ
No. 400—Sizes	**5**	**6**	**7**	**8**
Diam., in.	¾	⅞	⅞	⅞
Length bristles, in.	1⅞	2⅛	2⅛	2⅜
W't per doz., lbs.	1	1¼	1¼	1½
Per dozen	$1.20	1.74	2.00	2.10
	AAE	ADJ	AEJ	AGJ

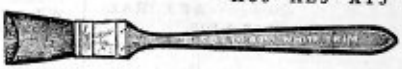


PERFECTION OVAL, Black Chinese Bristles, Chisel Point, Nickel Plated Ferrule, Polished Cedar Handle.

No. 420—Sizes	1	2	3	4
Diam., in.	⅞	⅝	⅝	⅞
Length bristles, in.	1⅞	1⅞	1¾	1⅞
W't per doz., lbs.	½	½	¾	1
Per dozen	$1.10	1.20	1.60	1.70
	JGJ	JHE	AJJ	ABJ
No. 420—Sizes	**5**	**6**	**7**	**8**
Diam., in.	⅞	⅞	1	1⅛
Length bristles, in.	1⅞	1⅞	2⅛	2⅛
W't per doz., lbs.	1¼	1¼	1½	1¾
Per dozen	$2.00	2.30	2.50	2.80
	AEJ	AGJ	AIJ	BBJ

PERFECTION ROUND, Black Chinese Bristles, Chisel Point, Nickel Ferrule, Transparent Yellow Varnished Handle.

No. 410—Sizes	4	6	8	10
Diam., in.	⅝	¾	⅞	1
Length bristles, in.	1⅞	2	2⅛	2¼
W't per doz., lbs.	1¼	1¼	1½	2
Per dozen	$1.80	2.40	3.20	3.50
	ACJ	AEJ	AIJ	BCJ



WHITE TRIM, Boiled White French Bristles, Double Thick, Tin Ferrule, Natural Cherry Handle.

No. 405—Width, in.	1	1½	2
Length bristles, in.	1¾	2	2
W't per doz., lbs.	1	1½	2¼
Per dozen	$2.50	3.50	4.80
	AFJ	BFJ	CFJ



BLACK TRIM, Flat, Select Black Chinese Bristles, Tin Ferrule, Extra Long Natural Cherry Polished Handle.

No. 415—Width, in.	1	1¼	2
Length bristles, in.	1¾	1⅞	2¼
W't per doz., lbs.	1	1½	2
Per dozen	$1.80	2.50	3.60
	ADE	AHJ	BFE

FLOWING, BRONZING AND FITCH BRUSHES.

FLOWING VARNISH.



Extra Double Thick Badger, Chisel Point, Nickel Plated Bound, Double Nailed, Polished Handle, Glue Set.

No. 570P—In..	1	1½	2
Length bristles, in.	1½	1⅝	1¾
W't, doz., lbs.	¾	1¼	1¾
Per dozen	$7.00	10.00	13.50
	EAJ	JGEJ	AJAJ

No. 570P—Inches	2½	3
Length bristles, in. ...	1⅞	2
W't per doz., lbs.	2¼	2¼
Per dozen	$16.50	20.00
	ABCJ	AEJJ

ONE DOZEN IN A BOX.

No. 570-P is glue set and must not be put in water. These brushes are particularly adapted for use in varnish, alcohol and oil shellacs, bronzing liquids.



Extra, Single Thick, Pure Fitch, Chisel Point, Nickel Plated Bound, Double Nailed, Polished Handle, Glue Set.

No. 558-P—Inches..	1	1½	2
Length of hair, in....	1⅛	1⅞	1⅞
W't per doz., lbs....	⅝	1¼	1¼
Per dozen $4.00		6.00	8.00
	BHJ	DBJ	EFJ

ONE DOZEN IN A BOX.

FLOWING VARNISH.



COLOR, Camel Hair, Lacquered Band, Short Cedar Handle.

No. 460P—Inches ..	1	1½	2
Length hair, in. ...	1⅛	1⅛	1¼
Per dozen $4.00		6.00	8.00
	BGE	DBJ	EGJ

No. 460P—Inches	2½	3
Length hair, in.	1⅜	1½
Per dozen	$10.00	12.00
	JHJJ	AJEJ

ONE DOZEN IN A BOX.



MOTTLER, Camel Hair, Full Width, Tin Band, Short Cedar Handle.

No. 465P— Inches	1	1½	2	2½
Length hair, in.	1½	1¼	1⅛	1⅛
Per dozen ..$2.50		4.00	4.80	7.20
	AGE	BGJ	CEJ	EAJ

ONE DOZEN IN A BOX.

CAMEL HAIR LACQUERING OR BRONZING.



No. 6501P—Width ⅝ in., length of hair 1 in., tin ferrule, white wood handle, w't per doz. ½ lb., per dozen .....JGJ $1.00

A big seller to retail at 5 cents.

THREE DOZEN IN A BOX. WE DO NOT BREAK BOXES.

RADIATOR BRONZING.



"IL-A-NOY," Soft Hair, Chiseled Edge, Nickeled Ferrule, Long, Finely Polished Handle, Especially Adapted for Bronzing Radiators.

No. 425P—Inches ..	1	1½	2
Length bristles, in.	1¼	1⅜	1½
W't per doz., lbs. ..	1	1½	2
Per dozen $3.00		4.00	6.00
	BJE	BGJ	DAJ

ONE DOZEN IN A BOX.

CHISEL ARTIST'S BRUSHES OR FITCHES.



PREMIER, Extra Quality Lily White Chiseled French Bristles, Nickel Plated Ferrule, Long Red Polished Handle.

No. 435P— Width, in.	⅛	¾	½
Length bristles, in..	¾	⅞	1
W't per doz., lbs. ..	⅛	⅛	⅛
Per dozen $1.60		1.80	2.00
	AAJ	ABE	ADJ

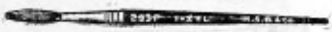
No. 435-P—Width, in.	¾	1
Length bristles, in.	1¼	1½
W't per doz., lbs.	1	1¾
Per dozen $2.50		3.80
	AHE	BDJ

A superior brush for sign board and scenic work. Also used as a sash tool by master painters.

ONE DOZEN IN A BOX.

LETTERING PENCILS, GLUE AND STENCIL BRUSHES.

LETTERING PENCILS.

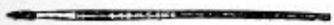


I-X-L Finest Genuine Camel's Hair, for Sign and Show Card Writing, Polished Cedar Handles, Metal Ferrules, Gold Stamped.

No. 293P—Sizes	2	4	6
Length of hair, in..	½	⅞	1
Per dozen	$1.30	1.50	1.80
	JIE	AAJ	ADJ

No. 293P—Sizes	8	10	12
Length of hair, in..	1¼	1⅜	1½
Per dozen	$2.50	3.20	4.00
	AGJ	BAE	BHJ

MARKING.



Bristle, Tin Bound, Long Round Cedar Handle.

No. 440P— Sizes	1	2	3	4
Length bristle, in. ...	½	⅝	¾	⅞
Per dozen ..	$0.36	.40	.44	.48
	BI	BI	CF	CF

No. 440P— Sizes	5	6	Assorted
Length bristle, in. ...	1	1⅛	
Per dozen ..	$0.52	.54	.40
	DB	DB	CE



Camel Hair, Dome Pointed, Tin Bound, Polished Handle.

No. 450P—Sizes	1	2	3
Length hair, in. ...	⅝	¾	⅞
Per dozen	$0.90	1.10	1.30
	FH	JHJ	JIJ

No. 450P—Sizes	4	Assorted
Length hair, in. ...	⅞	
Per dozen	$1.30	1.16
	AJJ	JIJ

SIGN WRITERS'.



Siberian Ox Hair, Flat, Nickel Plated Ferrule, Polished Handle, Chisel Edge.

No. 430P— Inches ...	¼	½	¾	1
Length hair, in.	¾	1⅛	1	1⅛
W't per doz., oz.	2½	5	7	9
Per dozen ..	$3.20	4.20	5.70	7.50
	BEJ	CEE	DGJ	EIJ

ONE DOZEN IN A BOX.

BRICK STRIPERS.



Plain Wood Handle, First Quality Bristles, for Fine Striping.

No. 715P—Size	1	2
Width, in.	2½	3
Per dozen	$1.30	1.60
	AJE	AAJ

PATENT GERMAN GLUE.



Extra Round, All Pure White Bristles, Round Brass Ferrule, Iron Handle.

No. 760—Sizes	2	4
Diam., in.	¾	1
Length bristles, in.	2	2¼
W't per doz., lbs.	1	1¾
Pe. dozen	$4.70	7.00
	CCJ	EJJ

PATENT GERMAN GLUE.



Black, Chinese Bristles, Nickel Plated Ferrule, Red Polished Beaver Tail Handle.

No. 765 REVISED— Sizes, in. ..	2	3	4
Length bristles, in.	2⅜	2½	2¾
W't, doz., lbs.	3¼	4	7
Per dozen	$7.00	10.00	14.00
	EBJ	JFFJ	AJDJ

The holding parts being all metal, the cement is not relied upon alone, and it is the only flat glue brush that can be depended upon under all circumstances.

STENCIL.



All White Bristles, Zinc Bound.

No. 730—Sizes	4	6	8	10
Diam., in. ..	⅜	1⅜	1¼	1½
Length bristles, in. ..	1¼	1½	1⅝	1¾
W't per doz., lbs.	1¼	2	2½	3¼
Per dozen ..	$2.50	3.40	4.40	6.20
	AHE	BFJ	CAJ	DCJ

ONE DOZEN IN A BOX.



Wrought Iron Ferrule, Nickel Plated, Polished Red Handle, Selected White Bristles, Best Brush Made.

No. 731—Sizes	6	10	14
Diam., in. ...	1⅝	1⅝	2⅛
Length bristles, in.	1¼	1¼	1¾
Per dozen	$4.30	9.00	14.80
	CDJ	FFJ	ABIJ

WHITEWASH BRUSHES.



FAMILY, White Tampico, Wire Drawn, Metal Ferrule, Yellow Varnished Block with Black Stripe.

No. 628—Inches	6	7	8
Length bristles, in.	3	3	3
W't per doz., lbs. ..	6	6½	8
Per dozen	$2.00	2.30	2.60
	ACJ	AEE	AHJ

Three-Row Gray Jaumauve Tampico, Wire Drawn, Brass Lacquered Ferrule, Varnished Block with Red Stripe at Ferrule.

No. 635—Inches	6	7	8
Length bristles, in.	3¼	3¼	4
W't per doz., lbs. ..	6	7	8
Per dozen	$2.80	3.10	3.50
	AHE	BCJ	BFJ

PRIDE, Gray Jaumauve Tampico, Wire Drawn, Metal Ferrule, Natural Varnished Block, Red Stripe.

No. 630—Inches	6	7	8
Length bristles, in.	2⅛	2⅛	2⅛
W't per doz., lbs. ..	6	7	8
Per dozen	$2.90	3.30	3.70
	AHE	BAE	BDJ

JET, Black Chinese Bristles Outside, Black Jaumauve Mixed Center, Metal Ferrule, Red Varnished Block, Black Stripe.

No. 660—In..	6	7	8	9
Length bristles, in. ..	3	3	3	3
W't per doz., lbs.	7	8	8½	9½
Per dozen ..	$3.40	4.00	5.00	5.40
	BBJ	BGJ	CBJ	CFJ

ONE-HALF DOZEN IN A BOX.



White Bristles Outside, Gray Mixed Center, Brass Lacquered Ferrule, Red Block with Black Stripe at Ferrule.

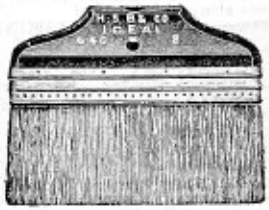
No. 645—Inches	6	7	8
Length bristles, in.	2¾	2¾	2¾
W't per doz., lbs. ..	6	7½	9
Per dozen	$4.00	5.40	6.30
	BHJ	CFJ	DEJ

ONE-HALF DOZEN IN A PASTEBOARD BOX.

CAUTION.

Never put a whitewash or calcimine brush into newly slaked lime, tar, or mixtures containing acids. A whitewash brush should frequently be washed thoroughly clean, hung up bristles downward and permitted to dry.

A whitewash brush unless made especially should never be used in paint, tar, or mixtures used for painting roofs. Our guarantee does not cover brushes so used.



IDEAL, White Bristles Outside, White Mixed Center, Nickel Plated Ferrule, Imitation Rosewood Block.

No. 640—Inches	6	7	8
Length bristles, in.	2¾	3	3¼
W't per doz., lbs. ..	6½	9	10½
Per dozen	$5.20	7.20	8.50
	CFJ	DGE	FAJ



BARGAIN, Two Rows All White Warranted Bristles, Brass Lacquered Ferrule, Natural Varnished Block, Red Band—An Excellent Value.

No. 655—In. ..	6	7	8
Length bristles, in.	2⅜	2¾	2⅞
W't, doz. lbs.	6	7½	8½
Per dozen	$6.00	8.00	10.50
	DDJ	EAJ	JFIJ

POPULAR, Three Rows All White Warranted Bristles, Nickel Plated Ferrule, Black Painted Block with Red Band, Extra Good Quality.

No. 650—In. ..	6	7	8
Length bristles, in.	2⅞	2¼	3
W't, doz. lbs.	6½	8	8½
Per dozen	$7.20	9.50	13.00
	DEJ	EGJ	JGJJ

DIXIE, Black Chinese, Warranted All Bristles, Nickel Ferrule, Transparent Yellow Varnished Block.

No. 670—In. ..	7	8	9
Length bristles, in.	2½	2¾	3
W't doz. lbs.	7	8½	10
Per dozen	$7.80	10.50	13.00
	FJJ	JHDJ	JIIJ

ONE-HALF DOZEN IN A BOX.



RIVAL, All White Bristles, Leather Bound, Rosewood Finish, Varnished Block, Black Stripe.

No. 695—Sizes	10	20
Width, in.	7½	8
Length bristles, including strap width, in...	3¾	4¼
W't per doz., lbs.	9½	10¼
Per dozen	$15.70	19.70
	AJHJ	ABCJ

No. 695—Sizes	30	40
Width, in.	8¼	9
Length bristles, including strap width, in...	4¼	4½
W't per doz., lbs.	10¾	11¾
Per dozen	$23.60	27.56
	AFEJ	AIHJ



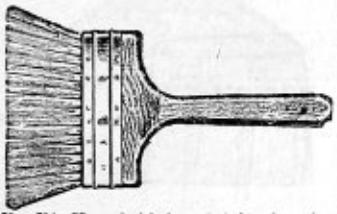
KENWOOD, All White Bristles, Nickel Plated Band, Polished Green Head.

No. 681—Inches	8	9
W't per doz., lbs.	9½	10¼
Length bristles, including strap width, in...	3½	3¾
Per dozen	$16.50	19.00
	ABFJ	ADHJ

ONE-THIRD DOZEN IN A BOX.

CALCIMINE, ROOFING AND DECORATORS' BRUSHES.

CALCIMINE.



No. 591—Household, length 7 in., length stock 3½ in., white tampico top row, imitation brass bound, natural finished handle, w't per doz. 10 lbs., per dozen .....**CJJ** $4.50

Can also be used for paper hangers' paste brush.

ONE DOZEN IN A BOX.



FAMILY, White Bristles Outside, Mixed Center, Brass Lacquered Ferrule, Natural Varnished Handle.

No. 590—In. ..	6	7	8
Length stock, in.	3	3¼	3¼
W't doz. lbs.	10	12	14
Per dozen	$7.20	9.00	10.00
	FFJ	**GEJ**	**JHGJ**

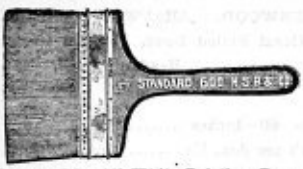
ONE-HALF DOZEN IN A BOX.



BANNER, White Bristles Outside, White Mixed Center, Brass Lacquered Ferrule, Yellow Varnished Handle.

No. 595—In. ..	6	7	8
Length bristles, in.	3¼	3¼	3¼
W't, doz., lbs.	10	12½	14
Per dozen	$9.00	10.50	12.00
	FCE	**JGBJ**	**JHDJ**

ONE-HALF DOZEN IN A BOX.



STANDARD, All White Bristles, Brass Lacquered Ferrule, Rosewood Finished Varnished Handle.

No. 600—Inches	7	8
Length bristles, in.	3¼	3½
W't per doz., lbs.	12½	14¼
Per dozen	$18.40	25.00
	AADJ	**AEFJ**

ONE-HALF DOZEN IN A BOX.

CAUTION.

Never put a calcimine brush into newly slaked lime or mixtures containing acids. A whitewash brush should frequently be washed thoroughly clean, hung up bristles downward and permitted to dry.

If this is done, the brush will be found to work much better and wear materially longer. A calcimine brush, except a REVONOC with its special construction, should never be used in paint, tar, or mixtures used for painting roofs. Don't ask us to replace brushes abused in this way.

CALCIMINE.

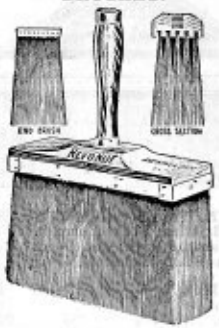


O. K., All White Bristles, Brass Lacquered Ferrule, Natural Varnished Handle.

No. 610—In. ..	6	7	8
Length bristles, in.	4	4¼	4½
W't, doz., lbs.	12	14	16
Per dozen	$21.70	33.40	44.00
	AEAJ	**BCAJ**	**BIAJ**

ONE-HALF DOZEN IN A BOX.

REVONOC GERMAN KALSOMINE BRUSHES.



Patented March 12, 1912.

Bristles secured by fibroid wedges under pressure. Physically impossible for bristles to pull out of this grip, in whatever liquid the brush is used. In old style German Kalsomine Brushes the bristles are set in pitch which dissolves in various paint liquids, releasing the bristle, making the brush worthless.

Very Best Gray Russia Bristles, Improved Construction, Brass Bound, Hollow Detachable Brass Screw Handle, Guaranteed in Every Respect.

Nos.	666-P	777-P
Rows of bristles.....	3	5
Length, in.	4⅛	4
Size of block 1⅝x8¼		2¾x7¼
W't per doz., lbs.....	14	18
Per dozen	$45.00	60.00
	CCFJ	**DDDJ**

Cannot leak or come apart and can be used in oil paint as well as in water colors.

ONE IN A BOX.

ROOFING.



No. 723—3 knot, 3½ in. mixed bristles, 6½ in. plain block, red painted, ferrules, w't per doz. 14 lbs., per dozen .....**JICJ** $14.90

No. 724—4 knot, 3½ in mixed bristles, 8 in. plain block, red painted ferrules, w't per doz. 18 lbs., per dozen .....**ABJJ** $18.70

No. 721—3 knot, 3¼ in. mixed bristles, plain metal ferrule, otherwise same as No. 723.....per dozen **JGBJ** $11.20

No. 722—4 knot, plain metal ferrule, 3¼ in. bristles, otherwise same as No. 724 .....per dozen **JIIJ** $13.00

ONE-HALF DOZEN IN A BOX.

PAPER HANGERS' PASTE OR CALCIMINE BRUSHES.

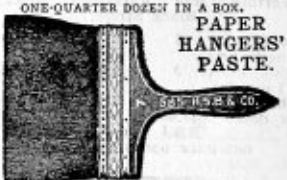


Selected Long Gray Russian Bristles, Nickel Ferrule, Red Polished Handle, Fully Warranted.

No. 102 REVONOC—		
Width, in.	7	8
Length bristles, in.....	4½	4½
W't per doz., lbs.....	14	16
Per dozen	$48.00	$4.00
	CJCJ	**CDBJ**

ONE-QUARTER DOZEN IN A BOX.

PAPER HANGERS' PASTE.



No. 585—Expert, 7 in. wide, 4¼ in. gray Russian bristles set in waterproof cement, galvanized iron band, extra well riveted, two-piece varnished handle, w't per doz. 12 lbs., per dozen .....**BJGJ** $31.20

ONE-HALF DOZEN IN A BOX.

PLASTERERS' SKIMMING.



No. 625—8 in. wide, 5 in. long, very stiff, unbleached Okatka bristles, three rows, leather bound, vermilion stripe, red varnished handle, w't per doz. 12 lbs.....per dozen **CIFJ** $57.60

ONE-HALF DOZEN IN A BOX.

"SELF-SELLING" BRUSH ASSORTMENTS.

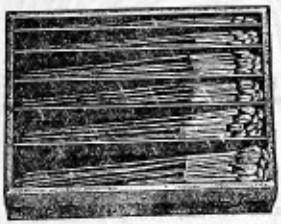
ARTISTS'.



No. 4800—Extra quality, round, Lily White French bristles, nickel ferrule, natural polished handle, gold stamping, one dozen assorted sizes 1 to 6 on a card, w't 5 oz., per card $1.30 **JIJ**



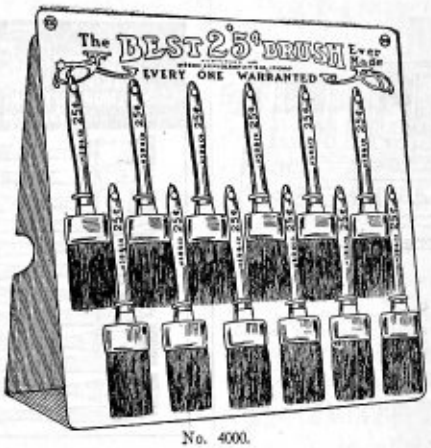
No. 8644—Fine camel hair, 2 doz. on a card, assorted sizes, w't per card ¼ lb., per card .....**AJJ** $1.50



No. 458—Camel hair, one gross assorted sizes in a glass top box, w't per assortment ¾ lb., per ass't **DBJ** $5.80

We do not break boxes or cards.

FAMILY.



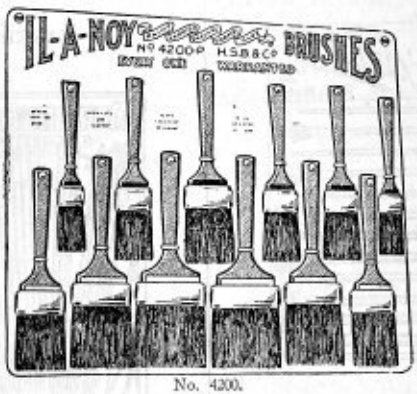
No. 4000.

No. 4000—Consisting of 12—1⅝x¾ in., oval chisel black Chinese bristle, length of bristles, clear of ferrule, about 2⅛ in., w't per card 30 oz., per card .....**CJJ** $4.00
Brushes can be removed from card, and every brush is fully guaranteed to work satisfactorily in paint, varnish, shellac or any material that will not injure or destroy the bristles.

No. 4100—Consisting of 12—1½ in. indestructible varnish brushes, mounted on counter display, otherwise same as No. 4000 .....per card **CCJ** $4.00
An all around household brush for use in paint, varnish or enamel.

ONE DOZEN ON AN EASEL DISPLAY CARD, 14x15 IN.

"IL-A-NOY."



No. 4200.

Flat Chiseled, Black Chinese Bristles, Twelve on an Easel Display Card 16x18½ in., W't 3½ lbs.

No. 4200 Assortment .....per assortment **DCJ**					$6.00
2 only	**No. 4-P**	width 1⅛ in.	length 2 in.	each $0.30	$0.60
3 only	**No. 5-P**	width 1⅜ in.	length 2¼ in.	each .40	1.20
3 only	**No. 6-P**	width 2⅛ in.	length 2½ in.	each .50	1.50
2 only	**No. 7-P**	width 2⅝ in.	length 2¾ in.	each .60	1.20
2 only	**No. 8-P**	width 3⅛ in.	length 2¾ in.	each .75	1.50

These brushes are the highest grade that can be made. Convenient to sell, suit every use—every housewife needs one. Brushes can be easily removed from card and every brush is fully guaranteed to work satisfactorily in paint, varnish, enamel, shellac or any material that will not injure or destroy the bristles.

NOS. 4-P AND 5-P, ONE DOZEN IN A BOX; REMAINDER, ONE-HALF DOZEN IN A BOX.

"SELF-SELLING" BRUSH ASSORTMENTS.

VARNISH.



No. 12—Assortment consisting of 12 each, 1 in., 1½ in., 2 in. and 2½ in. wide, w't 6¼ lbs.,
per assortment .....EGE $8.50

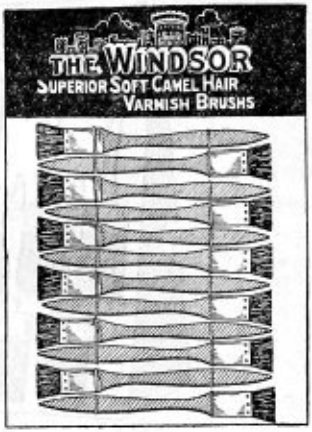
An attractive counter display. Consists of four dozen popular selling Varnish Brushes, in a neat, durable wooden box, on which the selling price of each brush is plainly printed.



No. 4247—Columbia, assorted sizes, one ½ in., three ⅝ in., two ⅝ in., two ¾ in., two ⅞ in., two 1 in. camel hair, tin bound, round green handle, one dozen on a card, w't per card, 4¾ oz., per card .....JHE $1.20

We do not break cards.

VARNISH.



No. 1849—Windsor, 1 in., length bristles ⅞ in., camel hair, tin bound, flat handle, one dozen on a card, w't per card 5¾ oz. .....per card AAJ $1.30

MARKING.



No. 4900—Camel hair, 2 doz. on card, assorted sizes from 1 to 6, with red polished handles, w't per card 5 oz., per card .....ABJ $1.50

We do not break cards.

ARTISTS'.



No. 455—Superior, camel hair, mounted two dozen on a card, w't per card ¼ lb. .....per card AJJ $1.30



No. 4564—Perfection, ⅜ in., length of bristles 1 in., camel hair, nickel plated ferrule, round green handle, one dozen on a card, w't per card 4½ oz. .....per card JIJ $1.30

We do not break cards.

RUBBERSET BRUSHES.

WALL.



KUROKI, Select Chinese Bristles, Nickel Bound.

No. 840—Width, in.	3	3½	4
Length bristles, in.	2⅞	3	3¼
W't per doz., lbs....	4	5	6
Per dozen $7.30		9.70	12.80
	EJJ	FFE	JHGE

CHING, Best Chinese Bristles, Nickel Bound.

No. 845—Width, in.....	2½	3
Length bristles, in.....	2⅞	2¾
W't per doz., lbs.	3	3¼
Per dozen $4.90		5.70
	CCE	CIJ

No. 845—Width, in.	3¼	4
Length of bristles, in.	2⅞	3⅛
W't per doz., lbs.	4½	5¼
Per dozen $7.20		9.70
	DIJ	FFE

ONE-HALF DOZEN IN A BOX.



No. G1, Best Selected Chinese Bristles.

No. 835—Width, in.	3	3½	4
Length of bristles, in..	3¼	4⅛	4¼
W't, doz., lbs.	5½	6	7¼
Per dozen	$13.50	18.75	24.15
	JIBE	ABHJ	ADEJ

FLAT SASH TRIM, OR RADIATOR.



Selected Black Chinese Bristles, Chiseled Nickel Ferrules.

No. 915—			
Length bristles, in.	1	1½	2
W't per doz., lbs. ..	1⅝	2	2¼
Per dozen $2.50		3.50	4.66
	AGJ	BDJ	CBJ

ONE-HALF DOZEN IN A BOX.

FLAT VARNISH.



KOKOX, Flowing, Chiseled Selected Chinese Bristles, Extra Thick, Nickel Bound, Long and Full, Very Elastic.

No. 875—Width, in. .	1	1½	2
Length bristles, in.	1⅝	1⅞	2⅛
W't per doz., lbs. ..	¾	1	1¼
Per dozen $2.66		3.86	4.80
	AHJ	BFE	CCJ

No. 875—Width, in.	2½	3
Length of bristles, in.	2⅜	2⅝
W't per doz., lbs.	2½	3
Per dozen $7.10		8.80
	DHE	FJJ

KOKO XXX, Flowing, Chiseled Selected Chinese Bristles, Extra Thick, Nickel Bound, Long and Full, Very Elastic.

No. 880—Width, in.	1	1½	2
Length bristles, in.	2	2⅜	2⅝
W't per doz., lbs. ..	1	1½	2¼
Per dozen $3.74		5.34	6.66
	BEE	CFE	DEE

No. 880—Width, in.	2½	3
Length bristles, in.	2⅞	3⅛
W't per doz., lbs.	3½	4½
Per dozen	$9.34	13.34
	FDJ	JIAJ

MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledge of the requirements in that locality enables him to handle your orders intelligently.

Your voluntary orders are given the same careful attention as if you were buying the goods from us personally and are billed at the *lowest market prices.*

SHIPPING FACILITIES

With our immense stock and unexcelled shipping facilities we can fill orders with unequaled promptness. On most roads we have through package cars which enable us to reach distant points many hours ahead of shipments made in the regular way.

BRUSHES.

PAPER HANGERS' SMOOTHING.



No. 700—Family, yellow fibre, 2 in. clear of block, 10 in. block, 2 rows, w't per doz. 6 lbs., per dozen .....**BBJ** $3.50

No. 701—Family, 12 in. block, w't per doz. 7 lbs., otherwise same as No. 700, per dozen .....**BFJ** $4.00



No. 702—Congo, good quality stiff black hair, 2 in. clear of block, 10 in. block, 2 rows, w't per doz. 6 lbs., per dozen .....**DHJ** $7.50

No. 703—Congo, 12 in. block, w't per doz. 7 lbs.., otherwise same as No. 702, per dozen .....**FJJ** $9.00



No. 705—Favorite, 12x1⅞ in., w't per doz. 7 lbs., otherwise same as No. 704, per dozen .....**AJDJ** $16.00



No. 707—O. K., all white Russian bristles, copper wire drawn, stained yellow block, red stripe, 12x2 in., w't per doz. 7 lbs., per dozen **ACHJ** $19.00



No. 708—Superior, two rows best black Chinese bristles, copper wire drawn, stained yellow block, red stripe, 12x2 in., w't per doz. 7 lbs., per dozen .....**AEJJ** $24.00



Steel.

No. 179—2½x1¼ in. block, 6 rows 2½ in. fine wire bristles, 5 in. handle, w't per doz. 4 lbs., per dozen **BDJ** $4.00

For cleaning around cornices and in places that cannot be reached with other styles of wire scratch brushes.

ONE DOZEN IN A BOX.

FURNITURE RUBBING.



No. 150-P—4 rows brass wire drawn, 1 in., all bristle paint stubs, w't per doz. 3 lbs.....per dozen **BDJ** $4.00

STEEL.



No. 209-P—Painters' long handle scratch, 14 in. block, three 6 in. rows of 1¼ in. fine wire bristles, w't per doz. 4½ lbs. .....per dozen **BDJ** $4.00

Also used as a braziers' cleaning brush.

PAINTERS' SCRATCH.



No. 110-P—Painters' shoe handle scratch brush, 4 rows, 1½ in. fine round wire bristles, length over all 9¾ in., brush part 4¾ in., w't per doz. 4 lbs., per dozen .....**CFJ** $6.00

The above brush designed for same purposes as Nos. 176, 177 and 111. Narrow face adapts to surfaces not accessible to wider brushes. Excellent for removing varnish with or without aid of varnish removing preparation.

ONE DOZEN IN A BOX.



No. 111—Painters' round wire scrub, 7x2⅛ in. block, 6 rows of 1¾ in. fine wire bristles, w't per doz. 7 lbs., per dozen .....**CFJ** $6.00



No. 176—Painters' curved back scrub, 7x2¼ in., 6 rows 1¼ in. fine wire bristles, w't per dozen 6 lbs., per dozen .....**CIJ** $6.00

No. 177—7x2⅛ in. block, w't per doz. 6 lbs., 8 rows bristles, otherwise same as No. 176-P ....per dozen **DEJ** $7.50

The above brushes are made of very fine tempered wire and act in a similar manner to the grains of No. 1 sand paper. The curve face concentrating the energy into one place, producing more rapid results than is possible with a flat surface brush.

STONE CLEANING.



No. 104-P—Painters' and masons', 7½x2½ in. solid block, 5 rows, 2⅛ in. long flat wire bristles, w't per doz. 9 lbs. .....per dozen **BDJ** $4.00

FOUNDRY CASTING.



No. 105—7½x2½ in. solid back, 5 rows of 5 in. heavy flat steel bristles, w't per doz. 15 lbs., per dozen **BGJ** $4.50



No. 106-P—7½x2½ in., solid back, protected ends, 5 rows of 5⅛ in. heavy flat steek bristles, w't per doz. 16½ lbs. ..... per dozen **CFJ** $6.00

WAX FLOOR.



For Polishing and Finishing Wax Floors, Superior Mixed Stiff Gray Stock, Gold Bronzed Cast Top, Long Handle.

No. 750 REVENOC—Family, stock ⅞ in., handle 58 in., w't 13½ lbs., per dozen .....**AHJJ** $30.00

No. 751 REVENOC—Standard, stock ⅞ in., handle 58 in., w't 19½ lbs., per dozen ..... **BAFJ** $36.00

EXTRA BRUSH PARTS.

For REVENOC Wax Floor Brushes.

Brush part only, for No. 750—15 lb. top, per dozen★ .....**EGE** $9.60

Brush part only, for No. 751— 25 lb. top, per dozen★ .....**JGBJ** $12.00

PAINTERS' TINWARE, OIL AND GASOLINE TANKS.

PAINT BUCKETS OR POTS.



No. 1—4 qt., light IC tin, w't per doz. 9 lbs. .....per dozen **AFJ** $2.50
No. 2—4 qt., heavy IX tin, w't per doz. 12 lbs. .....per dozen **BAE** $3.60

SHELLAC OR VARNISH POTS.



No. 1—1 qt., steeple cover, with hooks to suspend brush, w't per doz. 8 lbs., per dozen .....**BAJ** $3.50

ROLLED CHIME BARRELS.



For Storing and Shipping Kerosene, Gasoline, Lubricating Oils, Etc.

No. 830—Capacity 30 gals., height 29 in., diam. 19 in., 19 Ga. cold rolled steel, w't 40 lbs. .....each **BHJ** $4.70

No. 850—Capacity 50 gals., height 32 in., diam. 22½ in., 18 Ga. cold rolled steel, w't 55 lbs. .....each **DAE** $6.90

These barerls are constructed of the best cold rolled sheets obtainable; the side seam and bung openings are closed by a special seaming process, eliminating all chance of leakage.

Each barrel is equipped with a brass plated faucet and coated with a varnish paint specially prepared to resist the action of kerosene and gasoline.

Furnished in any color desired.

GASOLINE TANKS.



No. 92—Galvanized steel, perfectly air tight, ground brass faucet, capacity 60 gal., diameter 26 in., height 30 in., w't 44 lbs. .....each **JIFJ** $16.00



Galvanized Steel, Wood Bottom, Perfectly Air Tight, 26 Ga. ⅝ in. Lock Lever Ground Brass Faucet.

Nos.	70	71	72
Capacity, gal.	30	60	110
Diameter, in.	22	25	30
Height, in.	24	28	36
W't, lbs.	34	52	67
Each	$6.30	7.00	10.50
	CHJ	**DHJ**	**JGBJ**

OIL TANKS.



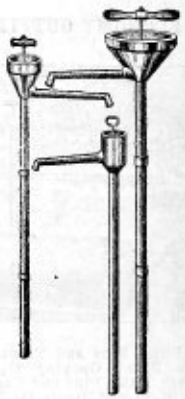
No. 600—60 gal., 26 gauge galvanized steel, with pump, painted green, w't 46 lbs. .....each **DHJ** $6.50
No. 650—26 gauge galvanized steel, painted green, extra large pump, adapted for heavy lubricating and steam cylinder oils, molasses, etc., otherwise same as No. 600, each .....**DHJ** **$6.50**

OIL TANKS.



No. 81—26 gauge galvanized steel, painted green, high form, hinged cover, 1¼ in. perfection gate, for heavy oils and varnishes, capacity 60 gal., diameter 24 in., height 28 in., w't 52 lbs., each .....**EGJ** $9.50

TRANSFER PUMPS.



No. 10. No. 5. No. 15.

Heavy IX Tin, Brass Valves.

Nos.	5	10	15
Size, in.	1¼x32	1½x54	1½x78
W't, lbs.	7	8	18
Each	$1.60	4.00	4.70
	JIE	**BDJ**	**BHJ**

Nos. 10 and 15 are reinforced at joints.

ONE IN A CRATE.

GARAGE OUTFITS.

For Both Dealer and Automobile Owner. They Get the Gasoline Safely Out of the Way. Reduce Cost of Insurance, Insure Against Explosion Dangers. Save Leaking and Spilling Losses.

STEEL BARRELS.



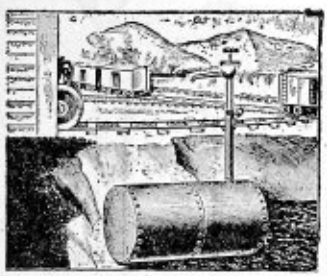
For Storing Lubricating or Kerosene Oils. In Colors Red, Green or Black.

No. 700—Capacity 30 gals., height 28 in., diam. 19 in., gauge 18, w't 32 lbs., each .....**DHJ** $8.00

No. 750—Capacity 50 gals., height 30 in., diam. 22½ in., gauge 16, w't 54 lbs., each .....**EDJ** $9.00

These barrels are constructed of open hearth steel, and the flanges are welded, not soldered. Each barrel is equipped with ½ in. bung and flange and 1½ in. bung and flange in one end. The extra heavy brass faucet is attached to the under side of 1½ in. bung, for convenience in shipping.

ECONOMY OUTFITS.

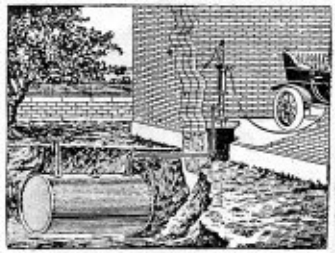


Tank, Filler Pipe and Transfer Pump, Flange Filler Opening 1½ Inches, 1½ Inch Filler Pipe and Cap, Fitted with Hasp and Staple for Locking and 1¾x72 Inch Transfer Pump Fully Guaranteed.

No.	Gauge	Capacity gallons	Diam. inches	Length inches	W't lbs.		Each
300	20	60	24	30	71	AEBJ	$19.00
301	20	110	30	36	97	AFHJ	21.00
302	18	60	24	30	97	AFDJ	20.50
303	18	110	30	36	122	AIBJ	24.00

This tank is made from the best quality galvanized steel, closely riveted, soldered and painted and guaranteed absolutely oil and water tight. Can be buried any distance or angle from the building. A patented arrangement, automatically keeps the tank free from dirt and the gasoline in the best of condition.

LONG DISTANCE OUTFITS.



Nos. 400 and 500 Tanks.

Cut of Nos. 400 and 500 shows Model "H" Gasoline Pump with automobile in position for filling. The pump is conveniently located inside the building, while the heavy metal tank is buried under the ground outside.

This outfit is designed and constructed for the purpose of safe-guarding the handlers of gasoline from the hazardous risks arising from the improper use and storage of this fluid.

All risk of explosion is absolutely removed by the use of our storage outfits.

The Tank, built of very heavy metal and buried under ground with all pipes so placed as to drain back into tank, is the very best provision possible.

There is but one opening in the tank, and this is the filler pipe, which is provided with a very heavy screw cap and locking device. The pump also has a locking device so that the gasoline is accessible to those only who have the keys.

It has seamless brass tubing for cylinders, three heavy brass valves, two-way nozzles, packing box, automatic vent and brass plunger rod.

No. 400 OUTFIT WITH MODEL "S" PUMP.

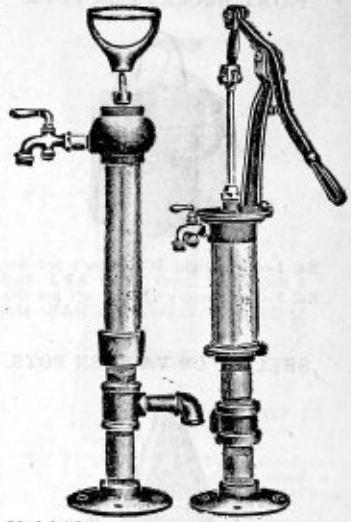
No.	Gauge	Cap. Gal.	Diam. In.	Lgth. In.	W't Lbs.		Each
400	18	60	24	30	135	CJDJ	$38.00
401	18	110	30	36	160	DJJJ	50.00
402	16	60	24	30	140	CIBJ	49.00
403	16	110	30	36	170	DHJJ	60.00
404	16	165	30	54	250	FJJJ	75.00
405	16	225	36	48	280	JGIIJ	100.00
406	16	300	42	54	310	AJCIE	130.00
407	14	60	24	30	160	DHJJ	60.00
408	14	110	30	36	190	EFJJ	70.00
409	14	165	30	54	275	FHJJ	85.00
410	14	225	36	48	320	JIBJJ	115.00
411	14	300	42	54	395	AAFJJ	145.00

No. 500 OUTFIT WITH MODEL "H" PUMP.

Including Galvanized Iron Tank, Filler Pipe with Cap Fitted with Hasp and Staple for Locking, Vent and Suction Pipe with Fittings.

No.	Gauge	Cap. Gal.	Diam. In.	Lgth. In.	W't Lbs.		Each
500	18	60	24	30	155	CGHJ	$50.00
501	18	110	30	36	180	DFIJ	62.00
502	16	60	24	30	160	DEEJ	61.00
503	16	110	30	36	190	EEFJ	72.00
504	16	165	30	54	270	FCGJ	87.00
505	16	225	36	48	300	JHIFJ	112.00
506	16	300	42	54	330	AACFJ	142.00
507	14	60	24	30	180	EGFJ	72.00
508	14	110	30	36	210	FEFJ	82.00
509	14	165	30	54	295	JGJGJ	97.00
510	14	225	36	48	340	AJAFJ	127.00
511	14	300	42	51	385	ABEFJ	157.00

For self-measuring pump attachment measuring gallons, half gallons, and quarts, add $90.00 to above lists.



Model "S." Model "H."

MODEL "S."

Straight lift pumps. Easily operated. Made for use in connection with long-distance underground storage outfits. Brass cylinder, piston rod and valve. Brass lever handle, ground key bibb for hose connection.

Each .....**ADDE** $18.00

MODEL "H."

This pump has been examined and tested by the National Board of Fire Underwriters for the United States, and listed among the permitted systems. This means no trouble from an insurance standpoint.

Rust proof materials, extra heavy brass cylinder and valves. Rapid in operation, discharging five gallons in less than a minute. Has a special priming chamber, guaranteed to retain priming constantly and to draw oil quickly regardless of distance between pump and tank.

Each .....**BGBJ** $34.00

GARAGE OR WATER TANK PAILS.



No. 5P—5 gal., 20 gauge, leaded plate, w't 8 lbs. .....each **DCJ** $5.40

Double seamed and soldered pouring spouts, heavily reinforced, made of leaded plate which resists acids better than tin or galvanized iron, will not crack or peel off, the leaf forming a perfect amalgam.

SPRAYING MACHINES AND ACCESSORIES.

FOR WHITEWASH AND COLD WATER PAINTS.



No. 0200—Capacity equal to work of 2 or 3 men with brushes in same time, galvanized iron tank, capacity 3 gallons liquid, equipped with3 feet discharge hose, ⅛ in. shut-off cock, 1 "Star" spray nozzle, w't crated 16 lbs., each .....**JFCJ** $10.50

This machine is provided with strap so that it can be carried on shoulder.



No. H—Capacity equal to work of 5 men with brushes in same time, galvanized iron tank, capacity 3 gallons liquid, one spray cock and nozzle and 10 ft. ⅜ in. "Star" special discharge hose, net w't 15 lbs., w't crated 20 lbs., each .....**JIJJ** $14.00

This machine is made of heavy material and all joints are well riveted and soldered. It is adapted for residences, barns, dairies, poultry yards, gardens, etc., and can be used for many other purposes. It has bail handles, and is portable.

Our sprayers are adapted for spraying any liquid which can be formed into a spray, including all insecticides used on trees and plants, i. e., Paris Green Solution, Arsenate of Lead Solution, Bordeaux Mixture, Lime Sulphur Solution, Kerosene Emulsion, Whale Oil Soap Solution, White Wash, Cold Water Mineral, Graphite and Oil Paints. Not adapted for oil paints containing zinc or lead.



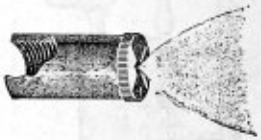
No. D—Capacity equal to work of 8 men with brushes in same time, one spray pipe complete with cock and nozzle, one extra spray tip, one 200 pound pressure gauge, one special galvanized sieve, one follower wrench, one suction hose and 10 ft. ½ in. "Star" special discharge hose, net w't 50 lbs., w't crated 90 lbs., each .....**BBEJ** $37.50

This machine is especially adapted for nurserymen, gardeners, etc. In country towns or on farms in addition it affords means of testing traction engine boilers, steam gauges, etc.

NOZZLES.



No. 308—"Bordeau," adapted for spraying "Bordeau" mixture and other insecticides, can be regulated to throw either fine or heavy fan shaped spray, easily cleaned by turning plug across opening, cut for ¼ in. pipe thread, and will fit all "Star" spray pipes, for use on large machines ..each **JIE** $1.60



No. 16—"Star," regular nozzle furnished with all machines, guaranteed to give satisfactory results...each **EJ** $0.80



No. 305—"Star," improved Vermoral fruit spray nozzle, non-clogging, especially adapted to fruit growers', florists' and gardeners' uses and for whitewashing .....each **JIE** $1.60

This nozzle can be used with all sprayers illustrated on this page.

EXTRA TIPS.



No. 8—Extra steel spray tips, each .....**AD** $0.24

These machines are guaranteed to successfully handle and give satisfactory service with properly prepared white wash, any of the cold water, mineral or graphite paints offered on the market, or any that can be formed into a fine spray or mist. They are not recommended for use with heavy oil paints, that is those whose base is white or red lead mixed with heavy linseed oil. These ingredients, being of a sticky, gummy nature, clog up and prevent spray working satisfactorily. This is also true of all spray nozzles with which we are familiar, and this means all of them.

GASOLINE TORCHES.

The pick from the best work of the leading torchmakers. The experienced torch user knows the economy in time, trouble, and delay saved by specifying the higher grade of torches.



No. 16-P—Quart size, polished brass tank, pump in handle embracing spring check valve in its construction, air tube leading from bottom of pump to top of tank removing possibility of gasoline escaping through pump, burner produces on ideal blue flame, w't 5 lbs.....each **DBJ** $7.00

ONE IN A BOX.



No. 116-P—Quart size, detachable soldering iron holder, seamless tank of drawn brass, burner of bronze metal, patented automatic brass pump with double springs, w't each 5 lbs., each .....**CJJ** $5.00

ONE IN A CARTON.



No. 207—Quart size, detachable soldering iron hook and support, pump in handle, tank of reinforced heavy seamless drawn brass, brass pump, automatic in action, double springs, burner high grade bronze metal, w't each 4 lbs. .....each **CBJ** $5.30

Light in weight and well balanced, double springs makes it far superior to single spring pump.

Produces a blue frame of intense heat.

ONE IN A CARTON.



REVERC "Never Clog."

No. 25P REVERC—Quart size, heavy brass reinforced tank, powerful generator, height 9¼ in., diameter 4 in., w't 5 lbs. .....each **CCJ** $6.00

The REVERC *needle is not a valve, as in ordinary torches, but a cleaner, the valve being formed by the shoulder of the needle holder on the shut-off screw shaft. Low V shaped soldering copper holder always ready—yet never in the way. Valve shaped to take up "wear," yet can be replaced in three minutes if necessary. No stop-cock, but automatic pressure valve—made simply—cannot get out of order. Shell is of very heavy drawn brass absolutely rigid where burner is set—this is a weak spot with ordinary torches.*



No. P47. No. P48.

No. P47—Automobile, pint size, 1⅞ in. thick x 5 in. long and 5 in. high, fitted with an especially light burner, yet sufficient to generate a powerful blue flame, automatic pump forming part of handle, tank fitted with brackets to prevent overturning, w't 4¾ lbs., each .....**DEJ** $7.50

No. P48—Pint size, burner fitted with hook and support for holding soldering coppers, w't 5¼ lbs., otherwise same as No. P47 .....each **DHJ** $8.00

ONE IN A BOX.



No. 32-P. No. 33-P.

No. 32-P—Quart size, heavy gauge brass tank, automatic brass pump, hook and support on burner for holding soldering copper, produces an intensely hot blue flame, w't 5 lbs., each .....**DHJ** $8.00

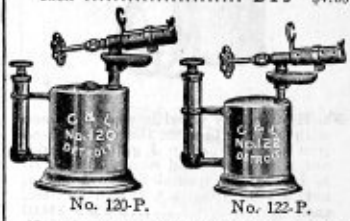
No. 33-P—Quart size, adjustable soldering iron holder, pump located in tank, otherwise same as No. 12-P in next column, w't 6 lbs....each **DBJ** $7.00



108-P. 63-P.

No. 108-P—Quart size, light and well balanced, w't 5 lbs., each .....**CDJ** $5.70

No. 63-P—Quart size, fitted with back flow under generator burner, pump screws into tank and is equipped with automatic check valve, w't 5¼ lbs., each ..... **BIJ** $4.80



No. 120-P. No. 122-P.

No. 120-P—Quart size, one-piece polished brass tank, brass air pump in handle, round burner with double shouldered needles and wood handle regulator, brass handle, pump has check valve which closes off the air automatically after each stroke of the plunger, w't 5¾ lbs., each .....**BHJ** $4.00

No. 122-P—Pint size, w't 4¼ lbs., otherwise same as No. 120-P, each .....**BDJ** $3.50

The soldering copper attachment, illustrated above, is supplied with torches Nos. 120-P and 122-P free of charge.

These torches are offered to meet the demand for a low priced tool.

ONE IN A BOX.

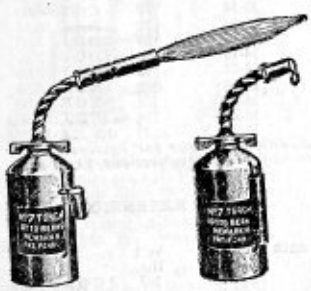
BLOW TORCHES, HEATERS, PAINT MILLS AND KITS.

GASOLINE BLOW TORCHES.



"IMP," all brass nickel plated, starts with a match, entirely automatic, no pump or valve, corrugated neck, burns two hours from one filling, heats a soldering copper or takes the place of one, mailable.....each **ABJ** $2.00

Hotter than many larger torches. Used for either hand or bench work. Produces perfect Bunsen flame with a temperature of 2000 degrees Fahrenheit. Can't get out of order. After severe tests it has been adopted for use on the telegraph and telephone lines, for a quick, cheap, clean, intense ***heat.***



No. 7P—With cork lined cap, cleaner wire and holder, w't 6 oz., starts with match, burns three hours on one filling, nozzle held on side of body when not in use .....each **ABJ** $2.00

ALCOHOL BLOW PIPES OR TORCHES.

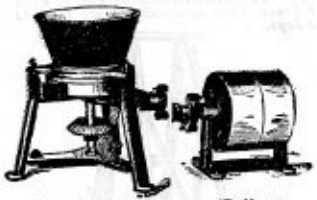


No. 28-P—1¾x7 in., polished brass, nickel plated, a large filler on the side makes the tank easy to fill, a small cap covers the wick when not in use, protects it from dirt and prevents the evaporation of the fuel, shipping w't each 1 lb., each.... **ADJ** $2.30

Made to meet the demand for an efficient alcohol blow pipe or torch at a low price. The alcohol is fed to the burner by a good sized wick and the rubber tube that connects with a small brass blow pipe enables the user to blow an air blast into the burning alcohol, producing a fine pointed flame of intense heat, excellent for soldering, etc. It is the ideal torch for electrician's and jeweler's use or for any work requiring a pointed, concentrated flame.

ONE IN A CARTON.

PAINT MILLS.



Nos. 1 and 0. 'Pulleys.

No. 1—Power, hopper 8 in. high, 14 in. across top, hopper holds 3 gal., w't 118 lbs.★ .....each **AHJJ** $30.00

No. 1W—Water cooled, otherwise same as No. 1★ .....each **BEBJ** $42.00

No. 0—Mammoth, with cast or sheet iron hopper, as ordered, 16 in. across top, diam. of nut 14 in., hopper holds 9 gal., w't 155 lbs.★ each **CCFJ** $56.00

No. 0W—Water cooled, otherwise same as No. 0 ★.....each **CHDJ** $64.00

Fly Wheels, for No. 2 mill, diam. 15 in., w't 16 lbs.★..each **CJJ** $5.00

Medium Stands and Pulleys, suitable for driving No. 2 mill, w't 40 lbs., each★ .....**JGEJ** $12.50

Power Stands and Pulleys, suitable for driving Nos. 1 and 0 mills, diam. 12 in., with 5 in. face, w't 84 lbs., each★ .....**AJHJ** $18.00

No. 4—Hand, hopper 4¾ in. high, 5 in. across top, diam. of nut 5¾ in., hopper holds 1 qt., w't 15 lbs., each★ ..... **FJJ** $8.00

No. 2—Hand or power, hopper 6 in. high, 8 in. across top, diam. of nut 7¾ in., hopper holds 1 gal., w't 40 lbs., each★ ..... **JIFJ** $12.00

KENNEDY KITS FOR TOOLS.

The All Steel Grips that can't wear out.

Made of special toughened steel, 26 gauge. Reinforced throughout with double forming and double seaming.

Extra wiring and bracing, electric welding, solid riveting to stand wear and tear much better than the average tool kit.

Finest locks and hardware trimmings. Full size Leather handles, reinforced with steel cores. Three coat baked enamel, black or brown. Solid brass corners, heavy side catches. Disappearing waterproof hinges. Will not buckle or get out of shape carrying the heaviest tools.

Thief proof—cannot be cut open or carried away when locked and chained.

Cannot soak up, rot, warp or tear.

STANDARD BAGS, PLAIN.



For Painters, Decorators, Calciminers, Paper Hangers, Etc.

No.	Length. in.	H'ght, in.	Thick-ness, in.	W't lbs.		Each.
316	16	11	9	5½	**CAE**	$3.75
318	18	13	10	6½	**CCE**	4.00

Fitted with Yale notch locks, waterproof and air tight. Keeps clothing and equipment clean and dry. Indispensable to painters.

STANDARD SUIT CASES.



For Plasterers, Masons, Bricklayers, Cement Workers, Etc.

No.	Length. in.	H'ght, in.	Thick-ness, in.	W't lbs.		Each.
420	20	14	8	6½	**CEE**	$4.25
422	22	12	6½	7	**CCE**	4.00
424	24	14	8	8	**CHJ**	4.50

Fitted with Corbin notch locks. Being waterproof are especially suited for plasterers' will not soak up and warp out of shape, keep tools dry and last a lifetime. Made large enough to take 12 to 14 inch hooks and largest trowels. Easily washed, cleaned and dried. Lime cannonot eat casing and contents. Looks like a suit case and is as ligtht in weight.

LADDERS.

STEP.



STANDARD.

Nos.	74	75
Length, ft.	4	5
W't, lbs.	10½	13
Each	$0.80	1.00
	DC	JEB
Nos.	**76**	**77**	**78**
Length, ft.	6	7	8
W't, lbs.	15½	18	22
Each	$1.20	1.40	1.60
	JFB	JGA	JHJ

STANDARD, with Shelf.

Nos.	64	65	66
Length, ft.	4	5	6
W't, lbs.	11	13	17
Each	$1.00	1.20	1.40
	JEC	JFC	JGB
Nos.	**67**	**68**
Length, ft.	7	8
W't, lbs.	21	22
Each	$1.60	1.80
	JHB	JIA



POPULAR.

Rods Under Alternate Steps, Steel Lag Spreaders, with Shelf.

Nos.	54	55	56	57	58
Lgth, ft.	4	5	6	7	8
W't, lbs.	11	12½	15	17½	20
Each	$1.05	1.30	1.56	1.80	2.10
	JFJ	JHJ	JIE	AAJ	ABE

A safe ladder at a popular price.

STEP.



IXL IMPROVED, Extra Well Braced.

Nos.	44	45	46	47
Length, ft.	4	5	6	7
W't, lbs.	12	14	17	22
Each	$1.70	2.25	2.75	3.00
	AHJ	BCJ	BGE
Nos.	**48**	**410**	**412**
Length, ft.	8	10	12
W't, lbs.	24	33	39½
Each	$3.50	4.50	5.00
	AHJ	BCJ	BGE

Malleable iron brackets and leg hinges, anchor irons under each step to prevent spreading, corner irons over end of each leg brace, new spreading brace to hold the legs.

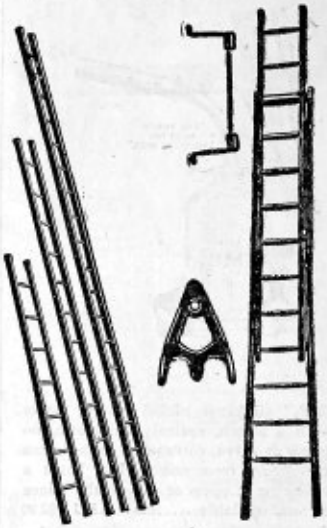


CRUSO STERLING, with Shelf, Extra Well Braced, Iron Truss Rod Under Each Step Running from Side to Side and Over a Truss Block.

Nos.	34	35	36	37
Length, ft.	4	5	6	7
W't, lbs.	14	17	19½	21
Each	$2.00	2.75	3.30	3.85
	AJJ	ABE	AEJ	AGE
Nos.	**38**	**310**	**312**
Length, ft.	8	10	12
W't, lbs.	25½	36	41
Each	$4.40	5.50	6.60
	BJE	BEJ	CJJ

Has wide steps, heavy sides and legs, and is well finished throughout. Has an absolute support for step.

COMMON AND EXTENSION.



Common. Extension.

COMMON.

Length, ft.	10	12	14
W't, lbs.	25	30	35
Each	$2.00	2.40	2.80
	AAE	ACE	AEE
Length, ft.	**16**	**18**	**20**
W't, lbs.	40	45	50
Each	$3.20	3.60	4.00
	AHJ	BBJ	BEJ

These ladders are well made of good material, the term common being used to designate the style of ladder and does not refer to the quality.

2 Section EXTENSION.

Length ft.	Length of Sections ft.	W't lbs.		Each.
20	8-12	60	CAJ	$5.00
22	10-12	66	CDJ	5.50
24	10-14	72	CGJ	6.00
26	12-14	78	DAJ	6.50
28	12-16	84	DDJ	7.00
30	14-16	90	DGJ	7.50
32	14-18	92	EAJ	8.00
34	16-18	102	EDJ	8.50
36	16-20	108	EGE	9.00
38	18-20	114	FBJ	9.50★
40	18-22	120	JFFJ	12.00★

Additional charge for ladders shorter than 42 feet in three sections, $1.40 each.

3 Section EXTENSION.

Length ft.	Length of Sections ft.	W't lbs.		Each.
42	16-14-12	147	JGGE	$12.60★
46	16-16-14	161	JHCE	13.80★
50	20-16-14	175	JIAJ	14.50★
54	20-18-16	190	JIHE	15.50★
58	20-20-18	210	AJFJ	16.50★
60	20-20-20	215	AAIJ	17.00★

Forty-two feet and longer furnished in three sections only.

★*FOR FACTORY SHIPMENT ONLY, CHICAGO, ILL.*

PAINTERS' LADDERS, TRESTLES, JACKS, ETC.

STEP LADDERS.



Showing Steps Bolted to Standards.

Nos.	14	15	16	17
Length, ft.	4	5	6	7
W't, lbs.	14	17	20	24
Each	$2.90	3.60	4.30	5.05
	AGE	BAE	BFJ	CJJ
Nos.		18	110	112
Length, ft.		8	10	12
W't, lbs.		27	36	45
Each		$5.75	7.20	10.10
		CDE	DCJ	JFJE

The front standards of the ORVONOC are made of hardwood, straight grained maple or birch. The steps are of poplar or basswood, and the back standards of clear spruce. The steps are locked to the standards by means of bolts which are clamped by malleable clips under the head and nut. All danger of splitting the wood is positively eliminated by this arrangement.



Heavy Brace, Heavy Basswood, Japanned with Shelf, Natural Iron Steps Finish, Spreading Braced by Wooden Supports.

Nos.	23	24	25	26
Length, ft.	3	4	5	6
W't lbs.	10	14	17	20
Each	$1.60	2.15	2.70	3.25
	JIE	ACJ	AFJ	AIE
Nos.		27	28	210
Length, ft.		7	8	10
W't, lbs.		23	27	35
Each		$3.80	4.30	5.40
		BBE	BFJ	CBE

The ORVONOC is made of the same grade material as the ORVONOC, except that special nails are used in the steps instead of bolts.

PAINTERS' LADDERS.



FAVORITE, Carefully Selected Extra Heavy Stock, Legs Fold Outside of Sides, Iron Straps on Side and Front of Each Step, Iron Braces on Sides and Back of Each Step, Corner Irons on End of Each Brace and Legs, Braced at Every Point and Folds More Compactly Than Any Other Ladder.

Length, ft.	5	6	8	10
W't, lbs.	15	17	24	30
Each	$1.80	2.10	2.60	3.50
	AJE	ABE	AEE	BAJ

PAINTERS' TRESTLES.

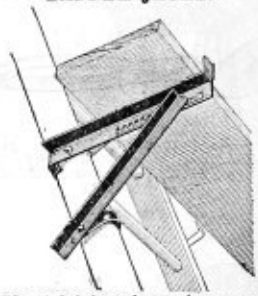


Clear Norway Pine, Put Together at Head with Wrought Iron Screw Bolts, Making Hinge and Solid Joint, Hickory Rungs Secured by Long, Heavy Screws.

Length, ft.	7	8	10	12
W't, lbs.	31	36	46	53
Each	$3.20	3.60	4.50	5.40
	AIJ	BAE	BGJ	CBE

Price includes both sides.

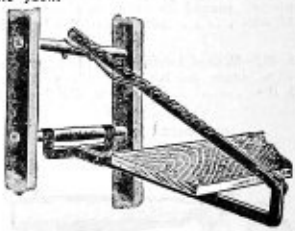
LADDER JACKS.



ORVONOC—1½x1½ angle steel, guaranteed to hold 1000 lbs., fold into small compass convenient for carrying, attach on standards of ladder, self-locking, adjustable to any standard make ladder, w't per pr. 9 lbs., per pair .....BDJ $4.00

As the ORVONOC Ladder Jacks attach on the standard of the ladder they are the strongest and safest ladder jack made. All other ladder jacks attach on the rungs of the ladder and are therefore only as strong as the weakest rung of the ladder.

The ORVONOC may be raised or lowered to any height or angle, in a minute's time without removing the plank from the jack.



Adams, wrought iron, double hook, adjustable, w't per pr. 21 lbs., per pair .....CCJ $5.50

With this jack it is always possible to secure a level footing.

EXTENSION PLANKS.



No. 2—Ajax, 12 in. wide, 1¼x1¼ in. strips, Southern pine, ironed and riveted, length closed 8 ft., length extended 14 ft., w't 42 lbs., each .....DEJ $75.00

Adjustable to any space, do not spring or warp, lie even and afford a firm footing stronger and lighter than planks; can be carried up any stairway.

CORNICE HOOKS.

Heavy .....per pair EGE $9.60
Common .....per pair DHJ 8.00

PAPER HANGERS' TOOLS AND ACCESSORIES.

ROTARY WHEEL KNIVES.



No. 9—Base trimmer, 1⅛ in., plain blade, iron handle, w't per doz. 3½ lbs., ...per dozen **BGJ** $5.00

ONE DOZEN IN A BOX.



No. 10—Wheel knife, 1½ in. blade, smooth edge, polished wood handle, nickel plated ferrule, w't per doz. 3 lbs. .....per dozen **BGJ** $4.50

No. 12—Wheel knife, 2 in. blade, otherwise same as No. 10, w't per doz. 3 lbs., per dozen .....**CFJ** $6.00

No. 010—Wheed knife, 1½ in. blade, serrated edge, polished wood handle, nickel plated ferrule, w't per doz. 1¾ lbs. .....per dozen **BGJ** $4.50

No. 012—Wheel knife, 2 in. blade, otherwise same as No. 010, w't per doz. 3 lbs. .....per dozen **CFJ** $6.00

ONE DOZEN IN A BOX.



No. 13—Fitted with thumb and finger guards, knife beveled from the center making it easy to sharpen, w't per doz. 2¾ lbs. ....per dozen **DHJ** $8.00

This knife revolves on a journal, giving it an easy motion and insuring longer service than knives which revolve on shoulder screws



No. 15—Milled wheel and knife, serrated edge circular cutter, fluted edge knife cutter, w't per doz. 4 lbs., per dozen .....**DEJ** $7.50

ONE HALF DOZEN IN A BOX.

SEAM ROLLERS.



No. 23—1¼ in. hardwood roller, polished wood handle, nickel plated ferrule, w't per doz. 2½ lbs., per dozen .....**ABJ** $2.00



No. 24—1¼ in. roller, polished wood handle, nickel plated ferrule, w't per doz. 2½ lbs.....per dozen **AEJ** $2.50

ONE IN A BOX.



No. 263—2 in. flat face rosewood roller, hardwood handle, nickel plated ferrule, w't per doz. 3¼ lbs., per dozen .....**BGJ** $4.00

ONE DOZEN IN A BOX.

FOLDING PASTE TABLES.



Ridgely's.

Nos.	11	12
Length, ft.	7	8
Each	$78.00	84.00
	DFHJ	**EJDJ**

The top is in four pieces riveted together with patent corrugated rivets and glued. (This is done to prevent dishing, as is invariably the case when one board 11 in. wide is used.) It folds up intact without a hook or button to manipulate.

To extend for wide goods insert three rods in the holes in back. Will not warp or dish.

AVERAGE W'T 16 TO 20 LBS.

FOLDING BOARDS.



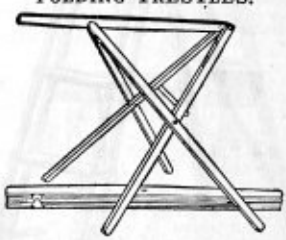
Ridgely's.

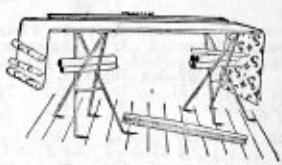
No. 8—Length 7 ft., per dozen .....**BJIJ** $28.80

⅞ in. thick, 23 in. wide, 11½ in. closed, made in four boards riveted with patent corrugated rivets and glued to prevent dishing (which always occurs in a single board 11½ in. wide), four battings to prevent warping, and hinged with three hinges.

AVERAGE W'T 9 LBS.

FOLDING TRESTLES.





Showing Trestle in Use in Connection with Paste Board.

No. 60—Improved, without board, w't per pair 4½ lbs. ..per pair **ABJ** $1.96

Folds compactly, forming a bundle 40 in. long and 2½ in. square.

ONE DOZEN PAIRS IN A CRATE.

GLAZIERS' DIAMONDS, GLASS BOARDS AND CUTTERS.

PLATE GLASS DIAMONDS.



H. S. B. & Co.'s "Sure Cut."

No. 400—H. S. B. & Co.'s "Sure Cut," nickel plated head, lignumvitae handle, length 4½ in., per dozen .....**ABIFJ** $216.00

The best and most serviceable Diamond offered, especially designed for any heavy work on plate, rough and wire glass or sheet. Requires no especial skill and never fails to make a clean, sure cut.

CAUTION—When using a diamond, never cut twice in the same place.

GLAZIERS' DIAMONDS.

Best Quality English Cape Diamonds, Rosewood Handle, Length 3¾ Inches.

No. 101—For cutting single strength glass .....per dozen **DCBJ** $72.00

No. 102—For cutting double strength glass .....per dozen **JFDHJ** $108.00



No. 103—Polished steel, rosewood handle, length 3¼ in., per dozen .....**EJDJ** $84.00

For general use on ordinary glass, for gardeners, farmers, and where a diamond is occasionally needed. Can be carried in the vest pocket.



No. 104—Polished steel, rosewood handle, length 7½ in., per dozen .....**JGEFJ** $126.00

Adapted to single and double thick glass, well suited to heavy work and where a reliable article for constant use is necessary.

No. 300—H. S. B. & Co.'s polished steel, rosewood handle, length 6½ in., set with heavy diamond, will cut single and double strength glass, per dozen .....**EGFJ** $96.00

This pattern of diamond has been devised for the use of cutters who prefer a thin, light handle, and is becoming very popular. It is set to cut at an angle of about 65 degrees, will be found perhaps easier for beginners to cut with than some patterns that have been used heretofore.

ONE IN A BOX.

GLASS CUTTERS.



No. 200 Superior—Nickel plated head and ferrule, turret holder, six hand honed wheels, rosewood finish handle, length 5½ in.....per dozen **BGJ** $4.50



Cruso—All steel, red finished handle, good cutting wheel, per dozen .....**JGJ** $1.20

This is a good grade tool at a moderate price.

Each cutter wrapped in oil paper.

ONE DOZEN IN A PASTEBOARD BOX.



No. 5—Red Devil, red handle, 5 extra wheels in head of cutter, length 5¾ in. .....per dozen **BGJ** $5.00

ONE IN A BOX.

No. 05—Extra wheels, per dozen .....**JGJ** $1.20



No. 024—Red Devil, red iron handle, hand honed wheels, length 4¼ in., per dozen .....**JIJ** $1.50

No. 0024—Extra wheels, per dozen .....**JGJ** $1.20



No. 85—Red Devil, polished metal, ebony handle, length 5½ in., warranted to cut 500 yards, per dozen .....**AGJ** $2.80

No. 085—Extra wheels, per dozen .....**JGJ** 1.08



No. 60—Cast metal, polished head, japanned handle, 5 in., per dozen .....**EE** $0.90

No. 1—Full polished metal, extra quality, length 5 in., per dozen **AEJ** $2.50

No. 01—Extra wheels, per dozen .....**JGJ** $1.20



No. 75—Trojan, self-oiling, red iron handle, extra good wheel, length 5 in., per dozen .....**ABJ** $2.00

The handiest tool on the market. A piece of felt, saturated with oil, in a small cavity behind the wheel keeps the wheel blade oiled, thus preventing the chipping of the glass.



No. 11—Karelson's, nickel plated, ebony handle, length 3½ in., suitable for use on ordinary glass, per dozen .....**EJDJ** $84.00

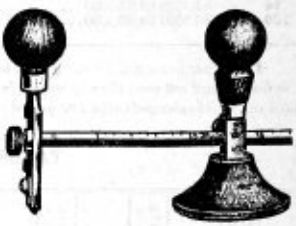
ONE DOZEN IN A BOX.

GLASS CUTTERS.



No. 14—Karelson's, nickel plated, cocoa handle, length 7¼ in., a reliable article for constant use on single or double thick glass or heavy work, per dozen .....**JHBHJ** $138.00

For general use by glass stainers and dealers in glass, especially adapted for a single, double or triple thickness and where a diamond for heavy work is constantly required.



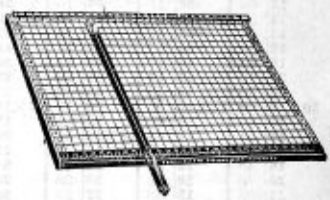
No. 777—Adjustable for cutting circles 2 to 22 in. in diam., nickel plated frame, walnut wood handles and base, cutting wheel easily replaced when worn .....per dozen **ADDJ** $24.00

No. 0777—Extra wheels, per dozen .....**JHE** 1.08

No. 776—Similar to No. 777, for cutting circles from 2 to 18 in. in diam., nickel plated frame, japanned wood handle and base, length 9½ in., per dozen .....**CCJ** $8.75

ONE IN A BOX.

THE "PERFECTION" GLASS BOARD.



With Improved Adjustable Straight Edge.

Size 36x54 in., made of narrow strips of well seasoned lumber, ruled both ways in even inches, has a steel at the front graduated in inches and eighths, w't 75 lbs., each **AFAB** $26.80

Enables a merchant to cut glass mathematically accurate in inches or fractions. The straight edge is fitted with a very simple device by which it can be moved forward or backward and can be fixed by means of a set screw at any point desired.

Each board is packed securely to protect it from injury in transit.

Single Strength ..... I J ⅝
Double Strength ..... I J-A J ⅝

AMERICAN WINDOW GLASS.

Revised Price List. Adopted March 1, 1913. Per Box of 50 Square Feet.

UNITED INCHES.	SIZE, INCHES.	SINGLE STRENGTH.				DOUBLE STRENGTH.		
		AA	A	B	C	AA	A	B
25	6 × 8 to 10 × 15	$35.00	$30.00	$28.50	$28.00	$46.00	$40.50	$38.50
34	11 × 14 to 14 × 20	36.50	31.00	30.00	29.00	50.00	44.50	42.00
40	10 × 26 to 16 × 24	39.00	33.00	31.00	30.00	55.00	48.50	44.50
50	18 × 22 to 20 × 30	42.50	37.00	34.50		61.00	54.50	51.00
54	15 × 36 to 24 × 30	44.00	38.00	35.00		62.50	56.00	52.00
60	26 × 28 to 24 × 36	45.00	40.00	36.00		64.00	57.00	53.50
70	26 × 34 to 30 × 40	48.00	43.50	39.00		68.00	61.00	56.00
80	32 × 38 to 30 × 50	54.00	49.50	43.50		73.00	66.50	60.50
84	30 × 52 to 30 × 54	57.00	52.50	47.00		74.50	68.00	62.00
90	30 × 56 to 34 × 56					78.50	72.00	66.50
94	34 × 58 to 34 × 60					80.00	73.00	68.00
100	36 × 60 to 40 × 60					93.00	85.00	80.00

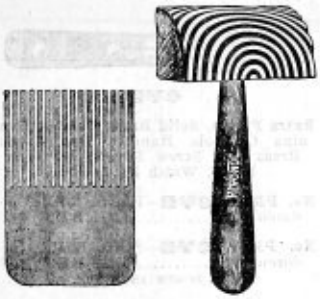
$10.09 per box extra for every 6 in. larger than above sizes. 10 per cent. additional for all glass more than 40 in. wide. All sizes above 52 in. in length, and not more than 81 united in., will be charged in the 84 united in bracket. All glass 54 in. wide or wider, not making more than 116 united in., will be charged in the 120 united in. bracket. We will send upon application a booklet giving list per box on each size, and single lights.

TABLE SHOWING NUMBER OF LIGHTS IN A BOX.

SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.	SIZES.	NO. LIGHTS PER BOX.
6 × 8	150	11 × 16	41	12 × 58	10	15 × 15	32	16 × 68	7	20 × 40	9	32 × 60	5	24 × 82	7	28 × 42	6	30 × 70	3	34 × 46	5	36 × 84	5
7 × 9	114	18	36	60	10	16	30	70	6	42	9	62	5	84	7	44	6	72	5	48	4	86	5
8 × 10	90	19	34	13 × 15	37	18	27	72	6	44	8	64	5	86	7	46	6	74	6	50	4	38 × 38	5
12	75	20	33	15	35	20	24	74	6	46	8	66	5	88	7	48	5	76	6	52	4	40	5
13	69	22	30	18	31	22	22	76	6	48	8	68	5	90	7	50	5	78	6	54	4	42	5
14	64	24	27	20	28	24	20	18 × 18	22	50	7	70	5	26 × 26	11	52	5	80	6	56	4	44	4
15	60	26	25	22	25	26	18	20	20	52	7	72	5	28	10	54	5	82	6	58	4	46	4
16	56	28	23	24	23	28	17	22	18	54	7	74	4	30	9	56	5	84	6	60	4	48	4
18	50	30	22	26	21	30	16	24	17	56	6	76	4	32	9	58	4	86	6	62	3	50	4
20	45	32	20	28	20	32	15	26	15	58	6	78	4	34	8	60	4	88	5	64	3	52	4
9 × 11	73	34	19	30	18	34	14	28	14	60	6	80	8	36	8	62	4	90	5	66	3	54	4
12	67	36	18	32	17	36	13	30	13	62	6	82	8	38	7	64	4	32 × 32	7	68	6	56	3
13	62	38	17	34	16	38	13	32	13	64	6	84	8	40	7	66	4	34	7	70	6	58	3
14	57	40	16	36	15	40	12	34	12	66	5	86	8	42	7	68	4	36	6	72	6	60	3
15	53	42	16	38	15	42	11	36	11	68	5	88	7	44	6	70	4	38	6	74	6	62	3
16	50	44	15	40	14	44	11	38	11	70	5	90	7	46	6	72	4	40	6	76	6	64	6
18	44	46	14	42	13	46	10	40	10	72	5	24 × 24	12	48	6	74	7	42	5	78	5	66	6
20	40	48	14	44	13	48	10	42	10	74	5	26	12	50	6	76	7	44	5	80	5	68	6
22	36	50	13	46	12	50	10	44	9	76	5	28	11	52	5	78	7	46	5	82	5	70	5
10 × 12	60	12 × 12	50	48	12	16 × 16	28	46	9	78	5	30	10	54	5	80	6	48	5	84	5	72	5
13	55	13	46	50	11	18	25	48	8	80	5	32	9	56	5	82	6	50	5	86	5	74	5
14	51	14	43	14 × 14	37	20	23	50	8	82	9	34	9	58	5	84	6	52	4	36 × 36	6	76	5
15	48	15	40	16	32	22	20	52	8	84	9	36	8	60	5	86	6	54	4	38	5	78	5
16	45	16	38	18	29	24	19	54	7	86	8	38	8	62	4	88	6	56	4	40	5	80	5
18	40	18	33	20	26	26	17	56	7	88	8	40	8	64	4	90	6	58	4	42	5	82	5
19	38	19	32	22	23	28	16	58	7	90	8	42	7	66	4	30 × 30	8	60	4	44	5	84	5
20	36	20	30	24	21	30	15	60	7	22 × 22	15	44	7	68	4	32	8	62	4	46	4	86	4
22	33	22	27	26	20	32	14	62	6	24	14	46	7	70	4	34	7	64	4	48	4	40 × 40	5
24	30	24	25	28	18	34	13	64	6	26	13	48	6	72	4	36	7	66	3	50	4	42	4
26	28	26	23	30	17	36	13	66	6	28	12	50	6	74	4	38	6	68	3	52	4	44	4
28	26	28	21	32	16	38	12	68	6	30	11	52	6	76	7	40	6	70	6	54	4	46	4
30	24	30	20	34	15	40	11	70	6	32	10	54	6	78	7	42	6	72	6	56	4	48	4
32	23	32	19	36	14	42	11	72	6	34	10	56	5	80	7	44	5	74	6	58	3	50	4
34	21	34	18	38	14	44	10	74	5	36	9	58	5	82	7	46	5	76	6	60	3	52	4
36	20	36	17	40	13	46	10	76	5	38	9	60	5	84	7	48	5	78	6	62	3	54	3
38	19	38	16	42	12	48	9	30 × 20	18	40	8	62	5	86	6	50	5	80	6	64	3	56	3
40	18	40	15	44	12	50	9	22	16	42	8	64	5	88	6	52	5	82	5	66	6	58	3
42	17	42	14	46	11	52	9	24	15	44	7	66	5	90	6	54	4	84	5	68	6	60	3
44	16	44	14	48	11	54	8	26	14	46	7	68	4	28 × 28	9	56	4	86	5	70	6		
46	16	46	13	50	10	56	8	28	13	48	7	70	4	30	9	58	4	34 × 34	6	72	6		
48	15	48	13	52	10	58	8	30	12	50	7	72	4	32	8	60	4	36	6	74	5		
50	14	50	12	54	10	60	8	32	11	52	6	74	4	34	8	62	4	38	6	76	5		
11 × 12	55	52	12	56	9	62	7	34	11	54	6	76	4	36	7	64	4	40	5	78	5		
14	47	54	11	58	9	64	7	36	10	56	6	78	4	38	7	66	4	42	5	80	5		
15	44	56	11	60	9	66	7	38	9	58	6	80	8	40	6	68	4	44	5	82	5		

GRAINERS' AND PAPER HANGERS' TOOLS.

REVONOC GRAINING OUTFITS.



Comb. Grainer.

REVONOC—Consisting of one 3 in. rubber grainer, and one 3 in. steel graining comb, w't per doz. sets 4 lbs., per dozen sets .....**DHJ** $8.00

The rubber tool is especially adapted for use on floors. The corrugations are mounted on wood and cushioned.

ONE SET IN A BOX.

MAGIC GRAINING SETS.



Magic, consisting of one 3 in. rubber grainer and one 3 in. steel graining comb, w't per doz. sets 6 lbs., per dozen sets .....**DHJ** $8.00

Graining roll attached to wooden plug; any graining effect may be obtained by turning roll slightly on plug.

ONE SET IN A BOX.

GRAINING COMBS.



Taylor's, English blue steel, w't per set 12 oz. .....per set **ABJ** $2.00

PUT UP IN TIN CASES, CONTAINING 12 COMBS IN ASSORTED SIZES.

GRAINING TOOLS.



Improved Ridgely Grainers, 5 in a set, w't per doz. sets 15 lbs., per dozen sets .....**BCGE** $39.60

Works easily and quickly with one hand, flexible and conforms instantly to any unevenness that may be encountered in the surface being grained. A book of instructions "how to use and how to grain," accompanies each set. We do not break sets.

ONE SET IN A BOX.

PATENT GRAINING ROLLS.



Sets of three rolls, made of the best rubber, 5 in. long and 1½ in. in diam., w't per doz. sets 7¼ lbs., per dozen sets .....**AJAJ** $16.80

The corrugated roll imitates any known grain.

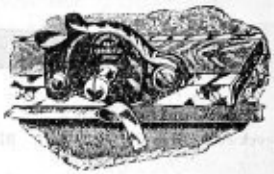
The vein roller reproduces quarter sawed oak.

The comb roller is used in the graining of plain woods as in stiles and rails.

THE UP TO DATE GRAINER, a valuable treatise, how to mix ground and graining colors and full directions, furnished FREE with every set.

ONE SET IN A BOX.

TRIMMING TOOLS.



Complete Outfits, Ridgely's Improved.

6 ft., complete outfit, consisting of trimmer, straight edge and zinc, w't complete about 5¼ lbs. ..each **DFJ** $8.00

7 ft., complete outfit, consisting of trimmer, straight edge and zinc, w't complete about 6¼ lbs...each **DIJ** $8.50

8 ft., complete outfit, consisting of trimmer, straight edge and zinc, w't complete about 7¼ lbs...each **EBJ** $9.00

EXTRAS OR REPAIRS.

Miscellaneous.

Trimmers only .....each **CFJ** $4.70

Trimmer Blades .....each **DF** .80

BRASS BOUND STRAIGHT EDGE FOR TRIMMER.



No. 25—6 ft. long, 3 in. wide, grooved to take trimmer, ruled edges, per dozen .....**CABJ** $45.00

No. 26—7 ft. long, otherwise same as No. 25 .....per dozen **CCJJ** $47.50

No. 27—8 ft. long, otherwise same as No. 25 .....per dozen **CDHJ** $50.00

Nos. 25, 26, 27, made exactly in the same manner as No. 6 with the exception of being bound on both edges with angle and channel brass, grooved to take trimmer, set with screws and heavy body finish.

AVERAGE W'T PER DOZEN 39 LBS.

PUTTY KNIVES.



Beechwood Handle, 3¼ Inch Blade, Width 1⅜ Inches.

No. P826-E —Elastic blade, per dozen .....ADE $2.50

No. P826-S —Stiff blade, per dozen .....ADE $2.50

Cocoa Handle, 3¾ Inch Blade, Width 1¾ Inches.

No. P926-E —Elastic blade, per dozen .....AEE $2.70

No. P926-S —Stiff blade, per dozen .....AEE $2.70

ONE DOZEN IN A BOX.



Extra Finish, Metal Bolster, Cocoa Handle, 3⅛ Inch Blade, Width 1¼ Inches.

No. P366-E —Elastic blade, per dozen .....AHE $3.20

No. P366-S —Stiff blade, per dozen .....AHE $3.20

ONE DOZEN IN A BOX.



Extra Finish, Steel Bolster, Cocoa Handle, 3⅝ Inch Blade, Width 1⅜ Inches.

No. P380-E —Elastic blade, per dozen .....BAE $3.70

No. P380-S —Stiff blade, per dozen .....BAE $3.70

Extra Finish, Steel Bolster, Cocoa Handle, 3⅝ Inch Blade, Width 2 Inches.

No. P0380-E —Elastic blade, per dozen .....BCJ $4.00

No. P0380-S —Stiff blade, per dozen .....BCJ $4.00

ONE DOZEN IN A BOX.



Extra Finish, Brass Bolster, Solid Cocoa Handle, 3½ Inch Blade, Width 1½ Inches.

No. P3000-E —Elastic blade, per dozen .....BCE $4.00

No. P3000-S —Stiff blade, per dozen .....BCE $4.00

ONE DOZEN IN A BOX.



Extra Finish, Cast Steel Blade, Cocoa Handle, 3⅝ Inch Blade, Width 1¼ Inches.

No. P3-E—Elastic blade, per dozen .....AJE $1.80

No. P3-S—Stiff blade, per dozen .....AJE 1.80

Extra Finish, Cast Steel Blade, Beechwood Handle, 3½ Inch Blade, Width 1¼ Inches.

No. P4-E—Elastic blade, per dozen .....JHE $1.50

No. P4-S—Stiff blade, per dozen .....JHE 1.50

ONE DOZEN IN A BOX.



Extra Finish, Solid Brass Bolster, Genuine Cocobola Handle, Two Large Brass Saw Screw Rivets, 3⅝ Inch Blade, Width 1⅜ Inches.

No. P381-E —Elastic blade, per dozen .....BFJ $4.50

No. P381-S —Stiff blade, per dozen .....BFJ $4.50

ONE DOZEN IN A BOX.



No. 382 —Extra heavy, stiff blade with chisel point, cocobola handle, 3¼ in. blade, width 1¼ in., w't per doz. 3 lbs., per doz. BAJ $3.50

For removing old hard putty and glass from sash, this knife has no equal.

ONE DOZEN IN A BOX.



J. RUSSELL & CO.'S, Extra Finish, Steel Bolster, Cocoa Handle, 3½ Inch Blade, Width 1¼ Inches.

No. P150-E—Elastic blade, per dozen .....BCE $4.10

No. P150-S—Stiff blade, per dozen .....BCE 4.10

ONE DOZEN IN A BOX.



Steel Ferrule, Enameled Hardwood Handle, 3⅝ Inch Blade, Width 1¼ Inches.

No. P10-E—Elastic blade, per dozen .....JGJ $1.20

No. P10-S—Stiff blade, per dozen .....JGJ 1.20

ONE DOZEN IN A BOX.

MAIL ORDER DEPARTMENT

Our constant attention in sixty years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

PAPER HANGERS' AND SCRAPING KNIVES, SPATULAS, ETC.

PAPER HANGERS' KNIVES.



Extra Fine Quality, Nickel Plated, Ferrule, Polished Hardwood Handle, 3⅝ Inch Blade, Width 1⅜ Inch.

No. P305 —Round point, per dozen ..... BDJ $4.00

ONE DOZEN IN A BOX.



No. P306 —Polished hardwood handle, nickel plated ferrule, 3⅝ in. blade, width 1⅜ in., square point, per dozen ..... BDJ $4.00

ONE DOZEN IN A BOX.

SCRAPING KNIVES.



STIFF POINT, Extra Finish, Solid Steel Bolster, Brass Rivets, Cocoa Handle.

No. P325-S —

Width, in.	2	2½	3
Per dozen	$7.50	8.00	9.20
	DEJ	DHJ	EEJ

No. P325-S —

Width, in.	3½	4
Per dozen	$10.50	12.00
	JFCJ	JGBJ

ELASTIC POINT, Extra Finish, Solid Steel Bolster, Brass Rivets, Cocoa Handle.

No. P325-E —

Width, in.	2½	3	3½
Per dozen	$8.00	9.20	10.50
	DHJ	EEJ	JFCJ

ONE-HALF DOZEN IN A BOX.

SCRAPING KNIVES.



Extra Finish, Metal Bolster, Brass Rivets, Cocoa Handle, 4⅛ Inch Blade.

No. P102½ —Width of blade 2½ in. ..... per dozen DBJ $7.00

No. P102 —Width of blade 3 in., per dozen ..... DEJ $7.50

No. P102-E —Elastic blade, width 3 inch ..... per dozen DEJ $7.50

ONE-HALF DOZEN IN A BOX.

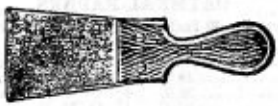


Fine Finish, Steel Bolster, Steel Rivets, Cocobola Handle, Length of Blade 4⅜ In.

No. 1062½ —Width of blade 2½ in. ..... per dozen BDJ $4.00

No. 1063 —Width of blade 3 in., per dozen ..... BHJ $4.70

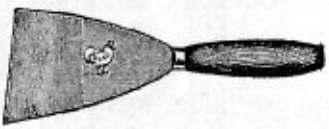
No. 1063½ —Width of blade 3½ in. ..... per dozen CCJ $5.50



CRUSO, Solid Beechwood Handle, Full Length 8½ Inches.

No. P33—Cruso, width 3 in., per dozen ..... JGJ $1.30

No. P34—Cruso, width 4 in., per dozen ..... JGJ $1.40



No. P101—CRUSO, enameled hardwood handle, full length 8 in., width of blade 3 in. ..... per dozen AJJ $1.70

ONE DOZEN IN A BOX.

SPATULAS.



Extra Finish, Finest Quality, Cocoa Handle, Steel Bolster, Flexible Blade.

No. P3803 —

Blade, in.	3	4	5	6
Per dozen	$4.00	4.30	5.00	6.00
	BDJ	BFJ	CJJ	CFJ

No. P3803 —

Blade, in.	7	8	9
Per dozen	$7.20	10.00	12.00
	DCJ	JFJJ	JGBJ

No. P3803 —

Blade, in.	10	12	14
Per dozen	$16.00	28.00	36.00
	JIFJ	AFHJ	BAFJ

ONE DOZEN IN A BOX.

PAPER HANGERS' SHEARS.



Japanned Handles, Finely Polished Blades.

No. P60 —

Length, in.	12	14
Per dozen	$34.00	44.00
	AAGJ	AEAE

ONE-HALF DOZEN IN A BOX.

Nickel Plated Handles, Finely Plished Blades.

No. P70 —

Length, in.	12	14
Per dozen	$34.00	44.00
	ACGJ	AGHJ

ONE-HALF DOZEN IN A BOX.



Japanned Handles, Nickel Plated Blades.

No. P160 —

Length, in.	12	14
Per dozen	$34.00	44.00
	JIFJ	ABJJ

ONE-HALF DOZEN IN A BOX.

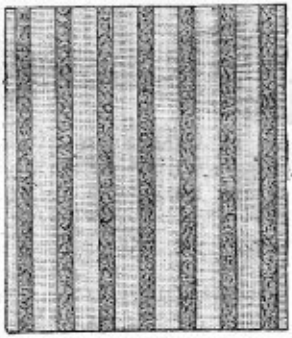
★*FOR FACTORY SHIPMENT ONLY.*

WALL PAPER.

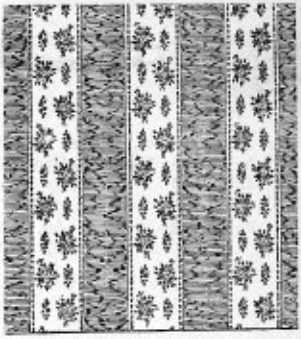
A Few Examples of Effects Which Can Be Produced. Before Ordering, Ask for Samples.



A tasty design for Parlors, Dining Rooms or Living Rooms.
Colors—Dark green background, light brown figures.



Simple, restful Bed Room design.
Colors—Cream stock, pink scroll design.



More elaborate for Bed Rooms, Halls or Living Rooms.
Colors—Tan and brown design, purple flowers.

1916 Pattern Wall, Border and Ceiling Papers. All Prices F. O. B. Chicago.

All of our wall paper is made in full length rolls, on standard weight paper or heavier, and will hang perfectly. Wall paper is put up in bundles of 25 bolts, or 50 single rolls, 8 yards to the roll. A bolt contains two single rolls of wall paper, 8 yards each.

When wall paper is ordered in full bundle lots of 50 single rolls of one pattern of sidewall with border and ceiling in proportion, we will allow a discount of 25% from regular prices.

Discount DJ%.

Pattern No.	Per 100 single rolls.
515-A—For kitchens	$14.00
511-A—Small floral for bedrooms	10.00
517-C—Small floral for bedrooms	15.00
527-A—For living rooms or parlors	12.00
543-C—Floral stripe for bedrooms	14.00
559-C—Floral stripe for living rooms	18.00
Cut-Out Border for No. 559-C	60.00
567-E—**Novelty design** for parlors	21.00
Cut-Out Border for No. 567-E	60.00
593-OA—Pulp Oatmeal for parlors	38.00

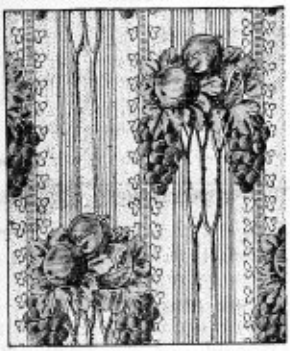
Pattern No.	Per 100 single rolls.
523-D —For halls or parlors	$16.00
519-DG—For dining rooms, halls or parlors	20.00
Cut-Out Border for No. 519-DG	28.00
533-E —For bedrooms or living rooms	15.00
Cut-Out Border for No. 533-E	28.00
585-A —For bedrooms	22.00
Cut-Out Border for 585-A	60.00
575-E —Fruit design for dining rooms	21.00
Cut-Out Border for No. 575-E	40.00

Pattern No.	Per 100 single rolls.
603-CG—For dining rooms	$23.00
Cut-Out Border for No. 603-CG	80.00
609-OG—Gold oatmeal for parlors	60.00
607-OD—Oatmeal for dining rooms.	60.00
Moire Ceilings Only.	
650-A	$13.00
650-E	15.00
650-F	14.00
650-G	15.00

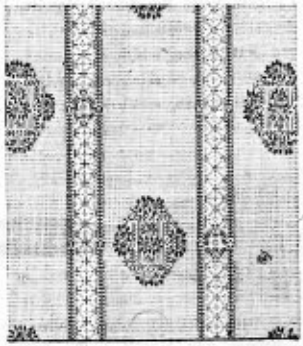
OATMEAL PAPERS.

All of our Oatmeal Papers are 30 Inches Wide and 8 Yards to the Roll, Two Rolls in a Bolt.

Color. No.	Per 100 single rolls.
O. M. 2—Brown	$30.00
O. M. 3—Green	30.00
O M. 5—Tan	28.00
O. M. 6—Golden Yellow	30.00
O. M. 7—Dark Green	$33.00
O. M. 8—Blue	31.00
O. M. 9—Buff	28.00
O. M. 61—Gray	28.00



Suggestive Dining Room design.
Colors—Tan stock, bright natural colors in fruit, ceiling in light color to harmonize.



More decorative Bed Room, Living Room or Parlor design.
Colors—Cream stock, blue flowers.



Formal Kitchen, Hall and Bathroom design.
Colors—Tan stock, brown and white design, ceiling to harmonize.

ASK FOR SAMPLES AND PRICES.





ELECTRICAL SUPPLIES

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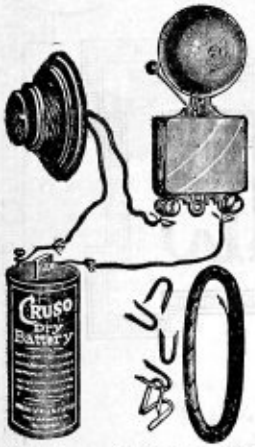
HIBBARD, SPENCER, BARTLETT & Co.
STATE STREET BRIDGE
CHICAGO.





ELECTRIC BELLS, BUZZERS, TRANSFORMERS, ETC.

ELECTRIC BELL OUTFITS.

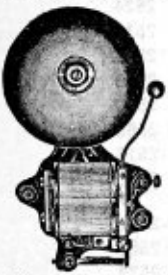


No. 26E—Cruso dry battery, 2¼ in., nickel plated, iron box bell, wood push button, ½ lb., 50 feet, annunciator wire, staples, etc., w't per set 3½ lbs. .....per set **JGJ** $1.75

Wiring diagram enclosed with each outfit.

ONE SET IN A BOX.

SKELETON BELLS.



Nickel Plated Bell Metal Gong.

Nos.	1961-E	1962-E	1963-E	1964-E
Diam., in.	3	4	5	6
W't ,lbs.	1½	1¾	3	3¼
Each	$2.08	2.34	3.32	3.60
	ACE	ADE	BAJ	BBE

Nos.	1966-E	1968-E	1969-E
Diam., in.	8	10	12
W't, lbs.	7	11½	15
Each	$6.00	9.60	12.00
	DJE	FCJ	JGJJ

No. 1964-E is the most salable size.

All parts are heavily nickel plated, giving the bell a beautiful appearance. The steel pivot works in two brass adjustable screws with lock nut. The contact and tension screws are both easy of adjustment and provided with a locking device. Selected hardened platinum is used for contacts. The best cast bell metal nickel plated gongs are used. They are especially adapted for hotels, fire alarms, railroad signals, public buildings, etc., as they have a powerful blow and clear ringing tone.

ONE IN A BOX.

ELECTRIC BELLS.



No. 525-E—2½ in., nickel plated, japanned iron box, w't ¾ lb., each .....**CJ** $0.48

No. 530-E—3 in., nickel plated, japanned iron box, w't 1 lb., each .....**CA** $0.50

No. 540-E—4 in., nickel plated, japanned iron box, w't 1½ lbs., each .....**DJ** $0.66

ONE IN A CARTON.

BUZZERS.



No. 2-E—Iron box, 2½ in., japanned, w't ½ lb., each .....**BH** $0.50

Contact points platinumized. Absolutely dust and bug proof. Will operate on one or two batteries.

ONE IN A CARTON.

BELL RINGING TRANSFORMER.



No. 600-E—Junior type, 24 watts, takes the place of batteries for bell ringing work on alternating current, 100 to 130 volts, 60 to 133 cycles, length 6 in., width 2½ in., height 2 in., w't 2½ lbs. .....each **AHJ** $2.50

They will not work on direct current. Simply connect to your electric light circuit.

Guaranteed to operate all standard type of door openers, at the same time will not register on the ordinary wattmeter, has larger capacity than any other small transformer on the market.

Data and prices on Toy and Type "B" Transformers on application.

ONE IN A BOX.

ELECTRICIANS' STAPLES.



No. 12E—½ in., coppered, per pound .....**AC** $0.25

No. 58E—⅝ in., coppered, per pound .....**AB** .25

No. 34E—¾ in., coppered, per pound .....**AB** .25

CHRISTMAS TREE OUTFITS.



No. 758E—8 lights, consists of an attachment plug, nine feet of mercerized cord, a connecting block, one circuit or **Festoon** 12 ft. long on which 8 sockets are wired in series, supplied with 8 lamps, 2 clear, 2 red, 2 green and 2 blue .....each **BAE** $3.00

No. 759E—16 lights, with two circuits or **Festoons** of 8 sockets each leading from the connecting block, supplied with 16 lamps, 4 red, 4 green, 4 clear and 4 blue, otherwise same as No. 758-E .....each **DCJ** $6.00

No. 760E—24 lights, with three circuits or **Festoons** of 8 sockets each, leading from the connecting block, supplied with 24 lamps, 6 red, 6 green, 6 clear and 6 blue, otherwise same as No. 758-E .....each **FEJ** $9.00

No. 761E—32 lights, with four circuits or **Festoons** of 8 sockets each, leading from the connecting block, supplied with 32 lamps, 8 red, 8 green, 8 clear and 8 blue, otherwise same as No. 758-E .....each **JHFE** $12.00

The attachment plug can be screwed into a socket of a lighting system of 100-120 volts in place of a lamp. The cord is of sufficient length to decorate any usual Christmas tree, table, mantle, etc., as may be desired.

These cannot be returned under any circumstances.

ONE OUTFIT IN A BOX.

BLAKE INSULATED STAPLES.

Full Size Cuts.



1 5 3 7

No. 741E—Size 1, ½ in., per 1000 .....**AGE** $2.90

No. 742E—Size 5, ⅝ in., per 1000 .....**AIJ** 2.90

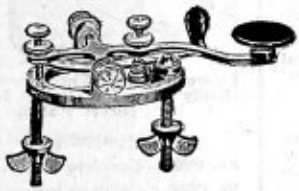
No. 743E—Size 3, ¾ in., per 1000 .....**AGE** 2.90

No. 744E—Size 7, 1 in., per 1000 .....**AIJ** 2.90

ONE HUNDRED IN A PACKAGE; TEN PACKAGES IN A CASE.

TELEGRAPH INSTRUMENTS.

STEEL LEVER KEYS.



The Standard of Postal and Western Union Telegraph Companies. Recommended for Durability, Lightness and Quick Action. Steel Lever, Fitted with Improved Adjustment Spring Holder, Nickel Plated, Gutta Percha Knobs, Brass Work Highly Polished, all Parts Finely Finished.

No. 103-E—With nickel plated lever, brass frame, with legs, each.....AAJ $2.00

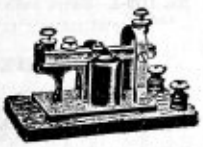


Top Connections.

Fitted with Improved Adjustment Spring Holder, Nickel Plated Lever, Gutta Percha Knobs, Brass Work Highly Polished, All PJarts Finely Finished.

No. 108-E—With nickel plated lever, brass frame, legless, each .....ABJ $2.80

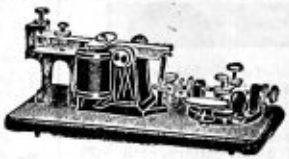
IMPROVED GIANT SOUNDER.



Unequalled for Quick Action, Loudness and Clear Tone, Proportion Scientifically Correct, One Cell of Ordinary Crowfoot Battery Will Operate, Producing a Sound Louder and Clearer Than Can Be Obtained from Any Other Sounder with Two Cells of Battery, Clear and Distinct Sound Makes It Popular with Expert Telegraphers.

No. 110-E—5 ohms, brass lever .....each AFE $2.80
No. 111-E—5 ohms, aluminum lever .....each AFE 2.80
No. 112-E—20 ohms, brass lever .....each AHJ 3.10
No. 113-E—20 ohms, aluminum lever .....each AHJ 3.10

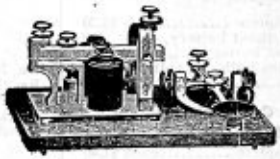
EUREKA TELEGRAPH INSTRUMENT.



First Class Standard Size Telegraph Set, Working Parts of Finely Finished Composition Metal, Key Knob and Circuit Closer Knob of Polished Hard Rubber Composition, Base of Highly Polished Mahogany, Sounder Base Japanned and Striped with Gilt. The Best Low Priced Telegraph Set Ever Made.

No. 178-E—5 ohms .....each ACJ $2.50
No. 197-E—20 ohms .....each AEJ 2.80

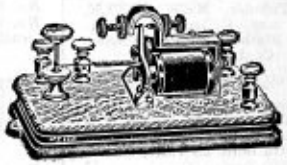
IMPROVED GIANT COMBINATION SET.



Comprises Improved Giant Sounder, Finely Finished, with Rubber Covered Coils, Mounted on Polished Mahogany Base, with Regular Steel Lever Key, All Highly Polished and Lacquered.

No. 182-E—5 ohms, aluminum lever .....each BHJ $4.80
No. 183-E—20 ohms, aluminum lever .....each BIE 5.10
No. 185-E—5 ohms, brass lever .....each BHJ 4.80

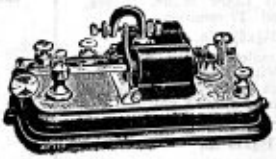
STANDARD PONY RELAY.



Working Parts Much Lighter than a Sounder and More Susceptible to Electric Pulsations, Requires Less Battery to Operate Than Any Main Line Sounder of Like Resistance.

No. 114-E—5 ohms, for burglar alarm work....each AHE $3.00
No. 115-E—20 ohms, for lines up to 10 miles....each AHE 3.20

COMMERCIAL STANDARD RELAY.



Armature and Levers Made in One Piece from Purest Norway Iron. Benig Lighter Than Two-Piece Armature, They Are Much More Sensitive.

No. 145-E—250 ohms .....each DDJ $7.50

FLASHLIGHTS WITH TUNGSTEN BATTERIES AND MAZDA BULBS.

Entire Page AJ%

EVEREADY.



Fibre Case, Tubular, Nickel Trimmings, Flash and Permanent Contact.

5x1¼ in.

No. 2602-E—Complete.....each $1.00
No. C2602-E—Without battery, each .70
No. 791-E—Extra battery .....each .30
No. 1182-E—Extra bulb, 2.7 volts, each ..... .13

6½x1½ in.

No. 2604-E—Bull Dog, compl't, each $1.20
No. C2604-E—Without battery, each .90
No. 790-E—Extra battery .....each .30
No. 1198-E—Extra bulb, 2.9 volts, each ..... .13

Leatherette Covered, Tubular.

8½x1½ in

No. 2606-E—Complete .....each $1.20
No. C2606-E—Without battery, each .80
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

Fibre Case, Tubular.

8½x1½ in.

No. 2612-E—Complete .....each $1.40
No. C2612-E—Without battery, each 1.00
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13



MINERS'.

Fibre Case, Tubular, NEW STYLE, Large Lens and Reflector, Nickel Trimmings, Flash and Permanent Contact.

6½x1½ in.

No. 2616-E—Complete .....each $1.50
No. C2616-E—Without battery, each 1.20
No. 790-E—Extra battery .....each .30
No. 1198-E—Extra bulb, 2.9 volts, each ..... .13

8½x1½ in.

No. 2619-E—Complete .....each $1.70
No. C2619-E—Without battery, each 1.30
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

Miners' Light with Parabolic Reflector. Most Powerful Light Made. Fibre, Nickel Trimmings.

1½x8½ in.

No. 2659-E—Complete .....each $3.00
No. C2659-E—Without battery, each 2.60
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

1½x13 in.

No. 2653-E—Complete .....each $4.00
No. C2653-E—Without battery, each 3.30
No. 715-E—Extra battery .....each .70
No. 1195-E—Extra bulb, 6.2 volts, each ..... .13

EVEREADY.



Tubular, Black Cloth Covered, Nickel Trimmings, Flash and Permanent Contact.

6½x1½ in.

No. 2624-E—Complete .....each $0.95
No. C2624-E—Without battery, each .65
No. 790-E—Extra battery .....each .30
No. 1198-E—Extra bulb, 2.9 volts, each ..... .13

Alligator Cloth Covered.

6½x1½ in.

No. 2625-E—Complete .....each $0.95
No. C2625-E—Without battery, each .65
No. 790-E—Extra battery .....each .30
No. 1198-E—Extra bulb, 2.9 volts, each ..... .13

Black Cloth Covered.

8½x1½ in.

No. 2626-E—Complete .....each $1.00
No. C2626-E—Without battery, each .60
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

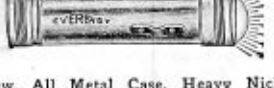
Enamel Metal Case.

8½x1½ in.

No. 2627-E—Complete .....each $0.90
No. C2627-E—Without battery, each .50
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

6½x1½ in.

No. 2628-E—Complete .....each $0.75
No. C2628-E—Without battery, each .45
No. 790-E—Extra battery.....each .30
No. 1198-E—Extra bulb 2.9 volts, each ..... .13



New, All Metal Case, Heavy Nickel Plated, Non-Short Circuiting, Permanent and Flash Contact.

1¼x5 in.

No. 2630-E—Complete .....each $1.25
No. C2630-E—Without battery, each .95
No. 791-E—Extra battery .....each .30
No. 1182-E—Extra bulb, 2.7 volts, each ..... .13

1½x6 in.

No. 2631-E—Complete .....each $1.50
No. C2631-E—Without battery, each 1.20
No. 790-E—Extra battery .....each .30
No. 1198-E—Extra bulb, 2.9 volts, each ..... .13

1½x8½ in.

No. 2632-E—Complete .....each $1.75
No. C2632-E—Without battery, each 1.35
No. 705-E—Extra battery .....each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

EVEREADY.



Cigarette Type, Hinged on One Side, Easily Opened to Permit Inspection. Nickel Plated.

⅝x1½x2⅞ in.

No. 6990-E—Complete .....each $1.00
No. C6990-E—Without battery, each .70
No. 707-E—Extra battery .....each .30
No. 1179-E—Extra bulb, 2.5 volts, each ..... .13

¾x1⅞x3½ in.

No. 6991-E—Complete .....each $1.00
No. C6991-E—Without battery, each .70
No. 750-E—Extra battery .....each $0.30
No. 1180-E—Extra bulb, 2.5 volts, each ..... .13

¾x2⅜x3¼ in.

No. 6992-E—Complete .....each $1.25
No. C6992-E—Without battery, each .90
No. 751-E—Extra battery.....each .35
No. 1181-E—Extra bulb, 3.8 volts, each ..... .13



In this New Design, Battery is Inserted in Top of Flashlight Case, Eliminating Adjustment of Battery Contacts.

Heavy Nickel Plated.

Size 2½x1¼x1⅛ in.

No. 6970-E—Complete.....each $0.85
No. C6970-E—Without battery, each .55
No. 707-E—Extra battery .....each .30
No. 1179-E—Extra bulb, 2.5 volts, each ..... .13

2⅛x1⅜x¾ in.

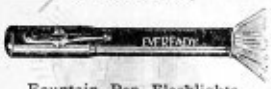
No. 6971-E—Complete.....each .85
No. C6971-E—Without battery, each .55
No. 750-E—Extra battery.....each .30
No. 1180-E—Extra bulb, 2.5 volts, each ..... .13

2⅛x2x¾ in.

No. 6972-E—Complete.....each 1.10
No. C6972-E—Without battery, each .75
No. 751-E—Extra battery.....each .35
No. 1181-E—Extra bulb, 3.8 volts, each ..... .13

FLASHLIGHTS, TUNGSTEN BATTERIES AND MAZDA BULBS.

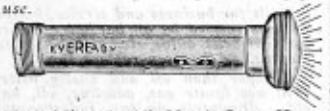
EVEREADY.



Fountain Pen Flashlights.
5½ in. long, ¾ in. thick.

No. 2681-E—Black enamel finish, complete ..... each $1.00
No. 2682-E—Nickel plated finish, complete ..... each $1.00
No. C2681-E—Without battery, each ..... .75
No. C2682-E—Without battery, each ..... .75
No. 706-E—Extra Tungsten battery, each ..... .25
No. 1179-E—Extra Mazda bulb 2.5 volts, each $0.13

This is an exact imitation of a fountain pen. Equipped with an Eveready Mazda lamp, and Tungsten battery, has a silver plated reflector to further increase the brilliancy of the light. Also has a slide contact giving either a flash or continuous light as desired. Its shape and compactness make it convenient to carry either in the pocket or shopping bag, where it is always handy and ready for use.



New Miners', All Metal Case, Heavy Nickel Plated, Non-Short Circuiting, Permanent and Flash Contact.
1½x8½ in.

No. 2633-E—Complete ..... each $2.40
No. C2633-E—Without battery, each 2.00
No. 705-E—Extra battery ..... each .40
No. 1193-E—Extra bulb, 3.8 volts, each ..... .13

1½x6½ in.

No. 2634-E—Complete ..... each $2.00
No. C2634-E—Without battery, each 1.70
No. 790-E—Extra battery ..... each .30
No. 1198-E—Extra bulb 2.9 volts, each ..... .13

MINIATURE.



Brass Case, Heavy Nickel Plated and Polished, Permanent Contact.
2½x1½x⅝ in.

No. 6900-E—Complete ..... each $0.75
No. C6900-E—Without battery, each .45
No. 707-E—Extra battery ..... each .30
No. 1180-E—Extra bulb, 2.5 volts, each ..... .13

2⅛x1⅜x¾ in.

No. 6961-E—Complete ..... each .75
No. C6961-E—Without battery, each .45
No. 750-E—Extra battery ..... each .30
No. 1180-E—Extra bulb, 2.5 volts, each ..... .13

¾x⅞x3 in.

No. 6962-E—Complete ..... each $1.00
No. C6962-E—Without battery, each .65
No. 751-E—Extra battery ..... each .35
No. 1181-E—Extra bulb, 3.8 volts, each ..... .13

1x1⅞x3½ in.

No. 6954-E—Complete ..... each $1.00
No. C6954-E—Without battery, each .70
No. 792-E—Extra battery ..... each .30
No. 1182-E—Extra bulb 2.7 volts, each ..... .13

EVEREADY FLASHLIGHT BATTERIES.



SEE GUARANTEE ON EACH BATTERY.

TUNGSTEN.

Nos.	Size, inches.	Each.	No. Bulb Required.	Each.
703-E	2⅛x2 1/16x⅜	$0.35	1190-E	$0.13
705-E	1⅜x7	.40	1193-E	.13
706-E	⅞x4	.25	1179-E	.13
707-E	1⅜x1⅞x⅞	$0.30	1179-E	.13
710-E	3x3⅜	.75	1195-E	.13
711-E	1⅜x9⅛	.45	1199-E	.13
715-E	1⅜x11¾	.70	1195-E	.13
734-E	3x4x1⅜	.45	1199-E	.13
750-E	2⅛x1 1/16x1½	.30	1180-E	.13
751-E	2⅛x1 1/16x1½	.35	1181-E	.13
790-E	1⅜x4¼	.30	1198-E	.13
791-E	1x3¼	.30	1182-E	.13
792-E	2⅛x1⅝x1⅛	.30	1197-E	.13
793-E	3 1/16x2⅝x1	.35	1197-E	.13

When used in connection with the proper Mazda lamp, Tungsten batteries have an exceedingly long life. Continuous light can be had for a remarkably long time and for a much longer period if used intermittently.

THREE CRESCENT.

Nos.	Size, inches.	Each.	No. Bulb Required.	Each.
803-E	2⅛x2 1/16x⅜	$0.27	1190-E	$0.13
805-E	1⅜x7	.30	1193-E	.13
850-E	2⅛x1 1/16x1½	.22	1180-E	.13
851-E	2⅛x1 1/16x1½	.27	1181-E	.13
890-E	1⅜x4¼	.22	1198-E	.13
891-E	1x3¼	.22	1182-E	.13
892-E	2⅛x1⅝x1⅛	.22	1197-E	.13

This battery is superior to any battery on the market, excepting the Eveready Tungsten. Has a guaranteed shelf life and especially adapted for intermittent burning. But not for hard, continuous burning.

CORRESPONDING NUMBERS FOR BATTERIES AND BULBS REQUIRED FOR FLASH-LIGHTS.

Flash-lights.	Tungsten Batteries.	Mazda Bulbs.	Volts.
1991E	793E	1197E	2.7
2602E	791E	1182E	2.7
2604E	790E	1198E	2.9
2606E	705E	1193E	3.8
2612E	705E	1193E	3.8
2616E	790E	1198E	2.9
2619E	705E	1193E	3.8
2624E	790E	1198E	2.9
2625E	790E	1198E	2.9
2626E	705E	1193E	3.8
2627E	705E	1193E	3.8
2628E	790E	1198E	2.9
2630E	791E	1182E	2.7
2631E	790E	1198E	2.9
2632E	705E	1193E	3.8
2633E	705E	1193E	3.8
2634E	790E	1198E	2.9
2653E	715E	1195E	6.2
2659E	705E	1193E	3.8
2675E	750E	1180E	2.5
2681E	706E	1179E	2.5
2682E	706E	1197E	2.5
4702E	710E	1195E	6.2
4706E	703E	1190E	3.8
4707E	734E	1199E	4
6900E	707E	1180E	2.5
6901E	703E	1190E	3.8
6902E	792E	1197E	2.7
6903E	703E	1190E	3.8
6920E	707E	1179E	2.5
6921E	750E	1180E	2.5
6922E	751E	1181E	3.8
6954E	792E	1182E	2.7
6961E	750E	1180E	2.5
6962E	751E	1181E	3.8
6970E	707E	1179E	2.5
6971E	750E	1180E	2.5
6972E	751E	1181E	3.8
6990E	707E	1179E	2.5
6991E	750E	1180E	2.5
6992E	751E	1181E	3.8

MAZDA LAMPS.



1195-E | 1179-E, 1180-E, 1182-E | 1190-E, 1197-E | 1193-E, 1198-E, 1199-E

Nearly every one is familiar by this time with the Tungsten lamp and its tremendous improvement over the old carbon filament lamp used in connection with incandescent lighting for years. Tungsten is the name of the metal of which the filament is made and therefore the lamp or bulb is known as the Tungsten. Mazda is the trade name adopted to represent the combined improvement made by the technical specialist of the important manufacturers of Tungsten filaments, both in this country and Europe. It stands for the highest quality in metal filament lamps, and gives a remarkably bright light, estimated at 500 per cent more candle power than the carbon lamp. It increases service of battery as it gives a brilliant light down to the last battery.

FLASHLIGHTS, ELECTRIC LANTERNS AND LAMPS, AMMETERS, ETC.

COAT POCKET.

AJ%



1⅜x2¼x5 Inches, Metal Case, Nickel Trimmings, Cloth Covered.

No. 1991-E—Complete .....each $1.25
No. C1991-E—Without battery, each .90
No. 793—Extra battery .....each .35
No. 1197-E—Extra bulb, 2.7 volts, each ..... .13

VEST POCKET.

AJ%

1x2¾x3½ Inch, Metal Case, Nickel Trimmings, Black Cloth Covered.

No. 6903-E—Complete .....each $1.00
No. C6903E—Without battery, each ..... .65
No. 703-E—Extra battery.....each .35
No. 1190-E—Extra bulb, 3.8 volts, each ..... .13

1x1⅞x3½ in.

No. 6902-E—Complete .....each $1.00
No. C6902-E—Without battery, each .70
No. 792-E—Extra battery .....each .30
No. 1197-E—Extra bulb, 2.7 volts, each ..... .13



No. 2675-E—Pistol light, cleverest flashlight ever shown, is a perfect model of magazine pistol of latest type, light flashes when trigger is pressed, complete .....each $1.50

No. C2675-E—Without battery, each 1.20

No. 750-E—Extra battery .....each .30

No. 1180-E—Extra bulb, 2.5 volts, each ..... .13



WATCHMEN'S LANTERNS.

AJ%

No. 4702-E — Fitted with silvered parabolic reflector, light is switched on with same hand that carries lamp, the safest watchman's lantern manufactured, complete .....each $5.50

ELECTRIC HOUSE LAMPS.

AJ%



All Metal, Full Nickel Plated, Bale Type Handle and Improved Switch.

4x2¾x2½ in.

No. 4706-E—Complete .....each $2.00
No. 703-E—Extra battery.....each .35
No. 1190-E—Extra bulb 3.8 volts, each ..... .13

4¾x4½x3½ in.

No. 4707-E—Complete .....each $3.50
No. 734-E—Extra battery.....each .45
No. 1199-E—Extra bulb 4 volts, each ..... .13

ELECTRIC LANTERNS.



No. 1-E—Delta, 7½ in. high, black finish, trimmed in polished nickel plate, two cell, operates on two 6 in. dry batteries, made of cold rolled steel, bail and grip handles, heavy flexible cords, lens extra heavy convex-concave bulls eye effect, flanged base prevents tipping over, w't each without batteries 16 oz., without batteries .....each AEJ $2.00

No. 171-E—Extra bulb, 3 volt, each .....AE $0.30

Cords can be renewed, when worn out, by loosening screws.

Built for heavy service such as for farmers, delivery men, inspectors, autoists, watchmen, teamsters, etc.

ELECTRIC HAND LAMPS.



Japanned Steel, Metal Reflector, Tungsten Bulb, Uses One Ordinary Dry Battery, Imported Ground and Polished Lens, Push Thumb Switch, Equipped with Bail and Handle.

No. 7-E—80-E—Delta, without battery, w't each ½ lb. .....each AAJ $1.25

No. 170E—Extra bulb, 1½ volts, each .....each AE .30

Built for business and service, battery such as carried by all hardware dealers for door bells, autos, etc., and is good for months. A boy can replace them.

Cheaper than oil and vastly better. Will not ignite gas, gasoline, oil, hay, etc. Absolutely no toy, indespensable for household, farm, garage, camp, delivery and plumbers' wagons, etc.

ONE IN A CARTON; ONE DOZEN IN A CASE.

AMMETERS.



For Reading Current in Amperes.

No. 1002-E—1-E—0-35 amperes, 2 in. nickel plated metal dial, each.....JIJ $1.25

No. 1010-E—Midget, 0-35 amperes, 1¼ in. nickel plated metal dial..each JIJ $1.50

ONE IN A BOX.

VOLT-AMMETERS.

For Reading Current in Both Amperes and Volts.

No. 1003-E—8-E—0-35 amperes, 0-10 volts, 2 in. nickel plated metal dial, each.....ABJ $1.75

No. 1011-E—Midget, 0-35 amperes, 0-10 volts, 1¼ in. nickel plated metal dial, each.....ABJ $2.00



ONE IN A BOX.

VOLT-METERS.



For Reading Current in Volts.

No. 1005-E—0-10 volts, 2 in. nickel plated metal dial, each.....AAJ $1.50

ONE IN A BOX.

BATTERIES, CONNECTORS, ETC.

DRY BATTERIES.



No. 300-E—Cruso, round carton, 2½x 6 in., 1½ volts, 15 to 18 amperes, recommended for telephone and bell work, w't 2 lbs.....each **AG** $0.40





No. 700-E REVONOC. No. 1700-E REVONOC.

No. 700-E REVONOC—Round carton, 2½x 6 in., 1½ volts, 22 to 25 amperes, specially made for automobile and gas engine ignition work, where efficiency is needed, w't 2 lbs....each **AI** $0.50

No. 1700-E REVONOC—Square carton, otherwise same as No. 700-E, each .....**AI** $0.50

ONE HUNDRED AND TWENTY-FIVE IN A BBL.





No. 445E. No. 448E.

No. 445E—Red Seal, round carton, 2½x6¼ in., 22 to 25 amperes, flush top carbons, for automoible, launch and gas engine work, w't each 2 lbs., each .....**CJ** $0.50

No. 448E—Red Seal, square carton, otherwise same as No. 445E, each .....**CJ** $0.50

ONE HUNDRED AND TWENTY-FIVE IN A BARREL.

DRY BATTERIES.



No. 406-E—No. 160-J—Ever Ready, round carton, style "J," 2½x6 in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 2½ lbs., each .....**BC** $0.60

No. 407-E—No. 170-K—Ever Ready, round carton, style "K," 3x7 in., 1 6-10 volts, 27 to 30 amperes, for use on automobiles, gas and gasoline engines, motorcycles, etc., w't 3¼ lbs.....each **JEJ** $1.20

No. 413-E—Style "L," 3½x8 in., 30 to 35 amperes, otherwise same as No. 407-E.....each **JFJ** $1.60

NO. 406E, ONE HUNDRED AND TWENTY-FIVE; NO. 407E, SEVENTY-FIVE; NO. 413E, FIFTY IN A BARREL.



No. 1406-E—Ever Ready, square carton, 2½x2½x6 in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines, motorcycles, telephone work, etc., w't 2½ lbs., each .....**BC** $0.60

ONE HUNDRED AND TWENTY-FIVE IN A BARREL.



No. 436-E—Ever Ready, Thirty, square carton, 2½x2½x6 in., 1 6-10 volts, 22 to 25 amperes, for use on automobiles, gas and gasoline engines and motor cycles, w't 2½ lbs.....each **BA** $0.50

ONE HUNDRED AND TWENTY-FIVE IN A BARREL.

WET BATTERIES.



Carbon Cylinder.

No. 200-E—Battery complete, each .....**BI** $0.50

No. 202-E—Carbon cylinder, each .....**AF** .30

No. 203-E—Jars .....each **AJ** .12

No. 204-E—Zinc and rubber ring, each .....**JD** .06

No. 205-E—Sal Ammoniac, ¼ lb. packages .....per pound **AF** $0.30

The most powerful, efficient, and economical low-prices open circuit battery on the market. We use only the very best carbon cylinders.

BATTERY ZINCS.



No. 55-E—Round, plain, copper thumb screws .....each **JD** $0.06



No. 65-E—Square, plain, copper thumb screws .....each **JD** $0.06

FLASHLIGHT BATTERY AND BULB TESTERS.



No. 6291-E—Black case 5½ in. diameter, w't about 1 lb., each...**JIJ** $1.50

ONE IN A CARTON.

BATTERY CONNECTORS.



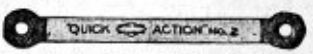
No. 1025-E—Bull Dog, 4½ in., safe, strong and reliable, per 100 .....**JDHJ** $10.00

TEN IN A BOX.



No. 1070-E—Quick Action, slotted ends, per 100 .....**JGJ** $4.00

Is made of one piece of annealed copper, perfectly insulated; attaching ends are ribbed to provide stiffness and cushion.



No. 1069-E—Quick Action, closed ends, per 100 .....**JGJ** $4.00

SAL AMMONIAC, TAPES, SOLDERING STICKS, ETC.

INSULATING TAPE.



No. 60-E—Cruso, friction, ¾ in., per pound ..... CE $0.50
ONE-HALF POUND ROLLS IN CARTONS.

No. 62-E RIVERSIDE—Friction, ¾ in., per pound ..... JEJ $1.00
ONE-HALF POUND ROLLS IN A TIN BOX.

No. 64-E—Rubber, ¾ in., per pound ..... JFE $1.00
ONE-HALF POUND ROLLS IN A CARTON.

RIVERSIDE is a very high grade of tape for all purposes and is very strongly recommended for all work requiring the best. Cruso is the best medium priced tape on the market. Both are extensively used by electrical contractors, electric light plants and telephone companies.



No. 65-E—Walpole, friction, ¾ in., per pound ..... JFJ $1.25
This is the highest grade, best quality, and equal to any on the market regardless of price.
ONE-HALF POUND ROLLS IN A TIN BOX.



No. 166-E—Manson, black, ¾ in., per pound ..... JGJ $1.50
ONE-HALF POUND IN A TIN BOX.



No. 167-E—Okonite, rubber, ¾ in., per pound ..... AAJ $2.00
ONE-HALF POUND IN A CARTON.

LEATHER NAIL HEADS.

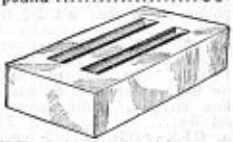


No. 3635-E.....per package JCE $1.00
A small leather ring or washer for use with porcelain insulators and cleats where it is desired to fasten them with nails instead of screws.
ABOUT ONE THOUSAND IN A PACKAGE.

SAL AMMONIAC.



Powdered, Imported, 99 Per Cent Pure.
No. 910-E—In bulk, per pound AC $0.28
ABOUT SIX HUNDRED POUNDS IN A CASK.
No. 912-E—5 lb. packages, per pound ..... AD .29
No. 911-E—1 lb. packages, per pound ..... AD .30
No. 205-E—¼ lb. packages, per pound ..... AG .34
No. 913E—Lump in bulk, for soldering, per pound ..... CF $0.40



No. 915-E—Cake 4x2½x1¾ in., each ..... CD $0.38
These are specially grooved to take the soldering iron and are recommended for tinners, plumbers and all kinds of soldering work.

SOLDERALL.



In Tubes.
No. 84-E—3 oz. size, per doz. BDJ $3.00
Solderall is a wonderful new solder, will mend anything in metal, kitchen utensils, toys, tin roofs, leaky pipes, automobile parts and wires. Clean in handling, no waste in using.
The most useful thing in an electrician's outfit. It is a complete solder and non-corrosive flux combined in paste form, it can be carried in the pocket like a screw driver. With the aid of a match, a perfect joint can be made.
All that is necessary is to squeeze a little from tube on parts to be mended and heat with a match, torch or soldering iron and a perfect job is the result. Indispensable for the home, shop, electrician or motorist.
ONE DOZEN IN A BOX.

SOLDERING SALTS.



No. 3405-E—Allen's, ½ lb. bottles, each ..... CE $0.40
No. 3406-E—Allen's, 1 lb. bottles, each ..... DJ .60
No. 3407-E—Allen's, 5 lb. bottles, each ..... AIE 2.50

SOLDERING PASTE.



No. 401-E—Allen's, in 2 oz. boxes, per box ..... AD $1.25
No. 402-E—Allen's, in ½ lb. boxes, per box ..... CE $0.45
No. 403-E—Allen's, in 1 lb. boxes, per box ..... FE $1.80
No. 404-E—Allen's, in 5 lb. boxes, per box ..... BGJ $3.25



No. 93-E—Crescent, in 2 oz. boxes, per box ..... AD $0.25
Crescent Soldering Paste is an oleate, not an acid. It is a clean, efficient and economical flux.

SOLDERING STICKS.



No. 4[illegible] Squar[illegible]'s..per stick AC $0.25
No. 92-E—Crescent..per stick AC $0.20
These sticks are non-corrosive and efficient, economical and quick acting. They are not hard or brittle, and will not crumble.

SOLDER.



No. 81-E—Wire, No. 10 gauge, 50-50, guaranteed fifty pounds each, tin and lead in a hundred, per pound $
IN BULK.



No. 83-E XXX RIVERSIDE—Bar, tinners', warranted, half and half, 50-50, guaranteed fifty pounds each, tin and lead in a hundred .....per pound $
ONE HUNDRED POUNDS IN A BOX.

PUSHES, PUSH BUTTONS AND TREADS.

PUSH BUTTONS.



Nos. 441-E to 445-E.



Nos. 43-E and 46-E.

2⅜ Inch.

No. 441-E—Natural oak, each **JF** $0.15
No. 442-E—Antique oak, each **JF** .15
No. 445-E—Cherry.....each **JF** .15

3 Inch, Pear Shape.

No. 43-E—Oak .....each **AB** $0.20
No. 46-E—Walnut .....each **AB** .20



Nos. 9595-E and 9598-E.



Nos. 9600-E and 9603-E.

2½ Inch.

No. 9595-E—Light bronze, pressed metal, each .....**AB** $0.25
No. 9598-E—Oxidized copper, pressed metal .....each **AB** $0.25
No. 9600-E—Light bronze, pressed metal, each .....**AD** $0.30
No. 9603-E—Oxidized copper, pressed metal .....each **AD** $0.30



No. 25655-E.



No. 25651-E.

2 ⅜Inch Solid Screw Back.

No. 25655-E—Cast bronze, brush brass, each .....**CH** $0.75
No. 25651-E—Cast bronze, brush brass, each .....**CH** $0.75



No. 25750-E.



No. 25753-E.

Loose Back.

No. 25750-E—4⅛x1¾ in., wrought bronze, brush brass .....each **BJ** $0.60
No. 25753-E—4x2 in., wrought bronze, brush brass .....each **CF** $0.60

PUSH BUTTONS.



No. 999-E—Liberty, 1¾ in., black with white center .....each **AA** $0.20
A moulded composition button of hard rubber finish. Better than wood or metal. It will not rust, contacts will not loosen, and the mechanical details are perfect.

TABLE PUSHES.



No. 1261-E—Nickel plated, pearl, center .....each **CE** $0.50



No. 1262-E—Nickel plated, black center, each .....**CE** $0.50

FLOOR PUSHES.



No. 1263-E—Nickel plated, each **CJ** $0.40
Used under dining room table for signaling servant.



No. 1264-E—Nickel plated, combination, each .....**CF** $0.50
Same as No. 1263-E with extension attachment for connecting with table push.

FLOOR TREADS.



No. 1150-E—4 in., reliable, brass finish, felt covered base ....each **JHJ** $1.50
Although snugly hidden under the rug it can readily be found and signal instantly made upon the slightest pressure with foot at any point. This distinct advantage is due to its full, round shape and simple construction.
CORD NOT INCLUDED.

DOOR PUSHES.



No. 1567-E.



No. 1568-E.

No. 1567-E—Open circuit, each .....**AA** $0.17

No. 1568-E—Closed circuit, each .....**AB** .30



No. 1566-E.



No. 1569-E.

No. 1566-E—Open circuit, each .....**AJ** $0.11

No. 1569-E—Make and Break, each .....**AB** .20



No. 1570-E.



No. 1571-E.

No. 1570-E—Door trip, 2 in., each .....**BF** $0.40

No. 1571-E—1⅞ in.....each **JH** .12

For use over store doors to announce entrance of customers. Rings signal when door passes the trip, but is silent when open, and in closing door.

CUT-OUT BOXES, WOOD MOULDING, SWITCHES, ETC.

SECTIONAL SWITCH BOXES.



All Nos. FJ%.

For One Switch.

No. 1-E—Style "CC," 2½ in. deep, for flexible conduit .....each $0.50
No. 21-E—Style "AA," 3 in. deep, for flexible conduit .....each $0.50
No. 31-E—Style "BB," 3½ in. deep, for iron conduit .....each $0.50



For Two Switches.

No. 2-E—Style "CC," 2½ in. deep, for flexible conduit .....each $0.90
No. 22-E—Style "AA," 3 in. deep, for flexible conduit .....each $0.90
No. 32-E—Style "BB," 3½ in. deep, for iron conduit .....each $0.90



No. 41-E—Spacer for 1-E or 2-E box, each $0.40
No. 42-E—Spacer for 21-E or 22-E box, each $0.40
No. 43-E—Spacer for 31-E or 32-E box, each $0.40

The Nos. 1-E, 21-E and 31-E boxes are made with removable side, and by using proper spacer, can be built up to any number of gangs.



Discount BJ%.

The ideal box for exposed conduit and box work, also suitable for transportation from pipe work to exposed wiring, 4x2⅛x1⅞ in., six outlets, one in each end, one in bottom, one in one side and two in other side, outlets for ½ and ¾ in. conduits only, drawn from 14 gauge steel, corners neatly rounded, takes all makes of shallow switches and rectangular base flush receptacles.

No. 180-E .....each $0.25

STEEL CUT-OUT BOXES.



All Nos. DJ%.

No.	Length in.	Width in.	Depth in.	Each.
31680-E	6	8	3½	$1.30
31681-E	12	8	3½	1.60
31682-E	15	8	3½	1.90
31683-E	12	10	3½	1.90

The above prices are for boxes constructed of No. 16 U. S. gauge sheet steel with spring catch and knob.

All boxes are provided with knockouts for ⅜ and ¼ in. conduit; 1½ in. centers, and are coated with a high grade, rust preventive, black paint.

Boxes with spring hinges take an advanced price.

WOOD MOULDING.



All Nos. D%.

No. 1601-E—Two wire, ¼ in. hardwood, unfinished, for Nos. 12 or 14 wire, per 1000 feet..... $18.00

No. 1602-E—Two wire, ¼ in., hardwood, oak stained, for Nos. 12 or 14 wire, per 1000 feet..... $19.00

Prices include capping. Can furnish other sizes, but will take three or four days time. Wire grip moulding is so constructed that it holds the wire in place while capping is being put on. All hardwood.

PACKED 100 FEET OF MOULDING AND CAPPING IN A BUNDLE.

PENDENT SWITCHES.



No. 406-E—Single Pole, 125 volts, 3 amp., Brush brass, ⅛ in. cap, each .....DE $0.60

FIFTY IN A STANDARD PACKAGE. W'T 22 LBS.



No. 6600E — Single pole, 125 volts 6 amp., or 250 volts 3 amp., Brush brass, double button, each .....CE $0.50

Used for controlling incandescent clusters and fixtures.



No. 6700E — Single pole, 125 volts 6 amp., or 250 volts 3 amp., Brush brass, side release, each .....CE $0.50

This switch is for pendent work only and is provided with a double bushing suitable for as large as No. 16 National code lamp cord.

ONE HUNDRED IN A STANDARD PACKAGE. W'T 32 LBS.



Single Pole.

No. 7000E—Cutler-Hammer, gray porcelain, 6 amp. 125 volts, 3 amp. for 250 volts, standard package w't 30 lbs., each .....CE $0.50

ONE HUNDRED IN A STANDARD PACKAGE.

SWITCHES.

NEW ENGLAND PUSH SWITCHES.

Entire column DJ%.



10 Amperes, Length 2¾ Inches, Width 1¾ Inches, Depth 1½ Inches.

Each.
No. 2972E—Single pole, 250 volts...$0.45
No. 2974-E—3 way, 250 volts..... .70

These prices do not include plates. For prices on same see below.

The mechanism of the New England push switch is actuated by a coiled spring which is in compression only and is not strained torsionally and is removable. The simplicity of this switch will appeal to any man of a mechanical turn of mind and will prove to him conclusively the truth of the foregoing statements.

ONE HUNDRED IN A STANDARD PACKAGE.

PLATES FOR PUSH SWITCHES.



Struck Up Pattern for One Switch, 4½x2¾ Inches.

Each.
No. 4972E—Nickel finish $0.24
No. 14972E—Brush brass finish .... .14
No. 24972E—Oxidized copper finish .24

Struck Up Pattern for Two Switches, 4½x4⅛ Inches.

No. 4973E—Nickel finish $0.48
No. 14973E—Brush brass finish .... .28
No. 24973E—Oxidized copper finish. .48

Struck Up Pattern for Three Switches, 4½x6⅛ Inches.

No. 4974E—Nickel finish $0.72
No. 14974E—Brush brass finish .... .42
No. 24974E—Oxidized copper finish. .72

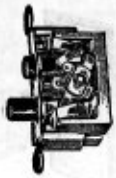
Solid Pattern for Four Switches, 4½x8⅛ Inches.

No. 4975E—Nickel finish $1.40
No. 14975E—Brush brass finish 1.40
No. 24975E—Oxidized copper finish. 1.40

ONE HUNDRED SINGLE PLATES OR THE EQUIVALENT IN GANGS MAKE A STANDARD PACKAGE.

PUSH SWITCHES.

Entire column CE%.



No. 6800-E—Arrow "E," 10 amperes, length 2¾ in., width 1¾ in., depth 1½ in., single pole, 250 volts, each $0.31

No. 2081-E—Hart, otherwise same as No. 6500-E .....each $0.45

No. 6501-E—Arrow "E," 10 amperes, length 2¾ in., width 1¾ in., depth 1½ in., double pole, 250 volts, each $0.70

No. 2082-E—Hart, otherwise same as No. 6500-E $0.70

No. 6802-E—Arrow "E," 10 amperes, length 2¾ in., width 1¾ in., depth 1½ in., 3 way, 250 volts.....each $0.42

No. 2083-E—Hart, otherwise same as No. 6502-E .....each $0.70

No. 6503-E—Arrow "E," 10 amperes, length 2¾ in., width 1¾ in., depth 1½ in., 4 way, 110 volts .....each $2.00

No. 2084-E—Hart, otherwise same as No. 6503-E .....each $2.00

These prices do not include plates. For prices on same see first column.

NOS. 6500-E AND 2081-E, ONE HUNDRED; NOS 6501-E, 6502-E, 2082-E AND 2083-E, FIFTY; NOS. 6502-E AND 2084-E, TEN IN A STANDARD PACKAGE.

ROTARY SWITCHES.



250 Volts.

No. 6250-E—600-E—5 amperes, length 2¾, width 1¾, depth 1½ in., single pole .....each $0.62

No. 6251-E—601-E—10 amperes, length 2¾, width 1¾, depth 1¾ in., single pole .....each $0.71

These prices do not include plates. For prices on same see next column.

NO. 6250E, ONE HUNDRED; NO. 6251E, FIFTY IN A STANDARD PACKAGE.

SNAP SWITCHES.

Entire column CE%.



250 Volts, Single Pole

No. 6102-E—Arrow "E," 5 amperes, diam. 2 in., closed base, plain cover, each $0.28
No. 2148-E—Hart, otherwise same as No. 6102-E .....each $0.28
No. 6100-E—Arrow "E," 5 amperes, diam. 2 in., open base, plain cover, each $0.28
No. 2161-E—Hart, otherwise same as No. 6100-E .....each $0.28
No. 6103-E—Arrow "E," 5 amperes, diam. 2 in., closed base, indicating cover .....each $0.32
No. 2162-E—Hart, otherwise same as No. 6103-E .....each $0.32
No. 6101-E—Arrow "E," 5 amperes, diam. 2 in., open base, indicating cover .....each $0.32
No. 2163-E—Hart, otherwise same as No. 6101-E .....each $0.32

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

Single Pole Indicating Covers, 250 Volts.

No. 6203-E—220-E—5 amp., diam. 2⅛ in., closed base.....each $0.40
No. 6201-E—320-E—5 amp., diam. 2⅛ in., open base.....each $0.40
No. 6207-E—221-E—10 amperes, diam. 2½ in., closed base.....each $0.54
No. 6205-E—321-E—10 amperes, diam. 2½ in., open base.....each $0.54

ONE HUNDRED IN A STANDARD PACKAGE.

Double Pole Indicating Covers, 250 Volts.

No. 6218-E—222-E—10 amperes, diam. 2½ in., closed base.....each $0.76
No. 6216-E—322-E—10 amperes, diam. 2½ in., open base.....each $0.76

ONE HUNDRED IN A STANDARD PACKAGE.

THREE-WAY SWITCHES.

250 Volts, Not Indicating.

No. 6230-E—23-E—10 amperes, diam. 2½ in., closed base.....each $0.66
No. 6229-E—123-E—10 amperes, diam. 2½ in., open base.....each $0.66

FIFTY IN A STANDARD PACKAGE.

ROTARY SWITCH PLATES.



For One Switch, 4½x2¾ Inches. Struck Up Pattern.

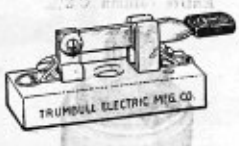
No. 1600E—Nickel finish .....each $0.53
No. 1601E—Brush brass, each $0.53
No. 1602E—Oxidized copper .....each $0.53

Can furnish plates in any finish for 2, 3, 4, 5 or 6 switches and will quote prices on application.

ONE HUNDRED ASSORTED IN A STANDARD PACKAGE.

SWITCHES AND RECEPTACLE PLUGS.

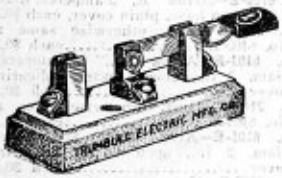
KNIFE SWITCHES.



For Telephone or Battery Work.

No. 707E—15 amperes, single pole, single throw, porcelain base, each.....AB $0.20

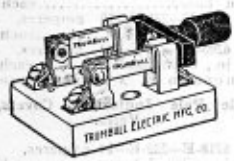
ONE HUNDRED FIFTY IN A STANDARD PACKAGE.



For Telephone or Battery Work.

No. 708E—15 amperes, single pole, double throw, porcelain base, each.....BJ $0.32

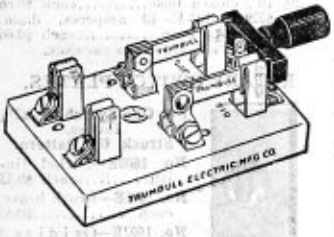
ONE HUNDRED IN A STANDARD PACKAGE.



For Telephone or Battery Work.

No. 709E—15 amperes, double pole, single throw, porcelain base, each.....BB $0.35

ONE HUNDRED IN A STANDARD PACKAGE.



For Telephone or Battery Work.

No. 710E—15 amperes, double pole, double throw, porcelain base, each.....CJ $0.50

FIFTY IN A STANDARD PACKAGE.

AUTOMATIC RECEPTACLE PLUGS.

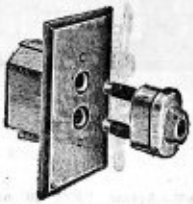


Plate 4½x2¾ Inches, Length of Receptacle 2½ Inches, Width 1⅝ Inches, Depth 1½ Inches.

No. 1700-E—Receptacle, complete, each ..... AJJ $1.40

No. 1701E—Receptacle base only, each ..... CE .50

No. 1702E—Receptacle plug only, each ..... AH .25

No. 1703-E—Brush brass, receptacle each ..... DJ .65

Large enough to permit the use of size 16 new code cord and sufficient space to permit a knot being tied in the cord. The screw holes are the same distance apart as in the push switches and the receptacle will fit in the same box.

TWENTY-FIVE IN A STANDARD PACKAGE.

WOOD BASE SWITCHES.



Round, Wood Base, 2⅝ Inch Diameter.

No. 461E—1 point switch..each JG $0.25

No. 462E—2 point switch.. " JH .28

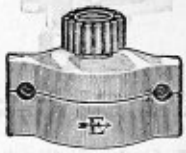
No. 463E—3 point switch.. " JI .30

SURFACE SWITCHES.



No. 6280E—Porcelain cap, single pole, open base, 125 volts 10 amp., or 250 volts 5 amp., diam. 2½ in., w't 18 lbs., each ..... DJ $0.64

THIRTY IN A STANDARD PACKAGE.



No. 6260E—Porcelain cleat base, single pole, 125 volts 5 amp., or 250 volts 3 amp., diam. 2⅝x1⅛ in., w't 45 lbs., each .....BB $0.36

ONE HUNDRED IN A STANDARD PACKAGE.

JUNIOR BATTERY SWITCHES.



Composition Base.

No. 1E—Single pole, single throw, 1 1/16x2 1/16 in., 15 amp., each .....AB $0.20

TWO HUNDRED IN A STANDARD PACKAGE.



No. 2E—Single pole, double throw, 1⅛x2¼ in., 15 amp....each AH $0.30

ONE HUNDRED IN A STANDARD PACKAGE.



No. 5E—Double Throw, launch, 1¾x2⅝ in., 15 amp.....each BD $0.40

ONE HUNDRED IN A STANDARD PACKAGE.

These switches are recommended for Gas Engines, Autos, Launches, and other connections where dry batteries are used.

KNIFE SWITCHES.

Entire Page AE%.

TYPE "C."



No. 1130E.

National Code, Single Throw, Front Connections Only, Fused Bottom, High Jaws, Fuses Not Included. Single Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1120E	30	250	$0.70
1121E	60	250	1.18
1123E	100	250	2.38
1124E	200	250	4.40★

Double Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1130E	30	250	$1.06
1131E	60	250	1.80
1133E	100	250	3.66★
1134E	200	250	6.76★

Three Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1140E	30	250	$1.60★
1141E	60	250	2.70★
1143E	100	250	5.50★
1144E	200	250	10.14★



No. 1183E.

National Code, Single Throw, Front Connections Only, Fused Top, High Jaws, Fuses Not Included. Single Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1160E	30	250	$0.70★
1161E	60	250	1.18★
1163E	100	250	2.38★
1164E	200	250	4.40★

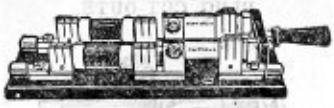
Double Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1170E	30	250	$1.06★
1171E	60	250	1.80★
1173E	100	250	3.66★
1174E	200	250	6.76★

Three Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
1180E	30	250	$1.60★
1181E	60	250	2.70★
1183E	100	250	5.50★
1184E	200	250	10.14★

TYPE "C."



No. 3144E.

National Code, Single Throw, Front Connections Only, Fuses not Included.

Single Pole.

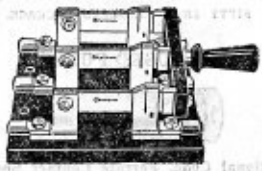
Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3121E	30	250	$0.60★
3122E	60	250	1.08★
3124E	100	250	2.18★
3125E	200	250	4.16★

Double Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3141E	30	250	$0.94★
3142E	60	250	1.66★
3144E	100	250	3.36★
3145E	200	250	6.40★

Three Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3161E	30	250	$1.40★
3162E	60	250	2.50★
3164E	100	250	5.25★
3165E	200	250	9.60★



No. 3031E.

No Fuse, Front Connections Only.

Single Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3001E	30	250	$0.42★
3003E	60	250	.74★
3005E	100	250	1.50★
3006E	200	250	2.70★

Double Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3041E	30	250	$0.68★
3043E	60	250	1.22★
3045E	100	250	2.50★
3046E	200	250	4.50★

Three Pole.

Nos.	Amperes.	Volts, A.C.orD.C.	Each.
3082E	30	250	$1.60★
3083E	60	250	1.84★
3085E	100	250	3.76★
3086E	200	250	6.76★

Improved type, all copper switch. The best grade of material used. These switches represent the standard of perfection in punched clip switches.

★*FOR FACTORY SHIPMENT ONLY.*

"KAPPA."



No. 022E.

Single Throw, Front Connections Only No Fuse.

Nos.	Amperes.	Volts.	No. of Poles.	St'd Pkg.	Gross w't of St'd pkg. lbs.	Each.
020-E	30	250	1	100	70	$0.38
022-E	30	250	2	100	126	.60
023-E	30	125-250	3	50	118	.90



No. 025E.

National Code, Fuses Not Included.

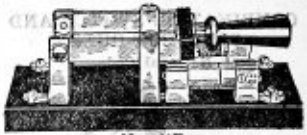
Nos.	Amperes.	Volts.	No. of Poles.	St'd Pkg.	Gross w't of St'd pkg. lbs.	Each.
024-E	30	250	1	25	55	$0.58
025-E	30	250	2	50	106	.90★
026-E	30	125-250	3	25	74	1.33★



No. 30E.

National Code, Single Throw, Front Connections Only, Fused Bottom, High Jaws, Fuses Not Included.

Nos.	Amperes.	Volts.	No. of Poles.	St'd Pkg.	Gross w't of St'd pkg. lbs.	Each.
30-E	30	250	2	25	55	$0.99★
31-E	30	250	3	25	85	1.45★



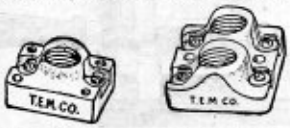
No. 33E.

National Code, Fused Top, High Jaws Fuses Not Included.

Nos.	Amperes.	Volts.	No. of Poles.	St'd Pkg.	Gross w't of St'd pkg. lbs.	Each.
33-E	30	250	2	25	55	$0.99★
34-E	30	250	3	25	85	1.45★

CUT-OUTS, FUSES, FUSE WIRE, PLUGS, ETC.

EDISON PLUG CUT-OUTS.



No. 62569-E. No. 62965-E.

National Code.

250 Volts.

No. 62569-E—2x3 in., single pole, main, 0 to 30 amperes .....each **AJ** $0.18
No. 62965-E—3x3 in., double pole, main, 0 to 30 amperes .....each **AH** $0.30

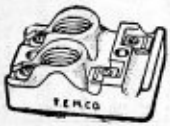
ONE HUNDRED AND FIFTY IN A CASE.



250 Volts.

No. 8020-E—3x3 in., double pole, cross over, 0 to 30 amperes..eavh **BB** $0.36

ONE HUNDRED AND FIFTY IN A CASE.



250 Volts.

No. 61935-E—3x4 in., double pole, single branch, 0 to 30 amperes, each **AI** $0.32

ONE HUNDRED IN A CASE.



250 Volts.

No. 62587-E—3x6 in., double pole, double branch, 0 to 30 amperes, each **CE** $0.62
No. 62199-E—3x6½ in., three to two wire double branch. .....each **DJ** $0.64

ONE HUNDRED IN A CASE.

COMBINATION SWITCH AND PLUG CUT-OUTS.

National Code.

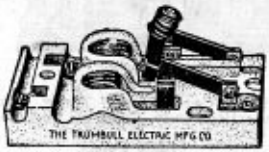


125 Volts.

No .701-E—1695-E—5⅛x3¼ in., 30 amperes, double pole .....each **EE** $0.90

ONE HUNDRED IN A STANDARD PACKAGE.

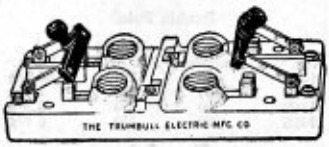
COMBINATION SWITCH AND PLUG CUT-OUTS.



125 Volts.

No. 714-E—3x6⅛ in., 15 amperes, two wire, single branch panel switch, each .....**JFJ** $1.00

ONE HUNDRED IN A STANDARD PACKAGE.



125 Volts.

No. 715-E—3⅛x10¼ in., 15 amperes, two wire, double branch, panel switch, each .....**ADE** $2.00
No. 716-E—3⅛x11¼ in., 15 amperes, three to two wire, double branch, panel switch .....each **AEJ** $2.10

FIFTY IN A STANDARD PACKAGE.

ENCLOSED FUSES.



National Code, Ferrule Contact Spring Clip Style, 250 Volts, 3-30 Amperes, 2x½ Inch.

No. 3105-E—	5 amperes..each	**AG**	$0.25
No. 3106-E—	6 amperes..each	**AG**	.25
No. 3110-E—	10 amperes..each	**AG**	.25
No. 3115-E—	15 amperes..each	**AG**	.25
No. 3120-E—	20 amperes..each	**AG**	.25
No. 3125-E—	25 amperes..each	**AG**	.25
No. 3130-E—	30 amperes..each	**AG**	.25

Holes in ferrule closed when fuse is blown.

FIFTY IN A CARTON AND ONE HUNDRED IN A STANDARD PACKAGE.



National Code, Ferrule Contact Spring Clip Style, 250 Volts, 31-60 Amperes, 3x¾ Inch.

No. 3145-E—	45 amperes..each	**BE**	$0.35
No. 3150-E—	50 amperes..each	**BE**	.35
No. 3160-E—	60 amperes..each	**BE**	.35

Prices on other sizes on application.

TWENTY-FIVE IN A CARTON AND ONE HUNDRED IN A STANDARD PACKAGE.

FUSE



Two 8-oz. Spools.

No. 901-E—	1 ampere, per lb.	**JFJ**	$1.10
No. 903-E—	3 amperes, per lb.	**JEE**	1.00

One Pound Spools.

No. 905-E—	5 amperes, per lb.	**JEE**	1.00
No. 910-E—	10 amperes, per lb.	**DE**	.80
No. 912-E—	12 amperes, per lb.	**DE**	.80
No. 915-E—	15 amperes, per lb.	**DJ**	.75
No. 920-E—	20 amperes, per lb.	**DJ**	.75
No. 925-E—	25 amperes, per lb.	**DJ**	.75
No. 930-E—	30 amperes, per lb.	**DJ**	.75
No. 950-E—	50 amperes, per lb.	**DJ**	.75

Five Pound Spools.

No. 960-E—	60 amperes, per lb.	**CH**	.70
No. 970-E—	70 amperes, per lb.	**CH**	.70
No. 990-E—	90 amperes, per lb.	**CH**	.70

FUSE PLUGS.

National Code, 125 Volts or Under.

No. 66327-E— 3 amp.,
No. 66329-E— 6 amp.,
No. 66331-E—10 amp.,
No. 66333-E—12 amp.,
No. 66335-E—15 amp.,
No. 66337-E—20 amp.,
No. 66339-E—25 amp.,
No. 66341-E—30 amp.,
All Nos. .....per 100 **CFJ** $7.00





PLUG FUSE CASINGS.

National Code, 250 Volts or Under.

No. 1945-E—For 0 to 30 amperes cartridge fuses .....each **AE** $0.18

Fuses are not included with casings. Takes cartridge fuses Nos. 3103-E to 3130E, according to amperes desired.

ONE HUNDRED IN A CASE.

ARC LIGHT CARBONS.



For Alternating and Direct Current Lamps.

No. 3000-E—Solid, 12x½ in., w't per thousand 140 lbs., per 1,000★ .....**CFJJ** $55.00
No. 3001-E—Cored, 12x½ in., w't per thousand 140 lbs., per 1,000★ .....**CGHJ** $59.00
No. 3002-E—Solid, 12x⅛ in., w't per thousand 110 lbs., per 1,000★ .....**CJJJ** $46.00
No. 3003-E—Cored, 12x⅛ in., w't per thousand 110 lbs., per 1,000★ .....**CAHJ** $50.00
No. 3004-E—Solid, 9½x½ in., w't per thousand 120 lbs., per 1,000★ .....**BHHJ** $46.50
No. 3005-E—Cored, 9½x½ in., w't per thousand 120 lbs., per 1,000★ .....**CJFJ** $49.50
No. 3006-E—Solid, 12x⅜ in., w't per thousand 90 lbs., per 1,000★ .....**BHBJ** $44.00
No. 3007-E—Cored, 12x⅜ in., w't per thousand 90 lbs., per 1,000★ .....**CJJJ** $48.00

Direct current enclosed arc lamps use solid carbons in both upper and lower. Alternating current lamps use one cored and one solid.

FIFTY IN A BOX AND ONE THOUSAND IN A STANDARD PACKAGE.

SOCKETS.

SOCKETS.



Snap Shell, Edison Base, National Code, 250 Volts, ⅛ Inch Cap.

No. 457E—Key, polished brass, each ..... AE $0.33
No. 459E—Key, brush brass, each ..... AE .33
No. 460E—Key, oxidized copper, each ..... AG .37

⅜ Inch Cap.

No. 2459E—Key, brush brass, each ..... BJ $0.39

FIFTY IN A BOX, FIVE HUNDRED IN A STANDARD PACKAGE.



Snap Shell, Edison Base, National Code, 250 Volts, ⅛ Inch Cap.

No. 0457E—Keyless, polished brass, each ..... AE $0.30
No. 0459E—Keyless, brush brass, each ..... AE .30
No. 0460E—Keyless, oxidized copper, each ..... AE $0.34

⅜ Inch Cap.

No. 20459E—Keyless, brush brass, each ..... AG $0.36

FIFTY IN A BOX, FIVE HUNDRED IN A STANDARD PACKAGE.

PULL SOCKETS.



"Arrow Twenty."

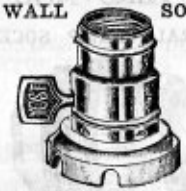
Edison Base, National Code, 8 Inch Chain, ⅛ Inch Cap.

No. 65250E—Brush brass, each DJ $0.60
No. 165250E—Polished brass, each ..... DJ .60
No. 265250E—Oxidized copper, each ..... DC .66
Extra length chain..per foot AB .20

Used in place of key socket on fixtures too high to reach with convenience. One pull of the chain turns on the current, and the next pull turns it off.

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

WALL SOCKETS.



Snap Shell, Edison Base, National Code, 250 Volts.

No. 387E—Key, brushed brass, slotted base ..... each BH $0.44
No. 388E—Key, brushed brass, solid base ..... each BH $0.44

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



Snap Shell, Edison Base, National Code, 250 Volts.

No. 0387E—Keyless, brushed brass, slotted base ..... each BD $0.40
No. 0388E—Keyless, brushed brass, solid base ..... each BD $0.40

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



Edison Base, 250 Volts.

No. 50748E—Key, brushed brass, concealed porcelain base, removable ring, each ..... BG $0.44

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



Edison Base, 250 Volts.

No. 50746E—Keyless, brushed brass, concealed porcelain base, removable ring ..... each BD $0.40

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



"Arrow Twenty."

Edison Base, National Code, 8 Inch Chain.

No. 66611E—Brush brass, each DB $0.70

ONE HUNDRED IN A STANDARD PACKAGE.

ANGLE SOCKETS.



No. 412E—Two light, polished brass, each ..... EE $0.65

Designed with a view to economy in show-window or show-case work. By use of suitable shades and reflectors more complete distribution of light is secured.

FIFTY IN A STANDARD PACKAGE.

LAMP ATTACHMENT.



Lamp Base Attachments, National Code, 8 Inch Chain.

No. 35024E—Brush brass, each DB $0.70

FIFTY IN A STANDARD PACKAGE.

ADJUSTABLE SOCKET CLUSTERS.



With Plug—Wired.

No. 952E—2 light, w't ½ lb., each ..... AAE $1.25

Benjamin Adjustable Plug and Socket Clusters are designed for use with ceiling or pendant dome fixtures, stand lamps in reading rooms, etc., where it is desirable to adjust and fix the lights in special relation to the sides of the dome or reflector. The socket may be turned 180 degrees apart, and locked. Easily wired. Standard finish is polished brass.

TEN IN A STANDARD PACKAGE.

ROTATING SOCKETS.



No. 9002-E—2 light, rotating socket, each ..... JHE $1.00

Sockets have rotating sleeve for attaching without turning the device. By the combined use of sockets and suitable half shades capable of revolving around the axis of the lamp, the light of a given installation may be effectively directed and distributed. When a strong light is not required, an appreciable saving may be made with low candle power lamps. Standard finish is polished brass.

TWENTY-FIVE IN A STANDARD PACKAGE.

SOCKETS, ADAPTERS AND RECEPTACLES.

PORCELAIN SOCKETS.



Edison Base, National Code, 250 Volts.
No. 9395-E—217-E—Key, porcelain, for pendant work .....each **B J** $0.30
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

WEATHER PROOF SOCKETS.



600 Volts, 6 Inch Leads.
No. 9366-E—116-E—Porcelain, each .....**J I** $0.20
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



600 Volts, 6 Inch Leads.
No. 43310-E—Mica .....each **J I** $0.22
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



600 Volts, 6 Inch Leads.
No. 60666-E—Composition.each **A J** $0.22
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

FEDERAL CLAMP SOCKETS.



No. 304-E—Federal, for outlet boxes, each .....**A E** $0.20
Attached to cover by clamping ring.
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

SOCKET BUSHINGS.



No. 9-E—⅛ in., composition socket bushing, full threaded, per hundred .....**C E** $0.75
No. 11-E—⅛ in., composition socket bushing, half threaded, per hundred .....**C E** $0.75
No. 13-E—⅛ in., socket bushing, per hundred .....**J E E** $1.00
ONE THOUSAND IN A STANDARD PACKAGE.

ADAPTERS.



No. 106-E—Non-locking T. H. to Edison base.....each **C** $0.03
No. 107-E—Locking, permanent, T. H. to Edison base.....each **C** $0.03
These are used to change T. H. and Westinghouse sockets so that Edison base lamps may be used in them.

RECEPTACLES.



No. 321-E—Candelabra, keyless sockets, each .....**B A** $0.24
TWO HUNDRED IN A STANDARD PACKAGE.

RECEPTACLES.



Edison Base, 250 Volts.
No. 9411-E—Bottom wires 8 in. long, each .....**A F** $0.35
ONE HUNDRED IN A STANDARD PACKAGE.



Edison Base, National Code, 250 Volts.
No. 2700-E—1700-E—1⅛ in. base, 1¼ in. top, height 1 in. above base, each .....**J H** $0.14
FIVE HUNDRED IN A STANDARD PACKAGE.



One Screw, Edison Base, 250 Volts.
No. 9171-E—Porcelain...each **J F** $0.10
Receptacle is held in place by one screw through center.
FIVE HUNDRED IN A STANDARD PACKAGE.



Two Screw, Edison Base, 250 Volts.
No. 50715-E—9402-E—Porcelain, each .....**J G** $0.15
FIVE HUNDRED IN A STANDARD PACKAGE.



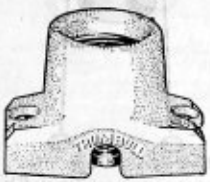
No. 9445-E—Miniature, round base, each .....**E A-B** $0.06
No. 9446-E—Candelabra, round base, each .....**E A-B** $0.06
Candelabra bases should be used for all voltages over 40 volts.
FIVE HUNDRED IN A STANDARD PACKAGE.



No. 888-E—Adapter.....each **J H** $0.10
By using this any candelabara screw base lamp can be fitted to Ediswan base.

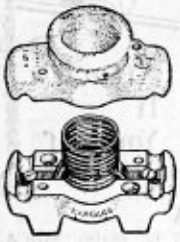
RECEPTACLES AND PLUGS.

ONE-PIECE MOULDING RECEPTACLES.



No. 995-E—2 1/8 in. centers without rim for shade holder .....each **A A** $0.18

WIRE CLEAT RECEPTACLES.



No. 944-E—½ in. base...each **A E** $0.25

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

FLUSH RECEPTACLES.



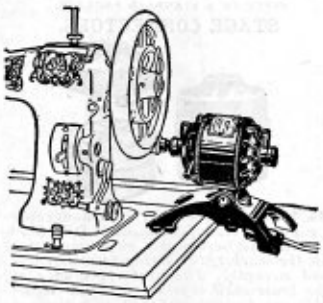
No. 1007-E—Receptacle complete with plate, w't 1 lb.....each **F E** $0.80

No. 1006-E—Brush brass, plate only, w't 1 lb. .....each **D J** $0.50

No. 1005E—Receptacle only, w't ½ lb., each .....**B J** $0.30

Plug not included. Will fit any standard wall boxes. Can supply nickel and oxidized copper plates.

SEWING MACHINE MOTORS.



No. 10-E—Sew-E-Z, instantly attached to any standard make sewing machine, plain or drop head cabinet style, will operate on either direct or alternating current, 60 cycles, 110 volts, consumes no more current than an ordinary lamp, 10 ft. cord and plug, w't each 10 lbs. .....each **A C J J** $15.00

Easily adjusted, no tools or screws. Just place Sew-E-Z on your machine next the wheel. Attach the plug to any electric light socket and place the little pedal on the floor. A slight pressure of your toe starts the wheel.

Don't work your foot, just press a bit harder to go faster. No effort is required; no exertion whatever. So simple a child can operate it. Makes such light work that Grandma can use it. You never touch the wheel; Sew-E-Z makes it turn automatically right. No broken threads; no jerks—just a silent, steady motion which stops the instant you remove foot from pedal—and you sit in any position you please.

DIM-A-LITE.



No. 23-E—Brush brass finish for use with either Mazda or carbon lamps up to 40 watts, 110 volts, not recommended for lamps larger than 40 watts, w't each ¼ lb. .....each **J I J** $1.00

This attachment is for dimming or turning down a single lamp and can be used on either alternating or direct current. Can be supplied for shipment from factory in gun metal finish.

Also for 220 volts at 10c additional.

ONE HUNDRED IN A STANDARD PACKAGE.

SKEDOODLE PLUGS.



No. 130— 8 C. P., 100 to 120 volts, each . . ..**G J** $0.75

No. 131E—16 C. P., 100 to 120 volts, each . . . .**G J** .75

This plug fits any ordinary socket and holds a common lamp, it flashes the lamp on and off many times a minute. Will outlast several lamps. Each plug is complete in itself and independent of every other socket.

No wiring is necessary, any one can put it in place. Lasts indefinitely. Dimensions 1¾ in. long x 1⅛ in. diameter, direct or alternating current.

The uses are almost without limit—in small show cases, show windows, box designs, street fair decorations, stage effects, bull's eye and drum signs, color changing effects. It is quickly installed and easily maintained.

PLUGS, CURRENT TAPS, ETC.

ATTACHMENT PLUGS.



Edison Base, National Code, 250 Volts.
No. 67E—Brass cap, fuseless, each .....**AC** $0.22



No. 16410E.



No. 5406E.

Edison Base, National Code, 250 Volts.
No. 16410E—Mesco, 3 amperes, porcelain cap .....each **AG** $0.25
No. 16411E—Mesco, 3 amperes, rubber cap .....each **BA** $0.30
This plug will separate at any angle. A pull on the cord in any direction will cause plug and cap to separate instantly without imposing the slightest strain on socket or cord, no matter how or where the socket is located.
No. 5406E—Hubbell, porcelain cap, each .....**BA** $0.30
No. 5408E—Composition caps, each .....**BB** .35
TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



¾ Actual Size.

Edison Base, National Code, 250 Volts.

No. 903-E—Benjamin, each .....**AH** $0.25

Rotating sleeve makes it possible to attach plug without turning device. Twisting of cord is unnecessary. Cord is firmly secured and held by cap grip. There are no detachable parts to become lost or broken.
ONE HUNDRED IN A STANDARD PACKAGE.

RECEPTACLE PLUGS.



Edison Base, Polished Brass.

No. 92E—2 light multiple ...each **JGB** $1.00
No. 93E—3 light multiple ...each **JIE** $1.30

Fits any Edison base socket. Receives any combination of lamps and attachment plugs. Converts one light pendant into cluster.
TEN IN A STANDARD PACKAGE.

YOST LOCKFAST PLUG.



No. 400E — Lockfast each ....**AB** $0.25
Connected instantly by inserting and making a slight turn to the right. Disconnected by simply reversing the operation. Easily connected in cramped spaces or where shade is used. Makes "portable" devices really portable.
ONE HUNDRED IN A STANDARD PACKAGE.
TEN IN A BOX.

SOCKET EXTENSIONS.



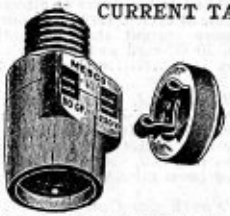
No. 91E—Benjamin, polished brass, each .....**BA** $0.25
Offers a convenient means for attaching glassware where the outlets do not otherwise permit it. Shell is provided with bead for standard shade holder. Is especially serviceable for use in connection with flush sockets and ceiling receptacles. Increases the length of the socket only 1¾ inches.
FIFTY IN A STANDARD PACKAGE.

STAGE CONNECTORS.



No. 16412E—Brass shell, interchangeable cap .....each **DH** $0.70
The most serviceable stage connector on the market, combining attractiveness and strength. The neat appearance of the brass shell together with the separable cap feature makes it an article of pronounced merit. Cap is interchangeable with our other separable cap fittings.
FIFTY IN A STANDARD PACKAGE.

CURRENT TAPS.



Combined Socket and Attachment Plug.
No. 16414E—Glazed porcelain, phosphor bronze contact clips, designed for 250 volts .....each **CD** $0.50
A simple and safe device for tapping and carrying the current from any electric light fixture to motor, drop lights or other electrical devices without the loss of lamp already in fixture.
FIFTY IN A STANDARD PACKAGE.

PHELPS' PULL SOCKETS.



No. 132E—Porcelain insulation, each .....**BC** $0.25
The strings are 13 inches long and are equipped with a white ball to turn the light on and a black ball to turn it out. The white one is corrugated so it can be found in the dark.
For high fixtures and short people. Brings light within easy reach of all. Fits any standard fixture. Works easily and noiselessly.
ONE HUNDRED IN A STANDARD PACKAGE.

TUNGSTEN ADAPTERS.



No. 99-E—Brushed Brass, each **EG** $0.70

TWENTY-FIVE IN A STANDARD PACKAGE.

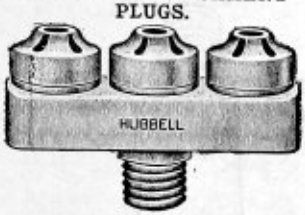
JUST PULL SOCKET ATTACHMENTS.



No. 1-E—7 in. chains, each **AJ** $0.25
No. 2-E—10 in. chains, each **AC** .23
Should be used on all stationary fixtures for turning on or off the light. The handiest and cheapest "Light Pull" on the market.
Readily adjusted by springing clamps to fit key. Grasp around socket with left hand firmly holding flat sides of key between thumb and index finger. Holding "Just-Pull" attachment in right hand, spring clamps over full length of key until each shoulder slips into place, then pinch until attachment fits tight.
SOCKETS NOT INCLUDED. With first order for one gross, manufacturer will furnish free, counter display stand.

PORCELAIN CLEATS, KNOBS, TUBES AND BUSHINGS.

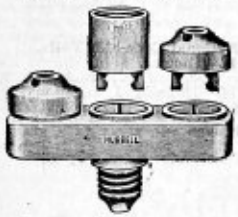
MULTIPLE ATTACHMENT PLUGS.



250 Volts, 660 Watts.

No. 5327E—Multiple plug base, with through accoutrements, each ..... **AJJ** $1.50

TEN IN A STANDARD PACKAGE. W'T OF STANDARD PACKAGE 10 LBS.

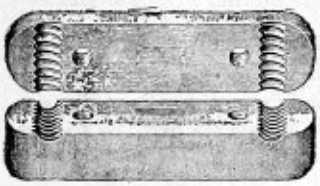


250 Volts, 660 Watts.

No. 5331E—Multiple plug, lamp base, two outlets, one lamp base, each ..... **AJJ** $1.50

TEN IN A STANDARD PACKAGE. W'T OF STANDARD PACKAGE 10 LBS.

PORCELAIN CLEATS.



No. 380E—Two wire, glazed, 3⅛x1⅛x⅝ in. .....per 1000 **AFJJ** $26.00

No. 381E—Two wire, unglazed, 3⅛x1⅛x⅝ in. .....p..er 1000 **AJJJ** $20.00

No. 3800E—Three wire, glazed, 3⅛x1⅛x⅝ in. .....per 1000 **AFJJ** $26.00

No. 3810E—Three wire, unglazed, 3⅛x1⅛x⅝ in. .....per 1000 **AFJJ** $20.00

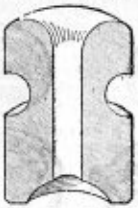
ABOUT 2200 IN A STANDARD PACKAGE. W'T PER THOUSAND ABOUT 200 LBS.



No. 328-E—Single wire glazed, 1¼ in. high long, wide groove 2x¾x⅜ in., per 1000 ..... **AGGJ** $26.68

ABOUT 2500 IN A STANDARD PACKAGE.

PORCELAIN KNOBS.



No. 4E—1½ in. wide, 1⅛ in. high, ⅜ in. groove and ⅜ in. hole, w't per thousand 185 lbs. ....per 1000 **AJDE** $17.00

ABOUT 2200 IN A STANDARD PACKAGE.

No. 4½E—1½ in. wide, 1⅜ in. high, ⅞ in. groove and ⅜ in. hole, w't per thousand 202 lbs., per 1000 **AAGJ** $19.00

ABOUT 2000 IN A STANDARD PACKAGE.

No. 5E—1 in. wide, 1¼ in. high, ⅞ in. groove and ½ in. hole, w't per thousand 65 lbs. .....per 1000 **JFCJ** $12.00

ABOUT 6000 IN A STANDARD PACKAGE.

No. 5½E—1 in. wide, 1⅞ in. high, ⅞ in. groove and ¼ in. hole, w't per thousand 100 lbs., per 1000 **JFCJ** $12.00

Nos. 4½E and 5½E fulfill the requirements of the National Board of Fire Underwriters. Nos. 4E and 5E do not fulfill these requirements but can of course be used for any outdoor work if desired.

ABOUT 5500 IN A STANDARD PACKAGE.

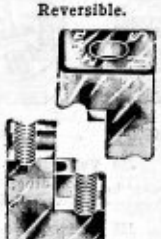
SPLIT KNOBS.



No. 1849-E—05½E—Split, two groove, 1⅝ in. high, 1 in. diam, ⅞ in. hole, for ¼ in. wire or finer, w't per M 100 lbs., per 1000 ..... **AADE** $20.00

ABOUT 4500 IN A STANDARD PACKAGE.

Reversible.



No. 55½E—For No. 12 wire and smaller, w't per thousand about 130 lbs., per 1000 ..... **AHEE** $22.00

ABOUT 4000 IN A STANDARD BARREL.

PORCELAIN TUBES.



No. 2516E—2½ in. long, ⅞ in. hole, ⅞ in. outside diam., per 1000 ..... **JDBJ** $15.00

ABOUT 6000 IN A STANDARD PACKAGE.

No. 3516E—3 in. long, ⅞ in. hole, ⅞ in. outside diam. ..per 1000 **JDDE** $16.00

ABOUT 5200 IN A STANDARD PACKAGE.

No. 4516E—4 in. long, ⅞ in. hole, ⅞ in. outside diam. ..per 1000 **JGEJ** $27.00

ABOUT 3600 IN A STANDARD PACKAGE.

No. 6516E—6 in. long, ⅞ in. hole, ⅞ in. outside diam. ..per 1000 **AJHJ** $39.00

ABOUT 2500 IN A STANDARD PACKAGE.

No. 338E—3 in. long, ⅜ in. hole, ⅟₂ in. outside diam. ..per 1000 **JGBJ** $26.00

ABOUT 3400 IN A STANDARD PACKAGE.

No. 438E—4 in. long, ⅜ in. hole, ⅟₂ in. outside diam. ..per 1000 **JHCJ** $30.00

ABOUT 2700 IN A STANDARD PACKAGE.

No. 638E—6 in. long, ⅜ in. hole, ⅟₂ in. outside diam. ..per 1000 **ABDE** $45.00

ABOUT 2150 IN A STANDARD PACKAGE.

No. 10516E—10 in. long, ⅞ in. hole, ⅞ in. outside diam., per 1000 ..... **CIDJ** $96.00

ABOUT 1500 IN A STANDARD PACKAGE.

No. 12516E—12 in. long, ⅞ in. hole, ⅞ in. outside diam., per 1000 ..... **JEIJE** $144.00

ABOUT 1000 IN A STANDARD PACKAGE.

BUSHINGS.



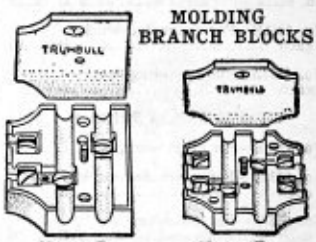
Federal.

Nos.	81E(A1)	81½(A1½)
Internal diam., in.	9-32	9-32
External diam., in.	41-64	⅝
Each	$0.04½	.05
	C	D

No.	82E(A2)
Internal diam., in.	13-32
External diam., in.	⅝
Each	$0.05
	D

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

MOLDING BRANCH BLOCKS



No. 901E. No. 902E.

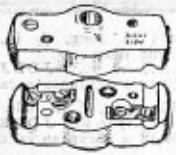
No. 901E—Two wire, single branch, each ..... **AC** $0.2

No. 902E—Two wire, double branch, each ..... **AI** $0.3

ONE HUNDRED IN A STANDARD PACKAG

ROSETTES AND CEILING BUTTONS.

WIRE CLEAT ROSETTES.



Fuseless.

No. 749E—½ in. base, 3 in. long, 1 in. wide .....each **J H** $0.13½

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

SURFACE MOULDING ROSETTE.



Fuseless.

No. 747E—Each .....**J G** $0.12

TEN IN A BOX; TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

PORCELAIN SWITCH BASES.



No. 6337E.

For 5 Ampere Switches.

No. 6330E—For cleat work, each **D** $0.05

No. 6331E—For concealed work, each .....**D** .05

No. 6332E—For moulding work, each .....**D** .05

For 10 Ampere Switches.

No. 6335E—For cleat work, each **E** .05

No. 6336E—For concealed work, each .....**E** .05

No. 6337E—For moulding work, each .....**E** .05

For Wall Sockets.

No. 6340E—For use at end of moulding, each .....**E** $0.05

ONE HUNDRED IN A STANDARD PACKAGE.

ROSETTES.



No. 752E. No. 753.

250 Volts.

No. 752E—2½ in. cleat, fuseless, each .....**J I** $0.15

No. 753E—2½ in., concealed, fuseless, each .....**J I** $0.15

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



No. 762E. No. 763E.

125 Volts.

No. 762E (No. 400E)—2½ in., cleat, fusible .....each **A J** $0.18

Can be used as fuseless if desired.

No. 763E (No. 390E)—2½ in., concealed, fusible .....each **A J** $0.18

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



No. 754E. No. 764E.

250 Volts.

No. 754E—2½ in., moulding, fuseless, each .....**J I** $0.15

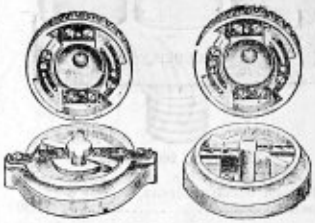
125 Volts.

No. 764E—2½ in., moulding, fusible, each .....**A J** $0.18

Can be used as fuseless if desired.

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

ROSETTES.



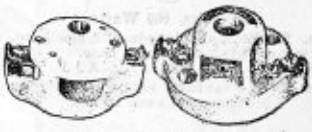
No. 3414E. No. 3415E.

National Code, 125 Volts.

No. 3414E—Thomas, 3 in. diam., cleat, fusible .....each **A G** $0.26

No. 3415E—Thomas, 3 in. diam., concealed, fusible .....each **A G** $0.26

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.



No. 751E. No. 985E.

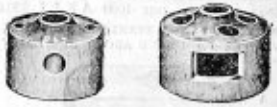
No. 751E (603E)—2½ in., one piece, each .....**J F** $0.10

FIVE HUNDRED IN A STANDARD PACKAGE.

No. 985E (No. 602E)—2½ in., cleat, one piece, fuseless .....each **J I** $0.15

TWO HUNDRED AND FIFTY IN A STANDARD PACKAGE.

CEILING BUTTONS.



No. 70E. No. 170E.

250 Volts.

No. 70E—1⅛ in., glazed, high insulation .....per hundred **B J J** $4.20

250 Volts.

No. 170E—2 in., glazed, self-tying, per hundred .....**B D J** $5.80

FIVE HUNDRED IN A STANDARD PACKAGE.

LAMP GUARDS, ELECTROGRIPS AND CORD ADJUSTERS.

LAMP GUARDS.



STANDARD, 15 Gauge Steel Wire, Heavily Tinned, Strengthened with Two Sliding Wire Rings, with Safety Cushion.

No. 316-E—For 16 C. P. lamps, per dozen.....ADE $2.00
No. 332-E—For 32 C. P. lamps, per dozen .....AFJ $2.50

The mere closing of the guard over the lamp fastens it automatically and securely to the socket. Being attached to the socket instead of the lamp it throws no weight on the bulb.

The operation is simple. The half open guard is held well up on the socket, the lamp is inserted in place and the large ring slipped down as far as it will go, thus closing the guard and securing it to the socket at the same time.

The safety cushion holds the lamp perfectly rigid and prevents it jarring loose from the socket by vibration of the building or factory in which it is used.



Are made to stand the rough usage — can be hung anywhere, handled anywhere —and give the lamp perfect protection. Yet there is no interference with the light. A big money saver.

One key with every dozen guards. In ordering guard for W. P. sockets specify MAKE AND NO. OF SOCKET.

No. 1425-E—Loxon, for 25 to 60 watt Tungsten lamps, 110 volt, standard socket .....per dozen CFJ $5.00

No. 1426-E—Loxon, for 40 to 60 watt Tungsten lamps, 220 volt, standard socket .....per dozen CHJ $6.30

No. 1427-E—Loxon, for 25 to 60 watt Tungsten, weatherproof socket, per dozen .....CHJ $6.00

No. 2444-E—Loxon, for 100 watt Tungsten lamp, standard socket, per dozen .....EGE $9.60

Extra Keys .....per dozen JGJ 1.20

The Loxon Lamp Guard which locks the lamp into the socket with a key does this double duty at a single cost it prevents theft as well as breakage.

LAMP GUARDS.

A strong rigid guard, open at bottom, that affords absolute protection to the lamp without interfering with its insertion or removal.



No. 1429-E—Protector "O" for 16 C. P. lamp, standard socket, per dozen .....AHJ $3.00

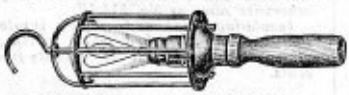


No. 66-E—Spiral tinned, piano wire, for 16 candle power lamp, no fastening necessary, spring adjusts itself to lamp, per dozen...JGE $2.00

PORTABLE LAMP GUARDS.



No. 4672-E—Standard, for 16 C. P. lamp, with porcelain keyless socket rigidly embeded in handle, per dozen .....AHJJ $36.00



No. 4645-E—Crescent, for 16 C. P. lamp, without socket, per doz. ADDJ $24.00

No socket is supplied with this guard but any ⅝ in. standard brass shell socket can be used.

ELECTROGRIPS.

These grips are used on drop lights for the purpose of raising or lowering the bulb. It grips the cord or fastening at any point, making the light hang high or low as desired.



No. 72-E—Per dozen.....BAJ $3.00

"TWO-BALL" CORD ADJUSTERS.



This adjuster is a device for automatically maintaining an electric droplight at any desired height. It consists of two balls, fitted with grooved pulleys of insulating material, through which the lamp cord runs. The lower ball acts as a counterbalance to the lamp. Can be used on any droplight.

No. 1112-E—Black enamel, each .....JHC $1.20
No. 1113-E—Aluminm finish, each .....JHC 1.20
No. 1114-E—Gold bronze finish, each .....JHC 1.20
No. 1115-E—Polished brass, Each .....ACJ 2.00
No. 1116-E—Oxidized brass, Each .....ACJ 2.00
No. 1117-E—Nickel plated, Each .....ACJ 2.00

CORD ADJUSTERS.



No. 13-E—Peanut, black enamel, per 100 .....JEE $2.00



No. 14-E—Ball, black enamel, per 100 .....JEE $2.00



No. 15-E—Universal, Standard black enamel, 3⅜ in. long, per 100 .....CFJ $7.00

HARTER FIXTURES.

HARTER CLUSTERS.

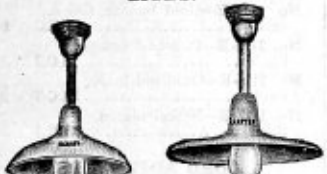


18 Inch Opal Glass Shade, 8 Inch Steel Enamel Reflecting Plate, 15 Inch Stem, 1 Inch Casing, Brass Canopy and 8 Inch Brass Holder, Brush Brass Finish, Furnished with Crowfoot and Wired with No. 14, Ready to Hang, No Insulating Joint or Canopy Insulation Required.

Nos.	120E	1120E	2120E	3120E
No. lights	2	3	4	5
Size of reflector, in.	18	18	18	18
Each, less lamps and switch	$5.50	5.75	6.00	6.25
	BIE	CAJ	CBE	CDJ

For single switch and 4 feet of cord, add to list .....JFJ $1.00
For double switch and 4 feet of 3-conductor cord, ...add to list ABJ $2.00
May be arranged to switch off two lights at a time.
Most economical satisfactory fixture for lighting Stores.

HARTER INDUSTRIAL UNITLITES.



No. 1212E. No. 1114E.

Bowl Type.

No. 1212E—12 in., for 25 to 60 watt lamp, without lamps .....each **BJJ** $3.75
No. 1216E—16 in., for 100 to 250 watt lamp, without lamps, each **BDE** $4.55
No. 1218E—18 in., for 250 watt lamp, without lamps .....each **BGE** $5.05

Flat Type.

No. 1114E—14 in., for 25 to 60 watt lamp, without lamps .....each **BJJ** $3.75
No. 1118E—18 in., for 100 to 250 watt lamp, without lamps, each **BDE** $4.55
No. 11200E—20 in., for 250 watt lamp, without lamps .....each **BGE** $5.05

Made for both indoor and outdoor lighting. Fixture consists of a one-piece porcelain fire enameled steel reflector with movable socket so that light may be spread or concentrated and different size lamps may be properly positioned.
Attaching nipple is made of brass and allows shade to be raised, making socket accessible for adjustment and for easy wiring.
Fixtures are complete with 12 in. black enameled stem and canopy, crowfoot and wired with No. 14 new code wire.

HARTER COMMERCIAL UNITLITES.



No. 514AE. No. 419AE.

Length of Fixture Over All as Shown 28 Inches.

No. 514AE—With 2¼ in. shade holder, furnished without glassware and lamps .....each **AFJ** $3.00
No. 514BE—With 3¼ in. shade holder, furnished without glassware and lamps .....each **AHE** $3.10
With adjustable socket, so that different size lamps and shades may be used, brass holder, brass stem and brass canopy; all furnished in brushed brass.
Furnished with crowfoot wired No. 14 duplex wire, therefore no insulating joint or canopy insulation is required.
No. 515AE—With 2¼ in. shade holder furnished without glassware and lamps .....each **ACE** $2.50
No. 515BE—With 3¼ in. shade holder, furnished without glassware and lamps .....each **AEE** $2.60
Nos. 515AE and 515BE have iron stem and are finished in black enamel, otherwise same as Nos. 514AE and 514BE.
No. 419AE—With 2¼ in. shade holder, furnished without glassware and lamps .....each **AIJ** $3.50
No. 419BE—With 3¼ in. shade holder, furnished without glassware and lamps .....each **AIE** $3.60
Has chain stem, wired with yellow silk cord and crowfoot ready to hang, otherwise same as No. 514AE.
Insulating joint and canopy insulation will be furnished when specified at an additional cost of seventy-five cents.

HARTER ADJUSTABLE ANGLELITE.



Fire Enameled, Black Outside and White Inside, Sockets Are Adjustable, Any Size Lamp May Be Used.

No. 310-E—Diam. 10 in., for 40, 60 watt lamp, furnished without lamps, wiring and stem .....each **AIJ** $3.50
No. 312-E—Diam. 12 in., for 100 watt lamp, furnished without lamps, wiring and stem .....each **BDE** $4.50
Specially adapted for illuminating Show-windows and Signboards, light may be spread or concentrated at will. Unbreakable, efficient and easily cleaned.

CEILING LIGHTS.



No. 914-E Glolite. No. 818-E Shad-o-less.

No. 914E—With 18 in. ring and 14 in. special glass bowl ready to hang, each .....JHBJ $15.20

This is a semi-indirect fixture so called because light is partly reflected from the ceiling and partly diffused through special glass bowl. Its soft glowing light especially adapts fixture to the restful illumination of Theaters, Hospitals, Public Buildings and Stores. Metal parts are all porcelain fire enameled steel, socket and holding-nut are porcelain and chain is nickeled, which makes it permanently all white.

Furnished with crowfoot all wired with No. 14 double braid wire so no insulating joint or canopy insulation is required.

Nos.	818-E	822-E
Diam. of reflector, in...	18	22
Lamp, watts	150,250	250
Each, less lamps	$13.90	16.90
	JGEJ	JIAE

This indirect fixture does away with all eye strain and with a light colored ceiling brings an illumination like daylight into your Office and Store.

Canopy, stem and bowl, all are porcelain fire enameled steel with porcelain socket and holding-nut and nickeled chains.

The fixture being permanently all white gives that much desired impression of cleanliness.

Wired complete with No. 14 double braid wire, so does not require insulation joint or canopy insulation.

NITROLITES AND ELECTRICAL SUPPLIES.

NITROLITES.

These fixtures are specially made for the new nitrogen lamps, 250 to 1000 watts, and are equipped with Harter mogul sockets which may be adjusted without disturbing wires.

They have fire enameled reflecting plates and are thoroughly ventilated. Globes are cased glass and of the pear shape type.



For Indoor Use.

No. 514½-E—Brass, brush brass finish, 30 in. over all, wired complete except lamp .....each **EGJ** $9.50



For Outdoor Use.

No. 511½-E—Copper, black finish, with 4 ft. ¾ in. pipe, chains, expansion rings, spearhead, wall flange, wired complete, except lamps, each .....**JGJJ** $11.70

FLEXIBLE CONDUIT.



FJ-AJ%.

National Electrical Code Standard.

No. 50-E—¼ in. inside diameter, 250 ft. in coil, w't per 1000 ft. 75 lbs., per foot $0.06

No. 51-E—⅜ in. inside diameter, 250 ft. in coil, w't per 1000 ft. 110 lbs., per foot $0.09

No. 52-E—½ in. inside diameter, 200 ft. in coil, w't per 1000 ft. 125 lbs., per foot $0.12

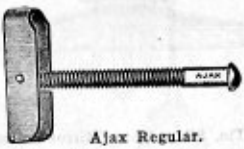
No. 53-E—⅝ in. inside diameter, 200 ft. in coil, w't per 1000 ft. 155 lbs., per foot $0.15

No. 54-E—¾ in. inside diameter, 150 ft. in coil, w't per 1000 ft. 200 lbs., per foot $0.18

No. 50-E is by far the most staple size.

TOGGLE BOLTS.

Entire Column **DJ%.**



Ajax Regular.

No. 3161-E—⅛x3 in., per hundred		$3.40
No. 3162-E—⅛x4 in., per hundred		3.80
No. 3163-E—$\frac{5}{32}$x3 in., per hundred		3.60
No. 3164-E—$\frac{5}{32}$x4 in., per hundred		4.00
No. 3166-E—$\frac{5}{32}$x6 in., per hundred		4.80
No. 3167-E—¼x3 in., per hundred		4.00
No. 3168-E—¼x4 in., per hundred		4.40
No. 3169-E—¼x6 in., per hundred		5.20



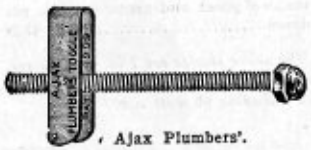
Ajax Flat.

No. 6163-E—$\frac{3}{16}$x3 in., per hundred		$3.20
No. 6164-E—$\frac{3}{16}$x4 in., per hundred		3.40
No. 6167-E—¼x3 in., per hundred		4.00
No. 6168-E—¼x4 in., per hundred		4.40
No. 6169-E—¼x6 in., per hundred		5.20



Ajax Moulding.

No. 5180-E—⅛x3 in., per hundred		$3.40
No. 5181-E—⅛x4 in., per hundred		3.80
No. 5182-E—$\frac{5}{32}$x3 in., per hundred		3.60
No. 5183-E—$\frac{5}{32}$x4 in., per hundred		4.00
No. 5184-E—¼x3 in., per hundred		4.00
No. 5185-E—¼x4 in., per hundred		$4.40



Ajax Plumbers'.

No. 4140-E—$\frac{5}{16}$x3 in., per hundred		$6.60
No. 4142-E—$\frac{5}{16}$x4 in., per hundred		7.00
No. 4145-E—¼x4 in., per hundred		8.40

Removable ornamental head for bolt, so it can be inserted in wall before object is slipped over bolt, on putting cap into place whole bolt is inserted into wall, hiding surplus thread from view, nickel hexagon caps.

FIFTY IN A BOX.

SHADE HOLDERS.



No. 80-E—2¼ in., polished brass, per dozen .....**JDB** $1.00
No. 82-E—2¼ in., brush brass, per dozen .....**JDE** $1.25
No. 86-E—2¼ in., oxidized copper, per dozen .....**JEJ** $1.25
No. 81-E—3¼ in., polished brass, per dozen .....**JFE** $1.50
No. 83-E—3¼ in., brush brass, per dozen .....**JGJ** $1.75
No. 87-E—3¼ in., oxidized copper, per dozen .....**JHE** $1.75



No. 5339-E—2¼ in., Hubbell, polished brass .....per dozen **EE** $0.75
No. 5338-E—2¼ in., Hubbell, brush brass .....per dozen **EE** $0.85
No. 5337-E—2¼ in., Hubbell, oxidized copper .....per dozen **JFE** $1.00
No. 5340-E—3¼ in., Hubbell, polished brass .....per dozen **JIE** $1.50

It may be attached to any standard socket without the use of tools, and is as firmly held in place as if it were a part of the shelf itself.

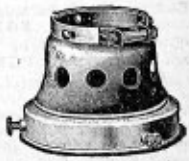


Form "H."

No. 600-E—2¼ in., polished brass, per dozen .....**AGJ** $1.80
No. 601-E—2¼ in., brush brass, per dozen .....**AGJ** $2.00
No. 602-E—2¼ in., oxidized copper, per dozen .....**BBJ** $2.30

These holders are for use with special Holophane reflectors and are not recommended for other shades.

ONE HUNDRED IN A STANDARD PACKAGE.



No. 2601-E—2¼ in., brush brass, per dozen .....**AJJ** $2.00
No. 2602-E—2¼ in., oxidized copper, per dozen .....**ABJ** $2.30

ELECTRIC LIGHT SHADES.



Deep Cone, Porcelain, Green Outside, White Inside.

No. 627-E—7 in., for 2¼ in. holder, per dozen ..... CIE $6.25

No. 630-E—10 in., for 2¼ in. holder, per dozen ..... JFGJ $10.00



Deep Cone, Tin, Green Outside, White Inside.

No. 408-E—8 in., standard, for 2¼ in. holder.....per dozen AGJ $2.25

No. 410-E—10 in., standard, for 2¼ in. holder.....per dozen BAJ $3.00

No. 412-E—12 in., standard, for 2¼ in. holder.....per dozen BFE $4.00

Prices do not include lamps, sockets or shade holders.



Hubbell, Tin, Green Outside, White Inside.

No. 5440-E—8 in., deep cone, holder attached.....per dozen CJE $3.50

No. 5441-E—10 in., deep cone, holder attached.....per dozen CDJ $3.80

The feature about these shades is that they have the Hubbell holder attached.



Deep Tin Cone, Silver Plated Mirror Reflector, Green Outside.

No. 2107-E—7 in., for 2¼ in. holder, per dozen ..... FGE $10.80

No. 2108-E—10 in., for 2¼ in. holder, per dozen..... FGE $12.00

For use where a very powerful light is wanted on a small space, is lined with silver plated imported mirror plated glass and increases the light from twelve to fifteen times. Very valuable for show window lighting and machine work, benches, type cases, desks, etc.

Prices do not include lamps, sockets or shade holders.



Flat Tin, Silver Plated Mirror Reflector, Green Outside.

No. 1910-E—10 in. for 2¼ in. holder per dozen ..... FCE $10.20

No. 1914-E—14 in., for 2¼ in. holder, per dozen ..... JIJJ $14.00

No. 1916-E—16 in., for 3¼ in. holder, per dozen..... AABE $18.00

For use with any system of incandescent electric light when it s desired to spread the light. Its silver plated mirror lining makes it most effective and pleasing.

Prices do not include lamps, sockets or shade holders.



No. 1186-E—Solid brass, equipped with "snap on" holder, brush brass outside, aluminum frosted inside, per dozen ..... GBJ $9.00

No. 1187-E—Same as above except oxidized copper finish, per dozen ..... JHAE $10.20

No. 1166-E—Same as No. 1186-E except made of steel and green outside, per dozen ..... EGE $7.20

The above shades are 7 in. in diameter, 3¼ in. deep and will take a lamp up to and including 60 watt size.



No. 1175½-E—"Hand" shade, green outside ,aluminum frosted inside, 6 in. long, 1½ in. deep, 3¼ in. wide, per dozen ..... CHJ $4.80



Scalloped.

No. 556-E—6 in., opal, for 2¼ in. holder, per dozen..... JIE $1.63

No. 557-E—7 in., opal, for 2¼ in. holder, per dozen..... AJE $1.88



Flint.

No. 608-E—8 in., opal, for 2¼ in. holder, per dozen..... AAJ $2.00

No. 610-E—10 in., opal, for 2¼ in. holder, per dozen..... ADE $2.50

No. 614-E—14 in., opal, for 3¼ in. holder, per dozen..... CJE $6.00

No. 616-E—16 in., opal, for 3¼ in. holder, per dozen..... DBE $8.00



Deep Cone, Crimped.

No. 967-E—7 in., opal, for 2¼ in. holder, per dozen..... AAJ $1.88



Flat, Crimped.

No. 958-E—8 in., opal, for 2¼ in. holder, per dozen ..... AAJ $2.00

No. 960-E—10 in., opal, for 2¼ in. holder, per dozen ..... ADE $2.50



Orchestra.

No. 136-E—Gold outside, bright tin inside.....per dozen AJHJ $12.00



Pulpit.

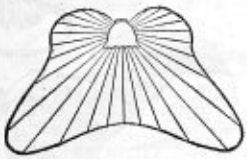
No. 138-E—Gold Bronze, per dozen ..... BAFJ $24.00

REFLECTORS.

"HOLOPHANE."



Extensive Type.



Distribution of Extensive Reflector.

No. XE25-E—Clear, diam. 5⅞ in., height 3¾ in., for form O holder, used with 25 watt Mazda lamp, each .....**JFE** $0.90

TWENTY IN A STANDARD PACKAGE.

No. XE40-E—Clear, diam. 6¼ in., height 4½ in., for form O holder, used with 40 watt Mazda lamp, each .....**JGJ** $1.05

TEN IN A STANDARD PACKAGE.

No. XE60-E—Clear, diam. 7 in., height 5 in., for a form H. holder, used with 60 watt Mazda lamp, each .....**JHJ** $1.15

TEN IN A STANDARD PACKAGE.

No. XE100-E—Clear, diam. 8 in., height 5⅝ in., for form H. holder, used with 100 watt Mazda lamp, each .....**AJJ** $1.50

TEN IN A STANDARD PACKAGE.

SHADE HOLDERS WILL NOT BE SHIPPED UNLESS ORDERED. The special holders specified for shades and lamps should always be used to get the proper reflector value.

"MOONSTONE DORIC."



No. 1202-E.

No. 1200-E—Diam. 5 in., depth 3½ in., fitter 2¼ in., for 25 watt lamps, short holder .....per dozen **JDAJ** $12.00

SIX DOZEN IN A BARREL.

No. 1201-E—Diam. 5¼ in., depth 4⅝ in., fitter 2¼ in., for 40 watt lamps, short holder .....per dozen **JDHJ** $12.00

FIVE DOZEN IN A BARREL.

No. 1202-E—Diam. 7¼ in., depth 4¾ in., fitter 2¼ in., for 60 watt lamps, form H or long holder, per dozen .....**JFFJ** $14.40

THREE AND ONE-HALF DOZEN IN A BARREL.

No. 1203-E—Diam. 8 in., depth 6⅝ in., fitter 2¼ in., for 100 watt lamps, form H or long holder, per dozen .....**JIFJ** $21.00

TWO DOZEN IN A BARREL.



No. 1212-E.

No. 1210-E—Diam. 7¼ in., depth 3⅝ in., fitter 2¼ in., for 25 or 40 watt lamps, form short holder, per dozen .....**JDBJ** $12.00

FIVE DOZEN IN A BARREL.

No. 1212-E—Diam. 9⅛ in., depth 3⅝ in., fitter 2¼ in., for 60 watt lamps, form H, or long holder, per dozen .....**JFFJ** $14.40

TWO AND ONE-HALF DOZEN IN A BARREL.

No. 1213-E—Diam. 11 in., depth 4½ in., fitter 2¼ in., for 100 watt lamps, form H, or long holder, per dozen .....**JIFJ** $21.00

ONE AND ONE-HALF DOZEN IN A BARREL.

HOLDERS NOT FURNISHED.

Moonstone Doric Reflectors are designed to give the highest possible efficiency where used in connection with light source of great brilliancy producing the best results for maximum of diffusion—minimum of glare—distribution of the fixtures, eye comfort, color of light.

The light transmitted by moonstone Doric reflectors is totally different compared to opal, opalescant, ground glass or prismatic shades. The Moonstone Doric reflectors are free from shadows or dark spots when lighted. The entire surface is diffusive and of marble whiteness, soft and pleasing. Since the introduction of high efficiency light source occulists say eye strain has largely increased. The Moonstone Doric reflector will relieve the eyes. No other globe can compare with Moonstone for effective street illumination. Maximum of distribution and no shadows. Pure white free from sharp uncertain light rays and shadows.

"X-RAY."



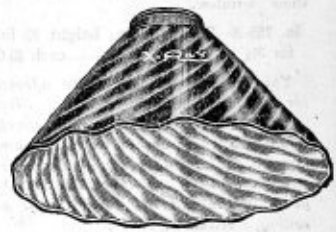
Pure Silver Plated, Protected by Special Process.

No. 765-E—Bee Hive, diam. 10½ in., height 11¼ in., furnished for 3¼ in. holder, w't per doz. 48 lbs., per dozen .....**DCAE** $54.00

This reflector is designed for lighting large interiors, factories, foundries, machine shops and halls. Should be used on high ceilings, placed close to the ceiling, when so used it will spread the light evenly over large areas, giving a brilliant illumination.

Use 100, 150 *and* 250 *Watt Mazda lamps.*

FOUR IN A STANDARD PACKAGE.



Pure Silver Plated, Protected by Special Process.

No. 700-E—Diam. 10 in., height 5½ in., holder 2¼ in., w't per doz. 25 lbs., per dozen .....**ADCE** $18.00

This new reflector is blown into a mould instead of being hand formed, hence will be uniform in shape, size and corrugations. This style reflector gives notably excellent results for billiard table lighting, five lamps being hung over the table, one in the center and one over each corner.

EIGHTEEN IN A STANDARD PACKAGE.

No. 696-E—Diam. 8 in., height 5 in., holder 2¼ in., same shape as No. 700-E .....per dozen **ABJJ** $15.00

TWENTY-FOUR IN A STANDARD PACKAGE.

X-RAY REFLECTORS.

Plated with Pure Silver and Protected by Special Process.

Entire Page Disc. **B J %.**

HELMET.



Figure 1 showing corrugations which break up and prevent the sharp streaks of light usually found in mirror reflectors. It is a very powerful and concentrating reflector.



Figure 2 showing Helmet installed in show window.

No. 755-E—Diam. 12 in., height 10 in., for 3¼ in. holder .....each $5.00

This reflector is especially adapted for high shallow show windows. Gives 900 c. p. downward over a comparatively small area where an 100 watt c. p. lamp is used. Flat side goes to window or street, throwing all the light on the goods in the window, wasting none on ceiling, sidewalk or street.

100 or 150 Watt Mazda lamps should be used in this reflector. To find if Helmet is adapted to any window, measure depth from window pane to back, height from floor to point where lamps are to be placed, subtract 7 feet from this height, divide the depth by the remainder so obtained, if the result is less than 1½ use Helmet reflectors, if more, use the scoop or poke bonnet.

Usually spaced 2 to 4 feet apart. If in doubt, write us, giving dimensions of window, height, length and breadth, kind of goods usually shown and how lighted now.

FOUR IN A STANDARD PACKAGE.

SCOOP.



Figure 1 showing corrugations and position of lamp in scoop.



Figure 2 showin scoop installed in show window.

No. 777-E—Height 6¼ in., width 9 in., depth 7½ in. .....each $3.00

This reflector is one of the latest types for the average sized show window. It is designed to use the 60 or 100 Watt Mazda lamp. It gives an even distribution of light all over its effective range, throwing all the light upon the goods shown in the window and wastes none on the street or ceiling.

If in doubt, write us, giving dimensions of windows, height, length, depth, kind of goods usually displayed and how lighted now.

SIXTEEN IN A STANDARD PACKAGE.

POKE BONNET.



Figure 1 showing twin socket and corrugations.



Figure 2 showing adjustable fork, armored cord and plug.

No. 750-E—Length 14 in., width 7 in., depth 3¼ in., complete .....each $6.50

The reflector is furnished wired complete with adjustable attachment, twin socket, bushings, 18 inches of round reinforced window cord and attachment plug.

It has the same strong reflecting qualities as the other reflectors on this page and is designed for low shallow windows. Placed end to end it becomes a continuous trough reflector of the highest efficiency, utilizing all of the light and distributing it any desired angle by the use of the adjustable holder shown in Figure 2.

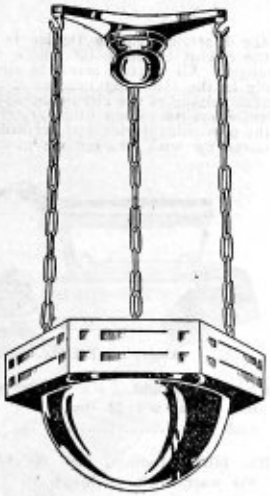
Use in low windows, 5 to 10 feet high, close to ceiling, and front of windows with short flat side to street side of window with 25, 40 and 60 watt Mazda lamps.

Usually installed on from 2 to 4 feet centers.

If in doubt, write us, giving dimensions of windows, height, length, depth, kind of goods usually displayed and how lighted now.

EIGHT IN A STANDARD PACKAGE.

FIXTURES FOR INDIRECT ILLUMINATION.



No. 41-RE—Spun and drawn from heavy sheet brass, wired complete with keyless socket, silk cord and insulating joint, for ⅜ in. gas pipe, brush brass finish, diam. 14 in., depth 8 in., for one 60 or 100 watt Mazda lamp, each .....**ADBJ** $22.00



No. 84-BE—Spun and drawn from heavy sheet brass, wired complete with keyless socket, silk cord and insulating joint for ⅜ in. gas pipe, brush brass finish, diam. 18 in., depth 6 in., for four 60 watt Mazda lamps, each .....**BEBJ** $35.00



No. 31-RE—Bowl drawn from heavy sheet brass, extension and ceiling plate, ornamented castings, wired complete with keyless sockets, silk cord, and insulating joint for ⅜ in. gas pipe, satin finish with brush brass high lights, diam. 13 in., depth 8 in., for one 60 or one 100 watt Mazda lamp .....each **ADBJ** $19.75

No. 31-NE—For one 150 watt Mazda lamp, otherwise same as No. 31-RE, each .....**ADIE** $20.75



No. 1251-GE—Steel fixture, standard finish, No. 28 washable, diam. 14 in., depth 6 in., for one 300 watt type C lamp .....each **AJHJ** $15.00

No. 1251-HE—For one 400 watt or 500 watt gas filled lamp, otherwise same as No. 1251-GE ....each **AAEJ** $16.00



No. 1221-GE—Steel fixture, flat white finish, diam. 18½ in., depth 9½ in., for one 300 watt type C lamp, each .....**ACEJ** $18.75

No. 1221-HE—For one 400 or 500 watt type C lamp, otherwise same as No. 1221-GE .....each **ADBJ** $19.75

No. 1221-PE—For one 750 or 1000 watt type C lamp, otherwise same as No. 1221-GE .....each **ADIE** $20.75



No. 1151-PE—Steel fixture, flat white finish, diameter 18 in., depth 9 in., for one 750 or 1000 watt type C lamp, each .....**BJGJ** $28.75

No. 1151-HE—For one 400 or 500 watt lamp, otherwise same as No. 1151-PE, each .....**BJAJ** $27.75

We also recommend Old Ivory (No. 27-15 washable) finish at 10% extra.

FIXTURES WILL BE FURNISHED IN FINISHES SPECIFIED. IF OTHER FINISHES ARE WANTED, AN ADDITIONAL CHARGE OF FROM 10 TO 25% LAMPS NOT INCLUDED.

ELECTRIC IRONS.

Always Specify Voltage.

Voltages vary throughout the country. Satisfaction results when the voltage of the Electric Heating Device is in harmony with that of the circuit on which it is used, particularly the voltage of the circuit at the point where the device is connected. Most of our devices are made in the following wide voltage ranges. All electric irons, toasters, water heaters, disc heaters, percolators, tea kettles, curling iron heaters, etc., are made in the following ranges: 95-104, 105-114, 115-125, 190-209, 210-229 and 230-250. So in ordering, always specify either the exact voltage of the circuit on which the device is to be used or the voltage range of the device as indicated above. Each device has its voltage range stamped clearly on it—on its heating element and iron. If there is any doubt as to whether the particular device you are ordering will fulfill the requirements you have in mind, you had better first take the matter up with us, for we cannot exchange goods once heated.



Rite-Heat.

No. 6-RHE—6½x3¾ in., nickel plated steel, 525 watts, w't each 6 lbs., complete with cord and plug, each $2.65

This is an iron of quality, the ironing surface is machine milled and polished, absolutely smooth, and is of even temperature throughout.

Element riveted to contact pins and guaranteed against burn-outs.

The handle is enameled, hand turned, non-loose and always cool. Braided copper, asbestos covered cord.

ONE IN A CARTON; SIX IN A CASE.



American Beauty, "V" Shape.

No. 6½BE—Size 6½x3¾ in., 525 watts, w't 6½ lbs ..... each $5.00

This iron represents the highest art of making electric flat irons. It gives the user perfect satisfaction, because plenty of heat is made and concentrated evenly on the ironing surface without wasteful loss from the top and sides of the iron. It is a beautiful looking iron, but its beauty is not "skin deep" for its service is even better than its looks. So strong and durable is this iron that its life is guaranteed forever.

ONE IN A CARTON; SIX IN A CASE.



Little Beauty.

No. 3BE—Size 6x3⅛ in., 350 watts, w't 3 lbs. ..... each $5.00

This beautiful and useful little electric iron is perfect for light ironing, such as handkerchiefs and laces, and because of its light weight, it is most attractive to travelers who so often wish to do their own ironing rather than trust small, delicate and choice articles to an unknown laundry. Another useful feature of the "Little Beauty" is the curling iron stand which comes with every iron. Curling iron tongs can be slipped into the stand and heated quickly without fire, soot, odor or danger. Curling iron tongs ARE NOT included.

ONE IN A CARTON; SIX IN A CASE.



American, "V" Shape.

No. 9BE—Standard Laundry, size 7⅞x4¼ in., 675 watts, w't 9 lbs., each★ $7.50

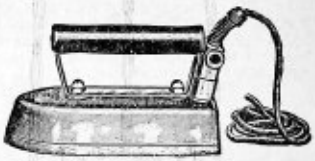
No. 26E—16V—Pants, 8½x5⅝ in., 1100 watts, w't 16 lbs.★...each $12.50

No. 28E—20V—Slightly heavier than No. 26E, size 8½x5⅝ in., 1100 watts, w't 20 lbs.★.....each $13.50

THE ABOVE IRONS ARE NOT FURNISHED WITH ATTACHMENT PLUG FOR CONNECTING THROUGH SOCKET. THEY SHOULD BE WIRED DIRECT TO THE CIRCUIT, AND OPERATE BY A SWITCH.

These are very large and are designed for the use of manufacturers, and made to give a large volume of heat, for heavy work of all kinds.

ONE IN A BOX.



American Tailors.

No. 12BE—Light, size 9⅝x3⅞ in., 650 watts, w't 12 lbs.★ each $11.00

No. 16BE—Medium, size 9⅝x3⅞ in., 650 watts, w't 16 lbs.★ each $12.00

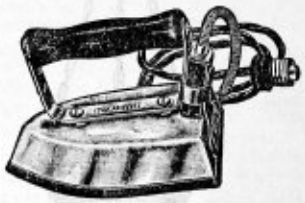
No. 20BE—Standard, size 11x3¾ in., 750 watts, w't 20 lbs.★ each $13.00

No. 220E—20HB—Size 11x3¾ in., 1000 watts, w't 20 lbs.★ each $13.50

No. 24HBE—Heavy, size 11x3¾ in., 1000 watts, w't 24 lbs.★ each $14.50

THE ABOVE IRONS ARE NOT FURNISHED WITH ATTACHMENT PLUG FOR CONNECTING THROUGH SOCKET. THEY SHOULD BE WIRED DIRECT TO THE CIRCUIT AND OPERATE BY A SWITCH.

ONE IN A BOX.



No. 30-E—Princess, nickel plated higly polished, for voltages 110 and 220, w't each 6¼ lbs., complete with cord and plug ..... each $3.25

Element guaranteed for ten years.

ONE IN A CARTON; SIX IN A CASE. W'T OF SIX 50 LBS.

★*FOR FACTORY SHIPMENT ONLY. ALWAYS SPECIFY VOLTAGE. SEE GENERAL INFORMATION AT TOP OF THIS PAGE.*

"AMERICAN BEAUTY" ELECTRIC HEATING APPLIANCES.

"TRIANGLE" TOASTER STOVE.



"Triangle Lektrik."

No. 3320-E—8 in. diameter, for 100 to 120 and 220 volts, complete with cord and plug, wt each 2 lbs., each $2.75

This is arranged so that toast can be made in the bottom part while coffee or eggs can be boiled on top.

ONE DOZEN IN A CASE.

DISC STOVES.



Domestic Style.

Nos.	Diam. in.	Watts	Wt. Lbs.	Each
3210-E	4	450	2½	$4.00
3221-E	5	550	3½	4.75
3231-E	6	600	4½	5.50

This new type, domestic style, is very neat in appearance. The legs have fibre feet to prevent scratching a finished surface, and the handles enable it to be removed while hot without burning the hands. The heater is finished in polished nickel, fully equipped with detachable cord.



Industrial Style.

Nos.	Diam. in.	Max. Watt	Wt. Lbs.	Cons.	Each
3240E	8	1000	15		$11.00★
3245E	10	1400	19½		13.00★
3250E	12	1800	23		15.00★

Cords and plugs not included.

These Disc Stoves are for heavier work than the domestic type. They are used in laboratories or for industrial purposes—or for heavy work in the household or kitchen. They are larger, more heavily constructed and give off more heat.

All sizes are made with three heat regulation, and each Heater has an indicating snap switch and terminal box, detachable plug fitting into receptacle on Disc Stove, or line wires from outlet box on wall or at end of conduit can be attached to Heater at terminal box.

COMBINATION DISC STOVES.



American Beauty.

No. 3310E—Finished in polished nickel, handles polished black, diameter 6 in., 600 watts, w't 8¾ lbs., each★ $9.50

Made in a substantial and first-class way. Has three-heat regulation—mild, medium and full, thus any desired temperature can be maintained. Any polished surface on which the disc stove may be placed will be neither scratched nor scorched. We say of this disc stove "5 in 1," because it is provided with four utensils as shown, making five distinct classes of household service it will give: heating liquids, pancake making, toasting, stewing or boiling and frying pan.

ELECTRIC WATER HEATERS.

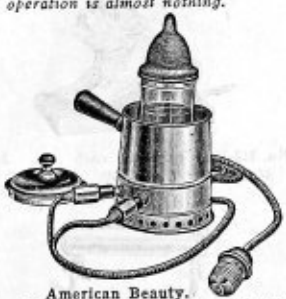


American Beauty.

No. 5210E—Copper, well nickeled and polished, has polished black wood handle and composition feet which prevent scratching or scorching any wood surface. 350 watts, w't 1¼ lbs., each★ $3.50

This Electric Water Heater quickly boils a pint of water or any other liquid. Can be attached to an ordinary electric lamp socket.

It is useful and convenient. The cost of operation is almost nothing.



American Beauty.

No. 5205E—Capacity 1 pt., max. watt cons. 300, made of spun copper, finished in nickel or copper, double silver lined, ebonoid handles, and equipped with replaceable heating elements, with detachable 6 ft. silk cord, plug contacts, and separable attachment plug, without bottle, unless specially ordered, w't 2 lbs., each★ $5.50

No. 5215E—Capacity 1 qt., max. watt cons. 500, w't 3 lbs.★ each $6.50

CHAFING DISHES.



American Beauty.

No. 355-E—Capacity 3 pts., nickel plated, 600 watts, w't 16 lbs., each★ $12.50

This device has three heat regulations and is a complete and convenient chafnig dish with the added attraction of electric heat which makes it always ready and free from fire risk.

COFFEE PERCOLATOR.



American Beauty.

No. 2506-E—Capacity 6 cups, max. watts 350 watt, polished nickel, approx. w't 10 lbs. .....each $12.50

TOASTERS.



American Beauty.

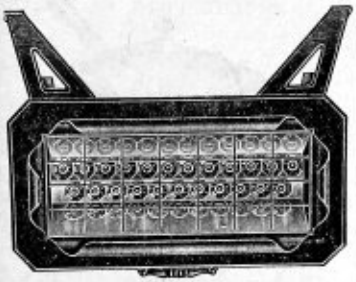
No. 5825-E—Height 7 in., length 8 in., width 4 in., polished nickel, 440 watts, w't 1½ lbs. .....each $4.00

It is light, neat and compact, and comes to you ready for immediate use by attachment to an ordinary electric lamp socket.

A snap of the switch turns on the heat. The current consumption is so small that the cost of making toast is a very slight consideration. The heat can be regulated by removing the plug. This cuts off the current.

"AMERICAN BEAUTY" ELECTRIC HEATING APPLIANCES.

RADIANT RADIATOR.



No. 6210-E—Length 16 in., height 11 in., steel, old bronze finsh, polished copper reflector, deflects heat very effective, enameled handle, detachable lamp socket plug, complete with 8 ft. brown silk cord, w't 4 lbs., each $5.00

The element of this device is a new type of button, the individual glowing units representing a bed of living coals. Efficient, economical, durable and attractive, may be used anywhere by merely attaching the plug to any lamp socket. Always ready and heat instantly available by a snap of the switch. No odors, no gas, no fire hazard, no dirt, no danger, handsome in appearance and finish, light in weight, portable.

WARMING PADS



No. 1815E—12x13 in., max. watt cons. 60, 10 ft. cord, switch, three heat, w't 16 oz. .....each $7.50

This is not a hot water bottle, but a pad which needs no water. Very soft and pliable. Fire risk is eliminated by our TWO new Thermostats which automatically turn off the current when the device becomes too hot and turn it on again when it has sufficiently cooled. There are three degrees of heat which can be regulated even in the dark by a simple Barrel Switch. Eider Down cover furnished. Rubber cloth cover extra.

CURLING IRON HEATERS.



No. 111-E—w't 2½ lbs., each $3.00
For dressing room or boudoir.



No. 115-E—W't 2½ lbs., each $3.25
Has small removable plate for heating grease paints or cosmetics.



No. 150-E—W't 3 lbs., each $3.50
Automatic switch turns the current on and off with the insertion or removal of iron.



No. 116-E—w't 4 lbs.★ each $5.00
Automatic, same as No. 150E.
Fastens to walls of hotels, theatres, staterooms, sleeping cars, etc.



No. 112-E—w't 5 lbs.★ each $4.00
Max. Watt Cons., 90.



No. 117-E—w't 1½ lbs., each $2.75
Small and light, particularly adapted for travelers.

Above heaters finished in nickel and have marbleized slate base, 6 ft. cord and attachment plug, except No. 116E.

Regular length for all cord 6 feet, special lengths extra. All openings ⅞ in. in diameter.

CURLING IRON HEATERS.



No. 601E—Triangle Lektrik, nickel finish, 7½ in. long, 2¼ in. wide, 2 in. high, w't 10 oz., complete with 6 ft. cord and plug, 100 to 125 volts, each $1.50

This heater has an advantage over all others, simply turn on the switch and lay the iron on the heater.

ONE IN A CARTON; TWENTY-FOUR IN A CASE.

DETACHABLE CORDS.



No. 830E—Complete with No. 803E detachable plug, attachment plug, for American Beauty Irons, each $1.25

No. 831E—Cord with No. 803E detachable plug .....each $1.10

No. 832E—Cord only...each .70

No. 840-E—Cord and plug complete for "Rite Heat" iron, each★ $1.10

PLUGS.



No. 803E. No. 804E.

No. 803-E—For "American Beauty" iron with contact sleeves and non-kink springs .....each $0.45

No. 804-E—For "Rite Heat" iron with contact sleeves and non-kink spring, each $0.40

These are of special composition which will not crack or break under severe usage.

★FOR FACTORY SHIPMENT ONLY. ALWAYS SPECIFY VOLTAGE. SEE GENERAL INFORMATION AT TOP OF PAGE 2539.

"AMERICAN BEAUTY" ELECTRIC HEATING APPLIANCES.

SOLDERING IRONS.



No. 3108E—Length 11 in., tip A, diam. of tip 1/8 in., 90 watts, w't 10 oz., each★ $5.00

For switch board work, extra long tip if desired, easily bendable.



No. 3111E—Standard telephone, length 13 in., tip A, diam. of tip 1/8 in., 95 watts, w't 15 oz.★..each $5.00

For switchboard work and small parts.



No. 3110E—For small light work, length 12 in., tip C or D, diam. of tip 3/8 in., 100 watts, w't 1 lb....each $5.25

For soldering small brass parts and connections.



No. 3121E—For light constant work, length 13 in., tip B, diam. of tip 17-32 in., 130 watts, w't 1½ lbs., each $5.00

This iron used for work where a slightly hotter and heavier iron than No. 3111E is required.



No. 3120E—For all around work, length 12 in., tip C or D, diam. of tip 1 in., 150 watts, w't 1½ lbs.,each $5.25

Used by electric wiremen, lead glaziers, etc.



No. 3131E—For manufacturers' use, length 14 in., tip B, diam. of tip 11/16 in., 240 watts, w't 2 lbs.,★each $6.25

For soldering the smallest parts. The most popular iron for this class of work.



No. 3130E—Length 14 in., tip C or D, diam. of tip 1¼ in., 300 watts, w't 2½ lbs. .....each $6.50

Most satisfactory iron for all around work. Not too heavy for light work.

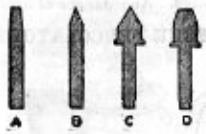


No. 3132E—Length 14 in., tip C, diam. of tip 1 in., 270 watts, w't 3 lbs., each★ $6.50

Attachment plugs are not furnished with soldering irons because most of them are attached to the main circuit.

Irons in stock are for 110 volts, other voltages shipped from factory.

EXTRA COPPER TIPS.



No. 03110-E—A shape, 4 oz., each★ $0.60

No. 31100E—C or D shape, 4½ oz., each★ 1.00

No. 31210E—B shape, 5½ oz., each★ ..... .60

No. 31200E—C or D shape, 8 oz., each★ 1.00

No. 31310E—B shape, 10 oz., each★ ..... .70

No. 31300—C or D shape, 14 oz., each★ 1.50

NOTE—A or B tips should not be used on irons designed for C or D tips and vice versa. An A tip can be changed into a B tip or a D tip into a C tip, by merely filing it down.

SOLDER POTS.



No. 165E—Capacity 5 lbs., cast iron, max. watt cons. 250, heat regulation 3 heats, with knife switch and binding post only, no cord or attachment plug, w't 9 lbs.★....each $9.00

No. 166E—Capacity 10 lbs., max. watt cons. 450, w't 10 lbs., otherwise same as No. 165E★.....each $12.00

No. 167E—Capacity 20 lbs., max. watt cons. 900, w't 16 lbs., otherwise same as No. 165E★ .....each $16.50

No. 177E—Capacity 50 lbs., max. watt cons. 1500, w't 25 lbs., otherwise same as No. 165E★ .....each $20.00

The pots are intended for melting comparatively small quantities of solder, babbitt metal, lead and similar metals. They melt the metal quickly, and by means of the regulating switch it is then possible to reduce the current so that the metal is kept in a molten condition. Very substantial and durable.

GLUE POTS.



No. 141E—Capacity 1 qt., cast iron, max. watt cons. 500, heat regulation 3 heats, complete with 6 ft. cord, 3 heat porcelain plug switch, shipping w't 18 lbs., each★ $11.50

No. 143E—Capacity 2 qt., max. watt cons. 650, shipping w't 25 lbs., otherwise same as No. 141E, each★ $13.50

No. 145E—Capacity 4 qts., max. watt cons. 1000, shipping w't 60 lbs., otherwise same as No. 141E,★ each $18.50

The "American" Electric Glue Pot is a most efficient article for use in a wood working establishment, paper box factory or in any place where glue is used.

Are made of cast-iron, are substantially built and will stand almost any amount of abuse. Ordinarily they will last a lifetime.

All of our glue pots are built with a water jacket, the glue being heated by the hot water. The heating element is attached directly to the water vessel, thus insuring efficiency and durability. The outer casings completely enclose and protect the element.

All pots are arranged with three heat regulation. The minimum heat, one-quarter of the maximum, is sufficient to keep the glue at the right consistency.

All glue pots furnished complete with six feet of flexible conductor cord and porcelain three-heat plug switch.

"UNIVERSAL" ELECTRIC HOME NEEDS.

"Universal" Electric Household Specialties have been subjected to the most rigid competitive tests and will produce certain results with less current consumption and therefore more economically than any device of like nature on the market.

SAFETY SERVICE.

These appliances are equipped with the "Universal" Safety Device which automatically melts, breaking the circuit when through lack of water the appliance becomes over-heated. Any danger of fire, destroyed appliances or burnt out heating elements is thus eliminated.

COFFEE PERCOLATING MACHINES.



Nickel Plated.

Nos.	916-E	919-E
Capacity, cups	6	9
Each	$10.00	11.00



Nickel Plated.

Nos.	9146-E	9149-E
Capacity, cups	6	9
Each	$12.00	13.00



Loving Cup Pattern.

Nickel Plated.

Nos.	9166-E	9169-E
Capacity, cups	6	9
Each	$15.00	16.00

Aluminum interior fittings, inside coated with pure tin, silver finished. Has all the "Universal" features.

COFFEE PERCOLATORS.



No. 966-E—Nickel plated, capacity 6 cups .....each $7.50



Nickel Plated.

Nos.	9646-E	9649-E
Capacity, cups	6	9
Each	$10.00	11.00

SAMOVARS.



Plain.

No. 936-E—Nickel plated, capacity 6 cups .....each $9.75

CHAFING DISHES.



No. 920-E—Nickel plated, each 15.00

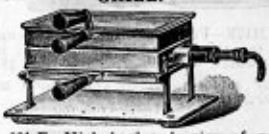
CAPACITY 3 PINTS.

TOASTERS.



No. 941-E—Nickel plated, each $3.50

GRILL.



No. 981-E—Nickel plated, size of grill 4¼x8 in., heating surface 7⅝x4½ in., depth frying pan 1¼ in., boiling pan 2 in., griddle ¼ in., w't each 6 lbs., each $5.00

Boils, fries, toasts and stews. The heating element is carried closer to the ends than in any similar device, hence a more even spread of heat than in any other grills. Burned linen and scorched tables cannot result through the failure to set a tray under the grill before applying the current.

THERMO-CELL SAD IRONS.



No. 901-E—Nickel plated, Hubbell Socket Plug, steel stand, w't each 6 lbs. .....each $4.00

Electric Unit concealed within iron and heat applied at the point where most irons cool fastest. Iron becomes hot in several minutes.

STOVE.



No. 996E—Diam. 6 in., extra long handle .....each $4.50

The "Universal" Electric stove is most convenient for cooking light meals at the table; for heating water, milk or broths quickly in the nursery, bedroom or sickroom; for candy making or after-theatre suppers.

ALL "UNIVERSAL" DEVICES ON THIS PAGE ARE MADE OF COPPER AND FITTED WITH EBONWOOD

ELECTRICAL VIBRATORS, HAIR DRYERS AND MEDICAL APPARATUS.

ELECTRIC VIBRATORS.



No. 19-E.

Leather Covered Plush Lined Case, Leather Handle, Nickel Plated Trimmings, Vibrator Handsomely Finished in Black Enamel, 5 Applicators, Cup, Ball, Hard Toothed Soft Toothed and Spinal.

No. 19-E—9¼x8¼x4¼ in. case, for direct or alternating circuits, operates on direct currents of from 100 to 120 volts and on alternating currents of 60 cycles, 100 to 120 volts, complete with 6 ft. of flexible conducting cord, separate attachment plug—will fit any ordinary socket,
each .....**ADDJ** $25.00

A switch in the lower part of the handle, under immediate control of the operator, turns the current on or off at will. Practically noiseless and with a minimum of vibration in the handle.
Always specify voltage wanted.

No. 18-E—9¼x8x12 in. case, containing six dry cells, connected to a socket plate having 4 holes which are so arranged that 4, 5 or 6 cells can be connected in circuit as desired, to operate by battery power only,
each .....**ADDJ** $25.00



No. 2E—Standard, has 1-20 H. P. motor, three speeds, which control switch, aluminum finish, black handle, for either direct or alternating current, 100 to 120 volts, 60 cycles, plug, cord and one set of applicators, w't 1¾ lbs.,
each .....**ABFJ** $22.00

The Standard is very powerful and is recommended for home, barber shop or massage parlor work. All parts carefully packed with graphite and helmet oil, will run a year without oiling.

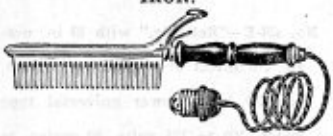
ONE IN A NEAT LEATHERETTE CASE.

HAIR DRYER.



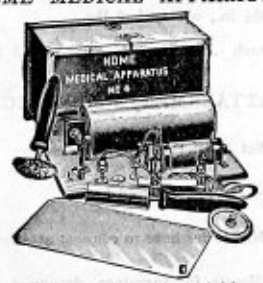
No. 22E—Standard, black finish, switch for regulating hot and cold air, will operate either direct or alternating current 100 to 120 volts, 60 cycles, w't each 2 lbs., complete
each .....**ABFJ** $22.00
PACKED IN LEATHERETTE CASE.

ELECTRIC COMB AND CURLING IRON.



No. 552-E—Combination Iron and Comb, each .....**CBJ** $4.50
No. 542-E—Comb only..each **BHJ** 3.75
No. 532-E—Curling iron only,
each .....**BHJ** 3.50
To use the curling iron, simply remove the comb—makes beautiful lasting waves and curls. It is not necessary to remove the shield from the iron when using it as a comb.
Made for voltages 100 to 125 only.

HOME MEDICAL APPARATUS.



No. 2204-E—9x5¼x4½ in. highly polished mahogany case, strong metal, nickel plated handle, two four-foot condusting cords, with tips, two cylinder hand electrodes, two insulating handles, for use with either hand or sponge electrodes, two sponge electrodes, one foot plate electrode, w't 5½ lbs. .....each **DCJ** $8.00
Case opens at lower compartment showing entire apparatus, with battery, coil and electrodes complete.

APOLLO MEDICAL APPARATUS.



No. 2233-E—8x9x7¼ in. quarter oak highly polished case, heavy nickel plated trimmings and handle, two dry cells, one nickel plated foot plate electrode, two sponge electrodes, one massage roller electrode, one hair brush electrode, two nickel plated hand electrodes, two enameled electrode handles, two silk covered conducting cords, w't 10 lbs.,
each .....**JGIJ** $14.40

HOUSEHOLD MEDICAL APPARATUS.



No. 2215-E—7½x5¼x3½ in. polished quarter oak case, two metallic hand electrodes, one improved sponge electrode, one nickel plated foot plate, one electrode handle for sponge or hand electrode, one pair silk conducting cords, with tips, w't 4 lbs.,
each .....**BGJ** $5.00

The armature and vibrating parts are an entirely new design and so arranged that perfect adjustment is always maintained. The frame for holding the adjustable contact screw and armature is made from one piece of metal and is securely fastened to the base holding the coil and to the end of the induction coil, thus insuring permanence of position for all the parts.

ELECTRIC CLEANERS.

ELECTRIC POWER.



Model D.

No. 322-E REVERSO—With 12 in. nozzle, for direct or alternating current, has ⅛ horse power universal type motor, 100 to 125 volts, 50 cycles, operates by patent switch, with wood piston grip handle, three permanent rollers on the machine and two on the rotary brush, brush easily removed by pressing to the right, height 6⅝ in., w't each 9 lbs. .....each **BEBJ** $30.00

ONE IN A CARTON.

ELECTRIC POWER.



No. 324-E—"Reliable," with 10 in. nozzle, for direct or alternating current, has 1-9 horse power universal type motor, 100 to 125 volts, 60 cycles, to operate by special switch, with straight wood grip handle, has three permanent rollers to allow machine to run easily over carpet, has a straight brush for picking up lint, height 6⅝ in., w't each 8 lbs., each .....**AFHJ** $19.95

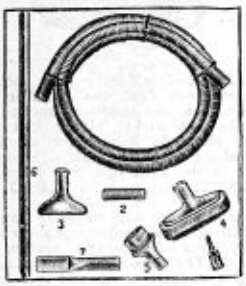
MAIL ORDER DEPARTMENT

In our *60 years* of business much attention has been given to the efficient handling of mail orders.

We do a national business. Your section of the country is in charge of a competent man whose thorough knowledge of the requirements in that locality enables him to handle your orders intelligently.

Your voluntary orders are given the same careful attention as if you were buying the goods from us personally and are billed at the *lowest market prices.*

EXTRA ATTACHMENTS FOR ELECTRIC CLEANERS.



Set consists of the following—

1—9 ft. best covered hose.

1 Nipple for hose to connect attachment.

1 Nozzle for furniture, draperies, mattresses, etc.

Brush for clothes, woodwork, etc.

1 Hose connection used to connect hose to machine.

1 Extension handle to reach high places

1 Tool for cleaning books and radiators.

Set complete .....per set **FGJ** $7.50

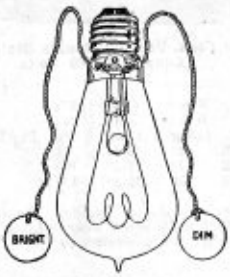
Always state voltage wanted, and number of cycles, if for alternating current.

PRICES AND DATA ON LARGER CLEANERS; ALSO THE ABOVE FOR 220 VOLT CURRENT FURNISHED ON APPLICATION.

INCANDESCENT ELECTRIC LAMPS.



Cruso Carbon.



Pull String.



Tungsten.

CRUSO CARBON.

Volts.	Watts.	Efficiency, W. P. C.	Std. Pkg.	Each.	Frosted, Extra.
100 to 130	20	4.15	250	$0.12	$0.02½
100 to 130	25	3.10	250	.12	.02½
100 to 130	30	3.23	250	.12	.02½
100 to 130	50	2.97	250	.12	.02½
100 to 130	60	2.97	250	.12	.02½
100 to 130	100	2.97	100	.20	.03
100 to 130	120	2.97	100	.20	.03
200 to 260	35	4.40	250	.15	.02½
200 to 260	60	3.69	250	.15	.02½
200 to 260	120	3.69	100	.25	.03

For tipless lamps, add 10 per cent to list.
For superficial coloring, add 25 per cent to list of plain lamp.
For natural colored lamps, add for green or blue 50 per cent to list of plain lamp; for purple, add 75 per cent; for ruby or opal, add 100 per cent; for amber or canary, add 150 per cent.

ECONOMICAL CARBON—PULL STRING.

Voltage.	Candle Power.	Std. Pkg.	Each.
105 to 125	8x½	250	$0.60
105 to 125	16x1	250	.60
105 to 125	32x1	250	.70

HYLO—MAZDA—PULL STRING.

Voltage.	Watts.	Approx. C. P.	Std. Pkg.	Each.
105 to 125	25	20	100	$1.00
105 to 125	40	32	100	1.00

TUNGSTEN.

Tungsten—Regular, Tubular and Nitro Types.

Medium Screw Base—except where otherwise indicated

VOLTS	Type	Size of Lamp in Watts	Style Bulb	Diam. Bulb., in.	Length overall, in.	Standard Pkg. Quantity	Clear, each	Frosted, each
105 to 125	Regular	10	S17	2⅛	4⅝	100	$0.27	$0.30
105 to 125	Regular	15	S17	2⅛	4⅝	100	.27	.30
105 to 125	Regular	20	S17	2⅛	4⅝	100	.27	.30
105 to 125	Regular	25	S19	2⅜	5¼	100	.27	.30
105 to 125	Regular	40	S19	2⅜	5¼	100	.27	.30
105 to 125	Regular	60	S21	2¾	5½	100	.36	.40
105 to 125	Regular	100	S30	3¾	7⅜	24	.65	.72
105 to 125	Regular	150	S35	4⅛	8¾	24	1.00	1.10
105 to 125	Regular	250	S40	5	10	12	1.65	1.80
105 to 125	Tubular	*25	T10	1¼	*5⅞	100	.50	.55
220 to 250	Regular	25	S19	2⅜	5⅛	100	.33	.36
220 to 250	Regular	40	S19	2⅜	5⅛	100	.33	.36
220 to 250	Regular	60	S21	2⅝	5½	100	.45	.49
220 to 250	Regular	100	S30	3¼	7⅜	24	.80	.87
220 to 250	Regular	150	S35	4⅛	8¾	24	1.20	1.30
220 to 250	Regular	250	S40	5	10	12	2.00	2.15
105 to 125	Nitro Round	60	....	3	5½	50	.70	.95
105 to 125	Nitro Round	100	....	3¼	6½	24	1.00	1.05
105 to 125	Nitro Round	200	....	4⅛	8¾	24	2.00	2.07
105 to 125	Nitro Round	250	....	4⅞	9¼	12	2.50	2.60
105 to 125	Nitro Round	**350	....	4¾	10¼	12	3.50	3.65
105 to 125	Nitro Round	**400	....	5	10¼	12	4.00	4.15
105 to 125	Nitro Round	**500	....	6	11¾	8	4.50	4.65
105 to 125	Nitro Round	**750	....	6	12	8	6.00	6.25
105 to 125	Nitro Round	**1000	....	6¾	12¼	8	7.00	7.25

*If fitted with candelbra screw base, 10 cents list additional.
**Fitted with "Mogul" Screw Base.

RUBBER COVERED WIRES AND CORDS.

SOLID WIRE.



New Code, Single Braid, Solid Conductor, 600 Volts.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
101-E	16	5-32	20	
102-E	14	6-32	34	
103-E	12	7-32	44	
104-E	10	8-32	60	
105-E	8	9-32	85	
106-E	6	11-32	132	

For interior wiring for electric lights, No. 102-E is most used.

IN COILS OF ABOUT 500 FT.

New Code, Double Braid, Solid Conductor, 600 Volts.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
414-E	14	18-64	44	
415-E	12	19-64	54	
416-E	10	20-64	70	
417-E	8	23-64	94	
418-E	6	24-64	142	

IN COILS OF ABOUT 500 FT.

STRANDED WIRE.



New Code, Single Braid, 600 Volts.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
200-E	14	15-64	36	
201-E	12	16-64	48	
202-E	10	18-64	64	
203-E	8	10-32	93	

IN COILS OF ABOUT 500 FT.

PRICES ON OTHER SIZES AND KINDS FURNISHED ON APPLICATION.

DUPLEX—TWIN—WIRE.



New Code, Parallel Double Braid, Solid Conductor, 600 Volts.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
300-E	14	15-32	78	
301-E	12	17-32	100	
302-E	10	18-32	130 ★	

Each conductor braided, the two laid parallel with braid over all. Used extensively for conduit work.

FIXTURE WIRE.



Light Insulation, Solid Conductor.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	Per 1000 Ft.
126-E	18	7-64	
127-E	16	7-64	

Heavy Insulation, Solid Conductor.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	Per 1000 Ft.
227-E	18	9-64	

LAMP CORD.



New Code, Cotton Covered. Green and Yellow.

Nos.	Sizes B.& S. Gauge.	Strand Composed of	W't 1000 Ft.	Per 1000 Ft.
1001-E	14	41 No. 30 wires	50	
1002-E	16	26 No. 30 wires	37	
1003-E	18	16 No. 30 wires	29	
1004-E	20	10 No. 30 wires	24	

Approved by National Board of Fire Underwriters. Each conductor insulated with 1-32 in. vulcanized rubber, twisted and braided in cotton. Sizes smaller than 18 not approved.

IN COILS OF ABOUT 250 FT.

Silk Covered.

No. 2101-E—Size 18, yellow brush brass silk covered, twisted, per thousand feet .....$

No. 2102-E—Size 18, green, otherwise same as No. 2101-E, per thousand feet .....$

No. 2103-E—Size 18, paralleled "duplex," green silk covered, per thousand feet .....$

No. 2105-E—Size 18, paralleled "duplex," yellow brush brass silk cover, per thousand feet .....$

Can furnish any other color for shipment from factory. Prices on application.

BREWERY CORD.



National Code.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
1214-E	14	14-32	80	
1216-E	16	11-32	46	
1218-E	18	10-32	33	

Consists of two flexible conductors, seamless rubber insulated, braided, saturated with weather-proofing compound, and two twisted together.

CANVASITE CORD.



National Code.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
1814-E	14	16-32	93	
1816-E	16	13-32	56	
1818-E	18	12-32	41	

Consists of two flexible conductors, seamless rubber insulated, braided, twisted together and finished with weather-proof braid over all.

PACKING HOUSE CORD.



National Code.

Nos.	Sizes B.& S. Gauge.	Out-side Diam.	W't 1000 Ft.	Per 1000 Ft.
2414-E	14	17-32	100	
2416-E	16	14-32	61	
2418-E	18	13-32	45	

Consists of two flexible conductors, seamless rubber insulated, twisted together with jute and finished with two weatherproof braids.

SHOW WINDOW CORD.

Double Conductor.

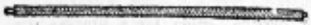
No. 4416-E—Size 16, new code, reinforced, black weatherproof slick finish per thousand feet .....$

No. 4418-E—Size 18, new code, reinforced, black finish, per thousand feet .....$

The No. 4418-E is recommended for wiring fixtures and signs in show windows and No. 4416-E is for damp or wet rooms.

WIRE.

TELEPHONE.



No. 801-E—Size 19, single conductor, 3-32 rubber insulation, plain, no braid, w't per 1000 ft. 9 lbs., per thousand feet.....$



No. 802-E—Size 19, single conductor, 3-32 ruber insulation, braided saturated, w't per 1000 ft. 10 lbs., per thousand feet.....$



No. 803-E—Size 19, double conductor, 3-32 ruber insulation, one conductor black, one conductor red, plain twisted no braid, w't per 1000 ft. 18 lbs., per thousand feet.....$

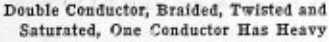


No. 804-E—Size 19, double conductor, 3-32 rubber insulation, one conductor black, one cnductr red, twisted then braided and saturated, w't per 1000 ft. 20 lbs., per thousand feet ..$



No. 806-E—Size 19, double conductor, 3-32 rubber insulation, both conductors covered with brown or oak braid, one conductor having a colored trace thread running through braid, w't per 1000 ft. 22 lbs.per thousand feet $

For interior work used for connecting telephone with outside terminal wires. Prices on triple conductor on application.



Double Conductor, Braided, Twisted and Saturated, One Conductor Has Heavy Trace Thread Running Through the Braid.

No. 811-E—Size 18, 7-64 rubber insulation, w't per 1000 ft. 25 lbs., per thousand feet .....$

No. 812-E—Size 16, 4-32 rubber insulation, w't per 1000 ft. 30 lbs., per thousand feet .....$

No. 813-E—Size 14, 532 rubber insulation, w't per 1000 ft. 65 lbs. per thousand feet .....$

For outside distributing or drop wires from pole to house connection.

FLEXIBLE STEEL ARMORED CONDUCTOR.



National Code.

No. 714-E—B. I. W., size 14, duplex — twin — conductor, per 1000 ft. $104.00 JGBJJ

250 FEET IN A COIL.

WEATHERPROOF.



National Code Standard, Triple Braid, Solid Conductor, Copper Wire.

Nos.	Sizes B. & S. Gauge	Weight Per 100 ft. Pounds	Per Pound
500-E	18	16	$
501-E	16	20	
502-E	14	25	
503-E	12	35	
504-E	10	53	
505-E★	8	75	
50>-E★	6	112	
507-E★	4	164	
508-E★	2	260	
509-E★	1	316	
510-E★	0	407	
511-E★	00	502	
512-E★	000	629	
513-E★	0000	767	

Prices on double braid solid, triple and double braid stranded, also on slow burning white outside furnished on application.

Specially adapted for use in outdoor electric light circuits, railway signal work, telephone and telegraph work.



Double Braid, Weatherproof Insulation, Iron Wire.

Nos.	Sizes B. & S. Gauge	Weight Per Mile	Miles in Coil	Per Mile
3010-E★	10	350	¼	$
3012-E★	12	225	½	
3014-E★	14	145	½	

Triple Braid, Weatherproof Insulation, Iron Wire.

Nos.	Sizes B. & S. Gauge	Weight Per Mile	Miles in Coil	Per Mile
4110-E★	10	400	½	$
4112-E★	12	260	½	
4114-E★	14	175	½	

For telephone work, has same insulation as regular copper weatherproof wire. Can ship in coil lots only.



ANNUNCIATOR.

Insulated.

No. 518-E—Size 18 B. & S. ga., in coils of 1 lb., per pound DJ $0.60

No. 518½-E—Size 18 B. & S. ga., in coils of ½ lb. ....per pound DE $0.60

No. 618-E—Size 18 B. & S. ga., on spools of about 6 to 8 lbs., per pound .....DJ $0.50

ABOUT 155 FEET TO THE POUND.

★*FOR FACTORY SHIPMENT ONLY.*

GALVANIZED TELEPHONE AND TELEGRAPH.



Steel.

Nos.	Per 1000 ft. Lbs.	Per Mile Lbs.	100 Lbs. Per
10	48.86	260	
12	32.19	165	
14	18.75	96	

Steel (or homogeneous metal) is more expressly designed for short line telephone service, where a measure of conductivity can be exchanged for tensil strength in a light wire.

NO. 6, ONE-THIRD MILE; BALANCE, ONE-HALF MILE IN A COIL.

"B. B." (Best Best.)

Nos.	Per 1000 ft. Lbs.	Per Mile Lbs.	Per 100 Lbs.
10	48.86	260	
12	32.19	165	
14	18.75	96	

Very tough and will stand a good mechanical test. It is largely used by telegraph companies and in railway telegraph service.

NO. 6, ONE-THIRD MILE; BALANCE, ONE-HALF MILE IN A COIL.

"E. B. B." (Extra Best Best.)

Nos.	Per 1000 ft. Lbs.	Per Mile Lbs.	Per 100 Lbs.
10	48.86	260	
12	32.19	165	
14	18.75	96	

E. B. B. (Extra Best Best) is made by improved continuous process from the very best iron. It stands highest of any telephone wire in conductivity. Very uniform in quality, pure, tough and pliable.

NO. 6, ONE-THIRD MILE; BALANCE, ONE-HALF MILE IN A COIL

GALVANIZED STRAND.

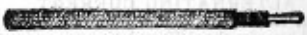


Consists of Seven Wires twisted together.

Nos.	Diam. in.	Weight Per 100 ft.		Per 100 ft.
915-E	¼	13	AJJ	$1.75
912-E	5/16	22	ACE	2.25
911-E	3/8	30	AIJ	3.50
908-E	½	52	BGJ	5.50

This is mostly used for supporting cables and guying poles.

OFFICE WIRE.



Damp-proof.

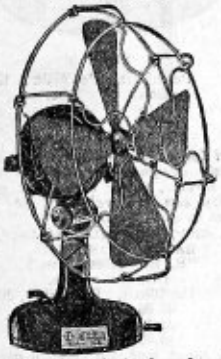
No. 2018-E—Size 18, in spools of about 12 lbs., w't per thousand ft. 10½ lbs., per pound.....$

No. 2016-E—Size 16 in. spools of about 12 lbs., w't per thousand ft. 13½ lbs., per pound.....$

DESK AND BRACKET FANS.

Following description applies to "JANDUS" Fans only.
Finish—The brass blades and guards are highly polished and lacquered. Base and other parts all finished in black enamel.
Construction—Stamped steel enclosing shells, cast base, can be adjusted to any angle desired, either for a bracket or desk fan.
Speeds—Has four point switch for three speeds, namely, slow, medium and fast, ranging from 900 to 1500 revolutions per minute.
Equipment—Cord and plug attachments not included, for 6 ft. cord and attachment plug add 50 cents net.

"CARLETON."



No. 400E—8 in., desk fan for either direct current, 100 to 120 volts, or alternating current, 100 to 120 volts, 60 cycles, three speeds, enameled base and standard, nickel guard and blades, complete with 6 ft. cord and plug, w't each 5 lbs. .....each **HFE** $9.50
ONE IN A BOX.

"JANDUS."



Direct and Alternating Current Desk and Bracket Fan.
8 in. Size.

DIRECT CURRENT.

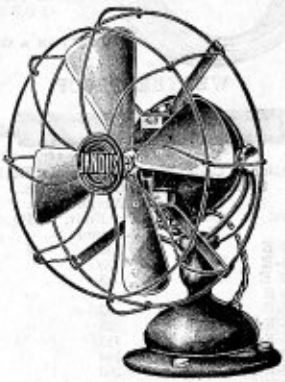
No. 108-E—8 in. diam., 100 to 120 volts, 3 speeds, 900, 1250 and 1500, w't boxed 15 lbs. .....each **AJDJ** $12.50
No. 208-E—8 in. diam., 200 to 220 volts, 3 speeds, 900, 1250 and 1500, w't boxed 15 lbs.★.....each **AADJ** $13.50

ALTERNATING CURRENT.

No. 228-E—8 in. diam., 100 to 120 volts, 3 speeds, 900, 1250 and 1500, 60 cycles, w't boxed 15 lbs., each **AJBE** $9.50

When wanted for telephone booth service so specify and a special spring suspension to overcome vibration will be included.

"JANDUS."



Direct and Alternating Current Desk and Bracket, Swivel Trunnion Type, 12 and 16 in. Sizes.

DIRECT CURRENT.

Swivel and Trunnion Type.

No. 112-E—12 in. diam., 100 to 120 volts, 3 speeds, 800, 1200 and 1600, w't boxed 33 lbs. .....each **ADDJ** $17.50
No. 212-E—12 in. diam., 200 to 250 volts, 3 speeds, 900, 1200 and 1600, w't boxed 33 lbs. .....each **AEFJ** $18.50
No. 116-E—16 in. diam., 100 to 120 volts, 3 speeds, 800, 1050 and 1400, w't boxed 41 lbs. .....each **AFHJ** $19.50
No. 216-E—16 in. diam., 200 to 250 volts, 3 speeds, 800, 1050 and 1400, w't boxed 41 lbs.★.....each **AHJJ** $20.50

ALTERNATING CURRENT.

Swivel and Trunnion Type.

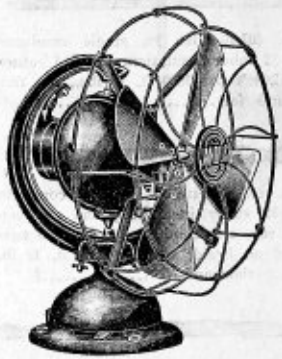
No. 1112-E—12 in. diam., 100 to 120 volts, 3 speeds, 1190, 1460 and 1550, 60 cycles, w't boxed 39 lbs., each **AEFJ** $19.00

No. 1116-E—16 in. diam., 100 to 120 volts, 3 speeds, 1120, 1375 and 1500, 60 cycles, w't boxed 43 lbs., each **AHGJ** $21.50

Prices furnished on application for 25 cycle fans. Cannot supply 40 or 133 cycle alternating current fans.

VOLTAGE DESIRED MUST BE SPECIFIED IN ORDERING AND IF FOR ALTERNATING CURRENT THE NUMBER OF CYCLES.
★FOR FACTORY SHIPMENT ONLY.

"JANDUS."



Direct Current Desk and Bracket, Oscillating Type, 12 and 16 in. Sizes.

DIRECT CURRENT.

Oscillating.

No. 1212-E—12 in. diam., 100 to 120 volts, 3 speeds, 760, 1160 and 1560, w't boxed 39 lbs. .....each **AHEJ** $21.00

No. 1216-E—16 in. diam., 100 to 120 volts, 3 speeds, 775, 1025 and 1375, w't boxed 45 lbs. .....each **BBBJ** $24.00

ALTERNATING CURRENT.

Oscillating.

No. 4112-E—12 in. diam., 100 to 120 volts, 3 speeds, 1165, 1435 and 1525, 60 cycles, w't boxed 46 lbs., each **BJJJ** $23.00

No. 4116-E—16 in .diam., 100 to 120 volts, 3 speeds, 1090, 1350, 1475, 60 cycles, w't boxed 48 lbs., each **BCIJ** $26.00

Jandus oscillating fan can be used either as a desk or bracket fan without the use of an adaptor.

They are designed to move from side to side through a desired angle, thus distributing the air over a larger area than with a stationary fan.

Prices furnished on application for 25 cycle fans. Cannot supply 40 or 133 cycle alternating current fans.

JANL GYROFANS.

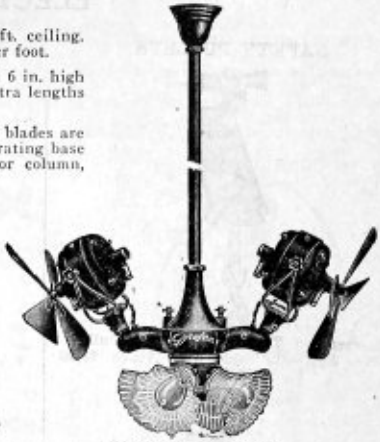
Ceiling Gyrofans rnished complete for 12 ft. ceiling. For extra lengths ossions, add 50 cents net per foot.

Column Gryofans tted with a standard 6 ft. 6 in. high for 12 in. size, and 6in. for 15 in. size. For extra lengths add $1.00 net per fo

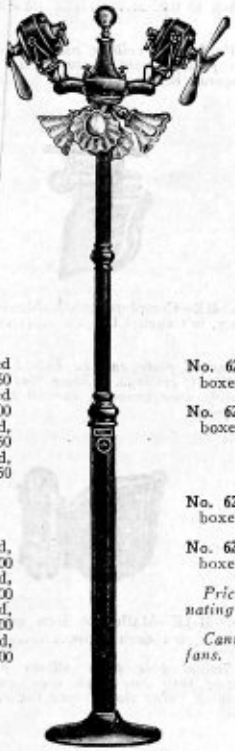
Finish—The sta or extension, and the fan blades are finished in oxidized er, the motor fans and gyrating base is black enamel. pecial finish for ceiling or column, quotations will be on request.



Direct Current.



Alternating Current.



DIRRECT CURRENT.

Ceiling.

No. 61-E—12. in. diam., 100-120 volt, w't ked 64 lb.....

No. 6102-E—12 in. diam., 200-250 volts, w't ked 64 lbs.....each 2.50

No. 6104-E—15 in. diam., 100-120 volts, w't ked, 75 lbs.....each 5.00

No. 6106-E—15 in. diam., 200-250 volts, w't ked, 75 lbs.....each 39.50

Column.

No. 6108-E—12 in. diam., 100-120 volts, w't oxed, 120 lbs.....each 42.50

No. 6110-E—12 in. diam., 200-250 volts, w't oxed, 120 lbs.....each $46.00

No. 6112-E—15 in. diam., 100-120 volts, w't oxed, 127 lbs.....each $49.00

No. 6114-E—15 in. diam., 200-250 volts w't oxed, 127 lbs.....each $53.00

ALTERNATING CURRENT.

Ceiling.

No. 6201-E—12 in. diam., 100-120 volts, 60 cycles, w't boxed, 79 lbs.....each $43.00

No. 6205-E—15 in. diam., 100-120 volts, 60 cycles, w't boxed, 85 lbs.....each $50.00

Column.

No. 6209-E—12 in. diam., 100-120 volts, 60 cycles, w't boxed, 144 lbs.....each $57.00

No. 6213-E—15 in. diam., 100-120 volts, 60 cycles, w't boxed, 150 lbs.....each $64.00

Prices for 100 to 120, 200-240 volts, 25 cycle alternating fans furnished on application.

Cannot supply 40 or 133 cycle alternating current fans.

The Gyrofan is a ceiling or column fan and is so constructed that it sets in motion the entire atmosphere and maintains a constant circulation of cool pure air, its popularity is on account of its comparatively low wattage consumption. Being adapted for service in almost every location along with its beauty in design, we believe it will meet with instant favor.

VOLTAGE DESIRED MUST BE SPECIFIED IN ORDERING, ALSO NUMBER OF CYCLES IF FOR ALTERNATING CURRENT.

ELECTRIC LIGHT MATERIAL.*

Discount CJ%.

SAFETY PULLEYS.



Suspension Top or Supporting Pulley.
No. 2-JE—Malleable iron ..each $1.90
W'T, 8 LBS.



No. 10-E.
Outrigger Pulley,
Malleable Iron.
No. 13-EJE—For ¾ in. pipe..each $1.90
No. 13-EAJE—For 1¼ in. pipe, each 2.10
No. 13-EBJE—For 1½ in. pipe, each 2.10
W'T, 8 LBS.



No. 15-E.
Mast Arm Pulley.
Malleable Iron.
No. 5-JE—For 1¼ in. pipe, each $1.80
No. 5-EAJE—For 1½ in. pipe, each 2.10
W'T, 8 LBS.

PULLEYS.



No. 32E—Fitted with arc lamhanger and suspension pulley as shvn, w't each 13 lbs. .....ch $3.40

We furnish ceiling, outriggerv mast arm pulleys with these insulars and hangers. Write for prices.



No. 41E—Complete, malleable iri pulley, w't each 4 lbs. .....eai $1.10

Swivel plate can be bolted topoles, walls or ceilings. Clamp has tie-grip double wire grooves, curved to prevent slipping.



No. 51-JE—Malleable iron casing and plate, w't each 4 lbs.....each $1.10

Swivel pole plate allows pulle to swing into line with rope and avoid chafing. Has slotted end for easy rection.

PULLEYS.



No. 55-E.

No. 84-JE—For ¾ in. pipe, malleable iron ..... each $1.10

No. 86-JE—For 1¼ in. pipe, malleable iron .....each $1.20

W'T EACH 5½ LBS.



No. 61-JE—Malleable iron, each $1.10

All pulleys thoroughly sleet proof and automatic. Do not jar the lamp out of adjustment nor wear the rope or chain by scraping it on the pulley casing. Simple Clamp for rope or chain. Safety knob enters bottom of pulley when raised. Pig tail hook cannot drop lamp.

ALL ABOVE PULLEYS GALVANIZED FOR SLIGHT EXTRA CHARGE.

**FOR FACTORY SHIPMENT ONLY.*

ELECTRIC LIGHT MATERIAL.

Discount CJ%

FORKS.



No. 71E.

No. 71E—Insulated Fork, plain, for use with lag screws, w't each 1 lb., otherwise same as No. 78E, each $0.26

No. 72E—Galvanized, otherwise same as No. 71E .....each $0.32

Discount EE%



Used Instead of Eye-Bolt to Reduce Risk of Grounds and Accidents, Extra Strong Fork, Porcelain Insulator, 6 Inch Adjustment.

No. 211-JE—Nut and washer, 12 in., w't each 2 lbs .....each $0.48

BOLTS AND BUCKLES.



Porcelain Insulators Held In Malleable Iron Forks, 9 Inch Adjustment, Takes Wire Up To ⅝ Inch.

No. 207-JE—½x9 in., painted, w't each 6 lbs. .....each $1.40

No. 209-JE—⅝x 9 in., painted, w't each 6½ lbs. ..... each $1.40

ARC LAMP HANGERS.



No. 300-JE—W't each 3½ lbs...each $1.00

The insulation of these hangers will carry 20,000 volts, pig tail hook allows lamp to be hung with one hand, no bolts to come unscrewed and drop lamp, and if insulator is broken two vertical bolts as shown, hold up the lamp.



No. 320-JE—Without glass insulator, steel channel arm, w't each 4½ lbs., each $2.00

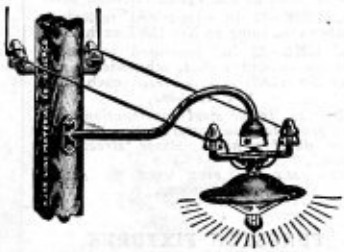
This all steel hanger is strongly recommended, will last longer than wood and is practically indestructible. Patented tips protect the glass insulator.

ARC LAMP HANGERS.



No. 315-JE—Has wooden arm, w't each 4½ lbs., otherwise same as No. 300-JE, each $1.50

THREE FOOT STREET HOODS.



No. 1250-HE—Edison base socket, 17 in., japanned reflector, all steel construction .....each $4.10

No. 1252-HE—Series cut-out socket, otherwise same as No. 1250HE, each $6.10

No. 1253-HE—22 in. japanned reflector, otherwise same as No. 1250-HE, each $5.30

No. 1255-HE—Series cut-out socket, 22 in. japanned reflector, otherwise same as No. 1250-HE.....each $7.40

No. 1256-HE—22 in. porcelain enameled reflector, otherwise same as No. 1250-HE ..... each $6.30

No. 1258-HE—Porcelain enameled reflector, otherwise same as No. 1250-HE, each $8.20

W'T 13½ LBS.

BOLTS AND BUCKLES GALVANIZED AT SLIGHT EXTRA COST.

★*FOR FACTORY SHIPMENT ONLY.*

THREE FOOT STREET HOODS.



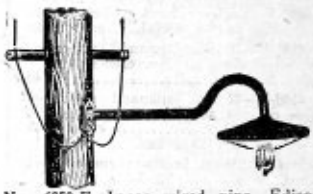
No. 1160-HE—Edison base socket, 1 ft. inner wired pipe, 17 in. japanned reflector .....each $3.10

No. 1162-HE—Series cut-out socket, otherwise same as No. 1160E....each $4.60

No. 1163E—22 in. japanned reflector, otherwise same as No. 1160E, each $4.30

No. 1165E—22 in. japanned reflector and series cut-out socket, otherwise same as No. 1160E .....each $5.80

W'T 9 LBS.



No. 6850-E—Inner wired pipe, Edison base socket, 18 in. japanned reflector, each $2.30

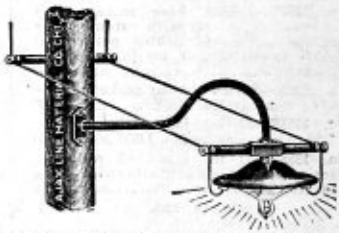
No. 6852-E—Series cut-out socket, otherwise same as No. 6850-HE, each $3.30

No. 6855-E—Edison base socket, 22 in. japanned reflector, otherwise same as No. 6850-HE .....each $2.60

No. 6858-E—Series cut-out socket, 22 in. japanned reflector, otherwise same as No. 6850-E .....each $3.60

W'T 12 LBS.

Deduct $0.30 net if rear arm not required.



No. 6520-E—Edison base socket, enameled wood arm at back of pole and over reflector with malleable iron ferrules tightly driven on ends to prevent splitting, 17 in. japanned reflector, each $2.60

No. 6523-E—Series cut-out socket, otherwise same as No. 6520-E, each $3.60

No. 6525-E—22 in. japanned reflector, otherwise same as No. 6520-E, each $3.60

No. 6528-E—22 in. japanned reflector, series cut-out socket, otherwise same as No. 6520-E ..... each $4.60

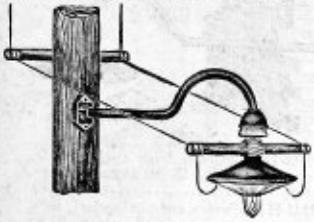
W'T, 12½ LBS.

Deduct $0.30 net if rear arm not required.

ELECTRIC LIGHT MATERIAL.★

Discount CJ%

THREE FOOT STREET HOODS.



Triple Insulation Between Socket and Supporting Bracket Allows Current of 20,000 Volts.

No. 6580-E—Edison base socket, 18 in. japanned reflector, iron ferrules over ends of enameled wood arms, each $3.10

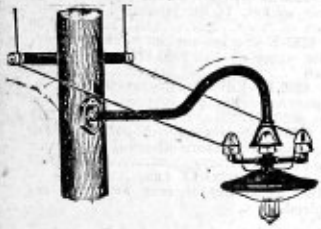
No. 6583-E—Series cut-out socket, otherwise same as No. 6580-E....each $4.10

No. 6585-E—22 in. japanned reflector, otherwise same as No. 6580-E, each $3.40

No. 6588-E—22 in. japanned reflector, series cut-out socket, otherwise same as No. 6580-E ..... each $4.40

W'T 14½ LBS.

Deduct $0.30 net is rear arm not required.



No. 1350E—Edison base socket, steel channel cross arm with patented tips for protection of double petticoated glass insulators, 17 in. japanned reflector .....each $4.80

No. 1352E—Series cut-out socket, otherwise same as No. 1350E.....each $6.30

No. 1353E—22 in. japanned reflector, otherwise same as No. 1350E,each $6.00

No. 1355E—22 in. japanned reflector, series cut-out socket, otherwise same as No. 1350E .....each $7.50

W'T 18 LBS.

HORIZONTAL FIXTURES.

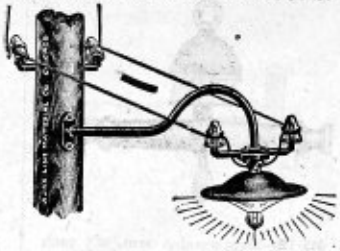


No. 6900-E—Edison base socket, 20 in. reflector ..... each $2.75

No. 6903-E—Series cut-out socket, otherwise same as No. 6900-E .... each $3.75

W'T, 10 LBS.

THREE FOOT STREET HOODS.



For low voltage work the longest lasting hood on the market. No wood to decay, patented tips protect four glass insulators, can be wired under hood or at nipple as shown.

No. 1320E—Edison base socket, 17 in. japanned reflector .....each $5.10

No. 1322E—Series cut-out socket, otherwise same as No. 1320E.....each $6.60

No. 1323E—22 in., japanned reflector, otherwise same as No. 1320E,each $6.20

No. 1325E—22 in. japanned reflector, series cut-out socket, otherwise same as No. 1320E .....each $7.70

W'T 15 LBS.

Due to its all steel construction and tip protected insulators, this is the most durable high voltage streethood made.

ONE-HALF IN. PIPE USED ON ALL STREETHOODS.

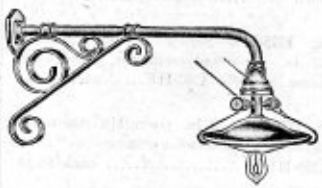
TUNGSTEN FIXTURES.



No. 1380E—Edison base socket, 4 ft., 20 in. porcelain enameled reflector, each $8.00

No. 1382E—Series cut-out socket, otherwise same as No. 1380E.....each $9.50

W'T 18 LBS.



No. 1446E—Edison base socket, 17 in. japanned reflector, heavy glass insulator and porcelain insulators on iron arm .....each $6.80

No. 1448E—Series cut-out socket, otherwise same as No. 1446E.....each $8.50

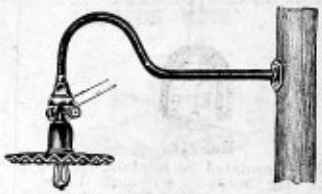
No. 1449E—22 in. japanned reflector, otherwise same as No. 1446E,each $8.00

No. 1451E—22 in. japanned reflector, series cut-out socket, otherwise same as No. 1446E .....each $9.70

W'T 24 LBS.

★*FOR FACTORY SHIPMENT ONLY.*

TUNGSTEN FIXTURES.



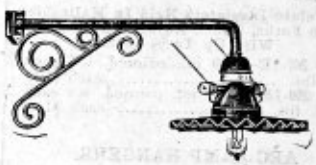
No. 6450-E—Edison base socket, 20 in. porcelain enameled reflector, heavy pole plate, large double petticoated glass insulator, ... each $3.75

No. 6453-E—Series cut-out socket, otherwise same as No. 6450-E ....each $4.75

W'T 21 LBS.

All tungsten fixtures have 4 ft. goose neck of ¾ in. pipe.

HORIZONTAL FIXTURES.



No. 1440-E—Edison base socket, 20 in. porcelain enameled reflector, high voltage insulator .....each $8.00

No. 1442E—Series cut-out socket, otherwise same as No. 1440E.....each $9.70

W'T 23 LBS.



No. 6010-E—Edison base socket, 20 in. reflector .....each $3.25

No. 6013-E—Eeries cut-out socket, otherwise same as No. 6010-E ....each $4.25

W'T, 14 LBS.

ELECTRIC LIGHT MATERIAL.*

Discount CJ%

TUNGSTEN CENTER SUSPENSION HOODS.



17 Inch Hood and Reflector, Edison Base Socket, Enameled.

No. 6900-E—1 light .....each $2.05
No. 6908-E—2 light .....each 3.15
No. 6909-E—3 light .....each 3.35
No. 6911-E—4 light .....each 3.55



No. 6930-E—Edison base socket, 20 in. fluted porcelain enameled reflector, each $3.00

No. 6933-E—Series cut-out socket, otherwise same as No. 6930-E .. each $4.00

These goods are for Tungsten street lighting. Can be wired through nipple or under hood. Strong cable clamp used. Insulator tested to 20,000 volts. Write for special prices on japanned finish.

HOODS.



Will Stay Level in Windy Weather. Complete Except for Wire and Bulb.

No. 6960-E—Taut hood, Edison base socket, 18 in. reflector ....each $1.80

No. 6963-E—Series cut-out socket, otherwise same as No. 6960-E....each $2.80

No. 6964-E—22 in. reflector, otherwise same as No. 6960-E ..... each $2.10

No. 6967-E—22 in. reflector, series cut-out socket ..... each $3.10

W'T, 7 LBS.

HOODS.



No. 6950-E—Edison base socket, 18 in. reflector ..... each $3.60

No. 6953-E—Series cut-out socket, otherwise same as No. 6950-E....each $4.60

No. 6954-E—22 in. reflector, otherwise same as No. 6950-E .....each $3.90

No. 6957-E—22 in. reflector, series cut-out socket ..... each $4.90

W'T, 17 LBS.



No. 2072E—Tee hood, Edison base socket, 17 in. reflector.....each $2.80

No. 2074E—Series cut-out socket, otherwise same as No. 2072E.....each $4.30

No. 2075E—22 in. reflector, otherwise same as No. 2072E .....each $4.00

No. 2077E—22 in. reflector, series cut-out socket .....each $5.50

W'T, 7 LBS.



No. 6970-E—Ring hood, Edison base socket, 17 in. reflector .....each $2.40

No. 6973-E—Series cut-out socket, otherwise same as No. 6970-E....each $2.40

No. 6974-E—22 in. reflector, otherwise same as No. 6970-E .....each $1.70

No. 6977-E—22 in. reflector, series cut-out socket ..... each $2.70

W'T, 7 LBS.

HOODS.



No. 2080E—Beam hood, Edison base socket, 17 in. reflector .....each $2.40

No. 2082E—Series cut-out socket, otherwise same as No 2080E.....each $3.90

No. 2083E—22 in. reflector, otherwise same as No. 2080E.....each $3.60

No. 2085E—22 in. reflector, series cut-out socket .....each $5.10

W'T, 7¼ LBS.

TUNGSTEN HOOD.



No. 2104E—Edison base socket, 18 in. japanned reflector, cast iron canopy and cross arm in one piece, porcelain knobs and top connection to suspend from rope .....each $3.60

No. 2105E—Series cut-out socket, otherwise same as No. 2104E.....each $5.80

No. 2106E—Enameled reflector, otherwise same as No. 2104E.....each $4.00

No. 2107E—Enameled reflector, series cut-out socket .....each $5.80

W'T, 10 LBS.

*FOR FACTORY SHIPMENT ONLY.

ANNUNCIATORS.

Entire Page BE%.

"ACME" TWO POINT.

The drops cannot be out of order as there is no mechanism to adjust.

This is a very serviceable article. The case is made of metal, enamel finished.



No. 2550-E—With bell .....each $3.00
No. 2551-E—With buzzer .....each 3.00

The drops cannot be out of order as there is no mechanism to adjust.



"Eclipse."

Natural Oak Finish Only.

No.	Indications.	Rows.	Each.
2750-E	2	2	$3.50
2751-E	3	3	4.00
2752-E	4	2	4.45
2753-E	6	3	6.00
2754-E	8	4	7.60
2755-E	10	5	9.10
2756-E	12	6	10.70
2757-E	14	7	12.45

HOTEL AND HOUSE.

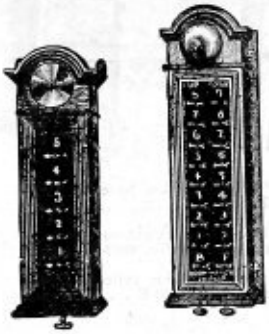


Natural and Antique Oak, Stained and Mahogany Finishes.

No.	Indications.	Rows.	Each.
2850-E	2	2	$4.00
2851-E	3	3	4.50
2852-E	4	2	5.00
2853-E	6	3	7.00
2854-E	8	4	9.00
2855-E	10	5	11.00
2856-E	12	6	13.20
2857-E	14	7	15.40
2858-E	16	6	17.60
2859-E	18	6	19.80
2360-E	20	7	22.00
2861-E	21	7	23.10

Annunciators with more than 21 indications furnished at $1.10 per indication.

ELEVATOR.



Wood Case, Regular.

Wood Case, Up and Down.

No.	Indications.	Rows.	Each.
3050-E	3	1	$4.50
3051-E	4	1	6.00
3052-E	5	1	7.00
3053-E	6	1	8.00
3054-E	7	1	9.00
3055-E	8	1	10.00
3056-E	9	1	11.25
3057-E	10	2	12.00
3058-E	12	2	15.00

With Double Reset, Wooden Case, Mahogany, Natural and Antique Oak Finish.

No.	Indications.	Rows.	Each.
3059-E	6	2	$9.70
3060-E	8	2	11.70
3061-E	10	2	14.20
3062-E	12	2	16.70
3063-E	14	2	19.20
3064-E	16	2	21.70
3065-E	18	2	24.20
3066-E	20	2	26.70
3067-E	22	2	29.20
3068-E	24	2	31.70

When so ordered, the above annunciators are furnished with Mounting Boards finished like case for the following additional price: 3 to 6 drops, $0.60; 7 to 9 drops, $0.75; 10 to 12 drops, $0.90.

ELEVATOR.



Metal Case, Regular.



Metal Case, Up and Down.

Metal Case Annunciators Always Furnished with Hinged Backs.
Metal Case, Regular.

No.	Indications.	Rows.	Each.
3079-E	3	3	$9.75
3080-E	4	4	10.75
3081-E	5	5	12.00
3082-E	6	6	13.50
3083-E	7	7	15.50
3084-E	8	8	17.50
3085-E	9	9	19.50
3086-E	10	5	21.50
3088-E	12	6	24.50

Up and Down Type, with Double Reset.

No.	3122-E— 6	indications, each	$15.20
No.	3123-E— 8	indications, each	19.20
No.	3124-E—10	indications, each	23.20
No.	3125-E—12	indications, each	26.20
No.	3126-E—14	indications, each	29.70
No.	3127-E—16	indications, each	33.70
No.	3128-E—18	indications, each	37.70
No.	3129-E—20	indications, each	41.70

An unequalled "won't-shake-down" annunciator. Has two separate rows of drops. One row is used by persons desiring to go up and the other by those wishing to go down.

BURGLAR ALARM, A STYLE.



No.	Indications.	Rows.	Each.
2950-E	4	2	$13.50
2951-E	6	3	19.00
2952-E	8	4	24.00
2953-E	10	5	29.00
2954-E	12	4	34.00

DUNCAN METERS AND TRANSFORMERS.

★*FOR FACTORY SHIPMENT ONLY, F. O. B. LAFAYETTE, IND.*

DIRECT CURRENT WATT HOUR METERS.



The new Duncan high torque direct current integrating watt hour meter represents the very latest in the meter art.

All of its parts are formed from heavy sheet brass under enormous pressure, so that each one is absolutely interchangeable, and no dimension varies as much as one thousandth of an inch.

No castings whatever are used, therefore, its appearance is everything that can be desired.



Model E, 100 to 125 Volts, 2 Wire.

No.	Amp.	Lights.	H.P.	Each.
1100-E	2½	5	½	$28.50
1101-E	5	10	¾	28.50
1102-E	10	20	1½	31.00
1103-E	15	30	2¼	35.00
1104-E	25	50	3½	41.00
1105-E	50	100	7	53.00
1106-E	75	150	10	70.00
1107-E	100	200	15	82.00
1108-E	150	300	20	100.00
1109-E	200	400	30	115.00
1110-E	300	600	40	130.00
1111-E	400	800	55	150.00
1112-E	500	1000	70	170.00

Model E, 220 to 250 Volts, 3 Wire.

No.	Amp.	Lights.	K.W.	Each.
1300-E	2½	10	½	$33.00
1301-E	5	20	1	33.00
1302-E	7½	30	1½	35.00
1303-E	10	40	2	37.00
1340-E	15	60	3	43.00
130[illegible]-E	25	100	5	51.00
1306-E	50	200	10	65.00
1307-E	75	300	15	85.00
1308-E	100	400	20	100.00
1309-E	150	600	30	126.00
1310-E	200	800	40	150.00
1311-E	300	1200	60	175.00

Model E, 200 to 250 Volts, 2 Wire.

No.	Amp.	Lights.	H.P.	Each.
1200-E	2½	10	¾	$33.00
1201-E	5	20	1¼	33.00
1202-E	7½	30	2	35.00
1203-E	10	40	3	37.00
1204-E	15	60	4	43.00
1205-E	25	100	7	51.00
1206-E	50	200	15	63.00
1207-E	75	300	20	80.00
1208-E	100	400	25	95.00
1209-E	150	600	40	118.00
1210-E	200	800	50	135.00
1211-E	300	1200	80	150.00
1212-E	400	1600	..	170.00
1213-E	500	2000	..	190.00

Model E, 500 to 600 Volts, 2 Wire.

No.	Amp.	H.P.	K.W.	Each.
1400-E	2½	1½	1¼	$42.00
1401-E	5	3	2½	42.00
1402-E	10	5	5	47.00
1403-E	15	10	7½	55.00
1404-E	25	15	12½	65.00
1405-E	50	30	25	80.00
1406-E	75	50	37½	95.00
1407-E	100	75	50	110.00
1408-E	150	100	75	130.00
1409-E	200	150	100	155.00
1410-E	300	200	150	180.00
1411-E	400	260	200	195.00
1412-E	500	315	250	205.00

ALTERNATING CURRENT WATT HOUR METERS.

INDUCTION TYPE.





Simple in Construction, Easy to Install, Has a High Driving Torque, Very Accurate and Reliable.

Model M, 220 Volts, 2 Wire.

No.	Amp.	Lights.	Each.
1500-E	5	20	$17.32
1501-E	10	40	19.95
1502-E	15	60	22.32
1504-E	25	100	27.08
1505-E	50	200	36.57
1506-E	75	300	41.80
1507-E	100	400	48.00
1508-E	150	600	58.00
1509-E	200	800	63.00
1510-E	300	1200	69.00
1511-E	400	1600	76.50
1512-E	500	2000	84.00

Model M, 110 Volts, 2 Wire.

No.	Amp.	Lights.	Each.
1513-E	5	10	$15.42
1514-E	10	20	17.75
1515-E	15	30	20.42
1517-E	25	50	24.70
1518-E	50	100	33.25
1519-E	75	150	38.95
1520-E	100	200	45.00
1521-E	150	300	55.00
1522-E	200	400	60.00
1523-E	300	600	65.00
1524-E	400	800	72.50
1525-E	500	1000	80.00

Model M, 220 Volts, 3 Wire.

No.	Amp.	Lights.	Each.
1526-E	5	20	$17.32
1527-E	10	40	19.95
1528-E	15	60	22.32
1530-E	25	100	27.08
1531-E	50	200	36.57
1532-E	75	300	41.80
1533-E	100	400	48.00
1534-E	150	600	58.00
1535-E	200	800	63.00
1536-E	300	1200	69.00
1537-E	400	1600	76.50
1538-E	500	2000	84.00

WHEN ORDERING, STATE WHETHER METERS ARE FOR 60 CYCLES, OR FOR 133 CYCLES.

TRANSFORMERS.



TYPE B.

No.	Capacity, K.V.A.	Shipping W't lbs.	Each.
1000-E	1	210	$51.00
1001-E	1½	242	60.00
1002-E	2	295	72.00
1003-E	2½	300	80.00
1004-E	3	320	87.00
1005-E	4	325	102.00
1006-E	5	380	120.00
1007-E	7½	470	165.00
1008-E	10	730	200.00
1009-E	15	780	265.00
1010-E	20	1180	345.00
1011-E	25	1275	400.00
1012-E	30	1365	462.00
1013-E	40	1695	575.00
1014-E	50	1780	675.00
1015-E	75	2750	850.00
1016-E	100	3115	1025.00

1100-2200 Volts Primary, 110-220 Volts or 220-440 Volts Secondary. 60 Cycles. Prices include Primary Cut-outs, Hangers and Oil.

Type B Transformers are well insulated throughout. The coils and core have large oil ducts between them which allow the oil to circulate freely thereby enabling the transformer to operate at a uniform temperature throughout. The core and copper losses are exceedingly low, hence the efficiencies are high.

Transformers are used on alternating current circuits only. They are used to reduce the high voltage of the line wires to low voltage for safety in inside lighting and motor work.

IRON CONDUIT AND FITTINGS.

IRON CONDUIT.

Entire Column, Discount DE%.



Enameled.

10 Ft., Both Ends Threaded, Coupling On One End.

Nos.	160E	161E	162E
Size, in.	½	¾	1
Outside diam., in.	.84	1.05	1.31
Inside diam., in.	.62	.82	1.04
W't per ft., lbs.	.85	1.12	1.67
Per 100 ft.	$8.50	11.50	17.00

ELBOWS.

Nos.	360E	361E	362E
Size, in.	½	¾	1
Radius, in.	4.25	5.37	5.75
Offset, in.	7.50	9.25	10.12
W't per 100, lbs.	73	132	200
Per 100	$19.00	25.00	37.00

PIPE STRAPS.

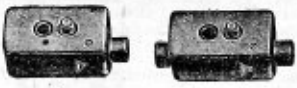


Nos.	459E	460E	461E
For pipe, in.	⅜	½	¾
No. to pound	35	32	20
Per pound	$0.25	.25	.25

Nos.	462E	463E	464E
For pipe, in.	1	1¼	1½
No. to pound	17	16	13
Per pound	$0.25	.25	.25

PUSH BUTTON SWITCH UNILETS.

Entire Column, Discount BE%.



Type No. 1. Type No. 2.

Made of Stamped Steel, For Push Button and Flush Rotary Switches.

Over all Dimensions of Box with Cover Attached—Shallow Type.

	Length.	Width.	Depth.
Single Gang, in.	4	2⅛	1⅜

For ½ in. conduit.

No. 6500E—Type No. 1.....each $0.50
No. 6501E—Type No. 2.....each .60

ONE HUNDRED IN A STANDARD PACKAGE.

SMALL ROUND STEEL UNILETS.



Type No. 1. Type No. 2.

For All Standard Round Base Snap Switches, Rosetts, Receptacles, Sockets, Etc.

For ½ In. Conduit, Diameter 2½ in., Depth 1 in.

No. 7401—Type No. 1, standard package 150, unit package 10.....each $0.45

No. 7402—Type No. 2, standard package 150, unit package 10.....each $0.55

These unilets are interchangeable for 5 and 10 ampere switches.

The adjustable swivel on these unilets permits many different makes of fittings being installed thereon, such as all standard round sockets, rosettes, switches, etc.

Black enameled or sherardized finish, same price.

Switches not included.

ALWAYS USE CATALOGUE NUMBERS WHEN ORDERING.

SERVICE ENTRANCE UNILETS.

Discount DJ%.



Top Part Can Be Removed While Drawing Wires and Making Connections, Absolutely Waterproof, For ½ to 4 Inch Conduit Inclusive.

Always use catalogue numbers when ordering.

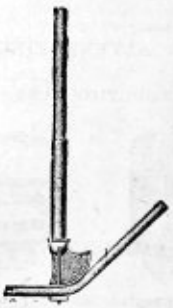
Nos.	10E	20E	30E
Size of conduit, in.	½	¾	1
Standard package	100	100	50
Each	$0.50	.65	1.05

Prices do not include covers.

Black enameled or sherardized finish, same price. Black enameled finish always shipped unless otherwise specified.

RITTENHOUSE CONDUIT BENDERS.

Discount E%.



Will Not Crush or Kink the Conduit, Will Bend an Offset or an L on any Desired Radius. Can be Placed on the Pipe at any Point and Does Not Slide Over the End.

No. 1E—Bender complete for ½ in. pipe .....each $2.75

No. 2E—Bender complete for ¾ in. pipe .....each $3.00

No. 5AE—Adjustable bender for ½ and ¾ in. pipe .....each $3.75

LOCK NUTS, BUSHINGS AND UNILETS.

Unilet Covers of the same size listed are interchangeable. Discount BE%.

LOCK NUTS.



Nos.	8015E	8016E	8017E
For pipe, in.	½	¾	1
Standard pkg.	1000	100	100
Per 100	$1.50	2.50	4.00

BUSHINGS.



Nos.	8030E	8031E	8032E
For pipe, in.	½	¾	1
Standard pkg.	100	100	100
Per 100	$6.00	8.00	15.00

These bushings are made of stamped steel, sherardized, absolutely rust proof and threads are perfectly clear.

FIXTURE STEMS.



No. 8050E. Hollow Stem. Nos. 8051E & 8052E. Solid Stem.

Stamped Steel.

Nos.	8050E	8051E.	8052E
For pipe	¾	¾	½ in.
Per 100	$6.50	6.50	7.50
	BCE	BEE	CCJ

FIVE HUNDRED IN A STANDARD PACKAGE.

RECTANGULAR UNILETS.

With Female Nipples.

Where it is preferred to have the conduit threaded into the outlet fitting, we recommend rectangular unilets, which are of the same dimensions and types as no-thread rectangular boxes, but are provided with a female nipple swedged into the box in the same manner as used on stamped steel unilets.

These drawn steel fittings are the ideal outlet for exposed conduit work, no breakage, perfect threads, exact alignment, light weight, plenty of room to make and tape all joints.

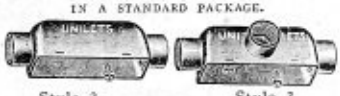
Body of box 3⅞ in. long, 1⅛ in. deep, 1¼ in. wide.



Style 0. Style 1.

Nos.	9000E	9020E	9001E	9021E
Style	0	0	1	1
For conduit	½	¾	½	¾ in.
Each	$0.24	.31	.29	.35

NO. 9000E AND 9001E, 200; BALANCE 100 IN A STANDARD PACKAGE.



Style 2. Style 3.

Nos.	9002E	9022E	9003E	9023E
Style	2	2	3	3
For conduit	½	¾	½	¾ in.
Each	$0.36	.41	.48	.57

NO. 9002E, 200; NO. 9003E, 150; BALANCE 100 IN A STANDARD PACKAGE.



Style 4 Style 5R.

Nos.	9004E	9024E	9005RE	9025RE
Style	4	4	5R	5R
For conduit	½	¾	½	¾ in.
Each	$0.60	.77	.40	.45

NO. 9004E, 150; NO. 9024E, 75; NO. 9005E, 200; NO. 9025E, 100 IN A STANDARD PACKAGE.



Style 5L. Style 6

Nos.	9005LE	9025LE	9006E	9026E
Style	5L	5L	6	6
For conduit	½	¾	½	¾ in.
Each	$0.40	.45	.29	.36

NOS. 9006E AND 9007E, 200; BALANCE 100 IN A STANDARD PACKAGE.



Style 7 Style 8.

Nos.	9007E	9027E	9008E	9028E
Style	7	7	8	8
For conduit	½	¾	½	¾ in.
Each	$0.34	.41	.40	45

NOS. 9008E AND 9009E, 200; BALANCE, 100 IN A STANDARD PACKAGE.

RECTANGULAR UNILETS.



Style 9R.

9L is the same relative style as 5L with the extra nipple on end.

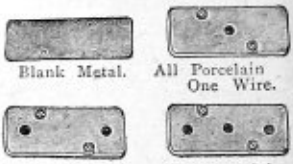
Nos.	9009RE	9029RE	9009LE	9029LE
Style	9R	9R	9L	9L
For conduit	½	¾	½	¾ in.
Each	$0.48	.56	.48	.56



Nos.	9200E	9220E
Style	L.F	L.F
For conduit	½	¾ in.
Each	$0.40	.45

NOS. 9010E AND 9011E, 100; BALANCE 50 IN A STANDARD PACKAGE.

COVERS FOR RECTANGULAR STEEL UNILETS.



Blank Metal. All Porcelain One Wire.

All Porcelain Two-Wire. All Porcelain Three-Wire.

All Porcelain, ½ in.

NO.	STYLE OF COVER.	EACH.
6000	Blank metal	$0.08
6001	One wire	.10
6002	Two wire	.10
6003	Three wire	.10

200 IN A STANDARD PACKAGE; 10 IN A UNIT PACKAGE.

All Porcelain, ¾ in.

NO.	STYLE OF COVER.	EACH.
6020	Blank metal	$0.11
6021	One wire	.15
6022	Two wire	.15
6023	Three wire	.15

100 IN A STANDARD PACKAGE; 5 IN A UNIT PACKAGE.



Receptacles without Shade Holder Groove.

No. 7650—½ in. each $0.25
No. 7651—¾ in. each .25

Receptacles with Shade Holder Groove.

No. 7660—½ in. each $0.30
No. 7661—¾ in. each .30



No. 6005—½ in. Metal Nipple, ⅛ Male, each $0.20
No. 6027—¾ in. Metal Nipple, ⅛ Male, each $0.25
No. 6007—½ in. Metal Nipple, ¼ Male, each $0.25
No. 6029—¾ in. Metal Nipple, ¼ in. Male each $0.30

STAMPED STEEL ENAMELED OUTLET BOXES AND COVERS.

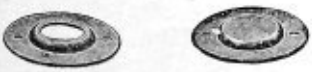
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OUTLET BOXES.



No. 3-RE—3¼ in. diameter by 1⅝ in. deep, box drilled for fixture studs, two holes tapped for 8-32 screws, two for 10-24 screws, outlets for ½ in. conduit only .....each $0.20

COVERS FOR ABOVE.



No. 8300E. No. 8301E.

No. 8300-E—Open, 1½ in. hole, takes Bryant receptacle No. 59108E, each $0.10
No. 8301-E—Closed .....each .09



No. 8302-E—Closed, with bushing, each $0.12



No. 8307-E—Sunk, steel, flush, G. E. receptacle .....each $0.10

OUTLET BOXES.



For Ceilings.

No. 4-CE—4 in. diam., ½ in. deep, each $0.15



No. 4RE.

No. 4-RE—4 in. diameter by 1⅝ in. deep, holes punched for fixture studs, each $0.25
For ½ or ¾ in. conduit only.



No. 4RDE.

No. 4-RDE—4 in. diameter by 2¼ in. deep, holes punched for fixture studs, each $0.32
Number of Outlets.
4 in side and 5 in bottom.

COVERS FOR ABOVE.



No. 8401E.

No. 8401-E—Closed .....each $0.14



No. 8402-E—Closed, with insulating bushing .....each $0.16
No. 8403-E—Closed, flat steel, each .12

OUTLET BOXES.



No. 4-SE—4x4 in., 1⅝ in. deep, drilled for fixture studs, for ½ and ¾ in. conduit .....each $0.30

COVERS FOR ABOVE.



No. 8462-E. No. 8463-E.

No. 8462-E—Closed .....each $0.14
No. 8463-E—Closed, with rubber bushing, ...each $0.18



No. 8467-E.
No. 8467-E—Medium, for standard push button switch, ⅜ in. high, each $0.20

BOX CONNECTORS.



No. 6120-E—for No. 714-E—size 14, and No. 712-E—size 12, B. I. W. Armored Conductor .....each $0.07½
ONE HUNDRED IN A STANDARD PACKAGE.

HARTER COVER SOCKETS.



Enameled.
No. 36-E—3 in. iron cover socket with shade holder ring .....each $0.35
No. 46-E—4 in., iron cover socket with shade holder ring .....each $0.37
Advantages. Already assembled, heavy double spring keeps lamp from shaking out,, has shade holder ring, metal is of the required thickness—No. 12 B. & S. gauge—and new code wire is used.
TEN IN A BOX; ONE HUNDRED IN A STANDARD PACKAGE.

PRICES FOR GALVANIZED ON APPLICATION.

TELEPHONES.

COMPACT.



No. 7308-E REV-O-NOC—3 bar series, 80 ohm ringer .....each **J I I J** $17.00
No. 7410-E—REV-O-NOC—4 bar bridging, 1000 ohm ringer .....each **A A G J** $23.00
No. 7510-E REV-O-NOC—5 bar bridging, 1000 ohm ringer .....each **A B F J** $24.00
No. 7516-E REV-O-NOC—5 bar bridging, 1600 ohm ringer .....each **A B J J** $25.00
No. 7520-E REV-O-NOC—5 bar bridging, 2000 ohm ringer .....each **A C B J** $26.00

Equipped with patented SECRET SERVICE generators, by means of which calls are made secretly on either grounded or metallic lines. A backward turn of generator crank throws switchboard drop but does not ring bells of subscribers upon the line. A forward turn signals subscribers in the usual manner. No push buttons or relays are necessary; can be used on any line, in conjunction with all other makes of instruments now installed, and without making any change in the present service.

Cabinets are quarter-sawed oak, highly polished, are furnished with adjustable ringer movements, No. 20-E long distance solid back transmitter, No. 33-E receiver with concealed cord connection, induction coil, automatic switch hook, lightning arrestor, batteries not included.

Telephones equipped with condensors 75 cents extra net.

BATTERY CALL.



No. 6-E—Duplex battery coil telephone, metal case, without battery, each .....**C J J** $6.00

This type of telephone is recommended for a two party system from 500 to 1000 ft., made of stamped metal highly polished finished in black, equipped with high grade transmitter and watch case receiver.

If run outside, No. 802-E wire is recommended, but where both phones are in the same building No. 518-E annunciator wire can be used. Each telephone requires two batteries.

STANDARD STYLE.



"REV-O-NOC."
Wide Battery Box Style.

No. 8308-E REV-O-NOC—3 bar series, 80 ohm ringer.....each **A J J J** $17.50
No. 8410-E REV-O-NOC—4 bar bridging, 1000 ohm ringer.....each **A B C J** $23.00
No. 8510-E REV-O-NOC—5 bar bridging, 1000 ohm ringer.....each **A C A J** $24.50
No. 8516-E REV-O-NOC—5 bar bridging, 1600 ohm ringer.....each **A C E J** $25.00
No. 8520-E REV-O-NOC—5 bar bridging, 2000 ohm ringer .....each **A C E E** $26.00

These cabinets are quarter-sawed oak highly polished, and equipped with powerful generator for ringing long lines, adjustable ringer movement, No. 20-E long distance solid back transmitter, No. 33-E receiver, with concealed cord connection, induction coil, automatic switch hook, lightning arrester; batteries not included.

Telephones equipped with condensers 75 cents extra net.

DESK SETS.



"REV-O-NOC."

No. 113-E REV-O-NOC—3 bar series generator, 80 ohm ringer, mounted in same box, each.....**A A D J** $22.00
No. 114-E REV-O-NOC—4 bar bridging generator, 1600 ohm ringer, mounted in same box .....each **A B C J** $24.00
No. 115-E REV-O-NOC—5 bar bridging generator, 1600 ohm ringer, mounted in separate boxes ....each **A C E E** $26.00

These desk sets have rubber grip, cast brass parts, nickel plated removable bottom plates, leather cushion, induction coil and terminal block, mounted in base. Price is for the set complete, including telephone, generator, ringer, terminal block, batteries and diagram of connection; batteries not included.

INTER-COMMUNICATING.



No. 6401-E— 5 button.each **J H E J** $11.80
No. 6402-E— 8 button, " **J I J J** 12.50
No. 6403-E—12 button, " **J I G J** 13.50

Some of our trade prefer the standard type of receiver and long distance transmitter. This telephone is so equipped and is the highest grade of instrument possible to produce for "Multifone" service.



No. 6603-E—4 stations, will call button in base.....each **A C G J** $19.0
No. 6604-E—8 stations, with call button in base.....each **A E E J** $21.5
No. 6605-E—12 stations, with call buttons in base.....**A F I J** $24.0
No. 1060-E—Choke coil, each .....**J G J** $1.0

One choke coil is required for ever system.

The inter-communicating are wired fo central battery common talking circuit all stations being connected to one pai of talking wires, but having call button on each telephone to the number re quired to call other stations without central.

These telephones are superior on poin of design, finish, accessibilty for connec ing up, durability and efficiency to an line of apparatus for a similar syste ever produced.

Cables for installing these telephone can be furnished at not to exceed $9.0 per hundred feet, nine cells of dry ba tery will operate any size system com plete, wiring diagram furnished wit every outfit. PRICES DO NOT IN CLUDE CABLE OR BATTERIES.

For system larger than eight statio ask for proposition.

TELEPHONE PARTS.

RECEIVERS.



It is perfect in design. Tungsten steel magnets. The coils are wound with silk covered wire and cords so attached that by careless handling or dropping they do not break loose from terminals.

No. 33-E REVERSIC—With concealed cord, each .....**JIJ** $1.80



No. 164-E.



No. 133-E.

No. 164-E—Watch case, double pole, solid rubber shell ....each **JHE** $2.50

No. 133-E—Operators', complete with leather covered band and watch case receivers .....each **AHE** $4.00

TRANSMITTERS.



No. 20-E REVERSIC—Solid back, each **AEE** $3.00

Every part is made of the very best materials and constructed on strictly scientific and mechanical principals.

TELEPHONE MOUTH PIECES.



No. 613-E — Male thread, each **AG** $0.25

TESTING SETS.



No. 423-E—4 bar generator, watch case receiver, in oak case 7½x6x8 in., without batteries, w't 12 lbs., each .....**AAJ J** $24.00

Used in locating trouble on either a series or bridging line.



RECEIVER CORDS.

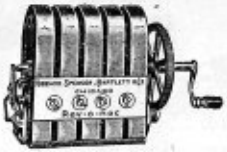
No. 47-E—36 in. worsted, tips both ends ..each **AE** $0.40

No. 48-E—36 in., worsted, tips one end, slips on other end, each .....**AE** $0.40

No. 49-E—36 in. green silk, tips both ends, each .....**BB** $0.60

No. 47-E is most commonly used.

GENERATORS.



No. 53-E REVERSIC—3 bar series, each★ .....**BBJ** $3.80

No. 54-E REVERSIC—4 bar bridging, each★ .....**BHE** 5.50

No. 55-E REVERSIC—5 bar bridging, each★ .....**CDJ** 7.00

Our generators are made in all the standard sizes, 3 bar for series work, 4 and 5 bar for bridging work.

Both the series and bridging generators are of the same type and are built to stand hard and constant usage.

RINGER MOVEMENTS.



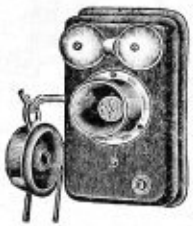
No. 608-E—80 ohms series ringer, each★ .....**AJJ** $2.00

No. 610-E—1000 ohms bridging ringer, each★ .....**ABJ** $3.00

No. 616-E—1600 ohm bridging ringer, each★ .....**AFE** $4.00

No. 620-E—2000 ohm bridging ringer, each★ .....**AGE** $5.00

Gongs not included.



No. 8-E—Yankee, wall telephone, each .....**EEJ** $6.00

These instruments are for two-party line system, and are undoubtedly the best constructed telephones for a short line circuit. It is known as the two-wire system and No. 18 wire is recommended for a distance of 1100 ft. No. 16 for a distance of 1700 ft. and No. 14 for a distance of 2800 ft. Two batteries for each instrument are required. Prices do not include wire or batteries.

TELEPHONE CONDENSERS.



No. 301-E.



No. 303-E.

Cresce Ring-Thru.

No. 301-E—Consists of a ½ M. F. condenser mounted in a handsome black enameled iron case with two binding posts on front for connecting receiver cords, a cord fitted with tips comes out of the side which connects to the binding posts on the telephone, each .....**JHE** $1.50

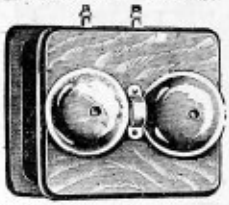
Very simple to install and guaranteed to make party lines talk up regardless of the number of receivers off the hooks, enabling you to call central past all of them.

No. 300-E—Fitted with wires instead of cords, designed for use on wide back telephones where the receiver cord binding posts are situated on lower edge of bell box, can also be used on side of telephones, otherwise same as No. 301-E .....each **JHE** $1.50

The condenser may be fastened either to the wall beside the telephone, or upon the telephone cabinet itself. Takes up very little room, measuring only 2¼x 3⅛x5½ inches.

All that is necessary is to loosen the receiver cords from the instrument and connect them to the binding posts on the face of the condenser. After this is done, connect the cord or wire running from the condenser to the receiver cord connections of the telephone; in other words, put the condenser cord where the receiver cord was formerly, and put the receiver cord in the binding posts on the condenser.

EXTENSION BELLS.



No. 318-E—80 ohm series, each .....**AFE** $3.50

No. 319-E—1000 ohm bridging, each .....**BAJ** 4.00

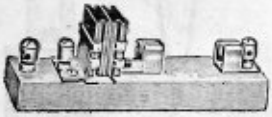
No. 320-E—1600 ohm bridging, each .....**BBJ** 5.00

No. 321-E—2000 ohm bridging, each .....**BCE** 6.00

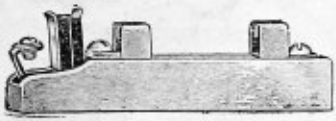
These bells are used in connection with telephones, enabling one to get the signal of the regular telephone when at a distance. Should be same resistance as telephone to be used with.

LIGHTNING ARRESTERS, PROTECTORS, FUSES AND BRACKETS.

TELEPHONE LIGHTNING ARRESTERS.

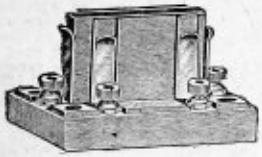


No. 602E—Single pole, Western Union style, takes Western Union or Veribest style fuses, with fuse, each .....BJ $0.40



No. 42E—Single pole, Western Union style, porcelain base, brass mountings, upright carbons, furnished with mica insulations, takes No. 8E fuses, without fuse, each.....AE $0.24

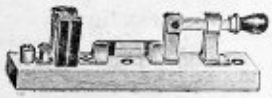
ONE IN A BOX.



No. 400E—Toll line, heavy carbons, each .....BE $0.40

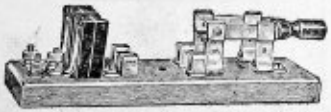
ONE IN A BOX.

COMBINED LIGHTNING ARRESTER, FUSE BLOCK AND SWITCH CUT-OUT.



No. 501E—Single pole, combines lightning arrester, fuse block and switch cutout, takes No. 19E fuse, without fuse, each.....EJ $0.80

ONE IN A BOX.



No. 500E—Double pole, combined lightning arrester, fuse block and switch cutout, takes No. 19-E fuse, without fuse .....each JIJ $1.50

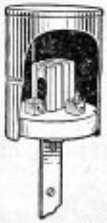
ONE IN A BOX.

SWITCH CUT-OUT AND ARRESTER.



No. 511-E .....each CE $0.60

OUT-DOOR PROTECTOR.



No. 402E—Heavy porcelain base and heavy copper cover, each....EJ $0.80

This reliable weatherproof protection is designed for use on poles or exteriors of buildings.

MICA FUSES.



No. 19-E—Western Union Pattern, 2 in. long, copper terminals, per 100 .....AEJ $2.50

FIFTY IN A BOX.



No. 8-E—Western Union Pattern, 2¼ in. long, copper terminals, per 100 .....AEJ $2.50

FIFTY IN A BOX.



No. 22-E—Western Union Pattern, 2½ in. long, copper terminals, per 100 .....AEJ $2.50

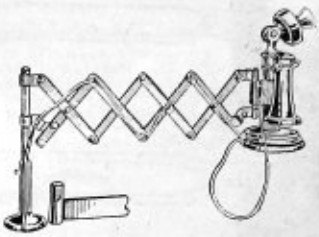
FIFTY IN A BOX.



No. 137-E—Postal Pattern, 2 in. long, copper terminals, per 100 AEJ $2.50

FIFTY IN A BOX.

TELEPHONE BRACKETS.



No. 85-E—Burn's, adjustable, for roll top desk, w't 4½ lbs., each .....CAE $3.50

No. 83-E—Burn's, adjustable, for flat top desk, w't 4½ lbs. ....each CAE $3.50



No. 18-E—Economy, standard finish, oxidized copper, except mounting and clamp, black enamel, double swing 24 in. extension, holds ayn make phone .....each AEE $1.75



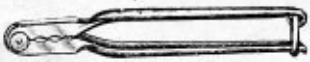
No. 15-E—Radio, ball bearing, self-balancing, with 32 in. extension, standard finish tube, oxidized copper, mounting black enamel, each .....DJE $4.50

When ordering, state whether for flat or roll top desk.

This bracket saves valuable desk space and is always ready. It avoids accidents to desk or phone, and operates smoothly and easily. Can be installed with a screw driver without disturbing wires or cords. Perfectly balanced and stays where it is placed.

TELEPHONE CONSTRUCTION TOOLS.

SPLICING CLAMPS.



No. 54-E—5½-E—10½ in., forged steel, full polished head, two round and two oblong holes, for Nos. 2, 4, 6 and 8 copper wire, w't 1 lb., each **JIE** $1.27



No. 155-E—7 in. baby, forged steel, full polished, four round holes, for Nos. 10, 12, 14 and 16 copper wire, w't 6 oz., each .....**JIJ** $1.27

No. 55-E—9¾ in., forged steel, full polished, four round holes, for Nos. 8, 10, 12 and 14 iron wire and Nos. 6, 8, 10 and 12 copper wire, w't 1 lb., each .....**JIJ** $1.38

No. 57-E—10¾ in., forged steel, full polished, five round holes, for Nos. 6, 8, 10, 12 and 14 iron wire and Nos. 4, 6, 8, 10 and 12 copper wire, w't 1 lb., each .....**AJJ** $1.42



Combination Wire and Sleeve.

No. 59-E—9-E—10½ in., forged steel, full polished, five holes for Nos. 6, 8, 10, 12 and 14 iron wire, Nos. 4, 6, 8, 10 and 12 copper wire, and Nos. 8, 10, 12 and 14 sleeves, w't 1 lb., each **AAE** $1.75

HAVEN'S WIRE CLAMPS.



No. 368-E—Gun metal finish, for No. 8 wire and finer, w't 1 lb., each .....**AEE** $2.00

No. 369-E—Gun metal finish, for ½ in. wire and finer, w't 2½ lbs., each .....**BFE** $3.35

A very efficient clamp for all around work.

ECCENTRIC CLAMPS.



Without Straps.

No. 130-E—Steel, for No. 8 wire and finer, w't 1 lb. .....each **JGE** $1.60

No. 131-E—Strap for above, each .....**JFE** 1.65

COME ALONGS.



No. 126-E—Malleable iron, for No. 6 wire and finer, w't 1 lb., each .....**JDE** $1.20

No. 128-E—Malleable iron, for No. 0 wire and finer, w't 2¼ lbs., each .....**JFJ** $2.50

It grips and holds and is most convenient to handle.

BUFFALO GRIPS.



Without Pulley.

No. 571-E—Extreme opening 0.22 in., for No. 6 wire and finer, w't 3 lbs., each .....**BBJ** $4.25

No. 572-E—Extreme opening 0.35 in., for No. 0 wire and finer, w't 3 lbs., each .....**CEJ** $6.80



With Pulley.

No. 671-E—For rope ⅜ in., w't 3½ lbs., each .....**BFJ** $5.10

No. 672-E—For rope ⅞ in., w't 3½ lbs., each .....**CIJ** $7.65

WIRE PEELERS.



No. 1414-E. No. 1415-E.

No. 1414-E—Perry, plain, each **CF** $0.60

No. 1415-E—P. & G. wire skinner, each .....**JHJ** $1.05

Used for removing the insulation from wire.

LAG SCREW WRENCHES.



No. 214-E—12 in., polished handle, for ½ and ⅝ in. lag screws, w't 1 lb., each .....**JIE** $1.60



No. 326-E—Combination for ⅜, ½ and and ⅝ in. lag screws and bolts, w't ¾ lbs. .....each **AJJ** $2.50

SPLICING WRENCHES.

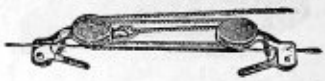


No. 321-E—7 in., steel, full polished, for Nos. 4 and 6 iron wire or 2 and 4 copper wire .....each **AJJ** $1.70

No. 322-E—7 in., steel, full polished, for Nos. 8 and 9 iron wire or 6 and 8 copper wire.....each **AJJ** $1.70

No. 323-E—7 in., steel, full polished, for Nos. 10 and 12 iron wire or 8 and 10 copper wire .....each **AJJ** $1.70

GALVANIZED PULLEY BLOCKS.



No. 350-E—2¼ in., malleable iron galvanized, with eccentric grips, for ⅜ in. rope, without rope, w't per pr. 2 lbs., per pair .....**BDJ** $4.00

Rope extra. State kind, size and length wanted.

ANTI-HUMMS.



No. 1447-E—Galvanized..each **AE** $0.25

Will eliminate the humming noises of telephone lines.

MAGNET WINDERS.



No. 600-E—Complete ..each **CDJ** $7.00

Handy tool in every telephone exchange for rewinding ringer and induction coils.

TELEPHONE CONSTRUCTION MATERIAL.

LINEMEN'S TOOL BAGS.



No. 38-E—18 in., canvas, with leather bottom, steel frames, billets, buckle pieces and handles are of leather, riveted to frames, one inside pocket, w't per doz., 39 lbs., per dozen ..... **BIGJ** $36.00

No. 39-E—20 in., w't per doz. 42 lbs., otherwise same as No. 38-E, per dozen ..... **CBDJ** $37.00

ELECTRICIANS' TOOL BAGS.



No. 42-E—18 in. long, 7 in. wide, 8 in. high, heavy russet grain leather, with shoulder strap and pad connected to bag by plated snaps and rings which can be detached in an instant, two small straps to buckle on side, per dozen ..... **FABJ** $60.00

No. 43-E—20 in. long, 7 in. wide, 9 in. high, otherwise same as No. 42-E, per dozen ..... **FFCJ** $65.00

TOOL BELTS.



No. 350-E—With rings for attaching safety straps, length over all 42 in., width 2¼ in., w't 1½ lbs., each ..... **ADJ** $2.20



No. 353-E—Length over all 42 in., width 2¼ in., with safety straps, 6 ft. x 1¼ in., w't 3½ lbs., each **BGE** $4.50

POLE CLIMBERS.



Eastern Pattern.

No. 1110-E—15	in., per pair	**ADE**	$3.60
No. 1111-E—15½	in., per pair	**ADE**	3.60
No. 1112-E—16	in., per pair	**ADE**	3.60
No. 1113-E—16½	in., per pair	**ADE**	3.60
No. 1114-E—17	in., per pair	**ADE**	3.60
No. 1115-E—17½	in., per pair	**ADE**	3.60
No. 1116-E—18	in., per pair	**ADE**	3.60

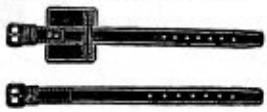
Above climbers are made of best forged steel. Prices do not include straps.

KLEIN'S EASTERN CLIMBERS.

No. 382-E—15	in., per pair	**BDJ**	$4.00
No. 383-E—15½	in., per pair	**BDJ**	4.00
No. 384-E—16	in., per pair	**BDJ**	4.00
No. 385-E—16½	in., per pair	**BDJ**	4.00
No. 386-E—17	in., per pair	**BDJ**	4.00
No. 387-E—17½	in., per pair	**BDJ**	4.00
No. 388-E—18	in., per pair	**BDJ**	4.00

Straps are not included. These have pinched strap holes.

POLE CLIMBER STRAPS.



No. 111-E—For Eastern climbers, w't per set 1 lb. .....per set **JIE** $1.50

A set consists of two upper straps, with 4x4 in. plain leather pads and two lower straps without pads.

MARLIN CABLE HANGERS.



Size.	Length of Loop Inches.	Weight per 1000 Lbs.	Price per 1000
25 pair	9	35	$ 8.60
50 pair	11	37	10.50
75 pair	12	38	11.00
100 pair	14	40	11.75
150 pair	15	42	12.25
200 pair	16	45	12.75

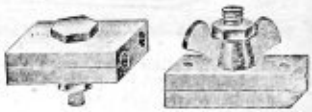
All above sizes equipped with No. 9 hooks and three ply houseline.

No. 6 Regalvanized hooks furnished on this grade at a net advance of 80 cents per thousand.

These hangers are made in accordance to the A. T. & T. Co.'s specification, and we guarantee them to comply with those specifications in every respect.

All sizes are made of three strand Houseline. This Houseline is the best that we are able to obtain from cordage manufacturers. It is made from double dressed American hemp, long line, selected material, thoroughly tarred. The fibers in this material are very long and coarse, giving it the strength and durability found in no other Houseline.

TEST CONNECTORS.



No. 255-E. No. 256-E.

No. 255-E—705-E—Copper, each ..... **JH** $0.24

No. 256-E—706-E—Copper, each ..... **AA** .53

A very strong, durable connector easily adjusted with thumb nut and screw.

WIRE CONNECTORS.



No. 200-E—For Nos. 12 and 14 wire, each ..... **JD** $0.05

ONE HUNDRED IN A STANDARD PACKAGE.



No. 1001-E—Copper, for No. 10 wire, per hundred ..... **BDJ** $4.00

No. 1002-E—Copper, for No. 12 wire, per hundred ..... **BDJ** $4.00

No. 1003-E—Copper, for No. 14 wire, per hundred ..... **BAJ** $3.50

No. 1104-E—Iron, for No. 10 wire, per hundred ..... **BAJ** $3.50

No. 1105-E—Iron, for No. 12 wire, per hundred ..... **BAJ** $3.50

No. 1106-E—Iron, for No. 14 wire, per hundred ..... **BAJ** $3.50

These are made so the strain is longitudinal and not vertical.

ELECTRIC CONSTRUCTION MATERIAL.

ELECTRIC LIGHT CROSS ARMS.★

Write for prices.



Yellow Pine.

Size 3¼x4¼ in., bored for 1½ in. pins, two ½ in. center bolts, and two ⅜ in. brace bolts, painted red.

Nos.	Pins	Length, ft.	Ends, in.	Spacings Center, in.	Sides, in.	W't each	Per Hundred
823-E	2	3	4	28		12	
844-E	4	4	4	16	12	16	
845-E	4	5	4	18	17	20	
866-E	6	6	4	16	12	24	
868-E	6	8	4	18	17½	32	
888-E	8	8	4	16	12	32	
8810-E	8	10	4	17½	15¾	40	
81010-E	10	10	4	16	12	40	

Washington Fir.

Size 3¼x4¼ in., bored for 1½ in. pins, two ½ in. center bolts, and two ⅜ in. brace bolts, unpainted.

Nos.	Pins	Length, ft.	Ends, in.	Spacings Center, in.	Sides, in.	W't each	Per Hundred
1301-E	2	3	4	28		10	
1302-E	4	4	4	16	12	13	
1303-E	4	5	4	18	17	17	
1304-E	6	6	4	16	12	20	
1305-E	6	8	4	18	17½	26	
1306-E	8	8	4	16	12	26	
1307-E	8	10	4	17½	15¾	33	
1308-E	10	10	4	16	12	33	

Special borings to order. Special prices on standard arms of every description.

WOOD PINS.



No. 1148-E—Oak, telephone size, 1¼x8 in., painted, per hundred **JIJ** $1.30

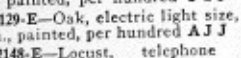
No. 1129-E—Oak, electric light size, 1½x9 in., painted, per hundred **AJJ** $1.50

No. 2148-E—Locust, telephone size, 1¼x8 in., not painted, per hundred .....**AEJ** $2.00

No. 2129-E—Locust, electric light size, 1¼x9 in., not painted, per hundred .....**BJE** $2.50

TWO HUNDRED AND FIFTY IN A SACK.

WOOD BRACKETS.



No. 710-E—Oak, pony telephone size, 1½x2x10 in., painted, per hundred .....**ACJ** $2.00

No. 712-E—Electric light size, 1½x2¼x 12 in., painted, per hundred .....**AEE** $2.00

ONE HUNDRED IN A SACK.

TELEPHONE CROSS ARMS.★

Write for prices.

Yellow Pine.

Size 2¾x3¾ in., bored for 1¼ in. pins, two ½ in. center bolts and two ⅜ in. brace bolts, 28 in. apart, painted red.

Nos.	Pins	Length, ft.	Ends, in.	Spacings Center, in.	Sides, in.	W't each	Per Hundred
224-E	2	24	3	18		6	
230-E	2	30	3	24		7	
442-E	4	42	3	16	10	10	
662-E	6	62	3	16	10	16	
882-E	8	82	3	16	10	21	
10102-E	10	102	3	16	10	25	

Washington Fir.

Size 2¾x3¾ in., bored for 1¼ in. pins, two ½ in. center bolts and two ⅜ in. brace bolts, 28 in. apart, unpainted.

Nos.	Pins	Length, ft.	Ends, in.	Spacings Center, in.	Sides, in.	W't each	Per Hundred
2300-E	2	24	3	18		5	
2301-E	2	30	3	24		6	
2302-E	4	42	3	16	10	9	
2303-E	6	62	3	16	10	13	
2304-E	8	82	3	16	10	17	
2305-E	10	103	3	16	10	21	

Ten and six pin, bored for one ⅝ in. center bolt, shipped without extra charge when so ordered. Special borings to order. Special prices on arms of every description other than as above. Special cross arms of every description made to order.

CROSS ARM BRACES.



Regular Standard.

No. 520-E—Plain, 20x1x⅛ in., per hundred★ .....**BGE** $6.50

No. 522-E—Plain, 22x1x⅛ in., per hundred★ .....**CJJ** $8.60

No. 524-E—Plain, 24x1 7-32x7-32 in., per hundred★ .....**JDCE** $10.70

No. 526-E—Plain, 26x1 7-32x7-32 in., per hundred★ .....**JDGJ** $11.60

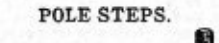
No. 1020-E—Galvanized, 20x1x⅛ in., per hundred★ .....**DHJ** $9.00

No. 1022-E—Galvanized, 22x1x⅛ in., per hundred★ .....**JECJ** $11.50

No. 1024-E—Galvanized, 24x1 7-32x7-32 in.★ .....per hundred **JHCJ** $14.00

No. 1026-E—Galvanized, 26x1 7-32x7-32 in.★ .....per hundred **JHDJ** $15.00

POLE STEPS.

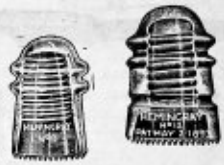


No. 9160-E—Plain, cone pointed, ⅝x9 in.★ .....per hundred **BDJ** $5.40

No. 9165-E—Galvanized, cone pointed, ⅝x9 in.★ ....per hundred **CHJ** $7.20

★*FOR FACTORY SHIPMENT ONLY.*

INSULATORS.

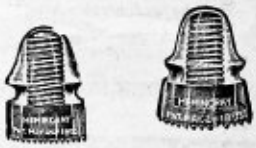


No. 9-E. No. 12-E.

No. 9-E—Glass, telephone, single grove, w't 10 oz., w't per thousand 765 lbs., per thousand .....**BEHJ** $30.00

No. 12-E—Glass, telephone, double groove, w't 10⅔ oz., w't per thousand 770 lbs. ..per thousand **BEHJ** $30.00

FOUR HUNDRED IN A BARREL.



No. 1-E. No. 3-E.

No. 1-E—Standard, deep groove, w't 17 oz., w't per thousand 1200 lbs., per thousand .....**CEDJ** $67.00

No. 3-E—Deep groove, double petticoat, w't 20 oz., w't per thousand 1120 lbs., per thousand .....**DBJJ** $60.00

TWO HUNDRED AND FIFTY IN A BARREL.

WESTERN UNION STEEL PINS.



No. 1222-E—½x9½ in., plain, w't per hundred 60 lbs., per hundred★ .....**DJJ** $9.00

No. 1223-E—⅝x9½ in., plain, w't per hundred 95 lbs., per hundred★ .....**JECJ** $12.00

No. 1224-E—⅝x9½ in., galvanized, w't per hundred 95 lbs., per hundred★ .....**JFJJ** $12.00

No. 1225-E—⅝x9½ in., galvanized, w't per hundred 95 lbs., per hundred★ .....**JHHJ** $16.00

The wooden screw is boiled in paraffine so as to be moisture proof.

TELEPHONE CONSTRUCTION MATERIAL.

SLICK DIGGERS.



No. 125-E—8 ft., wood handle, steel blade, w't per doz. 210 lbs., per dozen .....BGJJ $40.50

DIGGING BARS.



No. 120-E—Round, steel, 1 in. x 8 ft., w't per doz. 216 lbs., per dozen .....AJDJ $32.40

No. 122-E—Octagon, steel, 1⅛ in. x 8 ft., w't per doz. 336 lbs., per dozen .....AECJ $50.40
Will cut roots and break rocks.

CROW AND DIGGING BARS.



No. 144-E—Octagon, steel, 1 in. x 7 ft., w't per doz. 216 lbs., per dozen .....ABJJ $37.80

No. 145-E—Octagon, steel, 1⅛ in. x 8 ft., w't per doz. 336 lbs., per dozen .....AGDE $54.60

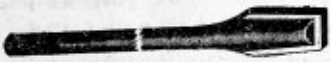
TAMPING AND DIGGING BARS.



No. 140-E—Octagon, steel, 1 in. x 7 ft., w't per doz. 224 lbs., per dozen .....ACDJ $45.00

No. 141-E—Octagon, steel, 1⅛ in. x 8 ft., w't per doz. 360 lbs., per dozen .....AHGJ $63.00

TAMPING BARS.



No. 124-E—8 ft., wood handle, iron shoe, w't per doz. 170 lbs., per dozen .....ADHJ $30.00

POST HOLE SHOVELS.



No. 113-E—7 ft. handle, 9½ in. strap, 9 in. blade, w't per doz. 92 lbs., per dozen .....AEJJ $20.50

No. 112-E—7 ft. handle, 28 in. strap, 9 in. blade, w't per doz. 97 lbs., per dozen .....AFDE $22.50

No. 115-E—8 ft. handle, 9½ in. strap, 9 in. blade, w't per doz. 95 lbs., per dozen .....AFDE $22.50

No. 114-E—8 ft. handle, 28 in. strap, 9 in. blade, w't per doz. 100 lbs., per dozen .....AGIJ $24.50

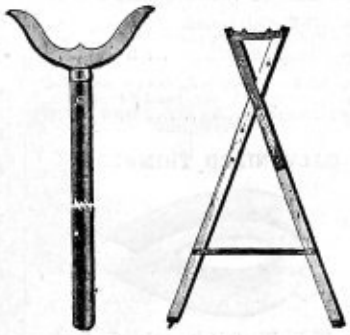
POST HOLE SPOONS.



No. 116-E—7 ft. handle, 28 in. strap, 9 in. blade, w't per doz. 93 lbs., per dozen .....AGEE $24.00

No. 118-E—8 ft. handle, 28 in. strap, 9 in. blade, w't per doz. 96 lbs., per dozen .....AIJJ $26.00

POLE SUPPORTS.



Mule. Jenny.

No. 1176-E—6 ft. mule, selected hickory, heavily ironed and braced, w't 40 lbs., each .....CCE $6.00

No. 1177-E—7½ ft. mule, selected hickory, heavily ironed and braced, w't 47 lbs. .....each CIJ $7.00

No. 1178-E—6 ft. jenny, selected hickory, heavily ironed and braced, w't 33 lbs. .....each DBJ $8.00

No. 1179-E—7½ ft. jenny, selected hickory, heavily ironed and braced, w't 43 lbs. .....each DGE $9.00

RAISING FORKS.



No. 172-E—12 ft. x 1¼ in. handle, wrought steel fork and ferrule, w't per doz. 120 lbs. ..per dozen ADEJ $30.00

No. 173-E—14 ft. x 2¼ in. handle, wrought steel fork and ferrule, w't per doz. 156 lbs...per dozen AEIE $32.00

No. 174-E—16 ft. x 2¼ in. handle, wrought steel fork and ferrule, w't per doz. 190 lbs...per dozen AGJJ $37.00

PIKE POLES.



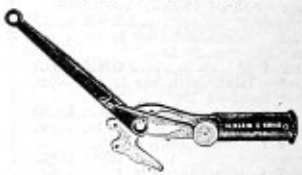
No. 212-E—12 ft.x1¼ in., steel point and ferrule, w't per doz. 114 lbs., per dozen .....JIBJ $24.00

No. 214-E—14 ft. x 1¼ in., steel point and ferrule, w't per doz. 126 lbs., per dozen .....AJBJ $26.00

No. 216-E—16 ft. x 2¼ in. steel point and ferrule, w't per doz. 132 lbs., per dozen .....AADJ $28.00

No. 218-E—18 ft. x 2¼ in. steel point and ferrule, w't per doz. 138 lbs., per dozen .....ABCE $30.00

TREE TRIMMERS.



No. 1394E—Without saw, 19 in. over all ..... each BGJ $4.50

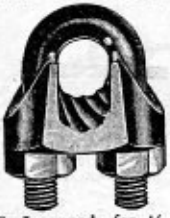


No. 1395E—With saw, 21 in. over all, each .....CAJ $6.00

No. 1393E—12 in. saw for use on either 1394E or 1395E .....each JIJ $1.50

TELEPHONE CONSTRUCTION MATERIAL.

WIRE ROPE CLIPS.



No. 770-E—Japanned, for ¼ in. rope, w't per hundred 17 lbs., per hundred .....JBDJ $11.00
No. 771-E—Japanned, for ⅜ in. rope, w't per hundred 18 lbs., per hundred .....JBDJ $11.00
No. 772-E—Japanned, for ⅜ in. rope, w't per hundred 26 lbs., per hundred .....JBIJ $12.00
No. 773-E—Japanned, for ½ in. rope, w't per hundred 40 lbs., per hundred .....JDBJ $15.00
No. 782-E—Japanned, for ⅝ in. rope, w't per hundred 88 lbs., per hundred .....JEIE $16.50
No. 783-E—Japanned, for ¾ in. rope, w't per hundred 130 lbs., per hundred .....JHJE $17.00
No. 784-E—Japanned, for ⅞ in. rope, w't per hundred 150 lbs., per hundred .....AJAE $18.00
No. 785-E—Japanned, for 1 in. rope, w't per hundred 180 lbs., per hundred .....ABCJ $19.00
No. 786-E—apanned, for 1¼ in. rope, w't per hundred 375 lbs., per hundred .....BDEJ $30.00
No. 774-E—Galvanized, for ¼ in. rope, w't per hundred 19 lbs., per hundred .....JBIJ $15.00
No. 775-E—Galvanized, for ⅜ in. rope, w't per hundred 20 lbs., per hundred .....JBIJ $15.00
No. 776-E—Galvanized, for ⅜ in. rope, w't per hundred 28 lbs., per hundred .....JCHE $16.00
No. 777-E—Galvanized, for ½ in. rope, w't per hundred 44 lbs., per hundred .....JEGE $19.00
No. 780-E—Galvanized, for ⅝ in. rope, w't per hundred 87 lbs., per hundred .....JGHJ $35.00
No. 781-E—Galvanized, for ¾ in. rope, w't per hundred 128 lbs., per hundred .....AAJE $40.00
No. 787-E—Galvanized, for ⅞ in. rope, w't per hundred 150 lbs., per hundred .....ADDJ $42.00
No. 788-E—Galvanized, for 1 in. rope, w't per hundred 180 lbs., per hundred .....AHBE $43.00
No. 789-E—Galvanized, for 1¼ in. rope, w't per hundred 375 lbs., per hundred .....CDEE $45.00

These are drop forged and cannot be broken and are the strongest and most effecive U bolts on the market.

GUY CLAMPS.



No. 2516-E—2 bolt, 3 in. galvanized clamps, for ⅜ in. or smaller strand, w't 1 lb., each AJ $0.13

GUY CLAMPS.



No. 3538-E—3 bolt, 4 in. galvanized clamps, for ⅜ in. or smaller strand, w't 1½ lb.....each AC $0.17

No. 3512-E—3 bolt, 5 in. galvanized clamps, for ⅞ in, or ½ in. strand, w't 2 lbs. .....each AG $0.18

IRON WASHERS.



Square.

No. 519-E—Plain, 2x2x⅛ in., for ⅝in. bolt, w't per hundred 13 lbs., per hundred .....JGJ $1.65

No. 520-E—Plain, 2¼x2¼x⅛ in., for ¾ in. bolt, w't per hundred 25 lbs., per hundred .....AAJ $2.75

No. 525-E—Plain, 4x4x¼ in., for 1 in. bolt, w t per hundred 84 lbs., per hundred .....BFE $9.25

No. 521-E—Galvanized, 2x2x⅛ in., for ⅝ in. bolt, w't per hundred 13 lbs., per hundred .....ABE $1.65

No. 522-E—Galvanized, 2¼x2¼x⅛ in., for ⅝ in. bolt, w't per hundred 25 lbs., per hundred .....BJJ $2.75

No. 526-E—Galvanized, 4x4x¼ in., for 1 in. bolt, w't per hundred 84 lbs., per hundred .....DJJ $9.25

GALVANIZED THIMBLES.



No. 405-E—Diam. ¼ in., galvanized, w't per hundred 3 lbs., per hundred .....BDE $7.00

No. 407-E—Diam. ⅜ in., galvanized, w't per hundred 7½ lbs., per hundred .....CBE $9.00

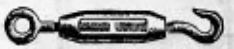
No. 408-E—Diam. ½ in., galvanized, w't per hunderd 14 lbs., per hundred .....JDJE $11.00

No. 409-E—Diam. ⅝ in., w't per hundred 23 lbs. .....per hundred JEJE $13.00

No. 410-E—Diam. ¾ in., w't per hundred 32 lbs. ....per hundred JFEJ $15.00

No. 411-E—Diam. 1 in., w't per hundred 68 lbs. ....per hundred AJAE $30.00

TURNBUCKLES.



Hook and Eye, Drop Forged, Galvanized.

Nos.	9100-E	9101-E	9102-E
Diam. threads, in..	¼	⅜	⅜
Length between heads, in.....	4	4½	4½
Each	$0.40	.45	.50
	CJ	CB	CE

Nos.	9103-E	9104-E	9105-E	9106-E
Diam. of threads, in.	⅞	½	⅝	¾
Lgth between heads, in..	6	6	6	6
Each	$0.66	.78	1.20	2.70
	DE	EE	JFE	JIJ

Hook and Eye, Plain.

Nos.	9107-E	9108-E	9109-E
Diam. threads, in..	¼	⅜	⅜
Length between heads, in.	4	4½	4½
Each	$0.90	.96	1.05
	BC	BD	JBH

Nos.	9110-E	9111-E	9112-E	9113-E
Diam. of threads, in.	⅞	½	⅝	¾
Lgth between heads, in..	6	6	6	6
Each	$1.35	1.50	1.80	2.25
	JCB	JDJ	JEJ	JGJ



Two Eyes, Galvanized.

Nos.	9114-E	9115-E	9116-E
Diam. threads, in..	¼	⅜	⅜
Length between heads, in.	4	4½	4½
Each	$0.40	.45	.50
	CA	CE	CE

Nos.	9117-E	9118-E	9119-E	9120-E
Diam. of threads, in.	⅞	½	⅝	¾
Lgth between heads, in..	6	6	6	6
Each	$0.66	.78	1.20	2.70
	DD	EE	JFJ	JIJ

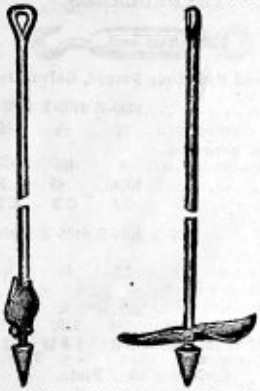
Two Eyes, Plain.

Nos.	9121-E	9122-E	9123-E
Diam. threads, in..	¼	⅜	⅜
Length between heads, in.	4	4½	4½
Each	$0.90	.96	1.05
	BC	BD	JBH

Nos.	9124-E	9125-E	9126-E	9127-E
Diam. of threads, in.	⅞	½	⅝	¾
Lgth between heads, in..	6	6	6	6
Each	$1.35	1.50	1.80	2.25
	JCB	JDJ	JEJ	JGJ

TELEPHONE CONSTRUCTION MATERIAL.

D. & T. GUY ANCHORS.



No. 1E—One 8x2½ in. blade, ¾ in. x4 ft. shaft, w't 8 lbs., each ..... **AJJ** $2.00

No. 2-E—Two 10x2½ in. blades, ⅜ in. x5 ft. shaft, w't 12 lbs., each ..... **AEJ** $2.50

No. 3E—One 12x3½ in. blade, ⅞ in. x 6 ft. shaft, w't 15 lbs., each ..... **AHJ** $3.00

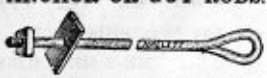
We recommend No. 1 E. D. & T. anchors for strains requiring No. 6 guy wire or ¼ in. single strand, No. 2 E. D. & T. anchors for two No. 6 guy wires twisted or 5/16 in. single strand, No. 3 E. D. & T. anchors for ¾ in. single strand, and for heavier strains two No. 3 E. D. & T. anchors installed separately and driven five feet apart.

The anchor is driven into the ground the desired depth with sledge or maul. The blades are set by twisting to the right three revolutions. The design of the blades, like those of a screw propeller, causes them to spread when the anchor is twisted. The pitch is such that they spread to an angle of ninety degrees with the rod in three revolutions.

The spreading of the blades sinks the anchor about one inch, so that there is absolutely no lost motion in the ground. The pull is on solid earth that has not been disturbed.

The anchor can be set by one man in sixty seconds and will hold more than any other anchor manufactured.

ANCHOR OR GUY RODS.



Plain, Without Washers.

Nos.	41-E	43-E
Size, in.	½x72	⅝x72
W't per hundred, lbs.	340	340
Per hundred	$51.30★ AGBE	71.00★ BCHE

Galvanized, Without Washers.

Nos.	42-E	44-E
Size, in.	½x72	⅝x72
W't per hundred, lbs.	590	590
Per hundred	$51.30★ BIIE	71.00★ DADE

Prices for other sizes on application.

DOUBLE ARMING BOLTS.



Plain, Without Washers.

Nos.	1881E	1885E	1887E
Size	½x12	½x14	½x15 in.
W't per 100, lbs.	86	93	96
Per 100	$12.70★ JDJE	13.74★ JDDJ	14.26★ JDEE

Nos.	1889E	1891E	1893E
Size	½x16	½x17	½x18 in.
W't per 100, lbs.	100	103	107
Per 100	$14.78★ JDGE	17.30★ JDIJ	15.82★ JEJE

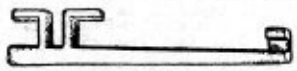
Galvanized, Without Washers.

Nos.	1880E	1884E	1886E
Size	½x12	½x14	½x15 in.
W't per 100, lbs.	86	93	96
Per 100	$12.70★ JGHJ	13.74★ JHFJ	14.26★ JHHJ

Nos.	1888E	1890E	1892E
Size	½x16	½x17	½x18 in.
W't per 100, lbs.	100	93	96
Per 100	$14.78★ JHGE	15.30★ JIDJ	15.82★ JIEJ

Prices for other sizes on application.
Prices include four nuts but no washers.

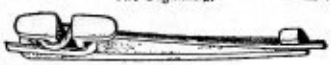
PENN WIRE TIGHTENERS.



The Device.



The Beginning.



The Finish.

No. 888E—Plain, 3½ in. long, w't per hundred 6 lbs., per hundred ..... **BDJ** $6.00

The above cut explains itself. Takes up 10 in. slack and does not crack or injure the wire. To be left on wire.

GROUND RODS.

Plain.

Nos.	615-E	616-E
Size, in.	⅝x60	½x72
W't per 100, lbs.	176	360
Per 100	$25.90★ JHGJ	36.45★ ABJJ

Galvanized.

Nos.	617-E	618-E
Size, in.	⅝x60	½x72
W't per 100, lbs.	176	360
Per 100	$25.90★ ADJJ	36.45★ BABE

Pointed and drilled with ⅛ in. hole at top end.

LINEMEN'S CARTS.



No. 3811-E—Complete with reel, box is 19x34 in. by 10 in. deep, wooden wheels 36 in. in diameter, w't 140 lbs., each ..... **AFFB** $27.00

No. 3812-E—Without reel, w't 100 lbs., each ..... **ABFJ** $20.00

A convenient cart for handling telephone wire.

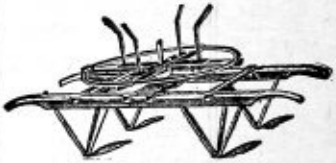
CABLE TROLLEYS.



No. 1870-E—Arrow.....each **AAJ** $2.50

Used for installing heavy telephone cable and will carry any size cable up to four hundred pairs.

COMBINATION PAY-OUT REELS.



No. 136-E—Oak, ironed and bolted, w't 80 lbs. .....each **JHGJ** $16.00

WASSON WIRE REELS.

F. O. B. Clinton, Ill.



No. 4607-IE—Steel reel and cart, complete as shown, has brake to keep wire from unwinding, w't 90 lbs., each ★ ..... **ADEJ** $24.00

Light and strong, used largely by telephone and electric light companies.

KNOCKED DOWN AND WIRED TOGETHER.

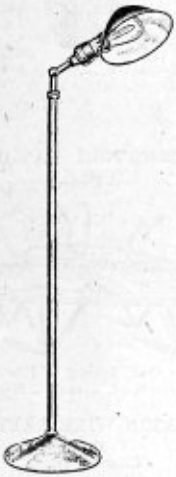
PORTABLE LAMPS.



BADGER, Extension 8 to 14 in., 5½ in. Base of Spun Brass Over Cast Iron, Equipped with Half Green Shade, 8 Ft. Silk Cord and Plug.

No. 310-E—10B—Brush brass, w't 3½ lbs. .....each **BFE** $3.25

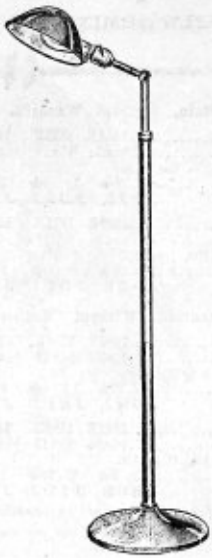
No. 311-E—10C—Oxidized copper, w't 3½ lbs. .....each **BFE** $3.25



BADGER, Adjustable in Height from 2½ to 5 Ft., Diameter of Base 8 in., Base Spun Brass Over Cast Iron, Standard ⅛ in. in Diameter, Complete with 10 Ft. Silk Cord, Separable Attachment Plug and Spun Metal Shade, Finished with Aluminum.

No. 312-E—20B—Brush brass, w't 6 lbs., each .....**CIJ** $5.00

No. 313-E—20C—Oxidized copper, w't 6 lbs. .....each **CIJ** $5.00



BADGER, Adjustable in Height from 3 to 5½ ft., 10 in. Circular Base of Spun Brass Over Cast Iron, Standard ⅛ in. Diam., Complete with 10 ft. Silk Cord, Separable Attachment Plug and Spun Metal Shade Finished Inside with Aluminum.

No. 316-E—2B—Brush brass, w't 9½ lbs., each .....**FFJ** $8.00

No. 317-E—2J—Japanese bronze, w't 9½ lbs. .....each **FFJ** $8.00

BADGER, Adjustable in Height from 3½ to 6½ ft., 10 in. Base of Spun Brass Over Cast Iron, Standard ⅛ in. Diameter, 12 in. Arm, with Ball and Socket Joints, Complete with 10 ft. Silk Cord, Separable Attachment Plug, and Parabola Shade of Spun Metal Finished Outside to Match Portable and Inside with Satin Aluminum.

No. 318-E—3B—Brush brass, w't 9½ lbs., each .....**FFJ** $8.00

No. 319-E—3J—Japanese bronze, w't 9½ lbs. .....each **FFJ** $8.00

These lamps can be used wherever there is an electric light socket. Their usefulness is not confined to any particular spot. They are always ready for service, and when not wanted may be set aside out of the way.

Adjustments are simple—for height, telescopic upright, no thumb screw, can be instantly raised or lowered and set at any desired height; for angle, by raising and lowering lamp arm; for direction of light, by turning shade.



Height 18 in., Adjustable to Any Angle, Complete with Shade, Key Socket, Cord and Plug.

No. 1012-E—Brush brass, w't 7½ lbs., each .....**BAJ** $4.00

No. 1013-E—Oxidized copper, w't 7½ lbs. .....each **BCJ** 4.50



8 in. Standard, Flexible Stem, Complete with Socket, Silk Cord, Plug and Shade.

No. 154-E—Oxidized copper finish, parabola shade, oxidized copper outside, frosted inside, w't 7½ lbs., each .....**CEJ** $4.50

No. 155-E—Brush brass finish, parabola shade, brush brass outside, frosted inside, w't 7½ lbs. ..each **CAJ** $5.00

These portables have 8 in. standard with flexible stem which permits throwing light in any direction, and are especially adapted for desk lamps.



Swinging, Slate Base, Complete with Shade, Key Socket, Cord and Plug.

No. 827-E—Brush brass, w't 11 lbs., each .....**CIJ** $6.00
No. 828-E—Oxidized copper, w't 11 lbs., each .....**CIJ** $7.00

EMERALITE AND MEFCO LAMPS.

EMERALITE TABLE.



No. 659-E—6513—Brush brass, base heavily weighted and bottom covered with felt, height 17 in., diam. of shade 6 in., socket, switch plug and six feet of silk cord, complete with celadon shade,
each .....**JGBJ** $10.00

Ideal for ladies' writing tables and boudoir use and having two adjustable clamps can be used in any position, can also be used as a piano lamp, or hung on the wall as a bed light controlled by switch in base, all wiring concealed. Lamp does not project below shade to cause glare in the eyes, suitable for use with 25 watt tungsten lamps.

ONE IN A BOX.



No. 654-E—4378-C—Brush brass, base 6 in. square, heavily weighted and bottom covered with felt, pull chain sockets, plug and six feet of silk cord, complete with shade,
each .....**AJDE** $14.50

Fitted with two adjustable shades, especially suitable for large double flat top desks or tables, and as the two lights neutralize each other there are no shadows whatsoever, stands 16½ in. high to center of shades and will efficiently illuminate an are of 48 in. wide by 36 in. front of base on each side.

ONE IN A BOX.

"MEFCO" BOUDOIR



In Upright Position.

Shade at Angle as Bed Light or Reading Lamp.



Used as a Bracket Suspended from Screw or Nail in Wall.

No. 660-E—Brush brass, height 17 in., diam. of base 6 in., pull socket, plug holder, six feet of silk cord, complete with shade .....each **DCJ** $6.00

The shade holder is rigidly attached to socket without use of tools, and will fit standard 60 watt carbon, 25 and 40 watt Tungsten or tantalum lamps. The shade is a delicate green tint outside and white inside, has no sharp crevices to collect dust and is so designed as to give maximum distribution without glare.

The base is heavily weighted, insuring stability for any position of shade. Bottom is covered with felt and perforated with holes for hanging on screw or nail in well.

ONE IN A BOX.

PIANO.



No. 655-E—4378-D—Brush brass, with green relief, base 6 in. square, heavily weighted and bottom covered with felt, pull chain socket, plug and six feet of silk cord, complete with shade,
each .....**FEJ** $9.00

This pattern is very substantial in appearance and especially suitable for use with piano or modern low roll top desk.

ONE IN A BOX.



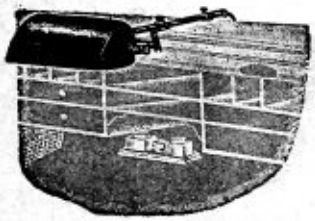
No. 653-E—4378-B—Brush brass, base 6 in. square, heavily weighted and bottom covered with felt, pull chain socket, plug, and six feet of silk cord, complete with shade, shade adjustable to any angle, each **JGBJ** $10.00

Designed especially for flat top desks and tables, the height from table to center of shade is 15 in., and with shade in normal position has an efficient illumination area with ordinary 60 watt lamp 48 in. wide by 36 in. front of base.

ONE IN A BOX.

EMERALITE DESK LAMPS.

Emeralite desk lamps are fitted with a green plated glass shade, having a pure white opal glass reflecting surface inside which will not tarnish and is not affected by heat or atmosphere.



No. 650-E—4378—Brush brass, key socket, plug and six feet of silk cord, complete with shade....each **EGE** $8.50

This fixture is intended for use with high and modern low roll top desks, made with shade elevated above arm so it will not interfere with action of roll top. The clamps are sufficiently long to accommodate desk shelves up to 1¼ in. thick and are lined with felt. The arm and clamps are square so as to prevent rocking and adjustable to any shelf up to 14 in. wide, the shade can be adjusted to any angle.

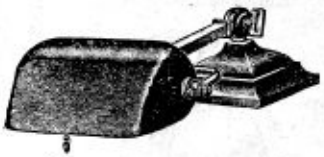
ONE IN A BOX.



No. 651-E—4378-AC—Brush brass, key socket, plug and six feet of silk cord, complete with shade, each **LJE** $7.00

This fixture has a special adjustable clamp at top of base, by means of which the arm can be raised or lowered to any position, thus adapting it for use with modern low roll top desks, without interfering with shade and efficient illumination of table and pigeon holes. Shade and arm are adjustable to any angle.

ONE IN A BOX.



No. 652-E—4378-G—Brush brass, base 6 in. square, heavily weighted and bottom covered with felt, pull chain socket, plug and six feet of silk cord, complete with shade, each **FAJ** $8.50

The adjustable clamps, while similar to that of No. 651-E, *gives greater range of adjustment, (over* 180 *degrees) wired through base.*

ONE IN A BOX.

No 61

H.S.B.&CO REV-O-NOC

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